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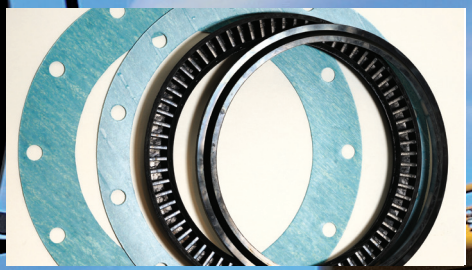










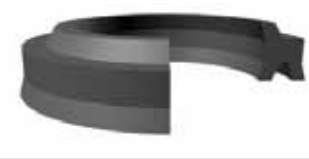
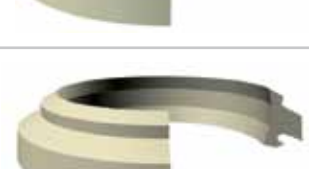




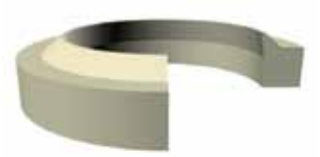
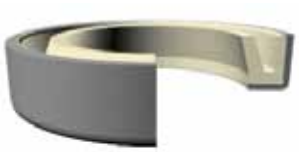
Catalogue de pièces - Seal Catalog

Joints pour systèmes hydrauliques et pneumatiques
Seals for Hydraulic and Pneumatic Systems

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD WIPERS	**AN**	**H**			Polyurethane	A	2
	AN NBR/FPM	**H/P**			Nitrile & FPM	A	4
	AN CAT	**H**			Polyurethane AU 90A	A	5
	AN/DL	**H**			Hytrel 92	A	6
	D	**H**			Polyurethane AU 90A	A	7
	D NBR/FPM	**H/P**			Nitrile & FPM	A	10
	D-CAT	**H**			Polyurethane AU 90A	A	11
	D/DL	**H**			Hytrel 92A	A	13
	H	**H**			Polyurethane AU 90A	A	15
	H NBR/FPM	**H**			Nitrile & FPM	A	16

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD WIPERS	**H-CAT**	**H**			Polyurethane AU 90A	A	17
	K	**H**			Polyurethane AU 90A	A	18
	K NBR/FPM	**H/P**			Nitrile & FPM	A	20
	K-CAT	**H**			Polyurethane AU 90A	A	20
	RCI	**H**			Polyurethane AU 90A	A	21
	RHYC	**H**			Polyurethane AU 90A	A	22
	RHYS	**H**			Polyurethane AU 90A	A	23
	RPG	**H**			Polyurethane AU 90A	A	23
	RPC	**H**			Polyurethane AU 90A	A	24
	RTRA	**H**			Polyurethane AU 90A	A	24

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD WIPERS	**RWAR**	**H**			Polyurethane AU 90A	A	25
	WY	**H**			Nylon	A	25
	D & K Wiper Cord	**H/P**			Nitrile NBR 85A	A	26
	EX1	**H**			40% BR.PTFE/ Nitrile	A	27
	EX2	**H**			40% BR.PTFE/ Nitrile	A	29
	EX5	**H**			40% BR.PTFE/ Nitrile	A	32
	BW/S	**H**			Brass / Nitrile	A	33
	J	**H**			Polyurethane / Steel	A	35
	J-CAT	**H**			Polyurethane / Steel	A	39
	J/N	**H/P**			Nitrile / Steel	A	41

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD WIPERS	**J/N-CAT**	**H**			Nitrile / Steel	A	43
	J/DL	**H**			Polyurethane / Steel	A	44
	J/DL-CAT	**H**			Polyurethane / Steel	A	45
INCH SIZE ROD SEALS	**UR**	**H**			Polyurethane AU 92A	B	2
	UR/HD	**H**			Polyurethane AU 92A	B	3
	UR-CAT	**H**			Polyurethane AU 92A	B	9
	E5	**H**			Nitrile NBR 85A	B	10
	BS/HD	**H**			Polyurethane AU 92A	B	11
	BS/3L	**H**			Polyurethane AU 92A	B	13
	BS/SL	**H/P**			Nitrile NBR 80A FPM 90A	B	14

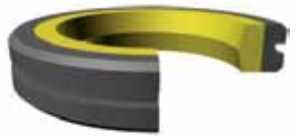
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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD SEALS	**RE**	**H**			Polyurethane / Nitrile / Polyacetal	B	14
	Rod Seals BT & BR PROFILES					B	16
	BT	**H**			Polyurethane AU 90A	B	17
	BR	**H**			Polyurethane AU 90A / Polyacetal	B	20
	HBY	**H**			Polyurethane AU 94A / Polyacetal	B	21
	HBY-CAT	**H**			Polyurethane AU 94A Polyacetal	B	22
	CAT Seal Ring	**H**			Polyurethane AU 92A	B	23
	CAT Step Seal	**H**			40% BR.PTFE / Nitrile	B	25
	RSS	**H**			40% BR.PTFE / Nitrile	B	26
	R2B	**H**			40% BR.PTFE / Nitrile	B	31

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD SEALS	**TR**	**H/P**			Nitrile / Nylon	B	33
	Pneumatic Cushion Seals					B	35
	V6	**H/P**			- Polyurethane AU 90A - Nitrile NBR 80A - FPM 90	B	36 36 37
INCH SIZE ROD & PISTON SEALS	**Parker Polypak Seals**					C	2
	Standard Polypak	**H**			Molythane / Nitrile	C	4
	Deep Polypak	**H**			Molythane / Nitrile	C	12
	Type B Polypak	**H**			Molythane / Nitrile	C	18
	Modular Backup	**H**			Molythane	C	25
	US	**H**			Polyurethane AU 92A	C	28
	US/HD	**H**			Polyurethane AU 92A	C	31

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE ROD & PISTON SEALS	**AN6226**	**H/P**			Nitrile NBR 80A FPM 90A	C	37
	8400	**H/P**			Nitrile NBR 80A FPM 90A	C	39
	FU	**H**			Duck / Nitrile Duck / FPM	C	42
	HU	**H/P**			Nitrile NBR 80A FPM 90A	C	45
INCH SIZE PISTON SEALS	**UP**	**H**			Polyurethane AU 92A	D	2
	UP/HD	**H**			Polyurethane AU 92A	D	4
	E4	**H/P**			Nitroxile 83A	D	8
	CB	**H/P**			Nitrile / Steel	D	9
	CF	**H**			Neo-Fabric	D	10
	ECF	**H**			Neo-Fabric	D	13

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE PISTON SEALS	**CH**	**H/P**			Nitrile NBR 80/90A	D	14
	CS	**H**			Polyurethane AU 90A	D	16
	CT	**H/P**			Polyurethane AU 90A	D	18
	TP	**H/P**			Nitrile / Nylon	D	20
	TP-1	**H/P**			Nitrile / Nylon	D	22
	TP-2	**H/P**			Nitrile / Nylon	D	22
	UNIRING	**H**			Polyurethane AU 57A/60D	D	23
	PSP	**H**			Polyurethane / Nitrile	D	25
	PSP-A	**H**			Polyurethane / Nitrile	D	26
	PSP-AT	**H**			Polyurethane / Nitrile	D	28

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE PISTON SEALS	**BP Profile**					D	29
	BP	**H**			Polyurethane / Nitrile	D	30
	PIP SEAL	**H**			Molythane / Nitrile	D	32
	PIP RING	**H**			Molythane AU 65D	D	36
	TFES	**H**			GF.PTFE	D	37
	CAT TYPE-2	**H**			PTFE / Nitrile	D	39
	160G	**H**			GF.PTFE / Nitrile	D	40
	169B	**H**			BF.PTFE / Nitrile	D	41
	169G	**H**			GF.PTFE / Nitrile	D	42
	169U	**H**			Polyester / Nitrile	D	43

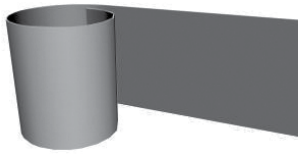
Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE PISTON SEALS	**CAT TYPE-1**	**H**			GF.M.PTFE / Nitrile	D	45
	AQ	**H**			BR.PTFE / Nitrile	D	46
	C914	**H**			Nylon / Nitrile	D	48
	CAT TYPE-3	**H**			Nylon / Nitrile	D	49
	ZG	**H**			Nylon / Nitrile	D	52
	CTS	**H**			GF/M.PTFE / Nylon / Nitrile	D	53
	CAT TYPE-4	**H**			GF/M.PTFE / Nylon / Nitrile	D	55
	RJD	**H**			GF/M.PTFE / Nylon / Nitrile	D	55
	P1000	**H**			Cast Iron	D	56
	P1000 Parker	**H**			Cast Iron	D	60

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE PISTON SEALS	**P1000 Hyco**	**H**			Cast Iron	D	61
	P1000 C. Intertech	**H**			Cast Iron	D	62
	P1000 Ward	**H**			Cast Iron	D	62
	P3B	**H**			Neofab / Polyamide	D	63
	P3C	**H**			Neofab / Polyamide	D	64
	P3D	**H**			Nitrile / Polyamide	D	66
	P5B	**H**			Nitrile / Polyamide / Polyester	D	67
INCH SIZE VEE PACKINGS	**Standard Vee Packings**	**H**			Neofab / Nitrile / Hytrel / Nylon	E	2
	Standard Vee Sets	**H**			Nylon / Hytrel / Neofab	E	9
	HC Vee Set	**H**			Hytrel / Nylon	E	10

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE VEE PACKINGS	**Guidelocks**	**H**			Nylon	E	11
	Vee Coil	**H**			Neofab	E	12
	WV	**H**			Neofab / Nitrile	E	13
INCH SIZE GUIDING ELEMENTS	**W1, W2, W3, W4, WR**	**H**			Nylon, Glass Reinforced	F	2
	CAT P.WR	**H**			Nylon, Glass Reinforced	F	12
	CAT R.WR	**H**			Nylon, Glass Reinforced	F	15
	TWR	**H**			GR. Nylon, Glass Reinforced	F	16
	WS-BR60	**H/P**			60% BR.PTFE	F	17
	Bearings F/ Telescopic Cylinders	**H**			Nylon, Glass Reinforced	F	18
	CAT bearing	**H**			BR.PTFE / Steel	F	20

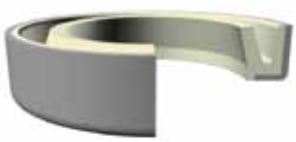
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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE GUIDING ELEMENTS	**DU Bearing**	**H**			Reference Table BR.PTFE / Steel	F	22 24
	DU Flat Strip	**H**			BR.PTFE / Steel	F	27
	DU Flanged Bearing	**H**			BR.PTFE / Steel	F	28
	DU Thrust Washer Bearing	**H**			BR.PTFE / Steel	F	29
	SBB/Z	**H**			Steel (w/o Seals)	F	30
	SBB-2RS/Z	**H**			Steel (with Seals)	F	31
INCH SIZE O'RINGS	**Material Selection**					G	2 to 12
	2-XXX	**H/P**			All Compounds	G	14
	3-XXX	**H/P**			All Compounds	G	32
	Parker Accessories					G	34

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE O'RINGS	**O'ring Kits and Accessories**					G	36
	O'RING Cord	**H/P**			All Compounds	G	40
	Vulcanized O'Ring	**H/P**			- Nitrile NBR 70A - Fluorocarbon FPM 75A - Silicone SI 70A - EPDM 80A	G	41 42 42 43
	Back-Up Rings					G	44
	8-XXX	**H/P**			All Compounds	G	48
	8700	**H/P**			Polymite & V.PTFE	G	53
	Bonded Seal Typical Application and Reference Chart					G	55
	BS400	**H/P**			Carbon Steel / NBR	G	58
	BS400SC	**H/P**			Carbon Steel / NBR	G	58
	600	**H/P**			Cadmium Plated Steel / NBR	G	59

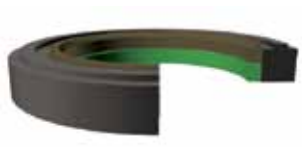
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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
INCH SIZE O'RINGS	**7500**	**H/P**			Steel / NBR	G	60
MISCELLANEOUS ACCESSORIES	**Caps & Plugs for Hydraulic Applications**					H	2
	Hernon Adhesives and Sealants					H	8
	Lock Nuts	**H**			with Nylon Insert	H	18
	Retaining Rings Internal, External and Spiral				Carbon Steel	H	19
METRIC SIZE ROD WIPERS	**WA**	**H/P**			• Nitrile NBR 90A • Polyurethane AU 90A	I	2
	WB	**H/P**			• Nitrile NBR 90A • Polyurethane AU 90A	I	5
	WC	**H/P**			• Nitrile NBR 90A • Polyurethane AU 90A	I	7
	WF	**H**			Polyurethane AU 94A	I	13
	WG	**H**			Polyurethane AU 92A	I	15

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE ROD WIPERS	**WH**	**H**			Nylon	I	16
	WJ	**H**			Nitrile NBR 90A	I	17
	WM	**H**			Nitrile NBR 92A	I	19
	WN	**H/P**			Nitrile /Steel	I	21
	WO	**H**			Polyurethane / Steel	I	25
	WO-CAT	**H**			Polyurethane / Steel	I	30
	WR	**H**			Polyurethane / Steel / Nitrile / Steel	I	30
	WS	**H**			Polyurethane / Steel	I	32
	WS-CAT	**H**			Polyurethane / Steel	I	35
	WT	**H**			Polyurethane / Steel / Nitrile / Steel	I	36

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE ROD WIPERS	**WU**	**H**			Nitrile / Brass / Steel	I	39
	WV	**H**			40% BR.PTFE / Nitrile	I	40
	WW	**H**			40% BR.PTFE / NBR Polyurethane / NBR	I	42
METRIC SIZE ROD SEALS	**RA**	**H**			Polyurethane AU 94A	J	2
	RA-CAT	**H**			Polyurethane AU 94A	J	10
	SD/N, ST/N SD/T, ST/T	**H**			/N - Nylon /T - BR.PTFE	J	11
	RA/N	**H/P**			Nitrile NBR 85A	J	14
	RC	**H**			Polyurethane AU 93A	J	19
	RE	**H**			Polyurethane / Nitrile / Polyacetal	J	28
	RV	**H**			Nitrile / Neofab Polyacetal	J	29

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE ROD SEALS	**RH-1**	**H**			Polyurethane AU 94A / Polyacetal	J	32
	RH-CAT	**H**			Polyurethane AU 94A / Polyacetal	J	33
	RZ	**H**			40% BR.PTFE / Nitrile	J	34
	R12	**H**			Nylon / PTFE / NBR	J	37
	R14	**H**			Nylon / PTFE / NBR	J	38
	RX	**H**			40% BR.PTFE / Nitrile	J	39
	R16	**H**			40% BR.PTFE / Nitrile	J	42
	R5 Cushion Seals					J	45
	R5	**P**			Nitrile NBR 89A	J	46
	R6 Cushion Seals					J	47

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE ROD SEALS	**R6**	**P**			Nitrile NBR 77A	J	48
	R19	**H**			Polyurethane AU 94A	J	49
METRIC SIZE ROD/PISTON SEALS	**A**	**H**			Polyurethane AU 92A	K	2
	A/N	**H/P**			Nitrile NBR 90A	K	14
	B	**H**			Molythane / Nitrile	K	28
METRIC SIZE PISTON SEALS	**PB**	**H**			Polyurethane AU 92A	L	2
	PB/N	**H/P**			Nitrile NBR 85A	L	9
	PH	**H**			Nitrile / Nylon	L	15
	PR	**H**			Nitrile / Neofab / Polyamide	L	16
	KR	**H**			Polyacetal	L	17

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE PISTON SEALS	**PZ/B**	**H**			Bronze	L	18
	P1B	**H/P**			Nitrile / Steel	L	18
	P1B/1	**H**			Nitrile / Steel / S.Steel	L	20
	P2B	**H**			40% BR.PTFE / Nitrile	L	21
	ST/N	**H**			Nylon	L	24
	P2G	**H**			Nylon / Nitrile	L	25
	CAT Type-3	**H**			Nylon / Nitrile	L	26
	P3C	**H**			Neofab / Polyamide	L	27
	P4A	**H**			BR.PTFE / Nitrile / Nylon	L	28
	CAT Type-4	**H**			BR.PTFE / Nitrile / Nylon	L	30

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE PISTON SEALS	**P5B**	**H**			Nitrile / Polyamide / Polyester	L	30
	P5B-1	**H**			Nitrile / Polyamide / Polyester	L	35
METRIC SIZE VEE PACKINGS	**V1**	**H**			Neofab / Polyamide / Nitrile	M	2
	V3	**H**			Neofab / Polyamide / Nitrile	M	3
METRIC SIZE GUIDING ELEMENTS	**GB**	**H**			BR.PTFE	N	2
	GB/N	**H**			GF.Nylon	N	4
	WR Groove Formula					N	9
	GC	**H**			Phenolic	N	10
	CAT P.WR	**H**			Nylon	N	27
	CAT R.WR	**H**			Nylon	N	29

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
METRIC SIZE GUIDING ELEMENTS	**WS-BR60**	**H/P**			60% BR.PTFE	N	29
	WS-CG	**H/P**			Carbon / Graphite	N	30
	DU Bearings	**H**			BR.PTFE / Steel	N	31
	DU Flanged Bearing	**H**			BR.PTFE / Steel	N	41
	GE	**H**			Nylon	N	42
	GE-ES2RS/Z	**H**			Steel	N	43
	GE-GS2RS/Z	**H**			Steel	N	44
METRIC SIZE O'RINGS	**O'Ring Installation Dimensions**					O	2
	Metric O'Rings	**H/P**			NBR 70, NBR 90A, FPM 80A	O	9
	Japanese Industrial Standard O'Ring					O	80

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Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
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	Quad Ring	**H/P**			Nitrile NBR 70A	O	84
	OV	**H/P**			Polyurethane AU 93A	O	86
	O'Ring Cord	**H/P**			Nitrile NBR 70A & FPM 75A	O	86
	Vulcanized O'Ring	**H/P**			Nitrile NBR 70A & FPM 75A	O	87
	O'Ring Kits and Accessories					O	89
	SD/T	**H/P**			V.PTFE	O	90
	SD/U	**H/P**			Polyurethane AU 95A	O	92
	Usit Rings	**H/P**			Carbon Steel / Nitrile Carbon Steel / FPM	O	94
	Usit Rings Self Centering	**H/P**			Carbon Steel / Nitrile Carbon Steel / FPM	O	95

Section	Series	Hydraulic Pneumatic	Product Image	Profile	Material	Page	
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	Custom Seal Manufacturing Services					Tech	3
	Profile Chart for Seal Manufacturing					Tech	4
	Compound Selection Guide					Tech	5
	Alphabetical Index					Alpha	1

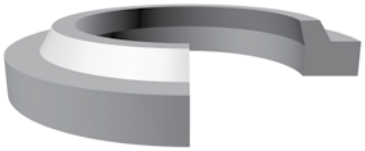
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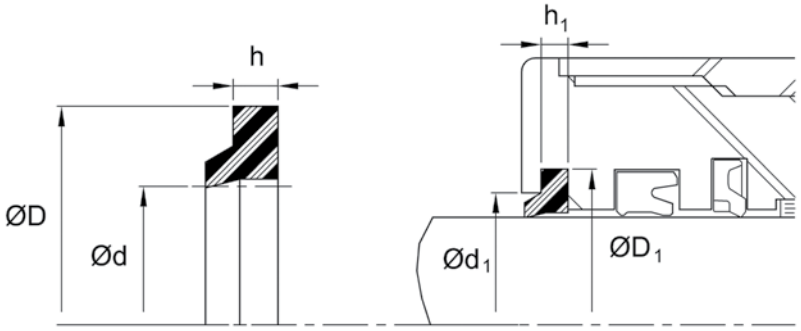
	AN	A	2
	AN NBR/FPM	A	4
	AN-CAT	A	5
	AN/DL	A	6
	D	A	7
	D NBR/FPM	A	10
	D-CAT	A	11
	D/DL	A	13
	H	A	15
	H NBR/FPM	A	16
	H-CAT	A	17
	K	A	18
	K NBR/FPM	A	20
	K-CAT	A	20
	RCI	A	21
	RHYC	A	22
	RHYS	A	23
	RPG	A	23
	RPC	A	24
	RTRA	A	24
	RWAR	A	25
	WY	A	25
	D & K WIPER CORD	A	26
	EX1	A	27
	EX2	A	29
	EX5	A	32
	BW/S	A	33

	J	A	35
	J-CAT	A	39
	J/N	A	41
	J/N-CAT	A	43
	J/DL	A	44
	J/DL-CAT	A	45

AN - Rod Wipers

Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
AN-01	0.500	+.000 / -.002	0.500	0.766	0.104	0.647	+.005 / -.000	0.760	+.004 / -.000	0.107	+.003 / -.003	1.00
AN-02	0.562	+.000 / -.002	0.562	0.829	0.104	0.710	+.005 / -.000	0.823	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-03	0.625	+.000 / -.002	0.625	0.891	0.104	0.772	+.005 / -.000	0.885	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-04	0.687	+.000 / -.002	0.687	0.954	0.104	0.834	+.005 / -.000	0.948	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-05	0.750	+.000 / -.002	0.750	1.016	0.104	0.897	+.005 / -.000	1.010	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-06	0.812	+.000 / -.002	0.812	1.090	0.104	0.960	+.005 / -.000	1.084	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-07	0.875	+.000 / -.002	0.875	1.153	0.104	1.023	+.005 / -.000	1.147	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-08	0.937	+.000 / -.002	0.937	1.215	0.104	1.085	+.005 / -.000	1.209	+.004 / -.000	0.107	+.003 / -.003	2.95
AN-09	1.000	+.000 / -.002	1.000	1.278	0.104	1.148	+.005 / -.000	1.272	+.004 / -.000	0.107	+.003 / -.003	1.10
AN-10	1.062	+.000 / -.002	1.062	1.340	0.104	1.210	+.005 / -.000	1.334	+.004 / -.000	0.107	+.003 / -.003	3.00
AN-11	1.125	+.000 / -.002	1.125	1.403	0.104	1.273	+.005 / -.000	1.397	+.004 / -.000	0.107	+.003 / -.003	1.20
AN-12	1.187	+.000 / -.002	1.187	1.465	0.104	1.335	+.005 / -.000	1.459	+.004 / -.000	0.107	+.003 / -.003	1.25
AN-13	1.250	+.000 / -.002	1.250	1.528	0.104	1.398	+.005 / -.000	1.522	+.004 / -.000	0.107	+.003 / -.003	1.25
AN-14	1.312	+.000 / -.002	1.312	1.622	0.104	1.480	+.005 / -.000	1.614	+.004 / -.000	0.107	+.003 / -.003	1.60
AN-15	1.375	+.000 / -.002	1.375	1.685	0.104	1.542	+.005 / -.000	1.677	+.004 / -.000	0.107	+.003 / -.003	1.60
AN-16	1.437	+.000 / -.002	1.437	1.747	0.104	1.605	+.005 / -.000	1.739	+.004 / -.000	0.107	+.003 / -.003	1.75
AN-17	1.500	+.000 / -.002	1.500	1.810	0.104	1.668	+.005 / -.000	1.802	+.004 / -.000	0.107	+.003 / -.003	1.75
AN-M	1.562	+.000 / -.002	1.562	1.872	0.104	1.730	+.005 / -.000	1.864	+.004 / -.000	0.107	+.003 / -.003	7.75
AN-18	1.625	+.000 / -.002	1.625	1.935	0.104	1.793	+.005 / -.000	1.927	+.004 / -.000	0.107	+.003 / -.003	1.90
AN-19	1.750	+.000 / -.002	1.750	2.060	0.104	1.918	+.005 / -.000	2.052	+.004 / -.000	0.107	+.003 / -.003	1.95
AN-A	1.812	+.000 / -.002	1.812	2.123	0.104	1.981	+.005 / -.000	2.115	+.004 / -.000	0.107	+.003 / -.003	1.95
AN-20	1.875	+.000 / -.002	1.875	2.185	0.104	2.043	+.005 / -.000	2.177	+.004 / -.000	0.107	+.003 / -.003	1.95
AN-21	2.000	+.000 / -.002	2.000	2.310	0.104	2.178	+.005 / -.000	2.302	+.004 / -.000	0.107	+.003 / -.003	1.95
AN-B	2.062	+.000 / -.002	2.062	2.373	0.104	2.241	+.005 / -.000	2.365	+.004 / -.000	0.107	+.003 / -.003	8.05
AN-22	2.125	+.000 / -.002	2.125	2.435	0.104	2.303	+.005 / -.000	2.427	+.004 / -.000	0.107	+.003 / -.003	2.20
AN-23	2.250	+.000 / -.002	2.250	2.560	0.104	2.428	+.005 / -.000	2.552	+.004 / -.000	0.107	+.003 / -.003	2.20
AN-C	2.312	+.000 / -.002	2.312	2.622	0.104	2.490	+.005 / -.000	2.614	+.004 / -.000	0.107	+.003 / -.003	2.35
AN-24	2.375	+.000 / -.002	2.375	2.685	0.104	2.553	+.005 / -.000	2.677	+.004 / -.000	0.107	+.003 / -.003	2.40
AN-CC	2.437	+.000 / -.002	2.437	2.748	0.104	2.616	+.005 / -.000	2.740	+.004 / -.000	0.107	+.003 / -.003	8.45
AN-25	2.500	+.000 / -.002	2.500	2.810	0.104	2.678	+.005 / -.000	2.802	+.004 / -.000	0.107	+.003 / -.003	2.50
AN-D	2.562	+.000 / -.002	2.562	2.873	0.104	2.741	+.005 / -.000	2.865	+.004 / -.000	0.107	+.003 / -.003	9.10
AN-26	2.625	+.000 / -.002	2.625	2.999	0.119	2.834	+.005 / -.000	2.989	+.004 / -.000	0.122	+.003 / -.003	2.75
AN-27	2.750	+.000 / -.002	2.750	3.124	0.119	2.959	+.005 / -.000	3.114	+.004 / -.000	0.122	+.003 / -.003	2.80
AN-28	2.875	+.000 / -.002	2.875	3.249	0.119	3.084	+.005 / -.000	3.239	+.004 / -.000	0.122	+.003 / -.003	2.80
AN-29	3.000	+.000 / -.002	3.000	3.374	0.119	3.209	+.005 / -.000	3.364	+.004 / -.000	0.122	+.003 / -.003	3.00
AN-30	3.125	+.000 / -.002	3.125	3.499	0.119	3.334	+.005 / -.000	3.489	+.004 / -.000	0.122	+.003 / -.003	3.50
AN-31	3.250	+.000 / -.002	3.250	3.624	0.119	3.459	+.005 / -.000	3.614	+.004 / -.000	0.122	+.003 / -.003	3.55
AN-32	3.375	+.000 / -.002	3.375	3.749	0.119	3.584	+.005 / -.000	3.739	+.004 / -.000	0.122	+.003 / -.003	4.05

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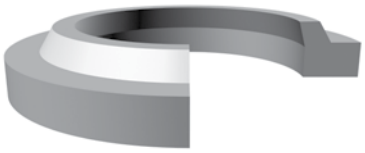
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
AN-33	3.500	+.000 / -.002	3.500	3.874	0.119	3.709	+.005 / -.000	3.864	+.004 / -.000	0.122	+.003 / -.003	4.25
AN-34	3.625	+.000 / -.002	3.625	3.999	0.119	3.834	+.005 / -.000	3.989	+.004 / -.000	0.122	+.003 / -.003	4.50
AN-35	3.750	+.000 / -.002	3.750	4.124	0.119	3.959	+.005 / -.000	4.114	+.004 / -.000	0.122	+.003 / -.003	4.70
AN-36	3.875	+.000 / -.002	3.875	4.249	0.119	4.084	+.005 / -.000	4.239	+.004 / -.000	0.122	+.003 / -.003	4.70
AN-37	4.000	+.000 / -.002	4.000	4.439	0.135	4.240	+.005 / -.000	4.427	+.004 / -.000	0.138	+.003 / -.003	4.75
AN-38	4.125	+.000 / -.002	4.125	4.564	0.135	4.365	+.005 / -.000	4.552	+.004 / -.000	0.138	+.003 / -.003	4.75
AN-39	4.250	+.000 / -.002	4.250	4.689	0.135	4.490	+.005 / -.000	4.677	+.004 / -.000	0.138	+.003 / -.003	4.75
AN-40	4.375	+.000 / -.003	4.375	4.814	0.135	4.615	+.005 / -.000	4.802	+.005 / -.000	0.138	+.003 / -.003	5.15
AN-41	4.500	+.000 / -.003	4.500	4.939	0.135	4.740	+.005 / -.000	4.927	+.005 / -.000	0.138	+.003 / -.003	5.15
AN-42	4.625	+.000 / -.003	4.625	5.064	0.135	4.865	+.005 / -.000	5.052	+.005 / -.000	0.138	+.003 / -.003	5.15
AN-43	4.750	+.000 / -.003	4.750	5.189	0.135	4.990	+.005 / -.000	5.177	+.005 / -.000	0.138	+.003 / -.003	5.25
AN-44	4.875	+.000 / -.003	4.875	5.314	0.135	5.115	+.005 / -.000	5.302	+.005 / -.000	0.138	+.003 / -.003	5.25
AN-45	5.000	+.000 / -.003	5.000	5.439	0.135	5.240	+.005 / -.000	5.427	+.005 / -.000	0.138	+.003 / -.003	5.25
AN-46	5.125	+.000 / -.003	5.125	5.564	0.135	5.365	+.005 / -.000	5.552	+.005 / -.000	0.138	+.003 / -.003	5.30
AN-47	5.250	+.000 / -.003	5.250	5.689	0.135	5.490	+.005 / -.000	5.677	+.005 / -.000	0.138	+.003 / -.003	5.45
AN-48	5.375	+.000 / -.003	5.375	5.814	0.135	5.615	+.005 / -.000	5.802	+.005 / -.000	0.138	+.003 / -.003	5.50
AN-49	5.500	+.000 / -.003	5.500	5.939	0.135	5.740	+.005 / -.000	5.927	+.005 / -.000	0.138	+.003 / -.003	5.55
AN-50	5.625	+.000 / -.003	5.625	6.128	0.151	5.896	+.005 / -.000	6.114	+.005 / -.000	0.154	+.003 / -.003	5.60
AN-51	5.750	+.000 / -.003	5.750	6.254	0.151	6.022	+.005 / -.000	6.239	+.005 / -.000	0.154	+.003 / -.003	5.60
AN-52	5.875	+.000 / -.003	5.875	6.379	0.151	6.146	+.005 / -.000	6.364	+.005 / -.000	0.154	+.003 / -.003	6.10
AN-53	6.000	+.000 / -.003	6.000	6.504	0.151	6.272	+.005 / -.000	6.489	+.005 / -.000	0.154	+.003 / -.003	6.10
AN-54	6.250	+.000 / -.003	6.250	6.754	0.151	6.522	+.005 / -.000	6.739	+.005 / -.000	0.154	+.003 / -.003	6.50
AN-55	6.500	+.000 / -.003	6.500	7.004	0.151	6.772	+.005 / -.000	6.989	+.005 / -.000	0.154	+.003 / -.003	6.75
AN-56	6.750	+.000 / -.003	6.750	7.254	0.151	7.022	+.005 / -.000	7.239	+.005 / -.000	0.154	+.003 / -.003	7.00
AN-57	7.000	+.000 / -.003	7.000	7.504	0.151	7.272	+.005 / -.000	7.489	+.005 / -.000	0.154	+.003 / -.003	7.25
AN-58	7.250	+.000 / -.003	7.250	7.754	0.151	7.522	+.005 / -.000	7.739	+.005 / -.000	0.154	+.003 / -.003	15.70
AN-L	7.375	+.000 / -.003	7.375	7.879	0.151	7.647	+.005 / -.000	7.864	+.005 / -.000	0.154	+.003 / -.003	33.45
AN-59	7.500	+.000 / -.003	7.500	8.004	0.151	7.772	+.005 / -.000	7.989	+.005 / -.000	0.154	+.003 / -.003	8.60
AN-60	7.750	+.000 / -.003	7.750	8.254	0.151	8.022	+.005 / -.000	8.239	+.005 / -.000	0.154	+.003 / -.003	10.20
AN-61	8.000	+.000 / -.003	8.000	8.504	0.151	8.272	+.005 / -.000	8.489	+.005 / -.000	0.154	+.003 / -.003	15.75
AN-DD	8.125	+.000 / -.003	8.125	8.629	0.151	8.397	+.005 / -.000	8.614	+.005 / -.000	0.154	+.003 / -.003	35.10
AN-61.5	8.250	+.000 / -.003	8.250	8.754	0.151	8.522	+.005 / -.000	8.739	+.005 / -.000	0.154	+.003 / -.003	16.40
AN-62	8.500	+.000 / -.003	8.500	9.004	0.151	8.772	+.005 / -.000	8.989	+.005 / -.000	0.154	+.003 / -.003	16.55
AN-63	9.000	+.000 / -.003	9.000	9.504	0.151	9.272	+.005 / -.000	9.489	+.005 / -.000	0.154	+.003 / -.003	16.75
AN-E	9.250	+.000 / -.003	9.250	9.754	0.151	9.522	+.005 / -.000	9.739	+.005 / -.000	0.154	+.003 / -.003	16.90
AN-64	9.500	+.000 / -.003	9.500	10.004	0.151	9.772	+.005 / -.000	9.989	+.005 / -.000	0.154	+.003 / -.003	16.95
AN-65	10.000	+.000 / -.003	10.000	10.504	0.151	10.272	+.005 / -.000	10.489	+.005 / -.000	0.154	+.003 / -.003	16.95
AN-66	10.500	+.000 / -.003	10.500	11.004	0.151	10.772	+.005 / -.000	10.989	+.005 / -.000	0.154	+.003 / -.003	18.40
AN-F	10.750	+.000 / -.003	10.750	11.254	0.151	11.022	+.005 / -.000	11.239	+.005 / -.000	0.154	+.003 / -.003	48.60
AN-67	11.000	+.000 / -.003	11.000	11.504	0.151	11.272	+.005 / -.000	11.489	+.005 / -.000	0.154	+.003 / -.003	36.25
AN-FF	11.250	+.000 / -.003	11.250	11.759	0.166	11.522	+.005 / -.000	11.739	+.005 / -.000	0.169	+.003 / -.003	36.75
AN-68	11.500	+.000 / -.003	11.500	12.009	0.166	11.772	+.005 / -.000	11.989	+.005 / -.000	0.169	+.003 / -.003	52.85
AN-69	12.000	+.000 / -.003	12.000	12.509	0.166	12.272	+.005 / -.000	12.489	+.005 / -.000	0.169	+.003 / -.003	43.65
AN-G	12.750	+.000 / -.003	12.750	13.259	0.166	13.022	+.005 / -.000	13.239	+.005 / -.000	0.169	+.003 / -.003	63.90
AN-K	13.750	+.000 / -.003	13.750	14.259	0.166	14.022	+.005 / -.000	14.239	+.005 / -.000	0.169	+.003 / -.003	71.75

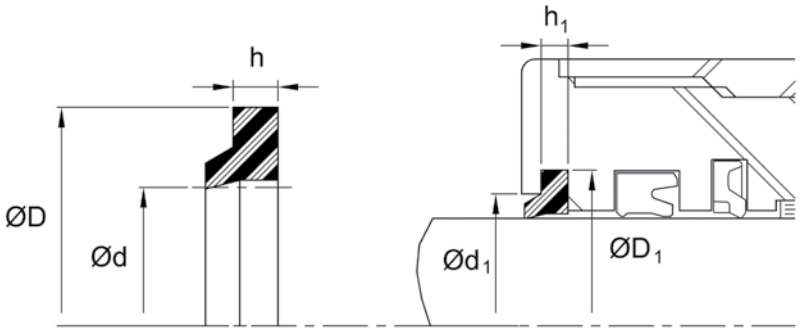
AN SERIES - NBR: -40/250F [-40/121C] FPM: -20/400F [-28/204C]

Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V
AN-037	4.50	8.05	AN-30	5.65	21.70	AN-60	12.85	77.15
AN-01	2.10	8.35	AN-31	6.20	21.80	AN-61	12.90	78.60
AN-02	2.35	8.50	AN-32	6.45	23.00	AN-62	13.05	79.20
AN-03	2.45	8.55	AN-33	6.85	24.05	AN-63	13.30	79.90
AN-04	2.50	9.90	AN-34	7.10	25.65	AN-64	13.80	82.55
AN-05	2.55	10.10	AN-35	7.30	26.00	AN-65	14.65	87.50
AN-06	2.55	10.15	AN-36	7.55	26.25	AN-66	17.30	104.40
AN-07	2.60	10.30	AN-37	7.60	26.50	AN-67	18.05	108.60
AN-08	2.65	10.40	AN-38	7.60	30.60	AN-68	18.65	112.30
AN-09	2.65	10.40	AN-39	7.70	30.70	AN-69	19.75	118.90
AN-10	2.65	10.40	AN-40	7.75	31.05	AN-70	20.40	122.80
AN-11	2.65	10.60	AN-41	7.75	31.20	AN-71	21.00	126.85
AN-12	2.75	10.95	AN-42	7.80	31.35			
AN-13	2.80	11.20	AN-43	7.85	31.80			
AN-14	2.95	11.60	AN-44	7.95	31.90			
AN-15	3.00	11.85	AN-45	8.00	42.90			
AN-16	3.05	12.20	AN-46	8.15	48.80			
AN-17	3.20	12.75	AN-47	8.20	49.25			
AN-18	3.30	13.20	AN-48	8.30	49.70			
AN-19	3.40	13.65	AN-49	8.65	50.20			
AN-20	3.65	14.60	AN-50	8.70	52.45			
AN-21	3.75	14.90	AN-51	9.50	55.25			
AN-22	3.80	15.15	AN-52	9.70	58.15			
AN-23	3.90	15.30	AN-53	10.00	60.40			
AN-24	3.95	15.85	AN-54	10.20	61.60			
AN-25	4.20	16.25	AN-55	10.75	65.25			
AN-26	4.35	17.40	AN-56	11.00	66.30			
AN-27	4.95	17.80	AN-57	11.55	68.40			
AN-28	5.20	18.35	AN-58	11.80	70.90			
AN-29	2.50	18.65	AN-59	12.20	75.45			

AN - Rod Wipers

Polyurethane AU 90A



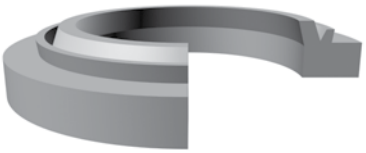


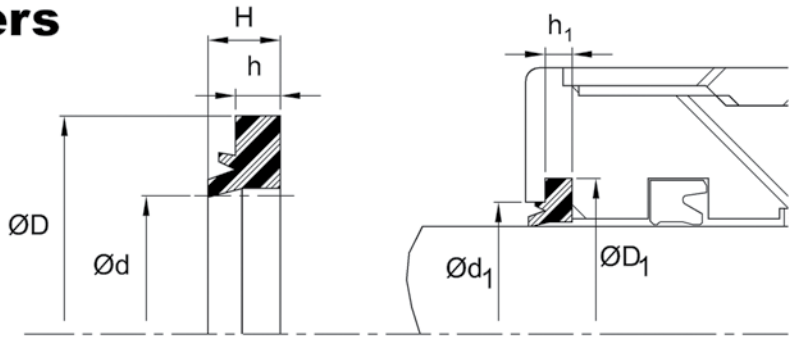
Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-3E4103	1.500 +.000 / -.002	1.500			1.670	+.010 / -.010	1.802	+.004 / -.000	0.110	+.002 / -.002	1.55
RCAT-3E4104	1.625 +.000 / -.002	1.625			1.790	+.010 / -.010	1.927	+.004 / -.000	0.110	+.002 / -.002	2.05
RCAT-3E4105	1.750 +.000 / -.002	1.750			1.920	+.010 / -.010	2.052	+.004 / -.000	0.110	+.002 / -.002	2.10
RCAT-3E4106	2.000 +.000 / -.002	2.000			2.180	+.010 / -.010	2.302	+.004 / -.000	0.110	+.002 / -.002	2.20
RCAT-3E4107	2.250 +.000 / -.002	2.250			2.430	+.010 / -.010	2.552	+.004 / -.000	0.110	+.002 / -.002	2.35
RCAT-3E4108	2.500 +.000 / -.002	2.500			2.680	+.010 / -.010	2.802	+.004 / -.000	0.110	+.002 / -.002	2.65
RCAT-3E4109	2.750 +.000 / -.002	2.750			2.960	+.010 / -.010	3.114	+.004 / -.000	0.120	+.002 / -.002	2.80
RCAT-3E4110	3.000 +.000 / -.002	3.000			3.210	+.010 / -.010	3.364	+.004 / -.000	0.120	+.002 / -.002	3.50
RCAT-3E4111	3.375 +.000 / -.002	3.375			3.580	+.010 / -.010	3.739	+.004 / -.000	0.120	+.002 / -.002	4.20
RCAT-3E4112	3.500 +.000 / -.002	3.500			3.710	+.010 / -.010	3.864	+.004 / -.000	0.120	+.002 / -.002	4.40
RCAT-3E4113	3.750 +.000 / -.002	3.750			3.960	+.010 / -.010	4.114	+.004 / -.000	0.120	+.002 / -.002	4.55
RCAT-3E4114	4.000 +.000 / -.002	4.000			4.240	+.010 / -.010	4.427	+.004 / -.000	0.140	+.002 / -.002	4.65
RCAT-3E4115	4.250 +.000 / -.002	4.250			4.490	+.010 / -.010	4.677	+.004 / -.000	0.140	+.002 / -.002	5.30
RCAT-3E4116	4.500 +.000 / -.003	4.500			4.740	+.010 / -.010	4.927	+.005 / -.000	0.140	+.002 / -.002	5.50
RCAT-3E4117	4.750 +.000 / -.003	4.750			4.990	+.010 / -.010	5.177	+.005 / -.000	0.140	+.002 / -.002	5.70
RCAT-3E4118	5.000 +.000 / -.003	5.000			5.240	+.010 / -.010	5.427	+.005 / -.000	0.140	+.002 / -.002	5.90
RCAT-3E4119	5.250 +.000 / -.003	5.250			5.490	+.010 / -.010	5.677	+.005 / -.000	0.140	+.002 / -.002	6.10
RCAT-3E4120	5.750 +.000 / -.003	5.750			6.020	+.010 / -.010	6.239	+.005 / -.000	0.150	+.002 / -.002	6.30
RCAT-3E4121	6.000 +.000 / -.003	6.000			6.270	+.010 / -.010	6.489	+.005 / -.000	0.150	+.002 / -.002	6.65
RCAT-3E4122	6.500 +.000 / -.003	6.500			6.770	+.010 / -.010	6.989	+.005 / -.000	0.150	+.002 / -.002	7.40
RCAT-3E4123	6.750 +.000 / -.003	6.750			7.020	+.010 / -.010	7.239	+.005 / -.000	0.150	+.002 / -.002	8.80

AN/DL - Rod Wipers

Hytrel 92A





Temperature: -40/300F [-40/189C] **Pressure: N/A**

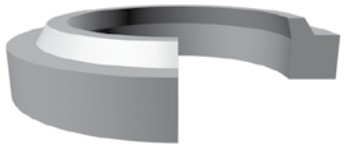
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
AN-01DL	0.500	+.000 / -.002	0.500	0.766	0.104	0.647	+.005 / -.000	0.760	+.005 / -.000	0.107	+.003 / -.003	2.80
AN-02DL	0.562	+.000 / -.002	0.562	0.829	0.104	0.710	+.005 / -.000	0.823	+.005 / -.000	0.107	+.003 / -.003	2.90
AN-03DL	0.625	+.000 / -.002	0.625	0.891	0.104	0.772	+.005 / -.000	0.885	+.005 / -.000	0.107	+.003 / -.003	2.90
AN-04DL	0.687	+.000 / -.002	0.687	0.954	0.104	0.834	+.005 / -.000	0.948	+.005 / -.000	0.107	+.003 / -.003	2.90
AN-05DL	0.750	+.000 / -.002	0.750	1.016	0.104	0.897	+.005 / -.000	1.010	+.005 / -.000	0.107	+.003 / -.003	2.90
AN-06DL	0.812	+.000 / -.002	0.812	1.090	0.104	0.960	+.005 / -.000	1.084	+.005 / -.000	0.107	+.003 / -.003	2.95
AN-07DL	0.875	+.000 / -.002	0.875	1.153	0.104	1.023	+.005 / -.000	1.147	+.005 / -.000	0.107	+.003 / -.003	2.95
AN-08DL	0.937	+.000 / -.002	0.937	1.215	0.104	1.085	+.005 / -.000	1.209	+.005 / -.000	0.107	+.003 / -.003	2.95
AN-09DL	1.000	+.000 / -.002	1.000	1.278	0.104	1.148	+.005 / -.000	1.272	+.005 / -.000	0.107	+.003 / -.003	2.95
AN-10DL	1.062	+.000 / -.002	1.062	1.340	0.104	1.210	+.005 / -.000	1.334	+.005 / -.000	0.107	+.003 / -.003	2.95
AN-11DL	1.125	+.000 / -.002	1.125	1.403	0.104	1.273	+.005 / -.000	1.397	+.005 / -.000	0.107	+.003 / -.003	3.00
AN-12DL	1.187	+.000 / -.002	1.187	1.465	0.104	1.335	+.005 / -.000	1.459	+.005 / -.000	0.107	+.003 / -.003	3.00
AN-13DL	1.250	+.000 / -.002	1.250	1.528	0.104	1.398	+.005 / -.000	1.522	+.005 / -.000	0.107	+.003 / -.003	3.00
AN-14DL	1.312	+.000 / -.002	1.312	1.622	0.104	1.480	+.005 / -.000	1.614	+.005 / -.000	0.107	+.003 / -.003	3.00
AN-15DL	1.375	+.000 / -.002	1.375	1.685	0.104	1.542	+.005 / -.000	1.677	+.005 / -.000	0.107	+.003 / -.003	3.05
AN-16DL	1.437	+.000 / -.002	1.437	1.747	0.104	1.605	+.005 / -.000	1.739	+.005 / -.000	0.107	+.003 / -.003	3.05
AN-17DL	1.500	+.000 / -.002	1.500	1.810	0.104	1.668	+.005 / -.000	1.802	+.005 / -.000	0.107	+.003 / -.003	3.05
AN-18DL	1.625	+.000 / -.002	1.625	1.935	0.104	1.793	+.005 / -.000	1.927	+.005 / -.000	0.107	+.003 / -.003	3.05
AN-19DL	1.750	+.000 / -.002	1.750	2.060	0.104	1.918	+.005 / -.000	2.052	+.005 / -.000	0.107	+.003 / -.003	3.10
AN-20DL	1.875	+.000 / -.002	1.875	2.185	0.104	2.043	+.005 / -.000	2.177	+.005 / -.000	0.107	+.003 / -.003	3.05
AN-21DL	2.000	+.000 / -.002	2.000	2.310	0.104	2.178	+.005 / -.000	2.302	+.005 / -.000	0.107	+.003 / -.003	3.20
AN-22DL	2.125	+.000 / -.002	2.125	2.435	0.104	2.303	+.005 / -.000	2.427	+.005 / -.000	0.107	+.003 / -.003	3.20
AN-23DL	2.250	+.000 / -.002	2.250	2.560	0.104	2.428	+.005 / -.000	2.552	+.005 / -.000	0.107	+.003 / -.003	3.25
AN-24DL	2.375	+.000 / -.002	2.375	2.685	0.104	2.553	+.005 / -.000	2.677	+.005 / -.000	0.107	+.003 / -.003	3.25
AN-25DL	2.500	+.000 / -.002	2.500	2.810	0.104	2.678	+.005 / -.000	2.802	+.005 / -.000	0.107	+.003 / -.003	3.30
AN-26DL	2.625	+.000 / -.002	2.625	2.999	0.119	2.834	+.005 / -.000	2.989	+.005 / -.000	0.122	+.003 / -.003	3.65
AN-27DL	2.750	+.000 / -.002	2.750	3.124	0.119	2.959	+.005 / -.000	3.114	+.005 / -.000	0.122	+.003 / -.003	3.70
AN-28DL	2.875	+.000 / -.002	2.875	3.249	0.119	3.084	+.005 / -.000	3.239	+.005 / -.000	0.122	+.003 / -.003	3.80
AN-29DL	3.000	+.000 / -.002	3.000	3.374	0.119	3.209	+.005 / -.000	3.364	+.005 / -.000	0.122	+.003 / -.003	3.80
AN-30DL	3.125	+.000 / -.002	3.125	3.499	0.119	3.334	+.005 / -.000	3.489	+.005 / -.000	0.122	+.003 / -.003	3.85
AN-31DL	3.250	+.000 / -.002	3.250	3.624	0.119	3.459	+.005 / -.000	3.614	+.005 / -.000	0.122	+.003 / -.003	3.90
AN-32DL	3.375	+.000 / -.002	3.375	3.749	0.119	3.584	+.005 / -.000	3.739	+.005 / -.000	0.122	+.003 / -.003	3.90
AN-33DL	3.500	+.000 / -.002	3.500	3.874	0.119	3.709	+.005 / -.000	3.864	+.005 / -.000	0.122	+.003 / -.003	3.95
AN-34DL	3.625	+.000 / -.002	3.625	3.999	0.119	3.834	+.005 / -.000	3.989	+.005 / -.000	0.122	+.003 / -.003	4.05
AN-35DL	3.750	+.000 / -.002	3.750	4.124	0.119	3.959	+.005 / -.000	4.114	+.005 / -.000	0.122	+.003 / -.003	4.05
AN-36DL	3.875	+.000 / -.002	3.875	4.249	0.119	4.084	+.005 / -.000	4.239	+.005 / -.000	0.122	+.003 / -.003	4.10
AN-37DL	4.000	+.000 / -.002	4.000	4.439	0.135	4.240	+.005 / -.000	4.427	+.005 / -.000	0.138	+.003 / -.003	4.50
AN-38DL	4.125	+.000 / -.002	4.125	4.564	0.135	4.365	+.005 / -.000	4.552	+.005 / -.000	0.138	+.003 / -.003	4.55

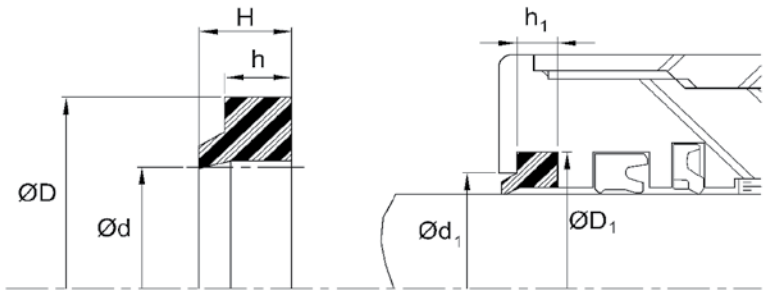
www.sealsonline.com

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
AN-39DL	4.250	+.000 / -.002	4.250	4.689	0.135	4.490	+.005 / -.000	4.677	+.005 / -.000	0.138	+.003 / -.003	4.65
AN-40DL	4.375	+.000 / -.003	4.375	4.814	0.135	4.615	+.005 / -.000	4.802	+.005 / -.000	0.138	+.003 / -.003	4.65
AN-41DL	4.500	+.000 / -.003	4.500	4.939	0.135	4.740	+.005 / -.000	4.927	+.005 / -.000	0.138	+.003 / -.003	4.70
AN-42DL	4.625	+.000 / -.003	4.625	5.064	0.135	4.865	+.005 / -.000	5.052	+.005 / -.000	0.138	+.003 / -.003	4.75
AN-43DL	4.750	+.000 / -.003	4.750	5.189	0.135	4.990	+.005 / -.000	5.177	+.005 / -.000	0.138	+.003 / -.003	7.45
AN-44DL	4.875	+.000 / -.003	4.875	5.314	0.135	5.115	+.005 / -.000	5.302	+.005 / -.000	0.138	+.003 / -.003	7.50
AN-45DL	5.000	+.000 / -.003	5.000	5.439	0.135	5.240	+.005 / -.000	5.427	+.005 / -.000	0.138	+.003 / -.003	7.55
AN-46DL	5.125	+.000 / -.003	5.125	5.564	0.135	5.365	+.005 / -.000	5.552	+.005 / -.000	0.138	+.003 / -.003	7.65
AN-47DL	5.250	+.000 / -.003	5.250	5.689	0.135	5.490	+.005 / -.000	5.677	+.005 / -.000	0.138	+.003 / -.003	7.75
AN-48DL	5.375	+.000 / -.003	5.375	5.814	0.135	5.615	+.005 / -.000	5.802	+.005 / -.000	0.138	+.003 / -.003	7.75
AN-49DL	5.500	+.000 / -.003	5.500	5.939	0.135	5.740	+.005 / -.000	5.927	+.005 / -.000	0.138	+.003 / -.003	7.75
AN-50DL	5.625	+.000 / -.003	5.625	6.128	0.151	5.896	+.005 / -.000	6.114	+.005 / -.000	0.154	+.003 / -.003	8.40
AN-51DL	5.750	+.000 / -.003	5.750	6.254	0.151	6.022	+.005 / -.000	6.239	+.005 / -.000	0.154	+.003 / -.003	8.45
AN-52DL	5.875	+.000 / -.003	5.875	6.379	0.151	6.146	+.005 / -.000	6.364	+.005 / -.000	0.154	+.003 / -.003	8.55
AN-53DL	6.000	+.000 / -.003	6.000	6.504	0.151	6.272	+.005 / -.000	6.489	+.005 / -.000	0.154	+.003 / -.003	8.55
AN-54DL	6.250	+.000 / -.003	6.250	6.754	0.151	6.522	+.005 / -.000	6.739	+.005 / -.000	0.154	+.003 / -.003	8.70
AN-55DL	6.500	+.000 / -.003	6.500	7.004	0.151	6.772	+.005 / -.000	6.989	+.005 / -.000	0.154	+.003 / -.003	8.80
AN-56DL	6.750	+.000 / -.003	6.750	7.254	0.151	7.022	+.005 / -.000	7.239	+.005 / -.000	0.154	+.003 / -.003	8.95
AN-57DL	7.000	+.000 / -.003	7.000	7.504	0.151	7.272	+.005 / -.000	7.489	+.005 / -.000	0.154	+.003 / -.003	9.10

D - Rod Wipers

Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
D-00187	0.187	+.000 / -.002	0.187	0.437	0.125	0.341	+.010 / -.000	0.427	+.006 / -.000	0.124	+.004 / -.000	5.25
D-00250	0.250	+.000 / -.002	0.250	0.500	0.125	0.410	+.010 / -.000	0.497	+.006 / -.000	0.124	+.004 / -.000	1.95
D-00312	0.312	+.000 / -.002	0.312	0.562	0.125	0.475	+.010 / -.000	0.560	+.006 / -.000	0.124	+.004 / -.000	2.45
D-00375	0.375	+.000 / -.002	0.375	0.625	0.125	0.535	+.010 / -.000	0.622	+.006 / -.000	0.124	+.004 / -.000	2.45
D-00437	0.437	+.000 / -.002	0.437	0.687	0.125	0.600	+.010 / -.000	0.685	+.006 / -.000	0.124	+.004 / -.000	2.05
D-00500	0.500	+.000 / -.002	0.500	0.750	0.125	0.660	+.010 / -.000	0.747	+.006 / -.000	0.124	+.004 / -.000	1.45
D-00562	0.562	+.000 / -.002	0.562	0.812	0.125	0.725	+.010 / -.000	0.810	+.006 / -.000	0.124	+.004 / -.000	1.95
D-00625	0.625	+.000 / -.002	0.625	0.875	0.125	0.785	+.010 / -.000	0.872	+.006 / -.000	0.124	+.004 / -.000	1.65
D-00687	0.687	+.000 / -.002	0.687	0.937	0.125	0.850	+.010 / -.000	0.935	+.006 / -.000	0.124	+.004 / -.000	3.45
D-00750	0.750	+.000 / -.003	0.750	1.125	0.187	0.995	+.010 / -.000	1.122	+.006 / -.000	0.187	+.004 / -.000	1.75
D-00812	0.812	+.000 / -.003	0.812	1.187	0.187	1.060	+.010 / -.000	1.185	+.006 / -.000	0.187	+.004 / -.000	1.75
D-00875	0.875	+.000 / -.003	0.875	1.250	0.187	1.120	+.010 / -.000	1.247	+.006 / -.000	0.187	+.004 / -.000	1.80
D-01000	1.000	+.000 / -.003	1.000	1.375	0.187	1.245	+.010 / -.000	1.372	+.006 / -.000	0.187	+.004 / -.000	1.25
D-01062	1.062	+.000 / -.003	1.062	1.437	0.187	1.310	+.010 / -.000	1.435	+.006 / -.000	0.187	+.004 / -.000	1.85

D SERIES - AU 90A

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
D-01125	1.125	+.000 / -.003	1.125	1.500	0.187	1.370	+.010 / -.000	1.497	+.006 / -.000	0.187	+.004 / -.000	1.85
D-01187	1.187	+.000 / -.003	1.187	1.562	0.187	1.435	+.010 / -.000	1.560	+.006 / -.000	0.187	+.004 / -.000	2.00
D-01250	1.250	+.000 / -.003	1.250	1.625	0.187	1.495	+.010 / -.000	1.622	+.006 / -.000	0.187	+.004 / -.000	1.40
D-01312	1.312	+.000 / -.003	1.312	1.687	0.187	1.560	+.010 / -.000	1.685	+.006 / -.000	0.187	+.004 / -.000	4.90
D-01375	1.375	+.000 / -.003	1.375	1.750	0.187	1.620	+.010 / -.000	1.747	+.006 / -.000	0.187	+.004 / -.000	2.00
D-01437	1.437	+.000 / -.003	1.437	1.812	0.187	1.685	+.010 / -.000	1.810	+.006 / -.000	0.187	+.004 / -.000	6.50
D-01500	1.500	+.000 / -.003	1.500	1.875	0.187	1.745	+.010 / -.000	1.872	+.006 / -.000	0.187	+.004 / -.000	1.75
D-01562	1.562	+.000 / -.003	1.562	1.937	0.187	1.810	+.010 / -.000	1.935	+.006 / -.000	0.187	+.004 / -.000	2.25
D-01625	1.625	+.000 / -.003	1.625	2.000	0.187	1.870	+.010 / -.000	1.997	+.006 / -.000	0.187	+.004 / -.000	2.50
D-01750	1.750	+.000 / -.003	1.750	2.125	0.187	1.995	+.010 / -.000	2.122	+.006 / -.000	0.187	+.004 / -.000	1.85
D-01875	1.875	+.000 / -.003	1.875	2.250	0.187	2.120	+.010 / -.000	2.247	+.006 / -.000	0.187	+.004 / -.000	2.85
D-02000	2.000	+.000 / -.003	2.000	2.500	0.250	2.327	+.010 / -.000	2.497	+.006 / -.000	0.249	+.004 / -.000	2.35
D-02000-1	2.000	+.000 / -.003	2.000	2.375	0.187	2.245	+.010 / -.000	2.372	+.006 / -.000	0.187	+.004 / -.000	3.65
D-02125	2.125	+.000 / -.003	2.125	2.625	0.250	2.452	+.010 / -.000	2.622	+.006 / -.000	0.249	+.004 / -.000	3.10
D-02250	2.250	+.000 / -.003	2.250	2.750	0.250	2.577	+.010 / -.000	2.747	+.006 / -.000	0.249	+.004 / -.000	3.10
D-02312	2.312	+.000 / -.003	2.312	2.812	0.250	2.640	+.010 / -.000	2.810	+.006 / -.000	0.249	+.004 / -.000	3.80
D-02375	2.375	+.000 / -.003	2.375	2.875	0.250	2.702	+.010 / -.000	2.872	+.006 / -.000	0.249	+.004 / -.000	3.25
D-02500	2.500	+.000 / -.003	2.500	3.000	0.250	2.827	+.010 / -.000	2.997	+.006 / -.000	0.249	+.004 / -.000	2.65
D-02562	2.562	+.000 / -.003	2.562	3.062	0.250	2.890	+.010 / -.000	3.060	+.006 / -.000	0.249	+.004 / -.000	3.90
D-02625	2.625	+.000 / -.003	2.625	3.125	0.250	2.952	+.010 / -.000	3.122	+.006 / -.000	0.249	+.004 / -.000	4.00
D-02750	2.750	+.000 / -.003	2.750	3.250	0.250	3.077	+.010 / -.000	3.247	+.006 / -.000	0.249	+.004 / -.000	4.10
D-02875	2.875	+.000 / -.003	2.875	3.375	0.250	3.202	+.010 / -.000	3.372	+.006 / -.000	0.249	+.004 / -.000	4.25
D-03000	3.000	+.000 / -.004	3.000	3.500	0.250	3.327	+.010 / -.000	3.497	+.006 / -.000	0.249	+.004 / -.000	2.80
D-03125	3.125	+.000 / -.004	3.125	3.625	0.250	3.452	+.010 / -.000	3.622	+.006 / -.000	0.249	+.004 / -.000	6.50
D-03250	3.250	+.000 / -.004	3.250	3.750	0.250	3.577	+.010 / -.000	3.747	+.006 / -.000	0.249	+.004 / -.000	4.30
D-03375	3.375	+.000 / -.004	3.375	3.875	0.250	3.702	+.010 / -.000	3.872	+.006 / -.000	0.249	+.004 / -.000	4.55
D-03500	3.500	+.000 / -.004	3.500	4.000	0.250	3.827	+.010 / -.000	3.997	+.006 / -.000	0.249	+.004 / -.000	3.60
D-03625	3.625	+.000 / -.004	3.625	4.125	0.250	3.952	+.010 / -.000	4.122	+.006 / -.000	0.249	+.004 / -.000	4.85
D-03750	3.750	+.000 / -.004	3.750	4.250	0.250	4.077	+.010 / -.000	4.247	+.006 / -.000	0.249	+.004 / -.000	5.10
D-03875	3.875	+.000 / -.004	3.875	4.375	0.250	4.202	+.010 / -.000	4.372	+.006 / -.000	0.249	+.004 / -.000	6.15
D-04000	4.000	+.000 / -.004	4.000	4.500	0.250	4.327	+.010 / -.000	4.497	+.006 / -.000	0.249	+.004 / -.000	3.80
D-04000-1	4.000	+.000 / -.004	4.000	4.625	0.312	4.368	+.010 / -.000	4.625	+.006 / -.000	0.312	+.004 / -.000	15.45
D-04125	4.125	+.000 / -.004	4.125	4.625	0.250	4.452	+.010 / -.000	4.622	+.006 / -.000	0.249	+.004 / -.000	6.70
D-04250	4.250	+.000 / -.004	4.250	4.750	0.250	4.577	+.010 / -.000	4.747	+.006 / -.000	0.249	+.004 / -.000	7.05
D-04375	4.375	+.000 / -.004	4.375	4.875	0.250	4.702	+.010 / -.000	4.872	+.006 / -.000	0.249	+.004 / -.000	11.95
D-04500	4.500	+.000 / -.004	4.500	5.250	0.375	4.993	+.010 / -.000	5.247	+.006 / -.000	0.374	+.004 / -.000	12.60
D-04500-1	4.500	+.000 / -.004	4.500	5.000	0.250	4.827	+.010 / -.000	4.997	+.006 / -.000	0.249	+.004 / -.000	18.55
D-04625	4.625	+.000 / -.004	4.625	5.375	0.375	5.118	+.010 / -.000	5.372	+.006 / -.000	0.374	+.004 / -.000	16.75
D-04750	4.750	+.000 / -.004	4.750	5.500	0.375	5.243	+.010 / -.000	5.497	+.006 / -.000	0.374	+.004 / -.000	16.45
D-04750-1	4.750	+.000 / -.004	4.750	5.250	0.250	5.077	+.010 / -.000	5.247	+.006 / -.000	0.249	+.004 / -.000	21.25
D-04875	4.875	+.000 / -.004	4.875	5.625	0.375	5.368	+.010 / -.000	5.622	+.006 / -.000	0.374	+.004 / -.000	28.35
D-05000	5.000	+.000 / -.004	5.000	5.750	0.375	5.493	+.010 / -.000	5.747	+.006 / -.000	0.374	+.004 / -.000	12.70
D-05000-1	5.000	+.000 / -.004	5.000	5.500	0.250	5.327	+.010 / -.000	5.497	+.006 / -.000	0.249	+.004 / -.000	25.80
D-05125	5.125	+.000 / -.004	5.125	5.875	0.375	5.618	+.010 / -.000	5.872	+.006 / -.000	0.374	+.004 / -.000	19.25
D-05250	5.250	+.000 / -.004	5.250	6.000	0.375	5.743	+.010 / -.000	5.997	+.006 / -.000	0.374	+.004 / -.000	18.75
D-05375	5.375	+.000 / -.004	5.375	6.125	0.375	5.868	+.010 / -.000	6.122	+.006 / -.000	0.374	+.004 / -.000	34.40
D-05500	5.500	+.000 / -.004	5.500	6.250	0.375	5.993	+.010 / -.000	6.247	+.006 / -.000	0.374	+.004 / -.000	21.20
D-05500-1	5.500	+.000 / -.004	5.500	6.125	0.375	5.868	+.010 / -.000	6.122	+.006 / -.000	0.374	+.004 / -.000	46.45

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
D-05625	5.625	+.000 / -.004	5.625	6.375	0.375	6.118	+.010 / -.000	6.372	+.006 / -.000	0.374	+.004 / -.000	36.90
D-05750	5.750	+.000 / -.004	5.750	6.500	0.375	6.243	+.010 / -.000	6.497	+.006 / -.000	0.374	+.004 / -.000	36.90
D-05875	5.875	+.000 / -.004	5.875	6.625	0.375	6.368	+.010 / -.000	6.622	+.006 / -.000	0.374	+.004 / -.000	38.70
D-06000	6.000	+.000 / -.004	6.000	6.750	0.375	6.493	+.010 / -.000	6.747	+.006 / -.000	0.374	+.004 / -.000	20.00
D-06125	6.125	+.000 / -.004	6.125	6.875	0.375	6.618	+.010 / -.000	6.872	+.006 / -.000	0.374	+.004 / -.000	39.45
D-06250	6.250	+.000 / -.004	6.250	7.000	0.375	6.743	+.010 / -.000	6.997	+.006 / -.000	0.374	+.004 / -.000	26.85
D-06250-1	6.250	+.000 / -.004	6.250	6.750	0.250	6.577	+.010 / -.000	6.747	+.006 / -.000	0.249	+.004 / -.000	36.80
D-06500	6.500	+.000 / -.004	6.500	7.250	0.375	6.993	+.010 / -.000	7.247	+.006 / -.000	0.374	+.004 / -.000	21.30
D-06500-1	6.500	+.000 / -.004	6.500	7.500	0.500	7.100	+.010 / -.000	7.497	+.006 / -.000	0.499	+.004 / -.000	50.75
D-06625	6.625	+.000 / -.004	6.625	7.375	0.375	7.118	+.010 / -.000	7.372	+.006 / -.000	0.374	+.004 / -.000	28.60
D-06750	6.750	+.000 / -.004	6.750	7.500	0.375	7.243	+.010 / -.000	7.497	+.006 / -.000	0.374	+.004 / -.000	22.20
D-07000	7.000	+.000 / -.005	7.000	7.750	0.375	7.493	+.010 / -.000	7.747	+.006 / -.000	0.374	+.004 / -.000	28.55
D-07000-1	7.000	+.000 / -.005	7.000	8.000	0.500	7.600	+.010 / -.000	8.000	+.006 / -.000	0.500	+.004 / -.000	62.80
D-07000-2	7.000	+.000 / -.005	7.000	8.000	0.400	7.600	+.010 / -.000	8.000	+.006 / -.000	0.400	+.004 / -.000	73.60
D-07250	7.250	+.000 / -.005	7.250	8.000	0.375	7.743	+.010 / -.000	7.997	+.006 / -.000	0.374	+.004 / -.000	32.75
D-07500	7.500	+.000 / -.005	7.500	8.250	0.375	7.993	+.010 / -.000	8.247	+.006 / -.000	0.374	+.004 / -.000	31.95
D-07500-1	7.500	+.000 / -.005	7.500	8.500	0.500	8.100	+.010 / -.000	8.500	+.006 / -.000	0.500	+.004 / -.000	68.10
D-07500-2	7.500	+.000 / -.005	7.500	8.500	0.375	8.100	+.010 / -.000	8.500	+.006 / -.000	0.374	+.004 / -.000	77.40
D-07750	7.750	+.000 / -.005	7.750	8.500	0.375	8.243	+.010 / -.000	8.497	+.006 / -.000	0.374	+.004 / -.000	35.50
D-08000	8.000	+.000 / -.005	8.000	8.750	0.375	8.493	+.010 / -.000	8.747	+.006 / -.000	0.374	+.004 / -.000	35.25
D-08000-1	8.000	+.000 / -.005	8.000	8.500	0.250	8.327	+.010 / -.000	8.497	+.006 / -.000	0.249	+.004 / -.000	59.70
D-08000-2	8.000	+.000 / -.005	8.000	9.000	0.500	8.600	+.010 / -.000	9.000	+.006 / -.000	0.500	+.004 / -.000	62.40
D-08125-1	8.125	+.000 / -.005	8.125	8.625	0.250	8.457	+.010 / -.000	8.625	+.006 / -.000	0.250	+.004 / -.000	42.20
D-08250	8.250	+.000 / -.005	8.250	9.000	0.375	8.743	+.010 / -.000	8.997	+.006 / -.000	0.374	+.004 / -.000	36.00
D-08500	8.500	+.000 / -.005	8.500	9.250	0.375	8.993	+.010 / -.000	9.247	+.006 / -.000	0.374	+.004 / -.000	37.50
D-08500-1	8.500	+.000 / -.005	8.500	9.000	0.250	8.827	+.010 / -.000	8.997	+.006 / -.000	0.249	+.004 / -.000	39.25
D-08750	8.750	+.000 / -.005	8.750	9.500	0.375	9.243	+.010 / -.000	9.497	+.006 / -.000	0.374	+.004 / -.000	39.60
D-08875	8.875	+.000 / -.005	8.875	9.625	0.375	9.368	+.010 / -.000	9.622	+.006 / -.000	0.374	+.004 / -.000	40.45
D-09000	9.000	+.000 / -.005	9.000	9.750	0.375	9.493	+.010 / -.000	9.747	+.006 / -.000	0.374	+.004 / -.000	40.45
D-09000-1	9.000	+.000 / -.005	9.000	10.000	0.500	9.600	+.010 / -.000	10.000	+.006 / -.000	0.500	+.004 / -.000	64.95
D-09250	9.250	+.000 / -.005	9.250	10.000	0.375	9.743	+.010 / -.000	9.997	+.006 / -.000	0.374	+.004 / -.000	40.45
D-09500	9.500	+.000 / -.005	9.500	10.250	0.375	9.993	+.010 / -.000	10.247	+.006 / -.000	0.374	+.004 / -.000	41.55
D-09750	9.750	+.000 / -.005	9.750	10.500	0.375	10.243	+.010 / -.000	10.497	+.006 / -.000	0.374	+.004 / -.000	43.40
D-09750-1	9.750	+.000 / -.005	9.750	10.250	0.250	10.077	+.010 / -.000	10.247	+.006 / -.000	0.249	+.004 / -.000	48.30
D-10000	10.000	+.000 / -.005	10.000	11.000	0.500	10.659	+.010 / -.000	10.997	+.006 / -.000	0.499	+.004 / -.000	59.10
D-10000-1	10.000	+.000 / -.005	10.000	10.500	0.250	10.327	+.010 / -.000	10.497	+.006 / -.000	0.249	+.004 / -.000	61.75
D-10250	10.250	+.000 / -.005	10.250	11.250	0.500	10.909	+.010 / -.000	11.247	+.006 / -.000	0.499	+.004 / -.000	61.95
D-10500	10.500	+.000 / -.005	10.500	11.500	0.500	11.159	+.010 / -.000	11.497	+.006 / -.000	0.499	+.004 / -.000	62.15
D-10625	10.625	+.000 / -.005	10.625	11.625	0.500	11.248	+.010 / -.000	11.622	+.006 / -.000	0.499	+.004 / -.000	62.15
D-10750	10.750	+.000 / -.005	10.750	11.750	0.500	11.409	+.010 / -.000	11.747	+.006 / -.000	0.499	+.004 / -.000	62.70
D-11000	11.000	+.000 / -.005	11.000	12.000	0.500	11.659	+.010 / -.000	11.997	+.006 / -.000	0.499	+.004 / -.000	63.95
D-11250	11.250	+.000 / -.005	11.250	12.250	0.500	11.909	+.010 / -.000	12.247	+.006 / -.000	0.499	+.004 / -.000	65.85
D-11500	11.500	+.000 / -.005	11.500	12.500	0.500	12.159	+.010 / -.000	12.497	+.006 / -.000	0.499	+.004 / -.000	67.30
D-11750	11.750	+.000 / -.005	11.750	12.750	0.500	12.409	+.010 / -.000	12.747	+.006 / -.000	0.499	+.004 / -.000	68.55
D-12000	12.000	+.000 / -.005	12.000	13.000	0.500	12.659	+.010 / -.000	12.997	+.006 / -.000	0.499	+.004 / -.000	69.80
D-12500	12.500	+.000 / -.005	12.500	13.500	0.500	13.159	+.010 / -.000	13.497	+.006 / -.000	0.499	+.004 / -.000	72.05
D-13000	13.000	+.000 / -.005	13.000	14.000	0.500	13.659	+.010 / -.000	13.997	+.006 / -.000	0.499	+.004 / -.000	76.95
D-13500	13.500	+.000 / -.005	13.500	14.500	0.500	14.159	+.010 / -.000	14.497	+.006 / -.000	0.499	+.004 / -.000	92.30

D SERIES - AU 90A

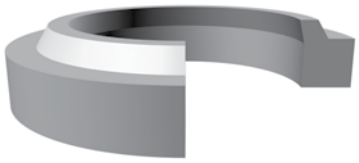
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
D-13750	13.750	+.000 / -.005	13.750	14.750	0.500	14.409	+.010 / -.000	14.747	+.006 / -.000	0.499	+.004 / -.000	95.25
D-14000	14.000	+.000 / -.005	14.000	15.000	0.500	14.659	+.010 / -.000	14.997	+.006 / -.000	0.499	+.004 / -.000	155.72
D-14750	14.750	+.000 / -.005	14.750	15.750	0.500	15.409	+.010 / -.000	15.747	+.006 / -.000	0.499	+.004 / -.000	99.20
D-15000	15.000	+.000 / -.005	15.000	16.000	0.500	15.659	+.010 / -.000	15.997	+.006 / -.000	0.499	+.004 / -.000	105.40
D-16000	16.000	+.000 / -.005	16.000	17.000	0.500	16.659	+.010 / -.000	16.997	+.006 / -.000	0.499	+.004 / -.000	113.80
D-16500	16.500	+.000 / -.005	16.500	17.500	0.500	17.159	+.010 / -.000	17.447	+.006 / -.000	0.499	+.004 / -.000	179.50
D-18000	18.000	+.000 / -.005	18.000	19.000	0.500	18.659	+.010 / -.000	18.997	+.006 / -.000	0.499	+.004 / -.000	182.75
D-18500	18.500	+.000 / -.005	18.500	19.500	0.500	19.159	+.010 / -.000	19.447	+.006 / -.000	0.499	+.004 / -.000	190.75
D-20000	20.000	+.000 / -.005	20.000	21.000	0.500	20.659	+.010 / -.000	20.997	+.006 / -.000	0.499	+.004 / -.000	214.85
D-30000	30.000	+.000 / -.005	30.000	31.000	0.500	30.659	+.010 / -.000	30.997	+.006 / -.000	0.499	+.004 / -.000	632.15

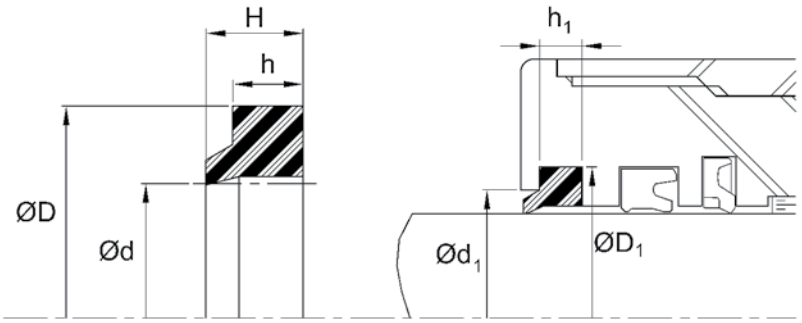
D SERIES - NBR: -40/250F [-40/121C] FPM: -20/400F [-28/204C]

Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V
D-00250	2.00	7.50	D-02312	3.90	14.45	D-05750	8.90	43.90
D-00312	2.10	7.60	D-02375	3.95	14.75	D-05875	9.70	53.95
D-00375	2.10	7.65	D-02437	4.05	14.90	D-06000	10.05	47.70
D-00437	2.15	7.80	D-02500	4.10	13.20	D-06250	10.20	57.15
D-00500	2.15	7.90	D-02562	4.25	15.80	D-06500	10.50	51.30
D-00562	2.25	7.90	D-02625	4.35	16.15	D-06750	11.00	61.55
D-00625	2.25	7.90	D-02687	4.45	16.55	D-07000	11.30	55.50
D-00687	2.30	8.20	D-02750	4.45	14.65	D-07250	11.80	65.85
D-00750	2.30	8.30	D-02812	4.45	17.50	D-07500	12.65	59.85
D-00812	2.35	8.45	D-02875	4.60	19.30	D-07750	12.85	71.60
D-00875	2.50	8.75	D-03000	4.70	17.30	D-08000	13.20	63.65
D-00937	2.65	9.10	D-03125	5.65	21.15	D-08250	13.75	76.70
D-01000	2.70	9.35	D-03250	5.80	20.30	D-08500	14.10	66.70
D-01125	2.75	9.80	D-03375	6.45	24.10	D-08750	14.40	80.40
D-01187	2.80	10.30	D-03500	6.60	22.35	D-09000	15.60	75.60
D-01250	2.90	10.50	D-03625	7.10	26.70	D-09250	16.00	89.35
D-01313	2.95	10.85	D-03750	7.30	24.15	D-09500	16.20	78.90
D-01375	2.95	11.05	D-03875	7.55	28.05	D-09750	16.35	91.60
D-01438	3.05	11.30	D-04000	7.60	24.60	D-10000	16.85	81.25
D-01500	3.10	10.25	D-04125	7.70	28.45	D-10250	17.05	95.40
D-01563	3.20	15.60	D-04250	7.70	24.85	D-10500	17.30	96.90
D-01625	3.25	10.65	D-04375	7.75	28.85	D-10750	17.70	98.90
D-01687	3.30	12.30	D-04500	7.75	25.15	D-11000	18.05	100.85
D-01750	3.50	11.45	D-04625	7.80	29.10	D-11250	18.40	103.10
D-01812	3.60	13.45	D-04750	7.85	25.50	D-11500	18.65	104.30
D-01875	3.60	11.75	D-04875	7.95	29.65	D-11750	19.55	109.55
D-01937	3.65	13.65	D-05000	8.00	38.70	D-12000	19.75	110.40
D-02000	3.70	11.95	D-05125	8.15	45.35	D-12500	20.40	114.10
D-02062	3.70	13.75	D-05250	8.20	39.95	D-13000	21.00	117.75
D-02125	3.80	14.10	D-05375	8.30	46.20			
D-02187	3.85	14.25	D-05500	8.50	42.00			
D-02250	3.85	12.40	D-05625	8.70	48.70			

D - Rod Wipers

Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

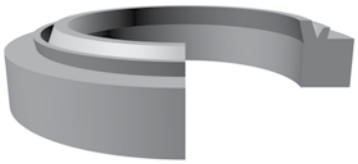
Ref.Number	Rod diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-5J2274	0.625 +.000 / -.002	0.625			0.790	+.010 / -.010	0.880	+.003 / -.003	0.130	+.002 / -.002	2.20
RCAT-6J1879	0.750 +.000 / -.003	0.750			1.000	+.010 / -.010	1.130	+.003 / -.003	0.190	+.002 / -.002	1.75
RCAT-6J1890	1.000 +.000 / -.003	1.000			1.250	+.010 / -.010	1.380	+.003 / -.003	0.190	+.002 / -.002	1.85
RCAT-3E4138	1.125 +.000 / -.003	1.125			1.370	+.010 / -.010	1.500	+.003 / -.003	0.190	+.002 / -.002	2.05
RCAT-3E4139	1.250 +.000 / -.003	1.250			1.490	+.010 / -.010	1.620	+.003 / -.003	0.190	+.002 / -.002	2.20
RCAT-3E4140	1.375 +.000 / -.003	1.375			1.620	+.010 / -.010	1.750	+.003 / -.003	0.190	+.002 / -.002	2.45
RCAT-3E4141	1.500 +.000 / -.003	1.500			1.740	+.010 / -.010	1.870	+.003 / -.003	0.190	+.002 / -.002	2.65
RCAT-5J6795	1.500 +.000 / -.003	1.500			1.750	+.010 / -.010	1.880	+.003 / -.003	0.190	+.002 / -.002	2.65
RCAT-3E4163	1.625 +.000 / -.003	1.625			1.740	+.010 / -.010	2.000	+.003 / -.003	0.190	+.002 / -.002	2.75
RCAT-3E4142	1.750 +.000 / -.003	1.750			1.990	+.010 / -.010	2.120	+.003 / -.003	0.190	+.002 / -.002	2.85
RCAT-7U7648	1.750 +.000 / -.003	1.750					2.130	+.003 / -.003			O/R
RCAT-8T5431	1.750 +.000 / -.003	1.750			2.130	+.010 / -.010			0.190	+.002 / -.002	O/R
RCAT-3G4721	1.875 +.000 / -.003	1.875			2.130	+.010 / -.010	2.250	+.003 / -.003	0.190	+.002 / -.002	4.35
RCAT-3E4143	2.000 +.000 / -.003	2.000			2.330	+.010 / -.010	2.500	+.003 / -.003	0.250	+.002 / -.002	3.30
RCAT-4T0415	2.000 +.000 / -.003	2.000			2.330	+.010 / -.010	2.500	+.003 / -.003	0.250	+.002 / -.002	3.30
RCAT-5U3693	2.000 +.000 / -.003	2.000			2.500	+.010 / -.010			0.250	+.002 / -.002	O/R
RCAT-1K5354	2.010 +.000 / -.003	2.010			2.370	+.010 / -.010			0.180	+.002 / -.002	O/R
RCAT-3E4144	2.250 +.000 / -.003	2.250			2.580	+.010 / -.010	2.750	+.003 / -.003	0.250	+.002 / -.002	3.80
RCAT-6J0217	2.250 +.000 / -.003	2.250			2.620	+.010 / -.010	2.750	+.003 / -.003	0.250	+.002 / -.002	3.80
RCAT-3E4167	2.375 +.000 / -.003	2.375			2.700	+.010 / -.010	2.870	+.003 / -.003	0.250	+.002 / -.002	5.30
RCAT-5J8016	2.375 +.000 / -.003	2.375			2.710	+.010 / -.010	2.880	+.003 / -.003	0.250	+.002 / -.002	5.30
RCAT-3E4145	2.500 +.000 / -.003	2.500			2.830	+.010 / -.010	3.000	+.003 / -.003	0.250	+.002 / -.002	3.95
RCAT-5J8156	2.500 +.000 / -.003	2.500			2.830	+.010 / -.010	3.000	+.003 / -.003	0.250	+.002 / -.002	3.95
RCAT-3G4719	2.625 +.000 / -.003	2.625			2.960	+.010 / -.010	3.130	+.003 / -.003	0.250	+.002 / -.002	5.65
RCAT-3E4169	2.750 +.000 / -.003	2.750			3.080	+.010 / -.010	3.250	+.003 / -.003	0.250	+.002 / -.002	4.40
RCAT-5J7036	2.750 +.000 / -.003	2.750			3.080	+.010 / -.010	3.250	+.003 / -.003	0.250	+.002 / -.002	4.40
RCAT-3E4146	3.000 +.000 / -.004	3.000			3.330	+.010 / -.010	3.500	+.003 / -.003	0.250	+.002 / -.002	5.25
RCAT-5J7030	3.000 +.000 / -.004	3.000			3.330	+.010 / -.010	3.500	+.003 / -.003	0.250	+.002 / -.002	5.25
RCAT-5U2818	3.000 +.000 / -.004	3.000					3.500	+.003 / -.003	0.250	+.002 / -.002	O/R
RCAT-5J7034	3.250 +.000 / -.004	3.250			3.580	+.010 / -.010	3.750	+.003 / -.003	0.250	+.002 / -.002	5.80
RCAT-3E4171	3.375 +.000 / -.004	3.375			3.700	+.010 / -.010	3.870	+.003 / -.003	0.250	+.002 / -.002	7.95
RCAT-3E4147	3.500 +.000 / -.004	3.500			3.830	+.010 / -.010	4.000	+.003 / -.003	0.250	+.002 / -.002	9.00
RCAT-5J7032	3.500 +.000 / -.004	3.500			3.830	+.010 / -.010	4.000	+.003 / -.003	0.250	+.002 / -.002	9.00
RCAT-5U3529	3.500 +.000 / -.004	3.500					4.000	+.003 / -.003	0.250	+.002 / -.002	O/R
RCAT-3E4172	3.750 +.000 / -.004	3.750			4.080	+.010 / -.010	4.250	+.003 / -.003	0.250	+.002 / -.002	9.95
RCAT-4T5540	3.750 +.000 / -.004	3.750			4.080	+.010 / -.010	4.250	+.003 / -.003	0.250	+.002 / -.002	9.95

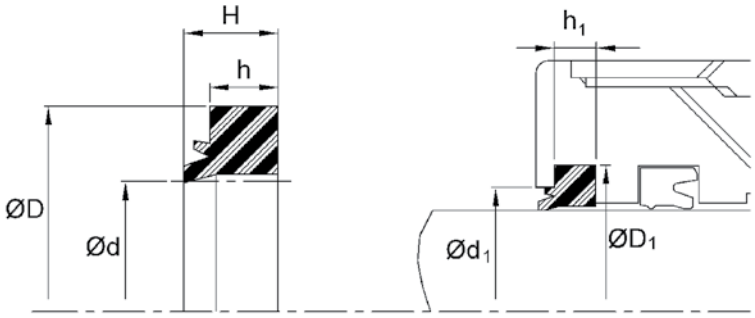
D SERIES - CAT X-REF - AU 90A

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-1389739	4.000	+.000 / -.004	4.000			4.500	+.010 / -.010			0.250	+.002 / -.002	O/R
RCAT-3E4148	4.000	+.000 / -.004	4.000			4.330	+.010 / -.010	4.500	+.003 / -.003	0.250	+.002 / -.002	11.40
RCAT-5J2221	4.000	+.000 / -.004	4.000			4.330	+.010 / -.010	4.500	+.003 / -.003	0.250	+.002 / -.002	11.40
RCAT-4T1637	4.250	+.000 / -.004	4.250			4.610	+.010 / -.010	4.750	+.003 / -.003	0.250	+.002 / -.002	11.75
RCAT-7U4138	4.250	+.000 / -.004	4.250					4.750	+.003 / -.003	0.250	+.002 / -.002	O/R
RCAT-3G8505	4.500	+.000 / -.004	4.500			5.000	+.010 / -.010	5.250	+.003 / -.003	0.380	+.002 / -.002	19.20
RCAT-3E4149	5.000	+.000 / -.004	5.000			5.490	+.010 / -.010	5.750	+.003 / -.003	0.370	+.002 / -.002	23.45
RCAT-9J2547	5.000	+.000 / -.004	5.000			5.500	+.010 / -.010	5.750	+.003 / -.003	0.380	+.002 / -.002	23.45
RCAT-4T5663	5.250	+.000 / -.004	5.250			5.750	+.010 / -.010	6.000	+.003 / -.003	0.380	+.002 / -.002	25.85
RCAT-3E4174	5.500	+.000 / -.004	5.500			5.990	+.010 / -.010	6.250	+.003 / -.003	0.370	+.002 / -.002	28.55
RCAT-6J3073	5.500	+.000 / -.004	5.500			5.870	+.010 / -.010	6.130	+.003 / -.003	0.380	+.002 / -.002	44.25
RCAT-1U2708	6.000	+.000 / -.004	6.000			6.500	+.010 / -.010	6.750	+.003 / -.003	0.380	+.002 / -.002	26.70
RCAT-7J3319	6.125	+.000 / -.004	6.125			6.630	+.010 / -.010	6.875	+.003 / -.003	0.380	+.002 / -.002	36.30
RCAT-1214174	6.250	+.000 / -.004	6.250			7.000	+.010 / -.010	7.410	+.003 / -.003	0.380	+.002 / -.002	41.55
RCAT-6J0542	6.500	+.000 / -.004	6.500			7.170	+.010 / -.010	7.500	+.003 / -.003	0.400	+.002 / -.002	51.35
RCAT-5J2682	7.000	+.000 / -.005	7.000			7.670	+.010 / -.010	8.000	+.003 / -.003	0.400	+.002 / -.002	55.30
RCAT-9X7366	7.000	+.000 / -.005	7.000			8.000	+.010 / -.010			0.400	+.002 / -.002	55.30
RCAT-4T4802	7.250	+.000 / -.005	7.250			7.750	+.010 / -.010	8.000	+.003 / -.003	0.380	+.002 / -.002	34.05
RCAT-7J3320	7.500	+.000 / -.005	7.500			8.170	+.010 / -.010	8.500	+.003 / -.003	0.500	+.002 / -.002	59.95
RCAT-1214172	7.750	+.000 / -.005	7.750			8.250	+.010 / -.010	8.500	+.003 / -.003	0.400	+.002 / -.002	37.40
RCAT-8J9934	8.500	+.000 / -.005	8.500			9.000	+.010 / -.010	9.250	+.003 / -.003	0.400	+.002 / -.002	39.45
RCAT-6E0252	8.750	+.000 / -.005	8.750			9.250	+.010 / -.010	9.500	+.003 / -.003	0.380	+.002 / -.002	40.65
RCAT-6J7694	9.000	+.000 / -.005	9.000			9.500	+.010 / -.010	9.750	+.003 / -.003	0.400	+.002 / -.002	41.30
RCAT-9X7367	9.000	+.000 / -.005	9.000			9.500	+.010 / -.010	9.750	+.003 / -.003	0.400	+.002 / -.002	41.30
RCAT-1214173	9.500	+.000 / -.005	9.500			9.840	+.010 / -.010	10.500	+.003 / -.003	0.500	+.002 / -.002	76.60
RCAT-4T4805	10.500	+.000 / -.005	10.500			11.170	+.010 / -.010	11.500	+.003 / -.003	0.500	+.002 / -.002	63.40
RCAT-1U4625	11.000	+.000 / -.005	11.000			11.670	+.010 / -.010	12.000	+.003 / -.003	0.500	+.002 / -.002	66.85
RCAT-9X7368	11.000	+.000 / -.005	11.000			11.670	+.010 / -.010	12.000	+.003 / -.003	0.500	+.002 / -.002	66.85
RCAT-1214171	11.500	+.000 / -.005	11.500			12.170	+.010 / -.010	12.500	+.003 / -.003	0.500	+.002 / -.002	80.90
RCAT-4T4130	12.500	+.000 / -.005	12.500			13.170	+.010 / -.010	13.500	+.003 / -.003	0.500	+.002 / -.002	87.65
RCAT-9X7369	12.500	+.000 / -.005	12.500			13.170	+.010 / -.010	13.500	+.003 / -.003	0.500	+.002 / -.002	87.65

D/DL - Rod Wipers

Hytrel 92A





Temperature: -40/300F [-40/189C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
D-00500DL	0.500	+.000 / -.002	0.500	0.750	0.125	0.660	+.010 / -.000	0.747	+.006 / -.000	0.124	+.004 / -.000	4.50
D-00562DL	0.562	+.000 / -.002	0.562	0.812	0.125	0.725	+.010 / -.000	0.810	+.006 / -.000	0.124	+.004 / -.000	4.55
D-00687DL	0.687	+.000 / -.002	0.687	0.937	0.125	0.850	+.010 / -.000	0.935	+.006 / -.000	0.124	+.004 / -.000	4.55
D-00750DL	0.750	+.000 / -.003	0.750	1.125	0.187	0.995	+.010 / -.000	1.122	+.006 / -.000	0.187	+.004 / -.000	4.80
D-00812DL	0.812	+.000 / -.003	0.812	1.187	0.187	1.060	+.010 / -.000	1.185	+.006 / -.000	0.187	+.004 / -.000	4.90
D-00875DL	0.875	+.000 / -.003	0.875	1.250	0.187	1.120	+.010 / -.000	1.247	+.006 / -.000	0.187	+.004 / -.000	4.90
D-00937DL	0.937	+.000 / -.003	0.937	1.312	0.187	1.185	+.010 / -.000	1.310	+.006 / -.000	0.187	+.004 / -.000	4.90
D-01000DL	1.000	+.000 / -.003	1.000	1.375	0.187	1.245	+.010 / -.000	1.372	+.006 / -.000	0.187	+.004 / -.000	4.95
D-01062DL	1.062	+.000 / -.003	1.062	1.437	0.187	1.310	+.010 / -.000	1.435	+.006 / -.000	0.187	+.004 / -.000	4.95
D-01125DL	1.125	+.000 / -.003	1.125	1.500	0.187	1.370	+.010 / -.000	1.497	+.006 / -.000	0.187	+.004 / -.000	4.95
D-01187DL	1.187	+.000 / -.003	1.187	1.562	0.187	1.435	+.010 / -.000	1.560	+.006 / -.000	0.187	+.004 / -.000	5.00
D-01250DL	1.250	+.000 / -.003	1.250	1.625	0.187	1.495	+.010 / -.000	1.622	+.006 / -.000	0.187	+.004 / -.000	5.00
D-01312DL	1.312	+.000 / -.003	1.312	1.687	0.187	1.560	+.010 / -.000	1.685	+.006 / -.000	0.187	+.004 / -.000	5.05
D-01375DL	1.375	+.000 / -.003	1.375	1.750	0.187	1.620	+.010 / -.000	1.747	+.006 / -.000	0.187	+.004 / -.000	5.05
D-01437DL	1.437	+.000 / -.003	1.437	1.687	0.187	1.685	+.010 / -.000	1.810	+.006 / -.000	0.187	+.004 / -.000	5.05
D-01500DL	1.500	+.000 / -.003	1.500	1.875	0.187	1.745	+.010 / -.000	1.872	+.006 / -.000	0.187	+.004 / -.000	5.15
D-01625DL	1.625	+.000 / -.003	1.625	2.000	0.187	1.870	+.010 / -.000	1.997	+.006 / -.000	0.187	+.004 / -.000	5.15
D-01750DL	1.750	+.000 / -.003	1.750	2.125	0.187	1.995	+.010 / -.000	2.122	+.006 / -.000	0.187	+.004 / -.000	5.20
D-01875DL	1.875	+.000 / -.003	1.875	2.250	0.187	2.120	+.010 / -.000	2.247	+.006 / -.000	0.187	+.004 / -.000	5.95
D-02000DL	2.000	+.000 / -.003	2.000	2.500	0.250	2.327	+.010 / -.000	2.497	+.006 / -.000	0.249	+.004 / -.000	6.15
D-02125DL	2.125	+.000 / -.003	2.125	2.625	0.250	2.452	+.010 / -.000	2.622	+.006 / -.000	0.249	+.004 / -.000	6.30
D-02250DL	2.250	+.000 / -.003	2.250	2.750	0.250	2.577	+.010 / -.000	2.747	+.006 / -.000	0.249	+.004 / -.000	6.35
D-02375DL	2.375	+.000 / -.003	2.375	2.875	0.250	2.702	+.010 / -.000	2.872	+.006 / -.000	0.249	+.004 / -.000	6.45
D-02500DL	2.500	+.000 / -.003	2.500	3.000	0.250	2.827	+.010 / -.000	2.997	+.006 / -.000	0.249	+.004 / -.000	6.50
D-02625DL	2.625	+.000 / -.003	2.625	3.125	0.250	2.952	+.010 / -.000	3.122	+.006 / -.000	0.249	+.004 / -.000	6.65
D-02750DL	2.750	+.000 / -.003	2.750	3.250	0.250	3.077	+.010 / -.000	3.247	+.006 / -.000	0.249	+.004 / -.000	6.70
D-02875DL	2.875	+.000 / -.003	2.875	3.375	0.250	3.202	+.010 / -.000	3.372	+.006 / -.000	0.249	+.004 / -.000	6.75
D-03000DL	3.000	+.000 / -.004	3.000	3.500	0.250	3.327	+.010 / -.000	3.497	+.006 / -.000	0.249	+.004 / -.000	6.85
D-03125DL	3.125	+.000 / -.004	3.125	3.625	0.250	3.452	+.010 / -.000	3.622	+.006 / -.000	0.249	+.004 / -.000	6.95
D-03250DL	3.250	+.000 / -.004	3.250	3.750	0.250	3.577	+.010 / -.000	3.747	+.006 / -.000	0.249	+.004 / -.000	7.05
D-03375DL	3.375	+.000 / -.004	3.375	3.875	0.250	3.702	+.010 / -.000	3.872	+.006 / -.000	0.249	+.004 / -.000	7.10
D-03500DL	3.500	+.000 / -.004	3.500	4.000	0.250	3.827	+.010 / -.000	3.997	+.006 / -.000	0.249	+.004 / -.000	7.25
D-03625DL	3.625	+.000 / -.004	3.625	4.125	0.250	3.952	+.010 / -.000	4.122	+.006 / -.000	0.249	+.004 / -.000	7.30
D-03750DL	3.750	+.000 / -.004	3.750	4.250	0.250	4.077	+.010 / -.000	4.247	+.006 / -.000	0.249	+.004 / -.000	7.45
D-03875DL	3.875	+.000 / -.004	3.875	4.375	0.250	4.202	+.010 / -.000	4.372	+.006 / -.000	0.249	+.004 / -.000	7.50
D-04000DL	4.000	+.000 / -.004	4.000	4.500	0.250	4.327	+.010 / -.000	4.497	+.006 / -.000	0.249	+.004 / -.000	7.60
D-04125DL	4.125	+.000 / -.004	4.125	4.625	0.250	4.452	+.010 / -.000	4.622	+.006 / -.000	0.249	+.004 / -.000	7.65
D-04250DL	4.250	+.000 / -.004	4.250	4.750	0.250	4.577	+.010 / -.000	4.747	+.006 / -.000	0.249	+.004 / -.000	7.75

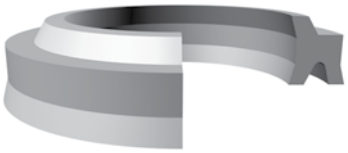
D/DL SERIES - HYTREL 92A

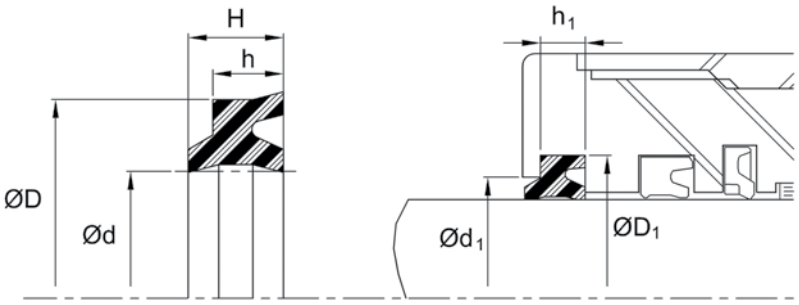
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
D-04500DL	4.500	+.000 / -.004	4.500	5.250	0.375	4.993	+.010 / -.000	5.247	+.006 / -.000	0.374	+.004 / -.000	13.25
D-04625DL	4.625	+.000 / -.004	4.625	5.375	0.375	5.118	+.010 / -.000	5.372	+.006 / -.000	0.374	+.004 / -.000	13.50
D-04750DL	4.750	+.000 / -.004	4.750	5.500	0.375	5.243	+.010 / -.000	5.497	+.006 / -.000	0.374	+.004 / -.000	13.65
D-04875DL	4.875	+.000 / -.004	4.875	5.625	0.375	5.368	+.010 / -.000	5.622	+.006 / -.000	0.374	+.004 / -.000	13.85
D-05000DL	5.000	+.000 / -.004	5.000	5.750	0.375	5.493	+.010 / -.000	5.747	+.006 / -.000	0.374	+.004 / -.000	16.30
D-05125DL	5.125	+.000 / -.004	5.125	5.875	0.375	5.618	+.010 / -.000	5.872	+.006 / -.000	0.374	+.004 / -.000	16.40
D-05250DL	5.250	+.000 / -.004	5.250	6.000	0.375	5.743	+.010 / -.000	5.997	+.006 / -.000	0.374	+.004 / -.000	16.70
D-05375DL	5.375	+.000 / -.004	5.375	6.125	0.375	5.868	+.010 / -.000	6.122	+.006 / -.000	0.374	+.004 / -.000	16.90
D-05500DL	5.500	+.000 / -.004	5.500	6.250	0.375	5.993	+.010 / -.000	6.247	+.006 / -.000	0.374	+.004 / -.000	17.00
D-05625DL	5.625	+.000 / -.004	5.625	6.375	0.375	6.118	+.010 / -.000	6.372	+.006 / -.000	0.374	+.004 / -.000	17.30
D-05750DL	5.750	+.000 / -.004	5.750	6.500	0.375	6.243	+.010 / -.000	6.497	+.006 / -.000	0.374	+.004 / -.000	17.60
D-05875DL	5.875	+.000 / -.004	5.875	6.625	0.375	6.368	+.010 / -.000	6.622	+.006 / -.000	0.374	+.004 / -.000	17.75
D-06000DL	6.000	+.000 / -.004	6.000	6.750	0.375	6.493	+.010 / -.000	6.747	+.006 / -.000	0.374	+.004 / -.000	18.00
D-06250DL	6.250	+.000 / -.004	6.250	7.000	0.375	6.743	+.010 / -.000	6.997	+.006 / -.000	0.374	+.004 / -.000	18.40
D-06500DL	6.500	+.000 / -.004	6.500	7.250	0.375	6.993	+.010 / -.000	7.247	+.006 / -.000	0.374	+.004 / -.000	18.85
D-06750DL	6.750	+.000 / -.004	6.750	7.500	0.375	7.243	+.010 / -.000	7.497	+.006 / -.000	0.374	+.004 / -.000	21.25
D-07000DL	7.000	+.000 / -.005	7.000	7.750	0.375	7.493	+.010 / -.000	7.747	+.006 / -.000	0.374	+.004 / -.000	23.80



H - Rod Wipers

Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
H-00250	0.250	+.000 / -.001	0.250	0.562	0.194	0.370	+.002 / -.000	0.552	+.002 / -.000	0.203	+.005 / -.000	2.00
H-00312	0.312	+.000 / -.001	0.312	0.625	0.194	0.432	+.002 / -.000	0.615	+.002 / -.000	0.203	+.005 / -.000	2.00
H-00375	0.375	+.000 / -.001	0.375	0.687	0.194	0.495	+.002 / -.000	0.677	+.002 / -.000	0.203	+.005 / -.000	2.00
H-00500	0.500	+.000 / -.001	0.500	0.812	0.194	0.620	+.002 / -.000	0.802	+.002 / -.000	0.203	+.005 / -.000	2.00
H-00625	0.625	+.000 / -.001	0.625	0.937	0.194	0.745	+.002 / -.000	0.927	+.002 / -.000	0.203	+.005 / -.000	2.15
H-00625-1	0.625	+.000 / -.001	0.625	1.000	0.212	0.760	+.002 / -.000	0.990	+.002 / -.000	0.218	+.005 / -.000	7.50
H-00750	0.750	+.000 / -.001	0.750	1.062	0.194	0.870	+.002 / -.000	1.052	+.002 / -.000	0.203	+.005 / -.000	2.70
H-00875	0.875	+.000 / -.001	0.875	1.250	0.212	1.010	+.002 / -.000	1.240	+.002 / -.000	0.218	+.005 / -.000	2.75
H-00937	0.937	+.000 / -.001	0.937	1.312	0.212	1.072	+.003 / -.000	1.302	+.003 / -.000	0.218	+.005 / -.000	2.80
H-01000	1.000	+.000 / -.001	1.000	1.375	0.212	1.135	+.003 / -.000	1.365	+.003 / -.000	0.218	+.005 / -.000	2.95
H-01125	1.125	+.000 / -.001	1.125	1.500	0.212	1.260	+.003 / -.000	1.490	+.003 / -.000	0.218	+.005 / -.000	3.00
H-01250	1.250	+.000 / -.001	1.250	1.625	0.212	1.385	+.003 / -.000	1.615	+.003 / -.000	0.218	+.005 / -.000	3.05
H-01375	1.375	+.000 / -.001	1.375	1.750	0.212	1.510	+.003 / -.000	1.740	+.003 / -.000	0.218	+.005 / -.000	3.10
H-01500	1.500	+.000 / -.001	1.500	1.875	0.212	1.635	+.003 / -.000	1.865	+.003 / -.000	0.218	+.005 / -.000	3.30
H-01625	1.625	+.000 / -.001	1.625	2.000	0.212	1.760	+.003 / -.000	1.990	+.003 / -.000	0.218	+.005 / -.000	3.40
H-01750	1.750	+.000 / -.001	1.750	2.125	0.212	1.885	+.003 / -.000	2.115	+.003 / -.000	0.218	+.005 / -.000	3.70
H-01875	1.875	+.000 / -.001	1.875	2.250	0.212	2.010	+.003 / -.000	2.240	+.003 / -.000	0.218	+.005 / -.000	3.95
H-02000	2.000	+.000 / -.001	2.000	2.375	0.212	2.135	+.003 / -.000	2.365	+.003 / -.000	0.218	+.005 / -.000	4.05
H-02125	2.125	+.000 / -.001	2.125	2.500	0.212	2.260	+.003 / -.000	2.490	+.003 / -.000	0.218	+.005 / -.000	4.05
H-02187	2.187	+.000 / -.001	2.187	2.687	0.275	2.323	+.003 / -.000	2.683	+.003 / -.000	0.281	+.005 / -.000	4.10
H-02250	2.250	+.000 / -.001	2.250	2.750	0.275	2.385	+.003 / -.000	2.745	+.003 / -.000	0.281	+.005 / -.000	4.15
H-02375	2.375	+.000 / -.001	2.375	2.875	0.275	2.510	+.003 / -.000	2.870	+.003 / -.000	0.281	+.005 / -.000	4.25
H-02500	2.500	+.000 / -.001	2.500	3.000	0.275	2.635	+.003 / -.000	2.995	+.003 / -.000	0.281	+.005 / -.000	4.55
H-02625	2.625	+.000 / -.001	2.625	3.125	0.275	2.760	+.003 / -.000	3.120	+.003 / -.000	0.281	+.005 / -.000	4.90
H-02750	2.750	+.000 / -.001	2.750	3.250	0.275	2.885	+.003 / -.000	3.245	+.003 / -.000	0.281	+.005 / -.000	5.20
H-03000	3.000	+.000 / -.002	3.000	3.500	0.275	3.135	+.003 / -.000	3.495	+.003 / -.000	0.281	+.005 / -.000	7.05
H-03250	3.250	+.000 / -.002	3.250	3.750	0.275	3.385	+.003 / -.000	3.745	+.003 / -.000	0.281	+.005 / -.000	7.60
H-03500	3.500	+.000 / -.002	3.500	4.000	0.275	3.635	+.003 / -.000	3.995	+.003 / -.000	0.281	+.005 / -.000	8.30
H-03625	3.625	+.000 / -.002	3.625	4.125	0.275	3.760	+.003 / -.000	4.120	+.003 / -.000	0.281	+.005 / -.000	9.30
H-03750	3.750	+.000 / -.002	3.750	4.250	0.275	3.885	+.003 / -.000	4.245	+.003 / -.000	0.281	+.005 / -.000	8.35
H-03875	3.875	+.000 / -.002	3.875	4.375	0.275	4.010	+.003 / -.000	4.370	+.003 / -.000	0.281	+.005 / -.000	8.40
H-04000	4.000	+.000 / -.002	4.000	4.500	0.275	4.135	+.003 / -.000	4.495	+.003 / -.000	0.281	+.005 / -.000	8.70
H-04500	4.500	+.000 / -.002	4.500	5.000	0.275	4.635	+.003 / -.000	4.995	+.003 / -.000	0.281	+.005 / -.000	9.10
H-04750	4.750	+.000 / -.002	4.750	5.250	0.275	4.885	+.003 / -.000	5.245	+.003 / -.000	0.281	+.005 / -.000	9.60
H-05000	5.000	+.000 / -.002	5.000	5.500	0.275	5.135	+.003 / -.000	5.495	+.003 / -.000	0.281	+.005 / -.000	11.20
H-05125	5.125	+.000 / -.002	5.125	5.625	0.275	5.260	+.003 / -.000	5.620	+.003 / -.000	0.281	+.005 / -.000	11.35
H-05250	5.250	+.000 / -.002	5.250	5.750	0.275	5.385	+.003 / -.000	5.745	+.003 / -.000	0.281	+.005 / -.000	11.55
H-05500	5.500	+.000 / -.002	5.500	6.000	0.275	5.635	+.003 / -.000	5.995	+.003 / -.000	0.281	+.005 / -.000	11.70

H SERIES - AU 90A

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
H-06000	6.000	+.000 / -.002	6.000	6.500	0.275	6.135	+.003 / -.000	6.495	+.003 / -.000	0.281	+.005 / -.000	11.85
H-06500	6.500	+.000 / -.002	6.500	7.000	0.275	6.635	+.003 / -.000	6.995	+.003 / -.000	0.281	+.005 / -.000	15.50
H-07000	7.000	+.000 / -.002	7.000	7.500	0.275	7.135	+.003 / -.000	7.495	+.003 / -.000	0.281	+.005 / -.000	16.60
H-07500	7.500	+.000 / -.002	7.500	8.000	0.275	7.635	+.003 / -.000	7.995	+.003 / -.000	0.281	+.005 / -.000	17.05
H-08000	8.000	+.000 / -.002	8.000	8.500	0.275	8.135	+.003 / -.000	8.495	+.003 / -.000	0.281	+.005 / -.000	17.85
H-08500	8.500	+.000 / -.002	8.500	9.000	0.275	8.635	+.003 / -.000	8.995	+.003 / -.000	0.281	+.005 / -.000	19.85
H-10000	10.000	+.000 / -.002	10.000	10.500	0.275	10.135	+.003 / -.000	10.495	+.003 / -.000	0.281	+.005 / -.000	25.90

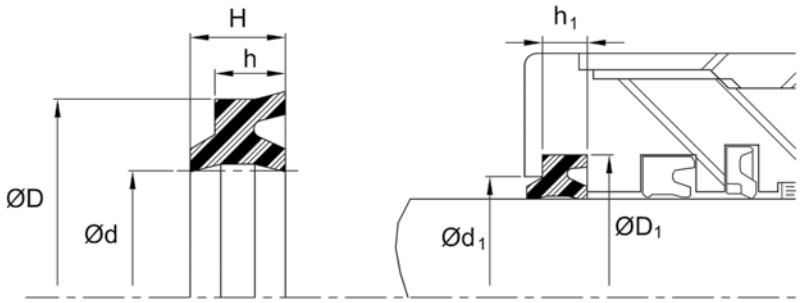
H SERIES - NBR: -40/250F [-40/121C] FPM: -20/400F [-28/204C]

Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V
H-00250	2.35	9.10	H-02062	4.15	16.70	H-04750	8.95	33.10
H-00312	2.35	10.65	H-02125	4.20	16.90	H-04875	9.05	38.50
H-00375	2.35	9.25	H-02187	4.25	17.05	H-05000	9.10	50.65
H-00437	2.40	10.65	H-02250	4.30	15.00	H-05125	9.25	58.55
H-00500	2.40	9.35	H-02312	4.40	17.50	H-05250	9.30	51.30
H-00562	2.45	10.85	H-02375	4.40	17.60	H-05375	9.45	59.30
H-00625	2.50	9.50	H-02437	4.45	17.85	H-05500	9.65	51.65
H-00625-1	2.50	9.50	H-02500	4.55	15.75	H-05625	9.70	59.65
H-00687	2.75	11.05	H-02562	5.00	19.90	H-05750	9.80	52.15
H-00750	2.75	9.60	H-02625	5.00	20.15	H-05875	9.90	60.20
H-00812	2.80	11.20	H-02687	5.05	20.35	H-06000	10.05	52.55
H-00875	2.85	9.90	H-02750	5.10	18.00	H-06250	10.45	62.95
H-00937	2.95	11.70	H-02812	5.25	20.90	H-06500	10.50	57.00
H-01000	2.95	10.15	H-02875	5.50	20.65	H-06750	10.90	70.50
H-01062	3.00	12.00	H-02937	5.75	23.10	H-07000	12.20	63.35
H-01125	3.00	10.45	H-03000	5.80	20.55	H-07250	12.50	75.25
H-01187	3.05	12.20	H-03125	5.95	23.85	H-07500	12.80	66.10
H-01250	3.10	11.20	H-03250	6.05	23.20	H-07750	13.25	79.95
H-01312	3.35	13.40	H-03375	6.35	26.95	H-08000	13.50	71.55
H-01375	3.40	12.00	H-03500	6.40	25.40	H-08250	13.80	83.15
H-01437	3.50	13.90	H-03625	6.60	30.50	H-08500	14.05	73.00
H-01500	3.55	12.65	H-03750	6.85	27.40	H-08750	14.10	84.90
H-01562	3.65	14.70	H-03875	6.95	31.90	H-09000	15.60	81.55
H-01625	3.75	12.90	H-04000	7.00	28.00	H-09250	15.75	94.80
H-01687	3.80	15.05	H-04125	7.10	32.50	H-09500	16.00	83.25
H-01750	3.85	13.65	H-04250	7.70	28.45	H-09750	16.05	96.80
H-01812	3.95	15.85	H-04375	8.20	33.05	H-10000	14.60	87.20
H-01875	4.05	14.10	H-04437	8.35	33.45			
H-01937	4.10	16.45	H-04500	8.40	32.45			
H-02000	4.10	14.35	H-04625	8.55	37.65			

H - Rod Wipers

Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

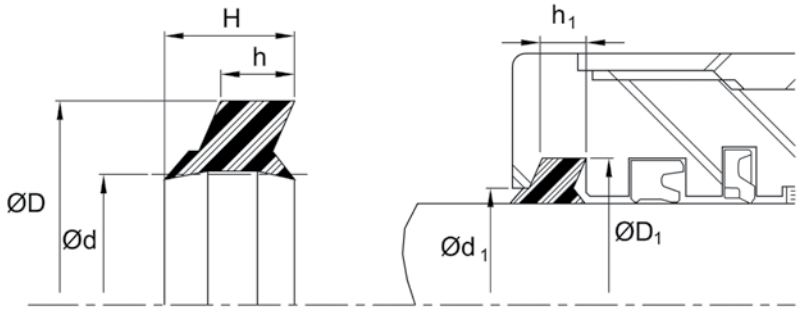
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-3E4150	1.750	+.000 / -.001	1.750			1.890	+.010 / -.010	2.110	+.003 / -.003	0.220	+.002 / -.002	3.80
RCAT-3E4151	2.000	+.000 / -.001	2.000			2.140	+.010 / -.010	2.360	+.003 / -.003	0.220	+.002 / -.002	4.40
RCAT-3E4152	2.250	+.000 / -.001	2.250			2.390	+.010 / -.010	2.740	+.003 / -.003	0.280	+.002 / -.002	5.40
RCAT-3E4153	2.500	+.000 / -.001	2.500			2.640	+.010 / -.010	2.990	+.003 / -.003	0.280	+.002 / -.002	5.70
RCAT-3E4154	3.000	+.000 / -.002	3.000			3.130	+.010 / -.010	3.490	+.003 / -.003	0.280	+.002 / -.002	7.15
RCAT-3E4155	3.500	+.000 / -.002	3.500			3.640	+.010 / -.010	3.990	+.003 / -.003	0.280	+.002 / -.002	8.35
RCAT-3E4156	4.000	+.000 / -.002	4.000			4.140	+.010 / -.010	4.490	+.003 / -.003	0.280	+.002 / -.002	8.80
RCAT-3E4157	4.500	+.000 / -.002	4.500			4.640	+.010 / -.010	4.990	+.003 / -.003	0.280	+.002 / -.002	10.95
RCAT-3E4158	5.000	+.000 / -.002	5.000			5.140	+.010 / -.010	5.490	+.003 / -.003	0.280	+.002 / -.002	11.30



K - Rod Wipers

Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
K-00500	0.500	+.000 / -.002	0.500	0.750	0.150	0.625	+.000 / -.005	0.760	+.005 / -.000	0.155	+.005 / -.000	2.00
K-00625	0.625	+.000 / -.002	0.625	0.875	0.150	0.750	+.000 / -.005	0.885	+.005 / -.000	0.155	+.005 / -.000	2.10
K-00687	0.687	+.000 / -.002	0.687	0.937	0.150	0.812	+.000 / -.005	0.947	+.005 / -.000	0.155	+.005 / -.000	2.10
K-00750	0.750	+.000 / -.002	0.750	1.125	0.190	0.832	+.000 / -.005	1.135	+.005 / -.000	0.195	+.005 / -.000	2.15
K-00875	0.875	+.000 / -.002	0.875	1.250	0.190	0.957	+.000 / -.005	1.260	+.005 / -.000	0.195	+.005 / -.000	2.15
K-01000	1.000	+.000 / -.002	1.000	1.375	0.190	1.082	+.000 / -.005	1.385	+.005 / -.000	0.195	+.005 / -.000	2.50
K-01125	1.125	+.000 / -.002	1.125	1.500	0.190	1.207	+.000 / -.005	1.510	+.005 / -.000	0.195	+.005 / -.000	2.55
K-01187	1.187	+.000 / -.002	1.187	1.562	0.190	1.269	+.000 / -.005	1.572	+.005 / -.000	0.195	+.005 / -.000	2.70
K-01250	1.250	+.000 / -.002	1.250	1.625	0.190	1.332	+.000 / -.005	1.635	+.005 / -.000	0.195	+.005 / -.000	2.80
K-01375	1.375	+.000 / -.002	1.375	1.750	0.190	1.457	+.000 / -.005	1.760	+.005 / -.000	0.195	+.005 / -.000	3.00
K-01437	1.437	+.000 / -.002	1.437	1.812	0.190	1.519	+.000 / -.005	1.822	+.005 / -.000	0.195	+.005 / -.000	3.20
K-01500	1.500	+.000 / -.002	1.500	1.875	0.190	1.582	+.000 / -.005	1.885	+.005 / -.000	0.195	+.005 / -.000	3.80
K-01750	1.750	+.000 / -.002	1.750	2.125	0.190	1.832	+.000 / -.005	2.135	+.005 / -.000	0.195	+.005 / -.000	3.85
K-01875	1.875	+.000 / -.002	1.875	2.250	0.190	1.957	+.000 / -.005	2.260	+.005 / -.000	0.195	+.005 / -.000	3.85
K-01937	1.937	+.000 / -.002	1.937	2.312	0.190	2.019	+.000 / -.005	2.322	+.005 / -.000	0.195	+.005 / -.000	4.05
K-02000	2.000	+.000 / -.002	2.000	2.375	0.190	2.082	+.000 / -.005	2.385	+.005 / -.000	0.195	+.005 / -.000	4.20
K-02125	2.125	+.000 / -.002	2.125	2.500	0.190	2.207	+.000 / -.005	2.510	+.005 / -.000	0.195	+.005 / -.000	4.35
K-02187	2.187	+.000 / -.002	2.187	2.562	0.190	2.269	+.000 / -.005	2.572	+.005 / -.000	0.195	+.005 / -.000	4.40
K-02250	2.250	+.000 / -.002	2.250	2.750	0.250	2.407	+.000 / -.005	2.760	+.005 / -.000	0.255	+.005 / -.000	4.55
K-02250-187	2.250	+.000 / -.002	2.250	2.625	0.190	2.332	+.000 / -.005	2.635	+.005 / -.000	0.195	+.005 / -.000	4.70
K-02470	2.470	+.000 / -.002	2.470	2.970	0.250	2.627	+.000 / -.005	2.980	+.005 / -.000	0.255	+.005 / -.000	4.75
K-02500	2.500	+.000 / -.002	2.500	3.000	0.250	2.657	+.000 / -.005	3.010	+.005 / -.000	0.255	+.005 / -.000	4.75
K-02500-187	2.500	+.000 / -.002	2.500	2.875	0.190	2.582	+.000 / -.005	2.885	+.005 / -.000	0.195	+.005 / -.000	4.75
K-02625	2.625	+.000 / -.002	2.625	3.125	0.250	2.782	+.000 / -.005	3.135	+.005 / -.000	0.255	+.005 / -.000	5.20
K-02750	2.750	+.000 / -.002	2.750	3.250	0.250	2.907	+.000 / -.005	3.260	+.005 / -.000	0.255	+.005 / -.000	5.60
K-02750-187	2.750	+.000 / -.002	2.750	3.125	0.190	2.832	+.000 / -.005	3.135	+.005 / -.000	0.195	+.005 / -.000	5.60
K-02875	2.875	+.000 / -.002	2.875	3.375	0.250	3.032	+.000 / -.005	3.385	+.005 / -.000	0.255	+.005 / -.000	6.10
K-03000	3.000	+.000 / -.002	3.000	3.500	0.250	3.157	+.000 / -.005	3.510	+.005 / -.000	0.255	+.005 / -.000	6.40
K-03000-187	3.000	+.000 / -.002	3.000	3.375	0.190	3.082	+.000 / -.005	3.385	+.005 / -.000	0.195	+.005 / -.000	6.65
K-03250	3.250	+.000 / -.002	3.250	3.750	0.250	3.407	+.000 / -.005	3.760	+.005 / -.000	0.255	+.005 / -.000	7.35
K-03375	3.375	+.000 / -.002	3.375	3.875	0.250	3.532	+.000 / -.005	3.885	+.005 / -.000	0.255	+.005 / -.000	7.75
K-03500	3.500	+.000 / -.002	3.500	4.000	0.250	3.657	+.000 / -.005	4.010	+.005 / -.000	0.255	+.005 / -.000	8.15
K-03500-187	3.500	+.000 / -.002	3.500	3.875	0.190	3.582	+.000 / -.005	3.885	+.005 / -.000	0.195	+.005 / -.000	8.15
K-03625	3.625	+.000 / -.002	3.625	4.125	0.250	3.782	+.000 / -.005	4.135	+.005 / -.000	0.255	+.005 / -.000	8.60
K-03687	3.687	+.000 / -.002	3.687	4.187	0.250	3.844	+.000 / -.005	4.197	+.005 / -.000	0.255	+.005 / -.000	9.00
K-03750	3.750	+.000 / -.002	3.750	4.250	0.250	3.907	+.000 / -.005	4.260	+.005 / -.000	0.255	+.005 / -.000	9.00
K-03750-187	3.750	+.000 / -.002	3.750	4.125	0.190	3.832	+.000 / -.005	4.135	+.005 / -.000	0.195	+.005 / -.000	9.00
K-03970	3.970	+.000 / -.002	3.970	4.470	0.250	4.127	+.000 / -.005	4.480	+.005 / -.000	0.255	+.005 / -.000	9.10

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Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
K-04000	4.000	+.000 / -.002	4.000	4.500	0.250	4.157	+.000 / -.005	4.510	+.005 / -.000	0.255	+.005 / -.000	12.05
K-04062	4.062	+.000 / -.002	4.062	4.562	0.250	4.219	+.000 / -.005	4.572	+.005 / -.000	0.255	+.005 / -.000	12.05
K-04125	4.125	+.000 / -.002	4.125	4.625	0.250	4.282	+.000 / -.005	4.635	+.005 / -.000	0.255	+.005 / -.000	12.45
K-04250	4.250	+.000 / -.002	4.250	4.750	0.250	4.407	+.000 / -.005	4.760	+.005 / -.000	0.255	+.005 / -.000	12.75
K-04437	4.437	+.000 / -.003	4.437	4.937	0.250	4.594	+.000 / -.005	4.947	+.005 / -.000	0.255	+.005 / -.000	13.30
K-04500	4.500	+.000 / -.003	4.500	5.000	0.250	4.657	+.000 / -.005	5.010	+.005 / -.000	0.255	+.005 / -.000	13.60
K-04531	4.531	+.000 / -.003	4.531	5.031	0.250	4.688	+.000 / -.005	5.041	+.005 / -.000	0.255	+.005 / -.000	13.80
K-04625	4.625	+.000 / -.003	4.625	5.125	0.250	4.782	+.000 / -.005	5.135	+.005 / -.000	0.255	+.005 / -.000	14.00
K-04700	4.700	+.000 / -.003	4.700	5.200	0.250	4.857	+.000 / -.005	5.210	+.005 / -.000	0.255	+.005 / -.000	14.15
K-04750	4.750	+.000 / -.003	4.750	5.250	0.250	4.907	+.000 / -.005	5.260	+.005 / -.000	0.255	+.005 / -.000	14.15
K-04875	4.875	+.000 / -.003	4.875	5.375	0.250	5.032	+.000 / -.005	5.385	+.005 / -.000	0.255	+.005 / -.000	14.25
K-05000	5.000	+.000 / -.003	5.000	5.500	0.250	5.157	+.000 / -.005	5.510	+.005 / -.000	0.255	+.005 / -.000	14.35
K-05250	5.250	+.000 / -.003	5.250	5.750	0.250	5.407	+.000 / -.005	5.760	+.005 / -.000	0.255	+.005 / -.000	14.55
K-05375	5.375	+.000 / -.003	5.375	5.875	0.250	5.532	+.000 / -.005	5.885	+.005 / -.000	0.255	+.005 / -.000	14.65
K-05500	5.500	+.000 / -.003	5.500	6.000	0.250	5.657	+.000 / -.005	6.010	+.005 / -.000	0.255	+.005 / -.000	14.70
K-05950	5.950	+.000 / -.003	5.950	6.450	0.250	6.107	+.000 / -.005	6.460	+.005 / -.000	0.255	+.005 / -.000	15.00
K-06000	6.000	+.000 / -.003	6.000	6.500	0.250	6.157	+.000 / -.005	6.510	+.005 / -.000	0.255	+.005 / -.000	15.55
K-07000	7.000	+.000 / -.003	7.000	7.500	0.250	7.157	+.000 / -.005	7.510	+.005 / -.000	0.255	+.005 / -.000	16.15



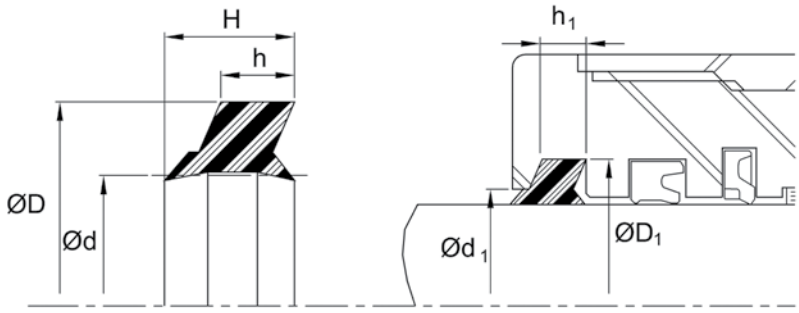
H SERIES - NBR: -40/250F [-40/121C] FPM: -20/400F [-28/204C]

Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V	Ref.Number	$ NBR /N	$ FPM /V
K-00500	2.40	9.35	K-02125	4.20	16.90	K-04875	9.60	38.50
K-00562	2.75	10.95	K-02250	3.80	15.00	K-05000	8.45	50.65
K-00625	2.40	9.50	K-02375	4.40	17.60	K-05250	8.55	51.10
K-00687	2.75	11.05	K-02437	4.45	17.85	K-05500	8.65	51.65
K-00750	2.45	9.60	K-02500	3.95	15.75	K-05750	8.70	52.15
K-00812	2.80	11.20	K-02625	5.00	20.15	K-06000	8.80	52.55
K-00875	2.50	9.90	K-02750	4.50	18.00	K-06250	10.45	63.00
K-00937	2.95	11.70	K-02875	5.50	22.05	K-06500	9.55	57.00
K-01000	2.55	10.15	K-03000	5.20	20.55	K-06750	11.75	70.50
K-01063	3.00	12.00	K-03125	5.95	23.85	K-07000	10.60	63.35
K-01125	2.65	10.45	K-03250	5.85	23.20	K-07500	11.05	66.10
K-01187	3.05	12.20	K-03375	6.75	26.95	K-08000	12.10	71.55
K-01250	2.80	11.20	K-03500	6.40	25.40	K-08500	12.20	73.00
K-01312	3.35	13.40	K-03625	6.65	26.50	K-09000	13.60	81.55
K-01375	3.05	12.00	K-03687	7.60	30.50	K-09500	13.90	83.25
K-01437	3.50	13.90	K-03750	6.85	27.40	K-10000	14.60	87.20
K-01500	3.20	12.65	K-03875	7.95	31.90			
K-01625	3.25	12.90	K-04000	7.00	28.05			
K-01687	3.80	15.05	K-04125	8.10	32.50			
K-01750	3.50	13.65	K-04250	7.10	28.45			
K-01812	3.95	15.85	K-04375	8.20	33.05			
K-01875	3.55	14.10	K-04500	8.15	32.45			
K-01937	4.10	16.45	K-04625	9.35	37.65			
K-02000	3.60	14.35	K-04750	8.35	33.10			

K SERIES - CAT X-REF - AU 90A

K - Rod Wipers
Polyurethane AU 90A





Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-3E4124	1.000	+.000 / -.002	1.000			1.080	+.010 / -.010	1.390	+.003 / -.003	0.190	+.002 / -.002	2.95
RCAT-3E4125	1.250	+.000 / -.002	1.250			1.330	+.010 / -.010	1.640	+.003 / -.003	0.190	+.002 / -.002	3.50
RCAT-3E4126	1.500	+.000 / -.002	1.500			1.580	+.010 / -.010	1.890	+.003 / -.003	0.190	+.002 / -.002	3.85
RCAT-3E4127	1.750	+.000 / -.002	1.750			1.830	+.010 / -.010	2.140	+.003 / -.003	0.190	+.002 / -.002	4.60
RCAT-3E4128	2.000	+.000 / -.002	2.000			2.080	+.010 / -.010	2.390	+.003 / -.003	0.190	+.002 / -.002	4.95
RCAT-3E4129	2.250	+.000 / -.002	2.250			2.410	+.010 / -.010	2.760	+.003 / -.003	0.260	+.002 / -.002	5.85

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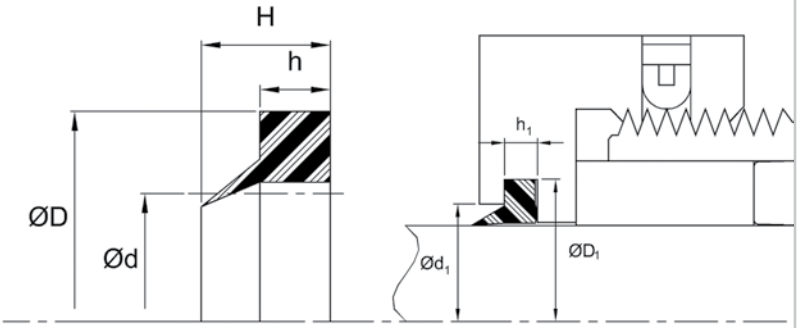
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-3E4130	2.500	+.000 / -.002	2.500			2.660	+.010 / -.010	3.010	+.003 / -.003	0.260	+.002 / -.002	6.25
RCAT-3E4131	2.625	+.000 / -.002	2.625			2.780	+.010 / -.010	3.140	+.003 / -.003	0.260	+.002 / -.002	7.55
RCAT-3E4132	2.750	+.000 / -.002	2.750			2.910	+.010 / -.010	3.260	+.003 / -.003	0.260	+.002 / -.002	8.30
RCAT-3E4133	3.000	+.000 / -.002	3.000			3.160	+.010 / -.010	3.510	+.003 / -.003	0.260	+.002 / -.002	8.70
RCAT-3E4134	3.500	+.000 / -.002	3.500			3.660	+.010 / -.010	4.010	+.003 / -.003	0.260	+.002 / -.002	10.70
RCAT-3E4135	4.000	+.000 / -.002	4.000			4.160	+.010 / -.010	4.510	+.003 / -.003	0.260	+.002 / -.002	12.50
RCAT-3E4136	4.500	+.000 / -.003	4.500			4.660	+.010 / -.010	5.010	+.003 / -.003	0.260	+.002 / -.002	13.45
RCAT-3E4137	5.000	+.000 / -.003	5.000			5.160	+.010 / -.010	5.510	+.003 / -.003	0.260	+.002 / -.002	14.15

RCI - Rod Wipers

Hytrel 92A



REF: COMMERCIAL INTERTECH TELESCOPIIC CYLINDERS



Temperature: -40/300F [-40/149C] **Pressure: N/A**

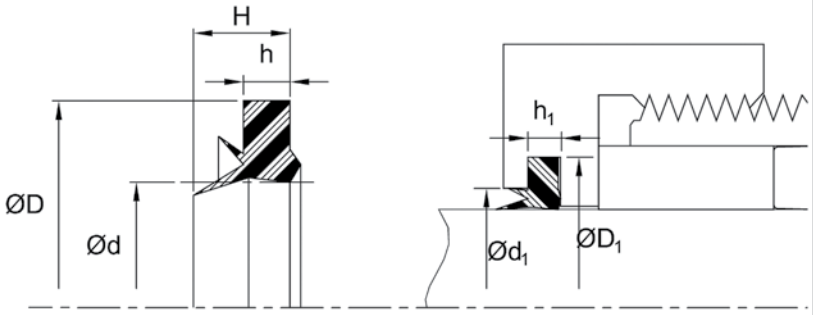
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCI-02750W	2.750	+.000 / -.003	2.750	3.125	0.170							5.00
RCI-03750W	3.750	+.000 / -.004	3.750	4.125	0.170							5.70
RCI-04750W	4.750	+.000 / -.005	4.750	5.125	0.170							10.90
RCI-05750W	5.750	+.000 / -.005	5.750	6.125	0.170							12.20
RCI-06750W	6.750	+.000 / -.005	6.750	7.125	0.170							13.25
RCI-07905W	7.905	+.000 / -.005	7.905	8.280	0.170							15.30
RCI-09375W	9.375	+.000 / -.005	9.375	9.750	0.170							18.90

RHYC - Rod Wipers

Hytrel 92A

REF: HYCO TELESCOPIC CYLINDERS





Temperature: -40/300F [-40/149C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RHYC-03000W	3.000	+.000 / -.003	3.000	3.500	0.125	3.300	+.005 / -.000	3.530	+.004 / -.000	0.139	+.004 / -.004	7.85
RHYC-04000W	4.000	+.000 / -.004	4.000	4.500	0.125	4.300	+.005 / -.000	4.530	+.004 / -.000	0.139	+.004 / -.004	9.90
RHYC-05000W	5.000	+.000 / -.005	5.000	5.500	0.125	5.300	+.005 / -.000	5.530	+.005 / -.000	0.139	+.004 / -.004	12.00
RHYC-06000W	6.000	+.000 / -.005	6.000	6.500	0.125	6.300	+.005 / -.000	6.530	+.005 / -.000	0.139	+.004 / -.004	13.75
RHYC-07000W	7.000	+.000 / -.005	7.000	7.500	0.125	7.300	+.005 / -.000	7.530	+.005 / -.000	0.139	+.004 / -.004	15.50
RHYC-08000W	8.000	+.000 / -.005	8.000	8.500	0.125	8.300	+.005 / -.000	8.530	+.005 / -.000	0.139	+.004 / -.004	17.20
RHYC-08125W	8.125	+.000 / -.005	8.125	8.625	0.125	8.425	+.005 / -.000	8.655	+.005 / -.000	0.139	+.004 / -.004	18.35
RHYC-08250W	8.250	+.000 / -.005	8.250	8.750	0.125	8.550	+.005 / -.000	8.780	+.005 / -.000	0.139	+.004 / -.004	22.15
RHYC-09000W	9.000	+.000 / -.005	9.000	9.500	0.125	9.300	+.005 / -.000	9.530	+.005 / -.000	0.139	+.004 / -.004	22.90
RHYC-09125W	9.125	+.000 / -.005	9.125	9.625	0.125	9.425	+.005 / -.000	9.655	+.005 / -.000	0.139	+.004 / -.004	24.05
RHYC-09375W	9.375	+.000 / -.005	9.375	9.875	0.125	9.675	+.005 / -.000	9.905	+.005 / -.000	0.139	+.004 / -.004	25.80
RHYC-09750W	9.750	+.000 / -.005	9.750	10.250	0.125	10.050	+.005 / -.000	10.280	+.005 / -.000	0.139	+.004 / -.004	29.90



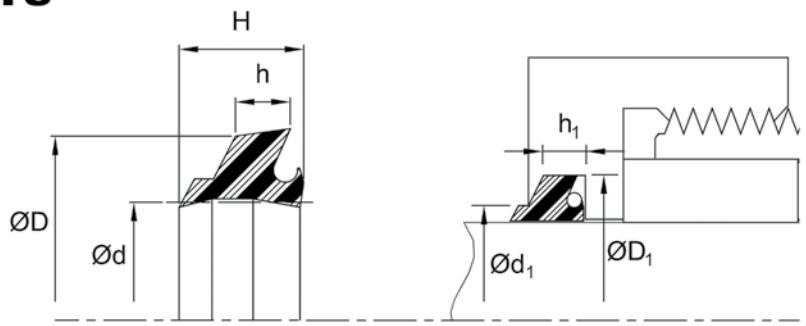
www.sealsonline.com

RHYS - Rod Wipers

Polyurethane AU 90A

REF: HYSTER FORK LIFT CYLINDERS





Temperature: -40/189F [-40/87C] **Pressure: N/A**

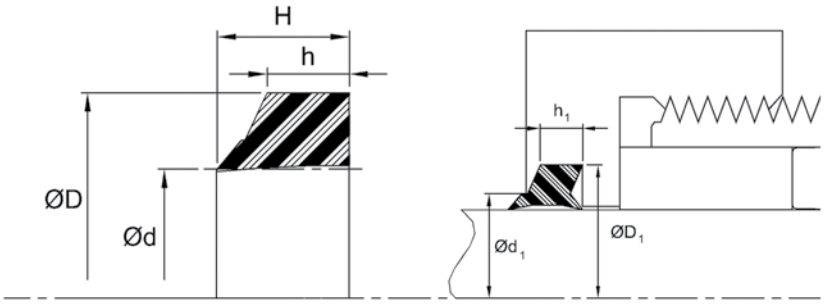
Ref.Number	Rod Diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RHYS-605606	1.950 +.000 / -.002	1.950	2.562	0.187							80.85
RHYS-605607	2.200 +.000 / -.002	2.200	2.812	0.187							70.35
RHYS-605609	2.700 +.000 / -.003	2.700	3.312	0.187							198.55
RHYS-605610	2.900 +.000 / -.003	2.900	3.512	0.187							63.55
RHYS-605611	3.200 +.000 / -.004	3.200	3.812	0.187							16.70
RHYS-994291	3.690 +.000 / -.004	3.690	4.312	0.187							O/R
RHYS-605613	3.700 +.000 / -.004	3.700	4.312	0.187							49.90
RHYS-605614	3.950 +.000 / -.004	3.950	4.562	0.187							72.20
RHYS-605615	4.200 +.000 / -.005	4.200	4.812	0.187							128.45
RHYS-605616	4.400 +.000 / -.005	4.400	5.012	0.187							78.10
RHYS-605617	4.700 +.000 / -.005	4.700	5.312	0.187							110.25

RPG - Rod Wipers

Hytrel 92A

REF: PEABODY GALION TELESCOPIC CYLINDERS





Temperature: -40/300F [-40/149C] **Pressure: N/A**

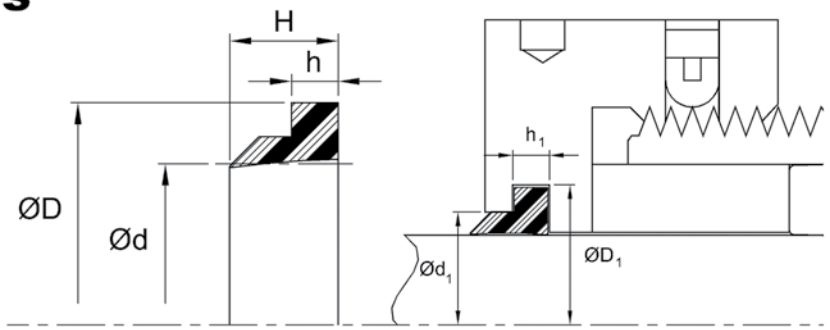
Ref.Number	Rod Diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RPG-01970W	1.970 +.000 / -.002	1.970	2.270	0.170							6.45
RPG-02970W	2.970 +.000 / -.003	2.970	3.270	0.170							7.95
RPG-03970W	3.970 +.000 / -.004	3.970	4.270	0.170							10.15
RPG-04970W	4.970 +.000 / -.005	4.970	5.270	0.170							11.45
RPG-05970W	5.970 +.000 / -.005	5.970	6.270	0.170							13.00
RPG-06970W	6.970 +.000 / -.005	6.970	7.270	0.170							14.30
RPG-07970W	7.970 +.000 / -.005	7.970	8.270	0.170							15.60
RPG-09125W	9.125 +.000 / -.005	9.125	9.465	0.170							18.70

RPC - Rod Wipers

Hytrel 92A

REF: PERFECTION COBEY TELESCOPIC CYLINDERS





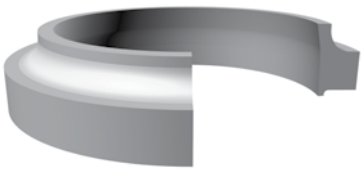
Temperature: -40/300F [-40/149C] **Pressure: N/A**

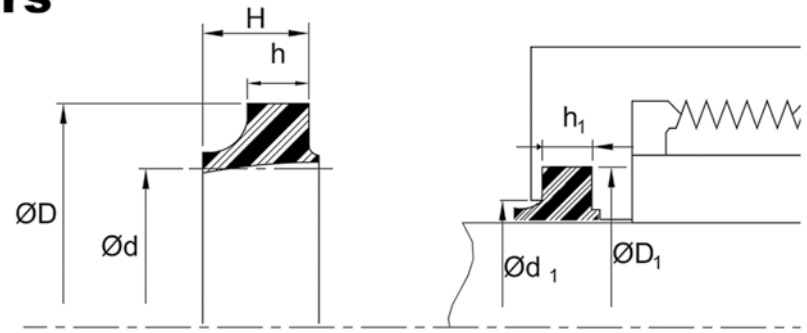
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RPC-02580W	2.580	+.000 / -.003	2.580	2.980	0.190							7.75
RPC-03580W	3.580	+.000 / -.004	3.580	3.980	0.190							8.90
RPC-04580W	4.580	+.000 / -.005	4.580	5.080	0.190							8.90
RPC-05445W	5.445	+.000 / -.005	5.445	5.945	0.190							11.20
RPC-06445W	6.445	+.000 / -.005	6.445	6.945	0.190							13.15
RPC-07445W	7.445	+.000 / -.005	7.445	7.945	0.190							14.00
RPC-08445W	8.445	+.000 / -.005	8.445	8.945	0.190							16.00

RTRA - Rod Wipers

Hytrel 92A

REF: TRAILMOBILE TELESCOPIC CYLINDERS





Temperature: -40/300F [-40/149C] **Pressure: N/A**

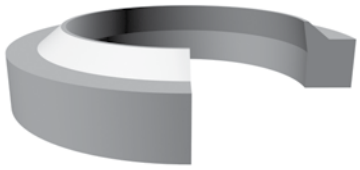
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RTRA-03375W	3.375	+.000 / -.004	3.375	3.750	0.165							28.70
RTRA-04250W	4.250	+.000 / -.005	4.250	4.625	0.165							34.40
RTRA-05125W	5.125	+.000 / -.005	5.125	5.500	0.165							37.95
RTRA-06000W	6.000	+.000 / -.005	6.000	6.375	0.165							42.05
RTRA-07000W	7.000	+.000 / -.005	7.000	7.375	0.165							49.70
RTRA-08000W	8.000	+.000 / -.005	8.000	8.375	0.165							57.30
RTRA-08250W	8.250	+.000 / -.005	8.250	8.625	0.165							60.25
RTRA-09625W	9.625	+.000 / -.005	9.625	10.000	0.165							68.50

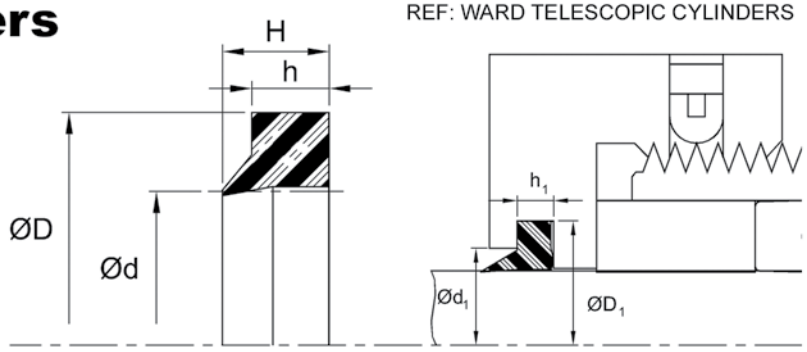
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RWAR - Rod Wipers

Polyurethane AU 90A

REF: WARD TELESCOPIC CYLINDERS



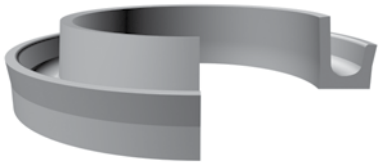


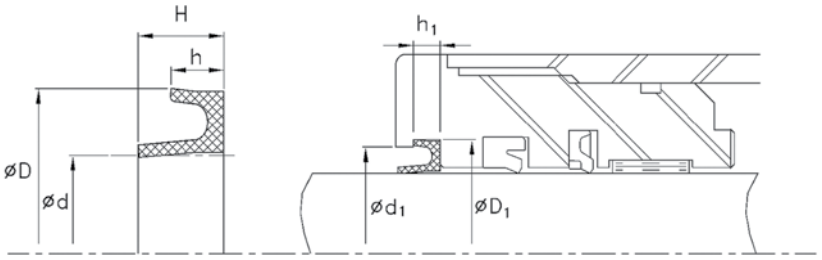
Temperature: -40/189F [-40/87C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RWAR-02950W	2.950	+.000 / -.003	2.950	3.325	0.195							8.15
RWAR-03950W	3.950	+.000 / -.004	3.950	4.325	0.195							9.60
RWAR-04950W	4.950	+.000 / -.005	4.950	5.325	0.195							11.80
RWAR-05950W	5.950	+.000 / -.005	5.950	6.325	0.195							12.90
RWAR-06950W	6.950	+.000 / -.005	6.950	7.325	0.195							14.00
RWAR-07950W	7.950	+.000 / -.005	7.950	8.325	0.195							15.75
RWAR-08950W	8.950	+.000 / -.005	8.950	9.325	0.195							18.15

WY - Rod Wipers

Nylon





Temperature: -40/212F [-40/100C] **Pressure:**

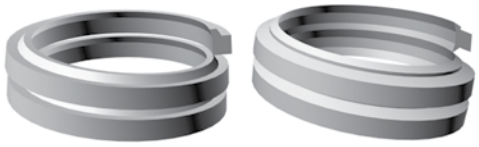
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
WY-00500	0.500	+.000 / -.002	0.500	0.875	0.156	0.812	+.002 / -.000	0.875	+.002 / -.000	0.172	+.005 / -.000	5.15
WY-00625	0.625	+.000 / -.002	0.625	1.000	0.156	0.937	+.002 / -.000	1.000	+.002 / -.000	0.172	+.005 / -.000	5.25
WY-00750	0.750	+.000 / -.002	0.750	1.250	0.218	1.187	+.002 / -.000	1.250	+.002 / -.000	0.234	+.005 / -.000	5.30
WY-00875	0.875	+.000 / -.002	0.875	1.375	0.218	1.312	+.002 / -.000	1.375	+.002 / -.000	0.234	+.005 / -.000	5.50
WY-01000	1.000	+.000 / -.002	1.000	1.500	0.218	1.437	+.002 / -.000	1.500	+.002 / -.000	0.234	+.005 / -.000	5.60
WY-01125	1.125	+.000 / -.002	1.125	1.625	0.218	1.562	+.002 / -.000	1.625	+.002 / -.000	0.234	+.005 / -.000	5.80
WY-01250	1.250	+.000 / -.002	1.250	1.750	0.218	1.687	+.002 / -.000	1.750	+.002 / -.000	0.234	+.005 / -.000	5.90
WY-01375	1.375	+.000 / -.002	1.375	1.875	0.218	1.812	+.002 / -.000	1.875	+.002 / -.000	0.234	+.005 / -.000	6.30

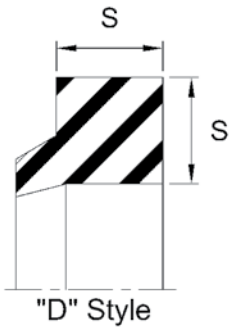
WY SERIES - NYLON

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
WY-01500	1.500	+.000 / -.002	1.500	2.000	0.218	1.937	+.002 / -.000	2.000	+.002 / -.000	0.234	+.005 / -.000	6.35
WY-01750	1.750	+.000 / -.002	1.750	2.250	0.218	2.187	+.002 / -.000	2.250	+.002 / -.000	0.234	+.005 / -.000	6.80
WY-02000	2.000	+.000 / -.002	2.000	2.500	0.218	2.437	+.002 / -.000	2.500	+.002 / -.000	0.234	+.005 / -.000	7.25
WY-02250	2.250	+.000 / -.002	2.250	2.750	0.218	2.687	+.002 / -.000	2.750	+.002 / -.000	0.234	+.005 / -.000	8.15
WY-02500	2.500	+.000 / -.002	2.500	3.000	0.218	2.937	+.002 / -.000	3.000	+.002 / -.000	0.234	+.005 / -.000	8.95
WY-02750	2.750	+.000 / -.002	2.750	3.250	0.218	3.187	+.002 / -.000	3.250	+.002 / -.000	0.234	+.005 / -.000	9.70
WY-03000	3.000	+.000 / -.002	3.000	3.500	0.218	3.437	+.002 / -.000	3.500	+.002 / -.000	0.234	+.005 / -.000	10.25
WY-03250	3.250	+.000 / -.002	3.250	3.750	0.218	3.687	+.002 / -.000	3.750	+.002 / -.000	0.234	+.005 / -.000	11.20
WY-03500	3.500	+.000 / -.002	3.500	4.000	0.218	3.937	+.002 / -.000	4.000	+.002 / -.000	0.234	+.005 / -.000	12.15
WY-04000	4.000	+.000 / -.002	4.000	4.500	0.218	3.437	+.002 / -.000	4.500	+.002 / -.000	0.234	+.005 / -.000	14.25

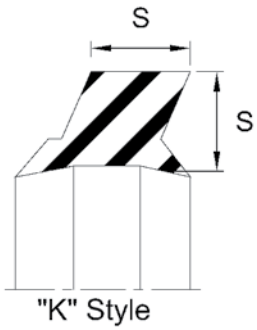
D & K WIPER CORD

Nitrile 85A





"D" Style



"K" Style

Temperature: -30/250F [-34/121C]

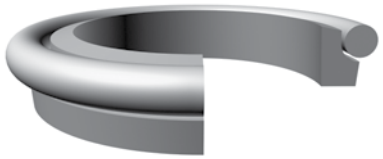
Pressure: N/A

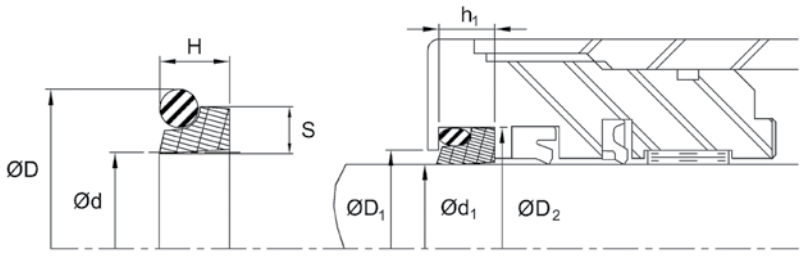
Ref.Number	Rod Diameter	Nominal Seal Dimensions		Housing Dimensions	$ Per
	Tol.	S	Tol.		Foot
WC-00156K		0.156	+.010 / -.010		1.90
WC-00187D		0.187	+.013 / -.013		2.20
WC-00187K		0.187	+.013 / -.013		2.20
WC-00250K		0.250	+.016 / -.016		2.50

INCREMENT OF 1 FT.

EX1 - Rod Wipers

40%BR.PTFE/Nitrile





Temperature: -30/250F [-34/121C] **Pressure: N/A**

Ref.Number	Rod Diameter	Nominal Seal Dimensions				Housing Dimensions						$
	Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX1-00250	0.250 +.000 / -.002	0.250				0.356	+.000 / -.005	0.436	+.002 / -.000	0.144	+.005 / -.000	31.05
EX1-00312	0.312 +.000 / -.002	0.312			-012	0.418	+.000 / -.005	0.498	+.002 / -.000	0.144	+.005 / -.000	32.50
EX1-00375	0.375 +.000 / -.002	0.375			-013	0.481	+.000 / -.005	0.561	+.002 / -.000	0.144	+.005 / -.000	33.90
EX1-00437	0.437 +.000 / -.002	0.437				0.543	+.000 / -.005	0.623	+.002 / -.000	0.144	+.005 / -.000	35.35
EX1-00500	0.500 +.000 / -.002	0.500			-113	0.637	+.000 / -.005	0.766	+.002 / -.000	0.195	+.005 / -.000	36.75
EX1-00500LD	0.500 +.000 / -.002	0.500			-015	0.606	+.000 / -.005	0.686	+.002 / -.000	0.144	+.005 / -.000	36.75
EX1-00562	0.562 +.000 / -.002	0.562				0.699	+.000 / -.005	0.828	+.002 / -.000	0.195	+.005 / -.000	38.20
EX1-00562LD	0.562 +.000 / -.002	0.562				0.668	+.000 / -.005	0.748	+.002 / -.000	0.144	+.005 / -.000	38.20
EX1-00625	0.625 +.000 / -.002	0.625			-115	0.762	+.000 / -.005	0.891	+.002 / -.000	0.195	+.005 / -.000	39.60
EX1-00625LD	0.625 +.000 / -.002	0.625			-017	0.731	+.000 / -.005	0.811	+.002 / -.000	0.144	+.005 / -.000	39.60
EX1-00687	0.687 +.000 / -.002	0.687			-116	0.824	+.000 / -.005	0.953	+.002 / -.000	0.195	+.005 / -.000	40.40
EX1-00687LD	0.687 +.000 / -.002	0.687			-018	0.793	+.000 / -.005	0.873	+.002 / -.000	0.144	+.005 / -.000	40.40
EX1-00750	0.750 +.000 / -.002	0.750			-117	0.887	+.000 / -.005	1.016	+.002 / -.000	0.195	+.005 / -.000	41.00
EX1-00750LD	0.750 +.000 / -.002	0.750			-019	0.856	+.000 / -.005	0.936	+.002 / -.000	0.144	+.005 / -.000	41.00
EX1-00812	0.812 +.000 / -.002	0.812				0.949	+.000 / -.005	1.078	+.002 / -.000	0.195	+.005 / -.000	41.60
EX1-00812LD	0.812 +.000 / -.002	0.812				0.918	+.000 / -.005	0.998	+.002 / -.000	0.144	+.005 / -.000	41.60
EX1-00875	0.875 +.000 / -.002	0.875			-119	1.012	+.000 / -.005	1.141	+.002 / -.000	0.195	+.005 / -.000	42.30
EX1-00875LD	0.875 +.000 / -.002	0.875			-021	0.981	+.000 / -.005	1.061	+.002 / -.000	0.144	+.005 / -.000	42.30
EX1-00937	0.937 +.000 / -.002	0.937				1.074	+.000 / -.005	1.203	+.002 / -.000	0.195	+.005 / -.000	42.95
EX1-00937LD	0.937 +.000 / -.002	0.937				1.043	+.000 / -.005	1.123	+.002 / -.000	0.144	+.005 / -.000	42.95
EX1-01000	1.000 +.000 / -.002	1.000			-121	1.137	+.000 / -.005	1.266	+.002 / -.000	0.195	+.005 / -.000	43.60
EX1-01000LD	1.000 +.000 / -.002	1.000			-023	1.106	+.000 / -.005	1.186	+.002 / -.000	0.144	+.005 / -.000	43.60
EX1-01062	1.062 +.000 / -.002	1.062				1.199	+.000 / -.005	1.328	+.002 / -.000	0.195	+.005 / -.000	44.35
EX1-01062LD	1.062 +.000 / -.002	1.062				1.168	+.000 / -.005	1.248	+.002 / -.000	0.144	+.005 / -.000	44.35
EX1-01125	1.125 +.000 / -.002	1.125			-123	1.262	+.000 / -.005	1.391	+.002 / -.000	0.195	+.005 / -.000	45.05
EX1-01125LD	1.125 +.000 / -.002	1.125			-025	1.231	+.000 / -.005	1.311	+.002 / -.000	0.144	+.005 / -.000	45.05
EX1-01187	1.187 +.000 / -.002	1.187				1.324	+.000 / -.005	1.453	+.002 / -.000	0.195	+.005 / -.000	45.85
EX1-01187LD	1.187 +.000 / -.002	1.187				1.293	+.000 / -.005	1.373	+.002 / -.000	0.144	+.005 / -.000	45.85
EX1-01250	1.250 +.000 / -.002	1.250			-125	1.387	+.000 / -.005	1.516	+.002 / -.000	0.195	+.005 / -.000	46.50
EX1-01250LD	1.250 +.000 / -.002	1.250			-027	1.356	+.000 / -.005	1.436	+.002 / -.000	0.144	+.005 / -.000	46.50
EX1-01312	1.312 +.000 / -.002	1.312				1.449	+.000 / -.005	1.578	+.002 / -.000	0.195	+.005 / -.000	47.45
EX1-01312LD	1.312 +.000 / -.002	1.312				1.418	+.000 / -.005	1.498	+.002 / -.000	0.144	+.005 / -.000	47.45
EX1-01375	1.375 +.000 / -.002	1.375			-127	1.512	+.000 / -.005	1.641	+.002 / -.000	0.195	+.005 / -.000	48.30
EX1-01375LD	1.375 +.000 / -.002	1.375			-028	1.481	+.000 / -.005	1.561	+.002 / -.000	0.144	+.005 / -.000	48.30
EX1-01437	1.437 +.000 / -.002	1.437				1.574	+.000 / -.005	1.703	+.002 / -.000	0.195	+.005 / -.000	49.20
EX1-01437LD	1.437 +.000 / -.002	1.437				1.543	+.000 / -.005	1.623	+.002 / -.000	0.144	+.005 / -.000	49.20
EX1-01500	1.500 +.000 / -.002	1.500			-129	1.637	+.000 / -.005	1.766	+.002 / -.000	0.195	+.005 / -.000	50.15
EX1-01500LD	1.500 +.000 / -.002	1.500			-029	1.606	+.000 / -.005	1.686	+.002 / -.000	0.144	+.005 / -.000	50.15

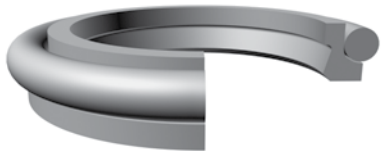
EX1 SERIES - BR.PTFE/NBR

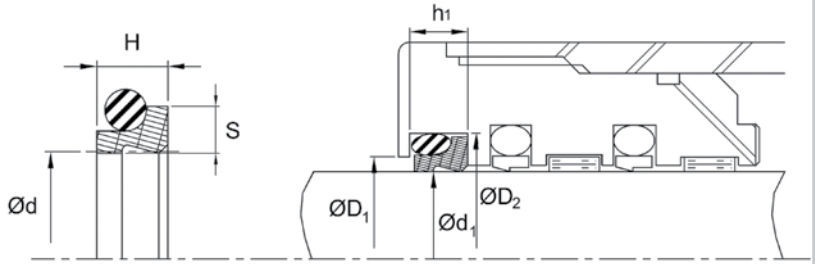
Ref.Number	Rod Diameter	Nominal Seal Dimensions				Housing Dimensions						$
	Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX1-01625	1.625 +.000 / -.002	1.625				1.762	+.000 / -.005	1.891	+.002 / -.000	0.195	+.005 / -.000	50.95
EX1-01625LD	1.625 +.000 / -.002	1.625				1.731	+.000 / -.005	1.811	+.002 / -.000	0.144	+.005 / -.000	50.95
EX1-01750	1.750 +.000 / -.002	1.750			-133	1.887	+.000 / -.005	2.016	+.002 / -.000	0.195	+.005 / -.000	51.95
EX1-01750LD	1.750 +.000 / -.002	1.750			-031	1.856	+.000 / -.005	1.936	+.002 / -.000	0.144	+.005 / -.000	51.95
EX1-01875	1.875 +.000 / -.002	1.875				2.012	+.000 / -.005	2.141	+.002 / -.000	0.195	+.005 / -.000	53.35
EX1-01875LD	1.875 +.000 / -.002	1.875				1.981	+.000 / -.005	2.061	+.002 / -.000	0.144	+.005 / -.000	53.35
EX1-02000	2.000 +.000 / -.002	2.000			-137	2.137	+.000 / -.005	2.266	+.002 / -.000	0.195	+.005 / -.000	54.65
EX1-02000LD	2.000 +.000 / -.002	2.000			-033	2.106	+.000 / -.005	2.187	+.002 / -.000	0.144	+.005 / -.000	54.65
EX1-02125	2.125 +.000 / -.002	2.125				2.262	+.000 / -.005	2.391	+.002 / -.000	0.195	+.005 / -.000	56.15
EX1-02125LD	2.125 +.000 / -.002	2.125				2.231	+.000 / -.005	2.311	+.002 / -.000	0.144	+.005 / -.000	56.15
EX1-02250	2.250 +.000 / -.002	2.250			-141	2.387	+.000 / -.005	2.516	+.002 / -.000	0.195	+.005 / -.000	57.45
EX1-02250LD	2.250 +.000 / -.002	2.250			-035	2.356	+.000 / -.005	2.436	+.002 / -.000	0.144	+.005 / -.000	57.45
EX1-02375	2.375 +.000 / -.002	2.375				2.512	+.000 / -.005	2.641	+.002 / -.000	0.195	+.005 / -.000	58.85
EX1-02375LD	2.375 +.000 / -.002	2.375				2.481	+.000 / -.005	2.561	+.002 / -.000	0.144	+.005 / -.000	58.85
EX1-02500	2.500 +.000 / -.002	2.500			-145	2.637	+.000 / -.005	2.766	+.002 / -.000	0.195	+.005 / -.000	60.30
EX1-02500LD	2.500 +.000 / -.002	2.500			-037	2.606	+.000 / -.005	2.686	+.002 / -.000	0.144	+.005 / -.000	60.30
EX1-02625	2.625 +.000 / -.002	2.625				2.782	+.000 / -.005	2.971	+.002 / -.000	0.240	+.005 / -.000	61.95
EX1-02750	2.750 +.000 / -.002	2.750			-233	2.907	+.000 / -.005	3.096	+.002 / -.000	0.240	+.005 / -.000	63.30
EX1-02875	2.875 +.000 / -.002	2.875				3.032	+.000 / -.005	3.221	+.002 / -.000	0.240	+.005 / -.000	64.45
EX1-03000	3.000 +.000 / -.003	3.000			-235	3.157	+.000 / -.005	3.345	+.002 / -.000	0.240	+.005 / -.000	65.55
EX1-03125	3.125 +.000 / -.003	3.125				3.282	+.000 / -.005	3.470	+.002 / -.000	0.240	+.005 / -.000	66.75
EX1-03250	3.250 +.000 / -.003	3.250				3.407	+.000 / -.005	3.595	+.002 / -.000	0.240	+.005 / -.000	67.90
EX1-03375	3.375 +.000 / -.003	3.375				3.532	+.000 / -.005	3.720	+.002 / -.000	0.240	+.005 / -.000	69.10
EX1-03500	3.500 +.000 / -.003	3.500			-239	3.657	+.000 / -.005	3.845	+.002 / -.000	0.240	+.005 / -.000	70.20
EX1-03625	3.625 +.000 / -.003	3.625				3.782	+.000 / -.005	3.970	+.002 / -.000	0.240	+.005 / -.000	71.35
EX1-03750	3.750 +.000 / -.003	3.750				3.907	+.000 / -.005	4.095	+.002 / -.000	0.240	+.005 / -.000	72.50
EX1-03875	3.875 +.000 / -.003	3.875				4.032	+.000 / -.005	4.220	+.002 / -.000	0.240	+.005 / -.000	74.25
EX1-04000	4.000 +.000 / -.005	4.000			-243	4.157	+.000 / -.005	4.345	+.002 / -.000	0.240	+.005 / -.000	76.20
EX1-04125	4.125 +.000 / -.005	4.125				4.282	+.000 / -.005	4.470	+.002 / -.000	0.240	+.005 / -.000	78.20
EX1-04250	4.250 +.000 / -.005	4.250				4.407	+.000 / -.005	4.595	+.002 / -.000	0.240	+.005 / -.000	80.25
EX1-04375	4.375 +.000 / -.005	4.375				4.532	+.000 / -.005	4.720	+.002 / -.000	0.240	+.005 / -.000	82.25
EX1-04500	4.500 +.000 / -.005	4.500			-247	4.657	+.000 / -.005	4.845	+.003 / -.000	0.240	+.005 / -.000	84.35
EX1-04625	4.625 +.000 / -.005	4.625				4.782	+.000 / -.005	4.970	+.003 / -.000	0.240	+.005 / -.000	86.40
EX1-04750	4.750 +.000 / -.005	4.750				4.907	+.000 / -.005	5.095	+.003 / -.000	0.240	+.005 / -.000	88.55
EX1-04875	4.875 +.000 / -.005	4.875				5.032	+.000 / -.005	5.220	+.003 / -.000	0.240	+.005 / -.000	90.50
EX1-05000	5.000 +.000 / -.005	5.000			-251	5.157	+.000 / -.005	5.345	+.003 / -.000	0.240	+.005 / -.000	94.40
EX1-05125	5.125 +.000 / -.005	5.125				5.282	+.000 / -.005	5.470	+.003 / -.000	0.240	+.005 / -.000	95.60
EX1-05250	5.250 +.000 / -.005	5.250				5.407	+.000 / -.005	5.595	+.003 / -.000	0.240	+.005 / -.000	97.25
EX1-05375	5.375 +.000 / -.005	5.375				5.532	+.000 / -.005	5.720	+.003 / -.000	0.240	+.005 / -.000	98.85
EX1-05500	5.500 +.000 / -.005	5.500			-255	5.657	+.000 / -.005	5.845	+.003 / -.000	0.240	+.005 / -.000	100.05
EX1-05625	5.625 +.000 / -.005	5.625				5.782	+.000 / -.005	5.970	+.003 / -.000	0.240	+.005 / -.000	101.60
EX1-05750	5.750 +.000 / -.005	5.750				5.907	+.000 / -.005	6.095	+.003 / -.000	0.240	+.005 / -.000	102.35
EX1-05875	5.875 +.000 / -.005	5.875				6.032	+.000 / -.005	6.220	+.003 / -.000	0.240	+.005 / -.000	103.60
EX1-06000	6.000 +.000 / -.005	6.000			-258	6.157	+.000 / -.005	6.345	+.003 / -.000	0.240	+.005 / -.000	104.00
EX1-06250	6.250 +.000 / -.005	6.250				6.407	+.000 / -.005	6.595	+.003 / -.000	0.240	+.005 / -.000	109.85
EX1-06500	6.500 +.000 / -.005	6.500				6.657	+.000 / -.005	6.845	+.003 / -.000	0.240	+.005 / -.000	115.80
EX1-06750	6.750 +.000 / -.005	6.750				6.907	+.000 / -.005	7.095	+.003 / -.000	0.240	+.005 / -.000	121.60
EX1-07000	7.000 +.000 / -.005	7.000			-262	7.157	+.000 / -.005	7.345	+.003 / -.000	0.240	+.005 / -.000	127.45

Ref.Number	Rod Diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX1-07250	7.250	+.000 / -.005	7.250				7.407	+.000 / -.005	7.595	+.003 / -.000	0.240	+.005 / -.000	129.30
EX1-07500	7.500	+.000 / -.005	7.500				7.657	+.000 / -.005	7.845	+.003 / -.000	0.240	+.005 / -.000	131.20
EX1-07750	7.750	+.000 / -.005	7.750				7.907	+.000 / -.005	8.045	+.003 / -.000	0.240	+.005 / -.000	133.15
EX1-08000	8.000	+.000 / -.005	8.000			-266	8.157	+.000 / -.005	8.345	+.005 / -.000	0.240	+.005 / -.000	135.15
EX1-08500	8.500	+.000 / -.005	8.500			-268	8.657	+.000 / -.005	8.845	+.005 / -.000	0.240	+.005 / -.000	135.15
EX1-09000	9.000	+.000 / -.005	9.000			-270	9.157	+.000 / -.005	9.345	+.005 / -.000	0.240	+.005 / -.000	152.60
EX1-09500	9.500	+.000 / -.005	9.500				9.657	+.000 / -.005	9.845	+.005 / -.000	0.240	+.005 / -.000	175.70
EX1-10000	10.000	+.000 / -.005	10.000			-274	10.157	+.000 / -.005	10.345	+.005 / -.000	0.240	+.005 / -.000	198.95

EX2 - Rod Wipers

40%BR.PTFE/Nitrile





Temperature: -30/250F [-34/121C] **Pressure: N/A**

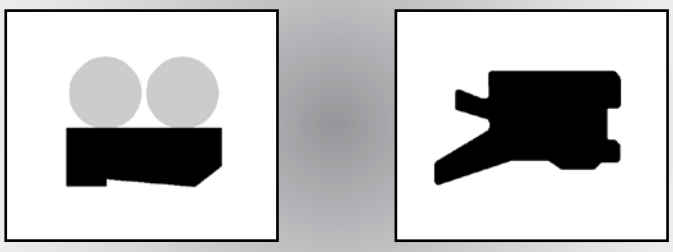
Ref.Number	Rod Diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX2-00312	0.312	+.000 / -.001	0.312	0.076	0.126	-012	0.373	+.004 / -.000	0.503	+.001 / -.000	0.146	+.008 /-.000	31.05
EX2-00375	0.375	+.000 / -.001	0.375	0.076	0.126	-013	0.435	+.004 / -.000	0.565	+.001 / -.000	0.146	+.008 /-.000	31.05
EX2-00437	0.437	+.000 / -.002	0.437	0.076	0.126	-014	0.497	+.004 / -.000	0.628	+.002 / -.000	0.146	+.008 /-.000	31.05
EX2-00500	0.500	+.000 / -.002	0.500	0.076	0.126	-015	0.560	+.004 / -.000	0.690	+.002 / -.000	0.146	+.008 /-.000	31.05
EX2-00500HD	0.500	+.000 / -.002	0.500	0.116	0.176	-113	0.560	+.004 / -.000	0.770	+.002 / -.000	0.196	+.008 /-.000	31.05
EX2-00562	0.562	+.000 / -.002	0.562	0.076	0.126	-016	0.622	+.004 / -.000	0.753	+.002 / -.000	0.146	+.008 /-.000	31.05
EX2-00562HD	0.562	+.000 / -.002	0.562	0.116	0.176	-114	0.622	+.004 / -.000	0.833	+.002 / -.000	0.196	+.008 /-.000	31.05
EX2-00625	0.625	+.000 / -.002	0.625	0.076	0.126	-017	0.685	+.004 / -.000	0.815	+.002 / -.000	0.146	+.008 /-.000	31.05
EX2-00625HD	0.625	+.000 / -.002	0.625	0.116	0.176	-115	0.685	+.004 / -.000	0.895	+.002 / -.000	0.196	+.008 /-.000	31.05
EX2-00687	0.687	+.000 / -.002	0.687	0.076	0.126	-018	0.747	+.004 / -.000	0.878	+.002 / -.000	0.146	+.008 /-.000	31.05
EX2-00687HD	0.687	+.000 / -.002	0.687	0.116	0.176	-116	0.747	+.004 / -.000	0.958	+.002 / -.000	0.196	+.008 /-.000	31.05
EX2-00750	0.750	+.000 / -.002	0.750	0.076	0.126	-019	0.810	+.005 / -.000	0.940	+.002 / -.000	0.146	+.008 /-.000	31.05
EX2-00750HD	0.750	+.000 / -.002	0.750	0.116	0.176	-117	0.810	+.005 / -.000	1.020	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-00812	0.812	+.000 / -.002	0.812	0.076	0.126	-020	0.872	+.005 / -.000	1.003	+.002 / -.000	0.146	+.008 /-.000	41.00
EX2-00812HD	0.812	+.000 / -.002	0.812	0.116	0.176	-118	0.872	+.005 / -.000	1.083	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-00875	0.875	+.000 / -.002	0.875	0.076	0.126	-021	0.935	+.005 / -.000	1.065	+.002 / -.000	0.146	+.008 /-.000	41.00
EX2-00875HD	0.875	+.000 / -.002	0.875	0.116	0.176	-119	0.935	+.005 / -.000	1.145	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-00937	0.937	+.000 / -.002	0.937	0.076	0.126	-022	0.997	+.005 / -.000	1.128	+.002 / -.000	0.146	+.008 /-.000	41.00

EX2 SERIES - BR.PTFE/NBR

Ref.Number	Rod Diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX2-00937HD	0.937	+.000 / -.002	0.937	0.116	0.176	-120	0.997	+.005 / -.000	1.208	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-01000	1.000	+.000 / -.002	1.000	0.076	0.126	-023	1.060	+.005 / -.000	1.190	+.002 / -.000	0.146	+.008 /-.000	41.00
EX2-01000HD	1.000	+.000 / -.002	1.000	0.116	0.176	-121	1.060	+.005 / -.000	1.270	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-01062	1.062	+.000 / -.002	1.062	0.116	0.176	-122	1.122	+.005 / -.000	1.333	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-01125	1.125	+.000 / -.002	1.125	0.116	0.176	-123	1.185	+.005 / -.000	1.395	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-01187	1.187	+.000 / -.002	1.187	0.116	0.176	-124	1.247	+.006 / -.000	1.458	+.002 / -.000	0.196	+.008 /-.000	41.00
EX2-01250	1.250	+.000 / -.002	1.250	0.116	0.176	-125	1.310	+.006 / -.000	1.520	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01312	1.312	+.000 / -.002	1.312	0.116	0.176	-126	1.372	+.006 / -.000	1.583	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01375	1.375	+.000 / -.002	1.375	0.116	0.176	-127	1.435	+.006 / -.000	1.645	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01437	1.437	+.000 / -.002	1.437	0.116	0.176	-128	1.497	+.006 / -.000	1.708	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01500	1.500	+.000 / -.002	1.500	0.116	0.176	-129	1.560	+.006 / -.000	1.770	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01562	1.562	+.000 / -.002	1.562	0.116	0.176	-130	1.622	+.006 / -.000	1.833	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01625	1.625	+.000 / -.002	1.625	0.116	0.176	-131	1.685	+.006 / -.000	1.895	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01687	1.687	+.000 / -.002	1.687	0.116	0.176	-132	1.747	+.006 / -.000	1.958	+.002 / -.000	0.196	+.008 /-.000	46.50
EX2-01750	1.750	+.000 / -.002	1.750	0.116	0.176	-133	1.810	+.006 / -.000	2.020	+.002 / -.000	0.196	+.008 /-.000	51.90
EX2-01812	1.812	+.000 / -.002	1.812	0.116	0.176	-134	1.872	+.006 / -.000	2.083	+.002 / -.000	0.196	+.008 /-.000	51.90
EX2-01875	1.875	+.000 / -.002	1.875	0.116	0.176	-135	1.935	+.006 / -.000	2.145	+.002 / -.000	0.196	+.008 /-.000	51.90
EX2-01937	1.937	+.000 / -.002	1.937	0.116	0.176	-136	1.997	+.006 / -.000	2.208	+.002 / -.000	0.196	+.008 /-.000	51.90
EX2-02000	2.000	+.000 / -.003	2.000	0.116	0.176	-137	2.060	+.007 / -.000	2.270	+.003 / - .000	0.196	+.008 /-.000	51.90
EX2-02125	2.125	+.000 / -.003	2.125	0.116	0.176	-139	2.185	+.007 / -.000	2.395	+.003 / - .000	0.196	+.008 /-.000	51.90
EX2-02250	2.250	+.000 / -.003	2.250	0.116	0.176	-141	2.310	+.007 / -.000	2.520	+.003 / - .000	0.196	+.008 /-.000	57.60
EX2-02375	2.375	+.000 / -.003	2.375	0.116	0.176	-143	2.435	+.007 / -.000	2.645	+.003 / - .000	0.196	+.008 /-.000	57.60
EX2-02500	2.500	+.000 / -.003	2.500	0.116	0.176	-145	2.560	+.007 / -.000	2.770	+.003 / - .000	0.196	+.008 /-.000	57.60
EX2-02625	2.625	+.000 / -.003	2.625	0.116	0.176	-147	2.685	+.007 / -.000	2.895	+.003 / - .000	0.196	+.008 /-.000	57.60
EX2-02750	2.750	+.000 / -.003	2.750	0.116	0.176	-149	2.810	+.007 / -.000	3.020	+.003 / - .000	0.196	+.008 /-.000	63.10
EX2-02875	2.875	+.000 / -.003	2.875	0.116	0.176	-151	2.935	+.007 / -.000	3.145	+.003 / - .000	0.196	+.008 /-.000	63.10
EX2-03000	3.000	+.000 / -.003	3.000	0.116	0.176	-151	3.060	+.007 / -.000	3.270	+.003 / - .000	0.196	+.008 /-.000	63.10
EX2-03125	3.125	+.000 / -.003	3.125	0.116	0.176	-152	3.185	+.007 / -.000	3.395	+.003 / - .000	0.196	+.008 /-.000	63.10
EX2-03250	3.250	+.000 / -.003	3.250	0.116	0.176	-152	3.310	+.009 / -.000	3.520	+.003 / - .000	0.196	+.008 /-.000	63.85
EX2-03375	3.375	+.000 / -.003	3.375	0.116	0.176	-153	3.435	+.009 / -.000	3.645	+.003 / - .000	0.196	+.008 /-.000	63.85
EX2-03500	3.500	+.000 / -.003	3.500	0.116	0.176	-153	3.560	+.009 / -.000	3.770	+.003 / - .000	0.196	+.008 /-.000	63.85
EX2-03625	3.625	+.000 / -.003	3.625	0.116	0.176	-154	3.685	+.009 / -.000	3.895	+.003 / - .000	0.196	+.008 /-.000	63.85
EX2-03750	3.750	+.000 / -.003	3.750	0.116	0.176	-154	3.810	+.009 / -.000	4.020	+.003 / - .000	0.196	+.008 /-.000	69.15
EX2-03875	3.875	+.000 / -.003	3.875	0.116	0.176	-155	3.935	+.009 / -.000	4.145	+.003 / - .000	0.196	+.008 /-.000	69.15
EX2-04000	4.000	+.000 / -.003	4.000	0.116	0.176	-155	4.060	+.009 / -.000	4.270	+.003 / - .000	0.196	+.008 /-.000	69.15
EX2-04125	4.125	+.000 / -.003	4.125	0.116	0.176	-156	4.185	+.009 / -.000	4.395	+.003 / - .000	0.196	+.008 /-.000	69.15
EX2-04250	4.250	+.000 / -.003	4.250	0.116	0.176	-156	4.310	+.009 / -.000	4.520	+.003 / - .000	0.196	+.008 /-.000	76.60
EX2-04375	4.375	+.000 / -.003	4.375	0.116	0.176	-157	4.435	+.009 / -.000	4.645	+.003 / - .000	0.196	+.008 /-.000	76.60
EX2-04500	4.500	+.000 / -.003	4.500	0.116	0.176	-157	4.560	+.009 / -.000	4.770	+.003 / - .000	0.196	+.008 /-.000	76.60
EX2-04625	4.625	+.000 / -.003	4.625	0.116	0.176	-158	4.685	+.009 / -.000	4.895	+.003 / - .000	0.196	+.008 /-.000	76.60
EX2-04750	4.750	+.000 / -.004	4.750	0.116	0.176	-158	4.810	+.010 / -.000	5.020	+.004 / -.000	0.196	+.008 /-.000	81.60
EX2-04875	4.875	+.000 / -.004	4.875	0.116	0.176	-159	4.935	+.010 / -.000	5.145	+.004 / -.000	0.196	+.008 /-.000	81.60
EX2-05000	5.000	+.000 / -.004	5.000	0.116	0.176	-159	5.060	+.010 / -.000	5.270	+.004 / -.000	0.196	+.008 /-.000	81.60
EX2-05125	5.125	+.000 / -.004	5.125	0.116	0.176	-160	5.185	+.010 / -.000	5.395	+.004 / -.000	0.196	+.008 /-.000	81.60
EX2-05250	5.250	+.000 / -.004	5.250	0.116	0.176	-160	5.310	+.010 / -.000	5.520	+.004 / -.000	0.196	+.008 /-.000	92.65
EX2-05375	5.375	+.000 / -.004	5.375	0.116	0.176	-161	5.435	+.010 / -.000	5.645	+.004 / -.000	0.196	+.008 /-.000	92.65
EX2-05500	5.500	+.000 / -.004	5.500	0.116	0.176	-161	5.560	+.010 / -.000	5.770	+.004 / -.000	0.196	+.008 /-.000	92.65
EX2-05625	5.625	+.000 / -.004	5.625	0.116	0.176	-162	5.685	+.010 / -.000	5.895	+.004 / -.000	0.196	+.008 /-.000	92.65

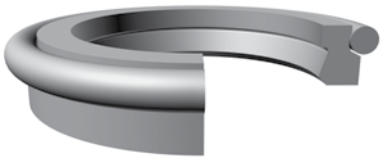
Ref.Number	Rod Diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX2-05750	5.750	+.000 / -.004	5.750	0.116	0.176	-162	5.810	+.010 / -.000	6.020	+.004 / -.000	0.196	+.008 /-.000	98.15
EX2-06000	6.000	+.000 / -.004	6.000	0.116	0.176	-163	6.060	+.010 / -.000	6.270	+.004 / -.000	0.196	+.008 /-.000	109.20
EX2-06000HD	6.000	+.000 / -.004	6.000	0.148	0.216	-258	6.060	+.010 / -.000	6.345	+.004 / -.000	0.236	+.008 /-.000	109.20
EX2-06250	6.250	+.000 / -.004	6.250	0.148	0.216	-259	6.310	+.010 / -.000	6.595	+.004 / -.000	0.236	+.008 /-.000	114.60
EX2-06500	6.500	+.000 / -.004	6.500	0.148	0.216	-260	6.560	+.010 / -.000	6.845	+.004 / -.000	0.236	+.008 /-.000	114.60
EX2-06750	6.750	+.000 / -.004	6.750	0.148	0.216	-261	6.810	+.010 / -.000	7.095	+.004 / -.000	0.236	+.008 /-.000	114.60
EX2-07000	7.000	+.000 / -.004	7.000	0.148	0.216	-262	7.060	+.010 / -.000	7.345	+.004 / -.000	0.236	+.008 /-.000	114.60
EX2-07250	7.250	+.000 / -.005	7.250	0.148	0.216	-263	7.310	+.011 / -.000	7.595	+.005 / -.000	0.236	+.008 /-.000	127.60
EX2-07500	7.500	+.000 / -.005	7.500	0.148	0.216	-264	7.560	+.011 / -.000	7.845	+.005 / -.000	0.236	+.008 /-.000	127.60
EX2-07750	7.750	+.000 / -.005	7.750	0.148	0.216	-265	7.810	+.011 / -.000	8.095	+.005 / -.000	0.236	+.008 /-.000	133.30
EX2-08000	8.000	+.000 / -.005	8.000	0.148	0.216	-266	8.060	+.011 / -.000	8.345	+.005 / -.000	0.236	+.008 /-.000	133.30
EX2-08250	8.250	+.000 / -.005	8.250	0.148	0.216	-267	8.310	+.011 / -.000	8.595	+.005 / -.000	0.236	+.008 /-.000	135.15
EX2-08500	8.500	+.000 / -.005	8.500	0.148	0.216	-268	8.560	+.011 / -.000	8.845	+.005 / -.000	0.236	+.008 /-.000	135.15
EX2-08750	8.750	+.000 / -.005	8.750	0.148	0.216	-269	8.810	+.011 / -.000	9.095	+.005 / -.000	0.236	+.008 /-.000	146.25
EX2-09000	9.000	+.000 / -.005	9.000	0.148	0.216	-270	9.060	+.011 / -.000	9.345	+.005 / -.000	0.236	+.008 /-.000	146.25
EX2-09250	9.250	+.000 / -.005	9.250	0.148	0.216	-271	9.310	+.011 / -.000	9.595	+.005 / -.000	0.236	+.008 /-.000	151.85
EX2-09500	9.500	+.000 / -.005	9.500	0.148	0.216	-272	9.560	+.011 / -.000	9.845	+.005 / -.000	0.236	+.008 /-.000	151.85
EX2-09750	9.750	+.000 / -.005	9.750	0.148	0.216	-273	9.810	+.011 / -.000	10.095	+.005 / -.000	0.236	+.008 /-.000	157.35
EX2-10000	10.000	+.000 / -.005	10.000	0.148	0.216	-274	10.060	+.013 / -.000	10.345	+.005 / -.000	0.236	+.008 /-.000	198.95
EX2-10000HD	10.000	+.000 / -.005	10.000	0.202	0.300	-377	10.080	+.013 / -.000	10.480	+.005 / -.000	0.332	+.008 /-.000	198.95

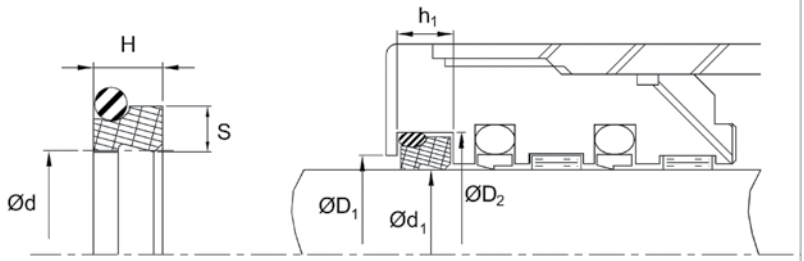
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



EX5 - Rod Wipers

40%BR.PTFE/Nitrile





Temperature: -30/250F [-34/121C] **Pressure: N/A**

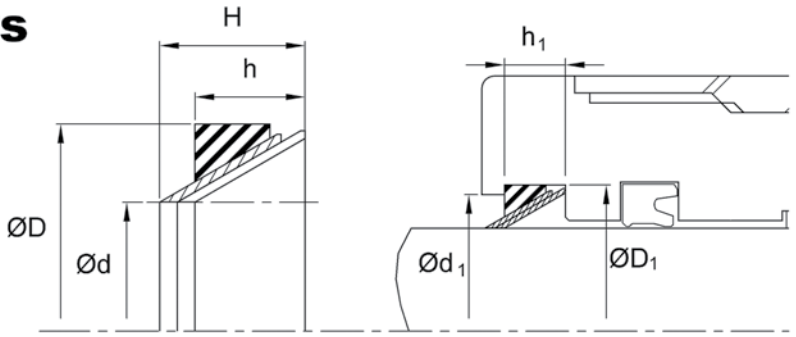
Ref.Number	Rod Diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	D1	Tol.	D2	Tol.	h1	Tol.	
EX5-01500	1.500	+.000 / -.002	1.500	0.154	0.232	-131	1.560	+.006 / -.000	1.846	+.002 / -.000	0.248	+.008 /-.000	46.50
EX5-02000	2.000	+.000 / -.003	2.000	0.154	0.232	-138	2.060	+.007 / -.000	2.346	+.003 / -.000	0.248	+.008 /-.000	51.95
EX5-02500	2.500	+.000 / -.003	2.500	0.154	0.232	-146	2.560	+.007 / -.000	2.846	+.003 / -.000	0.248	+.008 /-.000	57.60
EX5-03000	3.000	+.000 / -.003	3.000	0.213	0.303	-236	3.080	+.007 / -.000	3.480	+.003 / -.000	0.319	+.008 /-.000	63.10
EX5-03500	3.500	+.000 / -.003	3.500	0.213	0.303	-240	3.580	+.009 / -.000	3.980	+.003 / -.000	0.319	+.008 /-.000	63.45
EX5-04000	4.000	+.000 / -.003	4.000	0.213	0.303	-243	4.080	+.009 / -.000	4.480	+.003 / -.000	0.319	+.008 /-.000	69.15
EX5-04500	4.500	+.000 / -.003	4.500	0.213	0.303	-247	4.580	+.009 / -.000	4.980	+.004 / -.000	0.319	+.008 /-.000	76.60
EX5-05000	5.000	+.000 / -.004	5.000	0.213	0.303	-251	5.080	+.010 / -.000	5.480	+.004 / -.000	0.319	+.008 /-.000	81.60
EX5-05500	5.500	+.000 / -.004	5.500	0.276	0.358	-359	5.600	+.010 / -.000	6.130	+.004 / -.000	0.374	+.008 /-.000	92.65
EX5-06000	6.000	+.000 / -.004	6.000	0.276	0.358	-362	6.100	+.010 / -.000	6.630	+.004 / -.000	0.374	+.008 /-.000	109.20
EX5-06500	6.500	+.000 / -.004	6.500	0.276	0.358	-364	6.600	+.010 / -.000	7.130	+.005 / -.000	0.374	+.008 /-.000	114.60
EX5-07000	7.000	+.000 / -.004	7.000	0.276	0.358	-366	7.100	+.011 / -.000	7.630	+.005 / -.000	0.374	+.008 /-.000	114.60
EX5-08000	8.000	+.000 / -.005	8.000	0.276	0.358	-370	8.100	+.011 / -.000	8.630	+.005 / -.000	0.374	+.008 /-.000	133.30
EX5-09000	9.000	+.000 / -.005	9.000	0.276	0.358	-374	9.100	+.011 / -.000	9.630	+.005 / -.000	0.374	+.008 /-.000	146.25
EX5-10000	10.000	+.000 / -.005	10.000	0.276	0.358	-377	10.100	+.013 / -.000	10.630	+.005 / -.000	0.374	+.008 /-.000	198.95



BW/S - Rod Wipers

Brass/Nitrile
Brass/FPM





NBR Temperature: -40/250F [-40/121C] **FPM Temperature: -20/400F [-28/204C]**

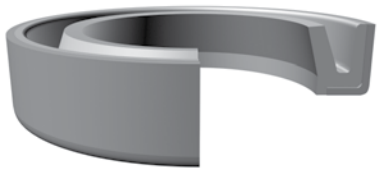
Ref.Number	Rod Diameter	Nominal Seal Dimensions			Housing Dimensions						$ NBR	$ FPM
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.		/V
BW-00250S	0.250 +.001 / -.002	0.250			0.464	+.000 / -.010	0.500	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00312S	0.312 +.001 / -.002	0.312			0.526	+.000 / -.010	0.562	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00375S	0.375 +.001 / -.002	0.375			0.589	+.000 / -.010	0.625	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00437S	0.437 +.001 / -.002	0.437			0.651	+.000 / -.010	0.687	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00500S	0.500 +.001 / -.002	0.500			0.714	+.000 / -.010	0.750	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00562S	0.562 +.001 / -.002	0.562			0.776	+.000 / -.010	0.812	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00625S	0.625 +.001 / -.002	0.625			0.839	+.000 / -.010	0.875	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00687S	0.687 +.001 / -.002	0.687			0.901	+.000 / -.010	0.937	+.003 / -.003	0.125	+.003 / -.001	20.25	31.60
BW-00750S	0.750 +.001 / -.002	0.750			1.082	+.000 / -.010	1.125	+.003 / -.003	0.187	+.003 / -.001	20.65	32.10
BW-00812S	0.812 +.001 / -.002	0.812			1.144	+.000 / -.010	1.187	+.003 / -.003	0.187	+.003 / -.001	21.05	32.90
BW-00875S	0.875 +.001 / -.002	0.875			1.207	+.000 / -.010	1.250	+.003 / -.003	0.187	+.003 / -.001	21.55	33.60
BW-00937S	0.937 +.001 / -.002	0.937			1.269	+.000 / -.010	1.312	+.003 / -.003	0.187	+.003 / -.001	22.05	34.30
BW-01000S	1.000 +.001 / -.002	1.000			1.332	+.000 / -.010	1.375	+.003 / -.003	0.187	+.003 / -.001	22.60	35.15
BW-01062S	1.062 +.001 / -.002	1.062			1.394	+.000 / -.010	1.437	+.003 / -.003	0.187	+.003 / -.001	24.00	37.35
BW-01125S	1.125 +.001 / -.002	1.125			1.457	+.000 / -.010	1.500	+.003 / -.003	0.187	+.003 / -.001	25.40	39.60
BW-01187S	1.187 +.001 / -.002	1.187			1.519	+.000 / -.010	1.562	+.003 / -.003	0.187	+.003 / -.001	26.80	41.75
BW-01250S	1.250 +.001 / -.002	1.250			1.582	+.000 / -.010	1.625	+.003 / -.003	0.187	+.003 / -.001	28.20	43.95
BW-01312S	1.312 +.001 / -.002	1.312			1.644	+.000 / -.010	1.687	+.003 / -.003	0.187	+.003 / -.001	29.60	46.15
BW-01375S	1.375 +.001 / -.002	1.375			1.707	+.000 / -.010	1.750	+.003 / -.003	0.187	+.003 / -.001	30.95	48.25
BW-01437S	1.437 +.001 / -.002	1.437			1.769	+.000 / -.010	1.812	+.003 / -.003	0.187	+.003 / -.001	32.35	50.45
BW-01500S	1.500 +.001 / -.002	1.500			1.832	+.000 / -.010	1.875	+.003 / -.003	0.187	+.003 / -.001	33.75	52.60
BW-01562S	1.562 +.001 / -.002	1.562			1.894	+.000 / -.010	1.937	+.003 / -.003	0.187	+.003 / -.001	35.15	54.80
BW-01625S	1.625 +.001 / -.002	1.625			1.957	+.000 / -.010	2.000	+.003 / -.003	0.187	+.003 / -.001	36.55	57.00
BW-01687S	1.687 +.001 / -.002	1.687			2.019	+.000 / -.010	2.062	+.003 / -.003	0.187	+.003 / -.001	37.95	59.20
BW-01750S	1.750 +.001 / -.002	1.750			2.082	+.000 / -.010	2.125	+.003 / -.003	0.187	+.003 / -.001	39.35	61.30
BW-01812S	1.812 +.001 / -.002	1.812			2.144	+.000 / -.010	2.187	+.003 / -.003	0.187	+.003 / -.001	40.75	63.50
BW-01875S	1.875 +.001 / -.002	1.875			2.207	+.000 / -.010	2.250	+.003 / -.003	0.187	+.003 / -.001	42.15	65.75
BW-01937S	1.937 +.001 / -.002	1.937			2.269	+.000 / -.010	2.312	+.003 / -.003	0.187	+.003 / -.001	43.75	68.20
BW-02000S	2.000 +.001 / -.002	2.000			2.440	+.000 / -.010	2.500	+.003 / -.003	0.250	+.003 / -.001	45.90	71.50
BW-02062S	2.062 +.001 / -.002	2.062			2.502	+.000 / -.010	2.562	+.003 / -.003	0.250	+.003 / -.001	47.30	73.65
BW-02125S	2.125 +.001 / -.002	2.125			2.565	+.000 / -.010	2.625	+.003 / -.003	0.250	+.003 / -.001	48.70	75.90
BW-02187S	2.187 +.001 / -.002	2.187			2.627	+.000 / -.010	2.687	+.003 / -.003	0.250	+.003 / -.001	50.10	78.10
BW-02250S	2.250 +.001 / -.002	2.250			2.690	+.000 / -.010	2.750	+.003 / -.003	0.250	+.003 / -.001	51.45	80.30
BW-02312S	2.312 +.001 / -.002	2.312			2.752	+.000 / -.010	2.812	+.003 / -.003	0.250	+.003 / -.001	52.85	82.50
BW-02375S	2.375 +.001 / -.002	2.375			2.815	+.000 / -.010	2.875	+.003 / -.003	0.250	+.003 / -.001	54.25	84.60
BW-02437S	2.437 +.001 / -.002	2.437			2.877	+.000 / -.010	2.937	+.003 / -.003	0.250	+.003 / -.001	55.65	86.80
BW-02500S	2.500 +.001 / -.002	2.500			2.940	+.000 / -.010	3.000	+.003 / -.003	0.250	+.003 / -.001	57.05	88.95
BW-02562S	2.562 +.001 / -.002	2.562			3.002	+.000 / -.010	3.062	+.003 / -.003	0.250	+.003 / -.001	58.45	91.15

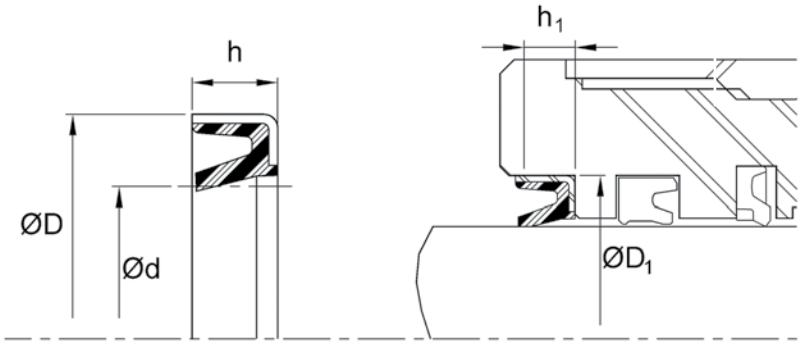
BW/S SERIES - BRASS/NBR & BRASS/FPM

Ref.Number	Rod Diameter	Nominal Seal Dimensions			Housing Dimensions						$ NBR	$ FPM /V
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.		
BW-02625S	2.625 +.001 / -.002	2.625			3.065	+.000 / -.010	3.125	+.003 / -.003	0.250	+.003 / -.001	59.90	93.45
BW-02687S	2.687 +.001 / -.002	2.687			3.127	+.000 / -.010	3.187	+.003 / -.003	0.250	+.003 / -.001	61.45	95.70
BW-02750S	2.750 +.001 / -.002	2.750			3.190	+.000 / -.010	3.250	+.003 / -.003	0.250	+.003 / -.001	62.80	97.90
BW-02812S	2.812 +.001 / -.002	2.812			3.252	+.000 / -.010	3.312	+.003 / -.003	0.250	+.003 / -.001	64.30	100.25
BW-02875S	2.875 +.001 / -.002	2.875			3.315	+.000 / -.010	3.375	+.003 / -.003	0.250	+.003 / -.001	65.75	102.55
BW-02937S	2.937 +.001 / -.002	2.937			3.377	+.000 / -.010	3.437	+.003 / -.003	0.250	+.003 / -.001	67.25	104.80
BW-03000S	3.000 +.001 / -.002	3.000			3.440	+.000 / -.010	3.500	+.003 / -.003	0.250	+.003 / -.001	69.20	107.85
BW-03125S	3.125 +.001 / -.002	3.125			3.565	+.000 / -.010	3.625	+.003 / -.003	0.250	+.003 / -.001	80.65	125.80
BW-03250S	3.250 +.001 / -.002	3.250			3.690	+.000 / -.010	3.750	+.003 / -.003	0.250	+.003 / -.001	92.20	143.70
BW-03375S	3.375 +.001 / -.002	3.375			3.815	+.000 / -.010	3.875	+.003 / -.003	0.250	+.003 / -.001	103.65	161.65
BW-03500S	3.500 +.001 / -.002	3.500			3.940	+.000 / -.010	4.000	+.003 / -.003	0.250	+.003 / -.001	115.10	179.60
BW-03625S	3.625 +.001 / -.002	3.625			4.065	+.000 / -.010	4.125	+.003 / -.003	0.250	+.003 / -.001	126.65	197.55
BW-03750S	3.750 +.001 / -.002	3.750			4.190	+.000 / -.010	4.250	+.003 / -.003	0.250	+.003 / -.001	138.10	215.45
BW-03875S	3.875 +.001 / -.002	3.875			4.315	+.000 / -.010	4.375	+.003 / -.003	0.250	+.003 / -.001	149.65	233.45
BW-04000S	4.000 +.001 / -.002	4.000			4.440	+.000 / -.010	4.500	+.003 / -.003	0.250	+.003 / -.001	161.60	252.05
BW-04125S	4.125 +.001 / -.002	4.125			4.565	+.000 / -.010	4.625	+.003 / -.003	0.250	+.003 / -.001	196.55	306.60
BW-04250S	4.250 +.001 / -.002	4.250			4.690	+.000 / -.010	4.750	+.003 / -.003	0.250	+.003 / -.001	231.50	361.05
BW-04375S	4.375 +.001 / -.002	4.375			4.815	+.000 / -.010	4.875	+.003 / -.003	0.250	+.003 / -.001	266.45	415.60
BW-04500S	4.500 +.001 / -.002	4.500			5.160	+.000 / -.010	5.250	+.003 / -.003	0.375	+.003 / -.001	306.05	477.30
BW-04625S	4.625 +.001 / -.002	4.625			5.285	+.000 / -.010	5.375	+.003 / -.003	0.375	+.003 / -.001	341.70	533.05
BW-04750S	4.750 +.001 / -.002	4.750			5.410	+.000 / -.010	5.500	+.003 / -.003	0.375	+.003 / -.001	377.45	588.80
BW-04875S	4.875 +.001 / -.002	4.875			5.535	+.000 / -.010	5.625	+.003 / -.003	0.375	+.003 / -.001	412.40	643.40
BW-05000S	5.000 +.001 / -.002	5.000			5.660	+.000 / -.010	5.750	+.003 / -.003	0.375	+.003 / -.001	448.95	700.30
BW-05125S	5.125 +.001 / -.002	5.125			5.785	+.000 / -.010	5.875	+.003 / -.003	0.375	+.003 / -.001	466.75	728.20
BW-05250S	5.250 +.001 / -.002	5.250			5.910	+.000 / -.010	6.000	+.003 / -.003	0.375	+.003 / -.001	484.65	756.00
BW-05375S	5.375 +.001 / -.002	5.375			6.035	+.000 / -.010	6.125	+.003 / -.003	0.375	+.003 / -.001	502.50	783.90
BW-05500S	5.500 +.001 / -.002	5.500			6.160	+.000 / -.010	6.250	+.003 / -.003	0.375	+.003 / -.001	520.35	811.75
BW-05625S	5.625 +.001 / -.002	5.625			6.285	+.000 / -.010	6.375	+.003 / -.003	0.375	+.003 / -.001	538.25	839.65
BW-05750S	5.750 +.001 / -.002	5.750			6.410	+.000 / -.010	6.500	+.003 / -.003	0.375	+.003 / -.001	556.05	867.50
BW-05875S	5.875 +.001 / -.002	5.875			6.535	+.000 / -.010	6.625	+.003 / -.003	0.375	+.003 / -.001	573.95	895.30
BW-06000S	6.000 +.001 / -.002	6.000			6.660	+.000 / -.010	6.750	+.003 / -.003	0.375	+.003 / -.001	591.80	923.20
BW-06250S	6.250 +.001 / -.002	6.250			6.910	+.000 / -.010	7.000	+.003 / -.003	0.375	+.003 / -.001	626.75	977.65
BW-06500S	6.500 +.001 / -.002	6.500			7.160	+.000 / -.010	7.250	+.003 / -.003	0.375	+.003 / -.001	661.70	1032.20
BW-06750S	6.750 +.001 / -.002	6.750			7.410	+.000 / -.010	7.500	+.003 / -.003	0.375	+.003 / -.001	696.65	1086.75
BW-07000S	7.000 +.001 / -.002	7.000			7.660	+.000 / -.010	7.750	+.003 / -.003	0.375	+.003 / -.001	731.60	1141.25
BW-07250S	7.250 +.001 / -.002	7.250			7.910	+.000 / -.010	8.000	+.003 / -.003	0.375	+.003 / -.001	766.55	1195.80
BW-07500S	7.500 +.001 / -.002	7.500			8.160	+.000 / -.010	8.250	+.003 / -.003	0.375	+.003 / -.001	801.50	1250.25
BW-07750S	7.750 +.001 / -.002	7.750			8.410	+.000 / -.010	8.500	+.003 / -.003	0.375	+.003 / -.001	836.45	1304.80
BW-08000S	8.000 +.001 / -.002	8.000			8.660	+.000 / -.010	8.750	+.003 / -.003	0.375	+.003 / -.001	871.40	1359.30
BW-08250S	8.250 +.001 / -.002	8.250			8.910	+.000 / -.010	9.000	+.003 / -.003	0.375	+.003 / -.001	906.35	1272.45
BW-08500S	8.500 +.001 / -.002	8.500			9.160	+.000 / -.010	9.250	+.003 / -.003	0.375	+.003 / -.001	941.25	1468.30
BW-08750S	8.750 +.001 / -.002	8.750			9.410	+.000 / -.010	9.500	+.003 / -.003	0.375	+.003 / -.001	976.20	1522.85
BW-09000S	9.000 +.001 / -.002	9.000			9.660	+.000 / -.010	9.750	+.003 / -.003	0.375	+.003 / -.001	1011.15	1577.40
BW-09250S	9.250 +.001 / -.002	9.250			9.910	+.000 / -.010	10.000	+.003 / -.003	0.375	+.003 / -.001	1046.10	1631.85
BW-09500S	9.500 +.001 / -.002	9.500			10.160	+.000 / -.010	10.250	+.003 / -.003	0.375	+.003 / -.001	1081.05	1686.40
BW-09750S	9.750 +.001 / -.002	9.750			10.410	+.000 / -.010	10.500	+.003 / -.003	0.375	+.003 / -.001	1116.00	1740.90
BW-10000S	10.000 +.001 / -.002	10.000			10.880	+.000 / -.010	11.000	+.003 / -.003	0.500	+.003 / -.001	1159.50	1808.80

J - Rod Wipers

Polyurethane/Steel





Temperature: -65/200F [-54/94C] **Pressure: N/A**

Ref.Number	Rod Diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J05001000250	0.500 +.000 / -.002	0.500	1.000	0.250			1.000	+.001 / -.001	0.250	+.015 / -.000	4.50
J06251125312	0.625 +.000 / -.002	0.625	1.125	0.312			1.125	+.001 / -.001	0.312	+.015 / -.000	4.80
J07501250250	0.750 +.000 / -.003	0.750	1.250	0.250			1.250	+.001 / -.001	0.250	+.015 / -.000	4.40
J07501250312	0.750 +.000 / -.003	0.750	1.250	0.312			1.250	+.001 / -.001	0.312	+.015 / -.000	5.05
J08751125156	0.875 +.000 / -.003	0.875	1.125	0.156			1.125	+.001 / -.001	0.156	+.015 / -.000	5.05
J08751375312	0.875 +.000 / -.003	0.875	1.375	0.312			1.375	+.001 / -.001	0.312	+.015 / -.000	5.05
J10001500312	1.000 +.000 / -.003	1.000	1.500	0.312			1.500	+.001 / -.001	0.312	+.015 / -.000	5.70
J11251625312	1.125 +.000 / -.003	1.125	1.625	0.312			1.625	+.001 / -.001	0.312	+.015 / -.000	6.85
J11871625250	1.187 +.000 / -.003	1.187	1.625	0.250			1.625	+.001 / -.001	0.250	+.015 / -.000	10.05
J12501625125	1.250 +.000 / -.003	1.250	1.625	0.125			1.625	+.001 / -.001	0.125	+.015 / -.000	10.15
J12501750250	1.250 +.000 / -.003	1.250	1.750	0.250			1.750	+.001 / -.001	0.250	+.015 / -.000	6.20
J12501750312	1.250 +.000 / -.003	1.250	1.750	0.312			1.750	+.001 / -.001	0.312	+.015 / -.000	7.20
J12502062375	1.250 +.000 / -.003	1.250	2.062	0.375			2.062	+.001 / -.001	0.375	+.015 / -.000	12.95
J13751875312	1.375 +.000 / -.003	1.375	1.875	0.312			1.875	+.001 / -.001	0.312	+.015 / -.000	7.65
J15001875125	1.500 +.000 / -.003	1.500	1.875	0.125			1.875	+.001 / -.001	0.125	+.015 / -.000	10.45
J15001875250	1.500 +.000 / -.003	1.500	1.875	0.250			1.875	+.001 / -.001	0.250	+.015 / -.000	10.70
J15002000250	1.500 +.000 / -.003	1.500	2.000	0.250			2.000	+.001 / -.001	0.250	+.015 / -.000	7.05
J15002000312	1.500 +.000 / -.003	1.500	2.000	0.312			2.000	+.001 / -.001	0.312	+.015 / -.000	8.20
J15002125312	1.500 +.000 / -.003	1.500	2.125	0.312			2.125	+.001 / -.001	0.312	+.015 / -.000	12.20
J15002250375	1.500 +.000 / -.003	1.500	2.250	0.375			2.250	+.001 / -.001	0.375	+.015 / -.000	8.30
J16252125250	1.625 +.000 / -.003	1.625	2.125	0.250			2.125	+.001 / -.001	0.250	+.015 / -.000	8.60
J16252125312	1.625 +.000 / -.003	1.625	2.125	0.312			2.125	+.001 / -.001	0.312	+.015 / -.000	8.75
J17502125125	1.750 +.000 / -.003	1.750	2.125	0.125			2.125	+.001 / -.001	0.125	+.015 / -.000	15.20
J17502250125	1.750 +.000 / -.003	1.750	2.250	0.125			2.250	+.001 / -.001	0.125	+.015 / -.000	11.60
J17502250187	1.750 +.000 / -.003	1.750	2.250	0.187			2.250	+.001 / -.001	0.187	+.015 / -.000	14.60
J17502250250	1.750 +.000 / -.003	1.750	2.250	0.250			2.250	+.001 / -.001	0.250	+.015 / -.000	8.80
J17502250312	1.750 +.000 / -.003	1.750	2.250	0.312			2.250	+.001 / -.001	0.312	+.015 / -.000	8.90
J17502437375	1.750 +.000 / -.003	1.750	2.437	0.375			2.437	+.001 / -.001	0.375	+.015 / -.000	9.10
J17502500375	1.750 +.000 / -.003	1.750	2.500	0.375			2.500	+.001 / -.001	0.375	+.015 / -.000	13.65
J18752375312	1.875 +.000 / -.003	1.875	2.375	0.312			2.375	+.001 / -.001	0.312	+.015 / -.000	12.75
J18752562375	1.875 +.000 / -.003	1.875	2.562	0.375			2.562	+.001 / -.001	0.375	+.015 / -.000	15.40
J20002375250	2.000 +.000 / -.003	2.000	2.375	0.250			2.375	+.001 / -.001	0.250	+.015 / -.000	14.55
J20002500187	2.000 +.000 / -.003	2.000	2.500	0.187			2.500	+.001 / -.001	0.187	+.015 / -.000	15.05
J20002500250	2.000 +.000 / -.003	2.000	2.500	0.250			2.500	+.001 / -.001	0.250	+.015 / -.000	9.30
J20002500312	2.000 +.000 / -.003	2.000	2.500	0.312			2.500	+.001 / -.001	0.312	+.015 / -.000	9.50
J20002625250	2.000 +.000 / -.003	2.000	2.625	0.250			2.625	+.001 / -.001	0.250	+.015 / -.000	9.80
J20002687375	2.000 +.000 / -.003	2.000	2.687	0.375			2.687	+.001 / -.001	0.375	+.015 / -.000	9.85
J20002750375	2.000 +.000 / -.003	2.000	2.750	0.375			2.750	+.001 / -.001	0.375	+.015 / -.000	14.40

J SERIES - AU/STEEL

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J21252500125	2.125	+.000 / -.003	2.125	2.500	0.125			2.500	+.001 / -.001	0.125	+.015 / -.000	14.65
J21252625250	2.125	+.000 / -.003	2.125	2.625	0.250			2.625	+.001 / -.001	0.250	+.015 / -.000	14.70
J21872687375	2.187	+.000 / -.003	2.187	2.687	0.375			2.687	+.001 / -.001	0.375	+.015 / -.000	14.75
J22502750187	2.250	+.000 / -.003	2.250	2.750	0.187			2.750	+.001 / -.001	0.187	+.015 / -.000	16.00
J22502750250	2.250	+.000 / -.003	2.250	2.750	0.250			2.750	+.001 / -.001	0.250	+.015 / -.000	10.05
J22502750312	2.250	+.000 / -.003	2.250	2.750	0.312			2.750	+.001 / -.001	0.312	+.015 / -.000	10.15
J22503000375	2.250	+.000 / -.003	2.250	3.000	0.375			3.000	+.001 / -.001	0.375	+.015 / -.000	10.35
J23752875312	2.375	+.000 / -.003	2.375	2.875	0.312			2.875	+.001 / -.001	0.312	+.015 / -.000	10.55
J23753125375	2.375	+.000 / -.003	2.375	3.125	0.375			3.125	+.001 / -.001	0.375	+.015 / -.000	11.25
J25002875125	2.500	+.000 / -.003	2.500	2.875	0.125			2.875	+.001 / -.001	0.125	+.015 / -.000	17.85
J25003000187	2.500	+.000 / -.003	2.500	3.000	0.187			3.000	+.001 / -.001	0.187	+.015 / -.000	18.05
J25003000312	2.500	+.000 / -.003	2.500	3.000	0.312			3.000	+.001 / -.001	0.312	+.015 / -.000	11.95
J25003125250	2.500	+.000 / -.003	2.500	3.125	0.250			3.125	+.001 / -.001	0.250	+.015 / -.000	20.60
J25003187375	2.500	+.000 / -.003	2.500	3.187	0.375			3.187	+.001 / -.001	0.375	+.015 / -.000	23.25
J25003250250	2.500	+.000 / -.003	2.500	3.250	0.250			3.250	+.001 / -.001	0.250	+.015 / -.000	15.15
J25003250375	2.500	+.000 / -.003	2.500	3.250	0.375			3.250	+.001 / -.001	0.375	+.015 / -.000	12.30
J26253125250	2.625	+.000 / -.003	2.625	3.125	0.250			3.125	+.001 / -.001	0.250	+.015 / -.000	15.20
J26253125312	2.625	+.000 / -.003	2.625	3.125	0.312			3.125	+.001 / -.001	0.312	+.015 / -.000	15.30
J27503250187	2.750	+.000 / -.003	2.750	3.250	0.187			3.250	+.001 / -.001	0.187	+.015 / -.000	15.70
J27503250312	2.750	+.000 / -.003	2.750	3.250	0.312			3.250	+.001 / -.001	0.312	+.015 / -.000	14.35
J27503500250	2.750	+.000 / -.003	2.750	3.500	0.250			3.500	+.001 / -.001	0.250	+.015 / -.000	14.35
J27503500375	2.750	+.000 / -.003	2.750	3.500	0.375			3.500	+.001 / -.001	0.375	+.015 / -.000	16.25
J27503500500	2.750	+.000 / -.003	2.750	3.500	0.500			3.500	+.001 / -.001	0.500	+.015 / -.000	14.60
J27503750500	2.750	+.000 / -.003	2.750	3.750	0.500			3.750	+.001 / -.001	0.500	+.015 / -.000	14.75
J28753375312	2.875	+.000 / -.003	2.875	3.375	0.312			3.375	+.001 / -.001	0.312	+.015 / -.000	14.95
J30003500312	3.000	+.000 / -.004	3.000	3.500	0.312			3.500	+.001 / -.001	0.312	+.015 / -.000	15.80
J30003750250	3.000	+.000 / -.004	3.000	3.750	0.250			3.750	+.001 / -.001	0.250	+.015 / -.000	15.85
J30003750375	3.000	+.000 / -.004	3.000	3.750	0.375			3.750	+.001 / -.001	0.375	+.015 / -.000	18.40
J30004000500	3.000	+.000 / -.004	3.000	4.000	0.500			4.000	+.001 / -.001	0.500	+.015 / -.000	15.90
J31253750312	3.125	+.000 / -.004	3.125	3.750	0.312			3.750	+.001 / -.001	0.312	+.015 / -.000	16.60
J31253750375	3.125	+.000 / -.004	3.125	3.750	0.375			3.750	+.001 / -.001	0.375	+.015 / -.000	18.45
J32503750312	3.250	+.000 / -.004	3.250	3.750	0.312			3.750	+.001 / -.001	0.312	+.015 / -.000	18.85
J32503750375	3.250	+.000 / -.004	3.250	3.750	0.375			3.750	+.001 / -.001	0.375	+.015 / -.000	19.15
J32503875312	3.250	+.000 / -.004	3.250	3.875	0.312			3.875	+.001 / -.001	0.312	+.015 / -.000	19.30
J32504000250	3.250	+.000 / -.004	3.250	4.000	0.250			4.000	+.001 / -.001	0.250	+.015 / -.000	16.15
J32504250500	3.250	+.000 / -.004	3.250	4.250	0.500			4.250	+.001 / -.001	0.500	+.015 / -.000	16.30
J33754000312	3.375	+.000 / -.004	3.375	4.000	0.312			4.000	+.001 / -.001	0.312	+.015 / -.000	19.85
J35003875187	3.500	+.000 / -.004	3.500	3.875	0.187			3.875	+.001 / -.001	0.187	+.015 / -.000	56.80
J35004000312	3.500	+.000 / -.004	3.500	4.000	0.312			4.000	+.001 / -.001	0.312	+.015 / -.000	17.40
J35004125250	3.500	+.000 / -.004	3.500	4.125	0.250			4.125	+.001 / -.001	0.250	+.015 / -.000	17.50
J35004125312	3.500	+.000 / -.004	3.500	4.125	0.312			4.125	+.001 / -.001	0.312	+.015 / -.000	18.15
J35004250250	3.500	+.000 / -.004	3.500	4.250	0.250			4.250	+.001 / -.001	0.250	+.015 / -.000	18.55
J35004250312	3.500	+.000 / -.004	3.500	4.250	0.312			4.250	+.001 / -.001	0.312	+.015 / -.000	21.55
J35004250500	3.500	+.000 / -.004	3.500	4.250	0.500			4.250	+.001 / -.001	0.500	+.015 / -.000	22.10
J35004500500	3.500	+.000 / -.004	3.500	4.500	0.500			4.500	+.001 / -.001	0.500	+.015 / -.000	18.45
J36254250312	3.625	+.000 / -.004	3.625	4.250	0.312			4.250	+.001 / -.001	0.312	+.015 / -.000	22.20
J37504250312	3.750	+.000 / -.004	3.750	4.250	0.312			4.250	+.001 / -.001	0.312	+.015 / -.000	27.70
J37504375312	3.750	+.000 / -.004	3.750	4.375	0.312			4.375	+.001 / -.001	0.312	+.015 / -.000	19.20

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J37504500312	3.750	+.000 / -.004	3.750	4.500	0.312			4.500	+.001 / -.001	0.312	+.015 / -.000	19.40
J37504750500	3.750	+.000 / -.004	3.750	4.750	0.500			4.750	+.001 / -.001	0.500	+.015 / -.000	19.80
J38754500312	3.875	+.000 / -.004	3.875	4.500	0.312			4.500	+.001 / -.001	0.312	+.015 / -.000	22.35
J40004625187	4.000	+.000 / -.004	4.000	4.625	0.187			4.625	+.001 / -.001	0.187	+.015 / -.000	53.75
J40004625312	4.000	+.000 / -.004	4.000	4.625	0.312			4.625	+.001 / -.001	0.312	+.015 / -.000	20.85
J40004750312	4.000	+.000 / -.004	4.000	4.750	0.312			4.750	+.001 / -.001	0.312	+.015 / -.000	21.15
J40005000500	4.000	+.000 / -.004	4.000	5.000	0.500			5.000	+.001 / -.001	0.500	+.015 / -.000	21.65
J41254750312	4.125	+.000 / -.004	4.125	4.750	0.312			4.750	+.001 / -.001	0.312	+.015 / -.000	24.95
J42504750187	4.250	+.000 / -.004	4.250	4.750	0.187			4.750	+.001 / -.001	0.187	+.015 / -.000	29.70
J42504750312	4.250	+.000 / -.004	4.250	4.750	0.312			4.750	+.001 / -.001	0.312	+.015 / -.000	26.20
J42504875312	4.250	+.000 / -.004	4.250	4.875	0.312			4.875	+.001 / -.001	0.312	+.015 / -.000	26.35
J42505250500	4.250	+.000 / -.004	4.250	5.250	0.500			5.250	+.001 / -.001	0.500	+.015 / -.000	26.90
J43755000312	4.375	+.000 / -.004	4.375	5.000	0.312			5.000	+.001 / -.001	0.312	+.015 / -.000	32.25
J45005125312	4.500	+.000 / -.004	4.500	5.125	0.312			5.125	+.001 / -.001	0.312	+.015 / -.000	33.10
J45005250312	4.500	+.000 / -.004	4.500	5.250	0.312			5.250	+.001 / -.001	0.312	+.015 / -.000	35.60
J45005500250	4.500	+.000 / -.004	4.500	5.500	0.250			5.500	+.001 / -.001	0.250	+.015 / -.000	33.40
J45005500312	4.500	+.000 / -.004	4.500	5.500	0.312			5.500	+.001 / -.001	0.312	+.015 / -.000	33.70
J45005500500	4.500	+.000 / -.004	4.500	5.500	0.500			5.500	+.001 / -.001	0.500	+.015 / -.000	34.10
J47505375312	4.750	+.000 / -.004	4.750	5.375	0.312			5.375	+.001 / -.001	0.312	+.015 / -.000	34.50
J47505750500	4.750	+.000 / -.004	4.750	5.750	0.500			5.750	+.001 / -.001	0.500	+.015 / -.000	36.25
J50005625250	5.000	+.000 / -.004	5.000	5.625	0.250			5.625	+.001 / -.001	0.250	+.015 / -.000	37.95
J50005625312	5.000	+.000 / -.004	5.000	5.625	0.312			5.625	+.001 / -.001	0.312	+.015 / -.000	42.60
J50005750312	5.000	+.000 / -.004	5.000	5.750	0.312			5.750	+.001 / -.001	0.312	+.015 / -.000	42.80
J50006000500	5.000	+.000 / -.004	5.000	6.000	0.500			6.000	+.001 / -.001	0.500	+.015 / -.000	46.50
J52505750312	5.250	+.000 / -.004	5.250	5.750	0.312			5.750	+.001 / -.001	0.312	+.015 / -.000	65.70
J52505875312	5.250	+.000 / -.004	5.250	5.875	0.312			5.875	+.001 / -.001	0.312	+.015 / -.000	O/R
J52506000312	5.250	+.000 / -.004	5.250	6.000	0.312			6.000	+.001 / -.001	0.312	+.015 / -.000	47.55
J55006125312	5.500	+.000 / -.004	5.500	6.125	0.312			6.125	+.001 / -.001	0.312	+.015 / -.000	49.35
J55006125375	5.500	+.000 / -.004	5.500	6.125	0.375			6.125	+.001 / -.001	0.375	+.015 / -.000	51.60
J55006250312	5.500	+.000 / -.004	5.500	6.250	0.312			6.250	+.001 / -.001	0.312	+.015 / -.000	53.10
J55006500500	5.500	+.000 / -.004	5.500	6.500	0.500			6.500	+.001 / -.001	0.500	+.015 / -.000	55.55
J57506375375	5.750	+.000 / -.004	5.750	6.375	0.375			6.375	+.001 / -.001	0.375	+.015 / -.000	56.80
J57506750500	5.750	+.000 / -.004	5.750	6.750	0.500			6.750	+.001 / -.001	0.500	+.015 / -.000	57.65
J60006625375	6.000	+.000 / -.004	6.000	6.625	0.375			6.625	+.001 / -.001	0.375	+.015 / -.000	58.55
J60006750375	6.000	+.000 / -.004	6.000	6.750	0.375			6.750	+.001 / -.001	0.375	+.015 / -.000	58.90
J60007000500	6.000	+.000 / -.004	6.000	7.000	0.500			7.000	+.001 / -.001	0.500	+.015 / -.000	60.55
J62506750312	6.250	+.000 / -.004	6.250	6.750	0.312			6.750	+.001 / -.001	0.312	+.015 / -.000	60.75
J63127250500	6.312	+.000 / -.004	6.312	7.250	0.500			7.250	+.001 / -.001	0.500	+.015 / -.000	62.30
J65007250312	6.500	+.000 / -.004	6.500	7.250	0.312			7.250	+.001 / -.001	0.312	+.015 / -.000	64.30
J65007500625	6.500	+.000 / -.004	6.500	7.500	0.625			7.500	+.001 / -.001	0.625	+.015 / -.000	65.20
J67507250312	6.750	+.000 / -.004	6.750	7.250	0.312			7.250	+.001 / -.001	0.312	+.015 / -.000	68.80
J67507375375	6.750	+.000 / -.004	6.750	7.375	0.375			7.375	+.001 / -.001	0.375	+.015 / -.000	70.70
J67507750500	6.750	+.000 / -.004	6.750	7.750	0.500			7.750	+.001 / -.001	0.500	+.015 / -.000	71.65
J70007750312	7.000	+.000 / -.005	7.000	7.750	0.312			7.750	+.001 / -.001	0.312	+.015 / -.000	72.95
J70007875312	7.000	+.000 / -.005	7.000	7.875	0.312			7.875	+.001 / -.001	0.312	+.015 / -.000	78.95
J70008000500	7.000	+.000 / -.005	7.000	8.000	0.500			8.000	+.001 / -.001	0.500	+.015 / -.000	86.80
J72508000312	7.250	+.000 / -.005	7.250	8.000	0.312			8.000	+.001 / -.001	0.312	+.015 / -.000	83.55
J72508250500	7.250	+.000 / -.005	7.250	8.250	0.500			8.250	+.001 / -.001	0.500	+.015 / -.000	96.20

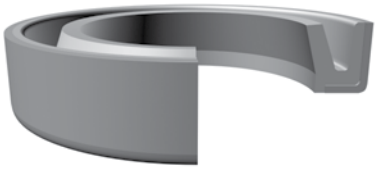
J SERIES - AU/STEEL

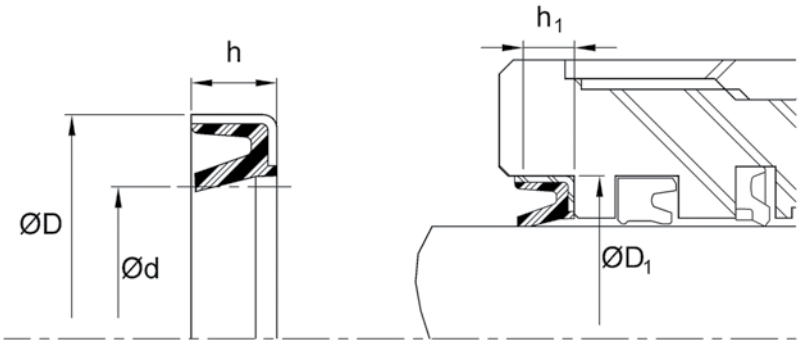
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J80008750375	8.000	+.000 / -.005	8.000	8.750	0.375			8.750	+.001 / -.001	0.375	+.015 / -.000	84.60
J81258625312	8.125	+.000 / -.005	8.125	8.625	0.312			8.625	+.001 / -.001	0.312	+.015 / -.000	148.80
J85009125375	8.500	+.000 / -.005	8.500	9.125	0.375			9.125	+.001 / -.001	0.375	+.015 / -.000	O/R
J90009750550	9.000	+.000 / -.005	9.000	9.750	0.550			9.750	+.001 / -.001	0.590	+.015 / -.000	111.50
J90009875312	9.000	+.000 / -.005	9.000	9.875	0.312			9.875	+.001 / -.001	0.312	+.015 / -.000	115.80
J975010250312	9.750	+.000 / -.005	9.750	10.250	0.312			10.250	+.001 / -.001	0.312	+.015 / -.000	169.60
J1000011000500	10.000	+.000 / -.005	10.000	11.000	0.500			11.000	+.001 / -.001	0.500	+.015 / -.000	173.30
J1100012000550	11.000	+.000 / -.005	11.000	12.000	0.550			12.000	+.001 / -.001	0.590	+.015 / -.000	176.25
J1250013500550	12.500	+.000 / -.005	12.500	13.500	0.550			13.500	+.001 / -.001	0.590	+.015 / -.000	182.15
J1350014500550	13.500	+.000 / -.005	13.500	14.500	0.550			14.500	+.001 / -.001	0.590	+.015 / -.000	197.05



J - Rod Wipers

Polyurethane/Steel





Temperature: -65/200F [-54/94C] **Pressure: N/A**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-4J8982	1.250	+.000 / -.003	1.250					1.750	+.001 / -.001	0.291	+.015 / -.000	5.90
RCAT-3E4160	1.250	+.000 / -.003	1.250					1.750	+.001 / -.001	0.312	+.015 / -.000	6.85
RCAT-3E4159	1.375	+.000 / -.003	1.375					1.875	+.001 / -.001	0.312	+.015 / -.000	7.30
RCAT-3E4161	1.500	+.000 / -.003	1.500					2.000	+.001 / -.001	0.312	+.015 / -.000	7.35
RCAT-4J8979	1.500	+.000 / -.003	1.500					2.250	+.001 / -.001	0.413	+.015 / -.000	7.65
RCAT-4T0486	1.625	+.000 / -.003	1.625					2.125	+.001 / -.001	0.350	+.015 / -.000	8.25
RCAT-3E4162	1.750	+.000 / -.003	1.750					2.250	+.001 / -.001	0.312	+.015 / -.000	8.30
RCAT-4J8980	1.750	+.000 / -.003	1.750					2.437	+.001 / -.001	0.413	+.015 / -.000	8.40
RCAT-4T6777	1.875	+.000 / -.003	1.875					2.562	+.001 / -.001	0.413	+.015 / -.000	11.50
RCAT-9D6583	2.000	+.000 / -.003	2.000					2.500	+.001 / -.001	0.250	+.015 / -.000	8.85
RCAT-3E4164	2.000	+.000 / -.003	2.000					2.500	+.001 / -.001	0.312	+.015 / -.000	9.05
RCAT-1K6981	2.000	+.000 / -.003	2.000					2.687	+.001 / -.001	0.413	+.015 / -.000	9.40
RCAT-4T6125	2.125	+.000 / -.003	2.125					2.875	+.001 / -.001	0.413	+.015 / -.000	9.85
RCAT-9D6584	2.250	+.000 / -.003	2.250					2.750	+.001 / -.001	0.250	+.015 / -.000	10.10
RCAT-3E4165	2.250	+.000 / -.003	2.250					2.750	+.001 / -.001	0.312	+.015 / -.000	10.55
RCAT-4J3515	2.250	+.000 / -.003	2.250					3.000	+.001 / -.001	0.413	+.015 / -.000	10.95
RCAT-5J3937	2.250	+.000 / -.003	2.250					3.125	+.001 / -.001	0.290	+.015 / -.000	O/R
RCAT-5H1513	2.250	+.000 / -.003	2.250					3.250	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-6J3892	2.375	+.000 / -.003	2.375					3.125	+.001 / -.001	0.413	+.015 / -.000	11.35
RCAT-3E4166	2.500	+.000 / -.003	2.500					3.000	+.001 / -.001	0.312	+.015 / -.000	11.85
RCAT-1K6982	2.500	+.000 / -.003	2.500					3.250	+.001 / -.001	0.413	+.015 / -.000	12.25
RCAT-1U4021	2.625	+.000 / -.003	2.625					3.375	+.001 / -.001	0.413	+.015 / -.000	13.15
RCAT-3E4168	2.750	+.000 / -.003	2.750					3.250	+.001 / -.001	0.312	+.015 / -.000	13.65
RCAT-1J3540	2.750	+.000 / -.003	2.750					3.750	+.001 / -.001	0.540	+.015 / -.000	13.85
RCAT-3E4170	3.000	+.000 / -.004	3.000					3.500	+.001 / -.001	0.312	+.015 / -.000	14.45
RCAT-5P4061	3.000	+.000 / -.004	3.000					3.750	+.001 / -.001	0.413	+.015 / -.000	14.85
RCAT-2J1411	3.000	+.000 / -.004	3.000					4.000	+.001 / -.001	0.540	+.015 / -.000	15.30
RCAT-3E4173	3.250	+.000 / -.004	3.250					3.875	+.001 / -.001	0.312	+.015 / -.000	16.40
RCAT-6J4169	3.250	+.000 / -.004	3.250					4.250	+.001 / -.001	0.540	+.015 / -.000	16.80
RCAT-3E4176	3.500	+.000 / -.004	3.500					4.125	+.001 / -.001	0.312	+.015 / -.000	17.90
RCAT-4J8981	3.500	+.000 / -.004	3.500					4.500	+.001 / -.001	0.540	+.015 / -.000	18.40
RCAT-8C5219	3.500	+.000 / -.004	3.500					4.500	+.001 / -.001	0.550	+.015 / -.000	18.40
RCAT-8J6069	3.750	+.000 / -.004	3.750					4.750	+.001 / -.001	0.540	+.015 / -.000	18.90
RCAT-3E4177	4.000	+.000 / -.004	4.000					4.625	+.001 / -.001	0.312	+.015 / -.000	20.60
RCAT-7J5673	4.000	+.000 / -.004	4.000					5.000	+.001 / -.001	0.540	+.015 / -.000	21.40
RCAT-1389740	4.000	+.000 / -.004	4.000					4.500	+.001 / -.001	0.310	+.015 / -.000	O/R

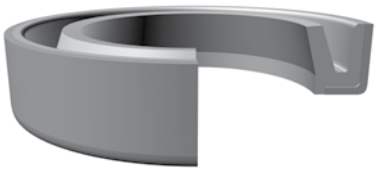
J SERIES - CAT X-REF - AU/STEEL

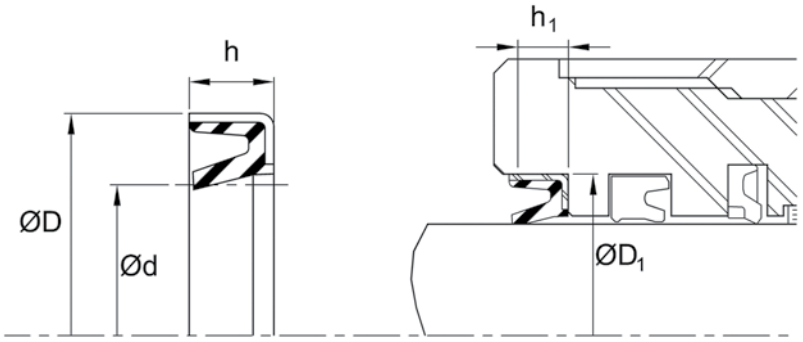
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-7Y4667	4.000	+.000 / -.004	4.000					4.760	+.001 / -.001	0.390	+.015 / -.000	O/R
RCAT-7J8942	4.250	+.000 / -.004	4.250					5.250	+.001 / -.001	0.540	+.015 / -.000	26.30
RCAT-3E4178	4.500	+.000 / -.004	4.500					5.125	+.001 / -.001	0.312	+.015 / -.000	29.65
RCAT-3J4458	4.500	+.000 / -.004	4.500					5.500	+.001 / -.001	0.500	+.015 / -.000	32.45
RCAT-7J9256	4.750	+.000 / -.004	4.750					5.750	+.001 / -.001	0.540	+.015 / -.000	34.60
RCAT-8J4520	5.000	+.000 / -.004	5.000					6.000	+.001 / -.001	0.540	+.015 / -.000	41.80
RCAT-9J5469	5.750	+.000 / -.004	5.750					6.750	+.001 / -.001	0.540	+.015 / -.000	53.40
RCAT-3J7622	6.000	+.000 / -.004	6.000					7.000	+.001 / -.001	0.540	+.015 / -.000	54.90
RCAT-7J2806	6.500	+.000 / -.004	6.500					7.500	+.001 / -.001	0.670	+.015 / -.000	55.80
RCAT-3J4460	6.750	+.000 / -.004	6.750					7.750	+.001 / -.001	0.540	+.015 / -.000	63.30
RCAT-2J4779	7.000	+.000 / -.005	7.000					8.000	+.001 / -.001	0.540	+.015 / -.000	82.65
RCAT-9X7333	7.000	+.000 / -.005	7.000					8.000	+.001 / -.001	0.590	+.015 / -.000	82.65
RCAT-3J7761	7.250	+.000 / -.005	7.250					8.250	+.001 / -.001	0.590	+.015 / -.000	92.90
RCAT-9X7354	9.000	+.000 / -.005	9.000					9.750	+.001 / -.001	0.590	+.015 / -.000	O/R
RCAT-9X7353	11.000	+.000 / -.005	11.000					12.000	+.001 / -.001	0.590	+.015 / -.000	O/R
RCAT-9X7352	12.500	+.000 / -.005	12.500					13.500	+.001 / -.001	0.590	+.015 / -.000	O/R
RCAT-9X7350	13.500	+.000 / -.005	13.500					14.500	+.001 / -.001	0.590	+.015 / -.000	O/R



J/N - Rod Wipers

Nitrile/Steel





Temperature: -50/250F [-45/121C] **Pressure: N/A**

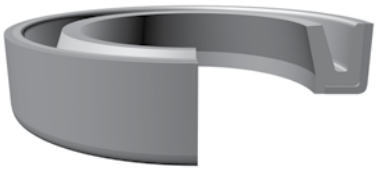
Ref.Number	Rod Diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J01870500125/N	0.187 +.003 / -.003	0.187	0.500	0.125			0.500	+.001 / -.001	0.125	+.015 / -.000	5.80
J03750625125/N	0.375 +.003 / -.003	0.375	0.625	0.125			0.625	+.001 / -.001	0.125	+.015 / -.000	4.15
J03750687156/N	0.375 +.003 / -.003	0.375	0.687	0.156			0.687	+.001 / -.001	0.156	+.015 / -.000	4.80
J05000687094/N	0.500 +.003 / -.003	0.500	0.687	0.094			0.687	+.001 / -.001	0.094	+.015 / -.000	2.70
J05000750125/N	0.500 +.003 / -.003	0.500	0.750	0.125			0.750	+.001 / -.001	0.125	+.015 / -.000	3.95
J05001125250/N	0.500 +.003 / -.003	0.500	1.125	0.250			1.125	+.001 / -.001	0.250	+.015 / -.000	6.15
J06250875125/N	0.625 +.003 / -.003	0.625	0.875	0.125			0.875	+.001 / -.001	0.125	+.015 / -.000	3.95
J06250937187/N	0.625 +.003 / -.003	0.625	0.937	0.187			0.937	+.001 / -.001	0.187	+.015 / -.000	3.10
J06251000125/N	0.625 +.003 / -.003	0.625	1.000	0.125			1.000	+.001 / -.001	0.125	+.015 / -.000	3.80
J06870937125/N	0.687 +.003 / -.003	0.687	0.937	0.125			0.937	+.001 / -.001	0.125	+.015 / -.000	5.35
J06871000187/N	0.687 +.003 / -.003	0.687	1.000	0.187			1.000	+.001 / -.001	0.187	+.015 / -.000	3.80
J07501000125/N	0.750 +.003 / -.003	0.750	1.000	0.125			1.000	+.001 / -.001	0.125	+.015 / -.000	3.35
J07501062187/N	0.750 +.003 / -.003	0.750	1.062	0.187			1.062	+.001 / -.001	0.187	+.015 / -.000	5.30
J07501125187/N	0.750 +.003 / -.003	0.750	1.125	0.187			1.125	+.001 / -.001	0.187	+.015 / -.000	3.05
J07501250250/N	0.750 +.003 / -.003	0.750	1.250	0.250			1.250	+.001 / -.001	0.250	+.015 / -.000	3.10
J08751125125/N	0.875 +.003 / -.003	0.875	1.125	0.125			1.125	+.001 / -.001	0.125	+.015 / -.000	3.25
J08751250187/N	0.875 +.003 / -.003	0.875	1.250	0.187			1.250	+.001 / -.001	0.187	+.015 / -.000	3.40
J10001250125/N	1.000 +.003 / -.003	1.000	1.250	0.125			1.250	+.001 / -.001	0.125	+.015 / -.000	3.25
J10001312125/N	1.000 +.003 / -.003	1.000	1.312	0.125			1.312	+.001 / -.001	0.125	+.015 / -.000	6.35
J10001375187/N	1.000 +.003 / -.003	1.000	1.375	0.187			1.375	+.001 / -.001	0.187	+.015 / -.000	3.70
J10001437250/N	1.000 +.003 / -.003	1.000	1.437	0.250			1.437	+.001 / -.001	0.250	+.015 / -.000	4.40
J10001500187/N	1.000 +.003 / -.003	1.000	1.500	0.187			1.500	+.001 / -.001	0.187	+.015 / -.000	3.10
J10001625250/N	1.000 +.003 / -.003	1.000	1.625	0.250			1.625	+.001 / -.001	0.250	+.015 / -.000	3.30
J10001625375/N	1.000 +.003 / -.003	1.000	1.625	0.375			1.625	+.001 / -.001	0.375	+.015 / -.000	10.05
J10621500187/N	1.062 +.003 / -.003	1.062	1.500	0.187			1.500	+.001 / -.001	0.187	+.015 / -.000	4.20
J11251375125/N	1.125 +.003 / -.003	1.125	1.375	0.125			1.375	+.001 / -.001	0.125	+.015 / -.000	3.10
J11251500187/N	1.125 +.003 / -.003	1.125	1.500	0.187			1.500	+.001 / -.001	0.187	+.015 / -.000	3.10
J11251500250/N	1.125 +.003 / -.003	1.125	1.500	0.250			1.500	+.001 / -.001	0.250	+.015 / -.000	3.30
J11251562250/N	1.125 +.003 / -.003	1.125	1.562	0.250			1.562	+.001 / -.001	0.250	+.015 / -.000	3.40
J11251625250/N	1.125 +.003 / -.003	1.125	1.625	0.250			1.625	+.001 / -.001	0.250	+.015 / -.000	3.40
J11871625250/N	1.187 +.003 / -.003	1.187	1.625	0.250			1.625	+.001 / -.001	0.250	+.015 / -.000	5.15
J12501500125/N	1.250 +.003 / -.003	1.250	1.500	0.125			1.500	+.001 / -.001	0.125	+.015 / -.000	3.10
J12501625250/N	1.250 +.003 / -.003	1.250	1.625	0.250			1.625	+.001 / -.001	0.250	+.015 / -.000	4.05
J12501687187/N	1.250 +.003 / -.003	1.250	1.687	0.187			1.687	+.001 / -.001	0.187	+.015 / -.000	3.40
J12501750250/N	1.250 +.003 / -.003	1.250	1.750	0.250			1.750	+.001 / -.001	0.250	+.015 / -.000	4.35
J12501875250/N	1.250 +.003 / -.003	1.250	1.875	0.250			1.875	+.001 / -.001	0.250	+.015 / -.000	4.95
J13751625125/N	1.375 +.003 / -.003	1.375	1.625	0.125			1.625	+.001 / -.001	0.125	+.015 / -.000	5.30
J13751750187/N	1.375 +.003 / -.003	1.375	1.750	0.187			1.750	+.001 / -.001	0.187	+.015 / -.000	3.40

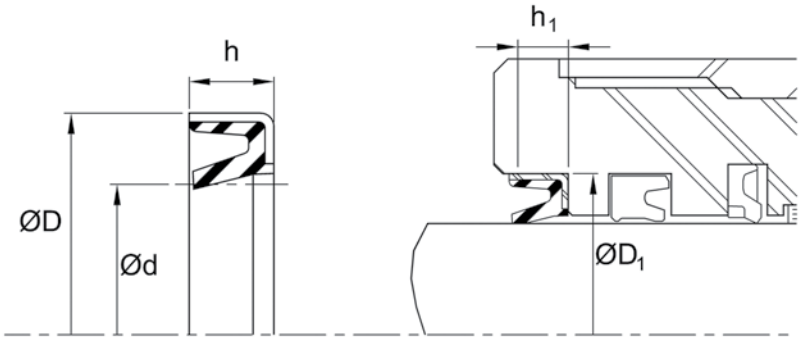
J/N SERIES - NBR/STEEL

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J13751875250/N	1.375	+.003 / -.003	1.375	1.875	0.250			1.875	+.001 / -.001	0.250	+.015 / -.000	4.80
J15001750125/N	1.500	+.003 / -.003	1.500	1.750	0.125			1.750	+.001 / -.001	0.125	+.015 / -.000	5.00
J15001875187/N	1.500	+.003 / -.003	1.500	1.875	0.187			1.875	+.001 / -.001	0.187	+.015 / -.000	3.40
J15001875250/N	1.500	+.003 / -.003	1.500	1.875	0.250			1.875	+.001 / -.001	0.250	+.015 / -.000	3.65
J15002000187/N	1.500	+.003 / -.003	1.500	2.000	0.187			2.000	+.001 / -.001	0.187	+.015 / -.000	5.05
J15002000250/N	1.500	+.003 / -.003	1.500	2.000	0.250			2.000	+.001 / -.001	0.250	+.015 / -.000	3.80
J15622500250/N	1.562	+.003 / -.003	1.562	2.500	0.250			2.500	+.001 / -.001	0.250	+.015 / -.000	10.60
J16252000187/N	1.625	+.003 / -.003	1.625	2.000	0.187			2.000	+.001 / -.001	0.187	+.015 / -.000	5.00
J16252125250/N	1.625	+.003 / -.003	1.625	2.125	0.250			2.125	+.001 / -.001	0.250	+.015 / -.000	5.20
J17502125187/N	1.750	+.003 / -.003	1.750	2.125	0.187			2.125	+.001 / -.001	0.187	+.015 / -.000	5.25
J17502156187/N	1.750	+.003 / -.003	1.750	2.156	0.187			2.156	+.001 / -.001	0.187	+.015 / -.000	5.35
J17502250250/N	1.750	+.003 / -.003	1.750	2.250	0.250			2.250	+.001 / -.001	0.250	+.015 / -.000	5.50
J17502375250/N	1.750	+.003 / -.003	1.750	2.375	0.250			2.375	+.001 / -.001	0.250	+.015 / -.000	5.60
J17502625250/N	1.750	+.003 / -.003	1.750	2.625	0.250			2.625	+.001 / -.001	0.250	+.015 / -.000	5.70
J18752250187/N	1.875	+.003 / -.003	1.875	2.250	0.187			2.250	+.001 / -.001	0.187	+.015 / -.000	5.90
J18752500250/N	1.875	+.003 / -.003	1.875	2.500	0.250			2.500	+.001 / -.001	0.250	+.015 / -.000	5.90
J20002375187/N	2.000	+.003 / -.003	2.000	2.375	0.187			2.375	+.001 / -.001	0.187	+.015 / -.000	5.90
J20002500250/N	2.000	+.003 / -.003	2.000	2.500	0.250			2.500	+.001 / -.001	0.250	+.015 / -.000	5.95
J20002625250/N	2.000	+.003 / -.003	2.000	2.625	0.250			2.625	+.001 / -.001	0.250	+.015 / -.000	6.10
J20002687375/N	2.000	+.003 / -.003	2.000	2.687	0.375			2.687	+.001 / -.001	0.375	+.015 / -.000	8.65
J21252500187/N	2.125	+.003 / -.003	2.125	2.500	0.187			2.500	+.001 / -.001	0.187	+.015 / -.000	6.95
J22502625187/N	2.250	+.003 / -.003	2.250	2.625	0.187			2.625	+.001 / -.001	0.187	+.015 / -.000	6.95
J22502625250/N	2.250	+.003 / -.003	2.250	2.625	0.250			2.625	+.001 / -.001	0.250	+.015 / -.000	6.95
J22502750250/N	2.250	+.003 / -.003	2.250	2.750	0.250			2.750	+.001 / -.001	0.250	+.015 / -.000	6.95
J22502875250/N	2.250	+.003 / -.003	2.250	2.875	0.250			2.875	+.001 / -.001	0.250	+.015 / -.000	7.55
J23753000250/N	2.375	+.003 / -.003	2.375	3.000	0.250			3.000	+.001 / -.001	0.250	+.015 / -.000	7.20
J25003000250/N	2.500	+.003 / -.003	2.500	3.000	0.250			3.000	+.002 / -.002	0.250	+.015 / -.000	7.10
J25003125250/N	2.500	+.003 / -.003	2.500	3.125	0.250			3.125	+.002 / -.002	0.250	+.015 / -.000	9.35
J27503125187/N	2.750	+.003 / -.003	2.750	3.125	0.187			3.125	+.002 / -.002	0.187	+.015 / -.000	7.90
J27503250250/N	2.750	+.003 / -.003	2.750	3.250	0.250			3.250	+.002 / -.002	0.250	+.015 / -.000	8.20
J27503750375/N	2.750	+.003 / -.003	2.750	3.750	0.375			3.750	+.002 / -.002	0.375	+.015 / -.000	10.25
J28753375250/N	2.875	+.003 / -.003	2.875	3.375	0.250			3.375	+.002 / -.002	0.250	+.015 / -.000	12.75
J30003500250/N	3.000	+.003 / -.003	3.000	3.500	0.250			3.500	+.002 / -.002	0.250	+.015 / -.000	7.80
J30003750250/N	3.000	+.003 / -.003	3.000	3.750	0.250			3.750	+.002 / -.002	0.250	+.015 / -.000	8.60
J32503875312/N	3.250	+.003 / -.003	3.250	3.875	0.312			3.875	+.002 / -.002	0.312	+.015 / -.000	18.10
J35004000250/N	3.500	+.003 / -.003	3.500	4.000	0.250			4.000	+.002 / -.002	0.250	+.015 / -.000	10.95

J/N - Rod Wipers

Nitrile/Steel



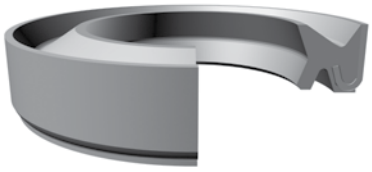


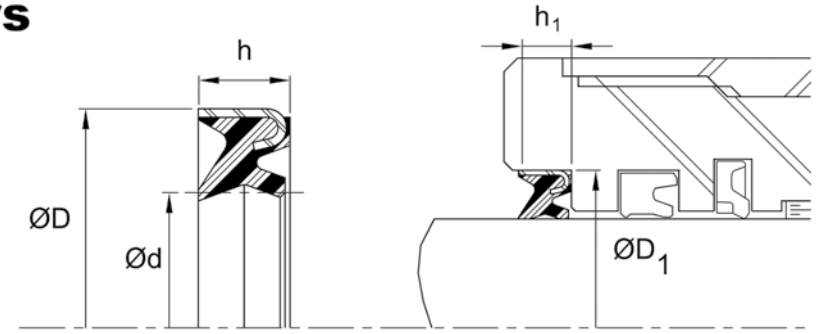
Temperature: -50/250F [-45/121C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-2H1746	1.250	+.003 / -.003	1.250					1.750	+.001 / -.001	0.280	+.015 / -.000	6.45
RCAT-5M9736	1.370	+.003 / -.003	1.370					2.100	+.001 / -.001	0.410	+.015 / -.000	O/R
RCAT-5P0091	1.500	+.003 / -.003	1.500					2.000	+.001 / -.001	0.250	+.015 / -.000	6.95
RCAT-9J4037	1.500	+.003 / -.003	1.500					2.250	+.001 / -.001	0.430	+.015 / -.000	O/R
RCAT-5P0092	1.750	+.003 / -.003	1.750					2.250	+.001 / -.001	0.250	+.015 / -.000	7.95
RCAT-8J5817	1.750	+.003 / -.003	1.750					2.437	+.001 / -.001	0.430	+.015 / -.000	O/R
RCAT-5P0093	2.000	+.003 / -.003	2.000					2.500	+.001 / -.001	0.250	+.015 / -.000	9.10
RCAT-7J8277	2.000	+.003 / -.003	2.000					2.687	+.001 / -.001	0.430	+.015 / -.000	O/R
RCAT-7J8278	2.250	+.003 / -.003	2.250					3.000	+.001 / -.001	0.430	+.015 / -.000	O/R
RCAT-9J1319	2.375	+.003 / -.003	2.375					3.120	+.001 / -.001	0.430	+.015 / -.000	O/R
RCAT-1B0936	2.500	+.003 / -.003	2.500					3.540	+.001 / -.001	0.510	+.015 / -.000	O/R
RCAT-5P0065	2.500	+.003 / -.003	2.500					3.010	+.001 / -.001	0.310	+.015 / -.000	O/R
RCAT-7J8273	2.500	+.003 / -.003	2.500					3.250	+.001 / -.001	0.430	+.015 / -.000	O/R
RCAT-7J8274	2.750	+.003 / -.003	2.750					3.750	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9H6079	2.750	+.003 / -.003	2.750					3.750	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-5P0064	3.000	+.003 / -.003	3.000					3.510	+.001 / -.001	0.310	+.015 / -.000	O/R
RCAT-8J0249	3.000	+.003 / -.003	3.000					4.000	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-7J7732	3.250	+.003 / -.003	3.250					4.250	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-1J2150	3.500	+.003 / -.003	3.500					4.500	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-7J8276	3.500	+.003 / -.003	3.500					4.500	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J1325	3.750	+.003 / -.003	3.750					4.750	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-3G2650	4.000	+.003 / -.003	4.000					5.000	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J1333	4.250	+.003 / -.003	4.250					5.250	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J1337	4.500	+.003 / -.003	4.500					5.500	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J1341	4.750	+.003 / -.003	4.750					5.750	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J1681	5.000	+.003 / -.003	5.000					6.000	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J5473	5.750	+.003 / -.003	5.750					6.750	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9J1697	6.000	+.003 / -.003	6.000					7.000	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-8J1877	6.500	+.003 / -.003	6.500					7.500	+.001 / -.001	0.650	+.015 / -.000	O/R
RCAT-3G2646	7.000	+.003 / -.003	7.000					8.000	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9X7355	18.450	+.003 / -.003	18.450					19.450	+.001 / -.001	0.550	+.015 / -.000	O/R

J/DL - Rod Wipers

Polyurethane/Steel





Temperature: -65/200F [-54/94C] **Pressure: N/A**

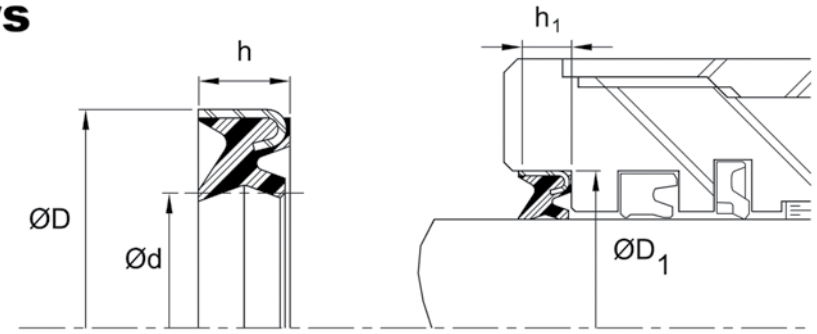
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
J15002250433DL	1.500	+.000 / -.003	1.500	2.250	0.433			2.250	+.001 / -.001	0.433	+.015 / -.000	28.05
J17502437433DL	1.750	+.000 / -.003	1.750	2.437	0.433			2.437	+.001 / -.001	0.433	+.015 / -.000	28.60
J20002687433DL	2.000	+.000 / -.003	2.000	2.687	0.433			2.687	+.001 / -.001	0.433	+.015 / -.000	29.95
J22503000433DL	2.250	+.000 / -.003	2.250	3.000	0.433			3.000	+.001 / -.001	0.433	+.015 / -.000	31.20
J25003250433DL	2.500	+.000 / -.003	2.500	3.250	0.433			3.250	+.001 / -.001	0.433	+.015 / -.000	34.60
J27503750550DL	2.750	+.000 / -.003	2.750	3.750	0.550			3.750	+.001 / -.001	0.550	+.015 / -.000	35.65
J30004000550DL	3.000	+.000 / -.004	3.000	4.000	0.550			4.000	+.001 / -.001	0.550	+.015 / -.000	36.80
J32504250550DL	3.250	+.000 / -.004	3.250	4.250	0.550			4.250	+.001 / -.001	0.550	+.015 / -.000	37.85
J35004500550DL	3.500	+.000 / -.004	3.500	4.500	0.550			4.500	+.001 / -.001	0.550	+.015 / -.000	38.80
J37504750550DL	3.750	+.000 / -.004	3.750	4.750	0.550			4.750	+.001 / -.001	0.550	+.015 / -.000	39.45
J40005000550DL	4.000	+.000 / -.004	4.000	5.000	0.550			5.000	+.001 / -.001	0.550	+.015 / -.000	39.75
J42505250550DL	4.250	+.000 / -.004	4.250	5.250	0.550			5.250	+.001 / -.001	0.550	+.015 / -.000	48.55
J47505750550DL	4.750	+.000 / -.004	4.750	5.750	0.550			5.750	+.001 / -.001	0.550	+.015 / -.000	50.50
J50006000550DL	5.000	+.000 / -.004	5.000	6.000	0.550			6.000	+.001 / -.001	0.550	+.015 / -.000	51.95
J52506250550DL	5.250	+.000 / -.004	5.250	6.250	0.550			6.250	+.001 / -.001	0.550	+.015 / -.000	52.45
J55006500550DL	5.500	+.000 / -.004	5.500	6.500	0.550			6.500	+.001 / -.001	0.550	+.015 / -.000	53.55
J57506750550DL	5.750	+.000 / -.004	5.750	6.750	0.550			6.750	+.001 / -.001	0.550	+.015 / -.000	54.45
J67507750550DL	6.750	+.000 / -.004	6.750	7.750	0.550			7.750	+.001 / -.001	0.550	+.015 / -.000	56.60
J70008000550DL	7.000	+.000 / -.005	7.000	8.000	0.550			8.000	+.001 / -.001	0.550	+.015 / -.000	82.70

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J/DL - Rod Wipers

Polyurethane/Steel





Temperature: -65/200F [-54/94C] **Pressure: N/A**

Ref.Number	Rod diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	h	d1	Tol.	D1	Tol.	h1	Tol.	
RCAT-8C9131	1.500 +.000 / -.003	1.500					2.250	+.001 / -.001	0.433	+.015 / -.000	20.00
RCAT-8C9132	1.750 +.000 / -.003	1.750					2.437	+.001 / -.001	0.433	+.015 / -.000	20.70
RCAT-9X3565	1.875 +.000 / -.003	1.875					2.562	+.001 / -.001	0.433	+.015 / -.000	O/R
RCAT-8C9133	2.000 +.000 / -.003	2.000					2.687	+.001 / -.001	0.433	+.015 / -.000	21.00
RCAT-9X3567	2.125 +.000 / -.003	2.125					2.875	+.001 / -.001	0.433	+.015 / -.000	O/R
RCAT-8C9134	2.250 +.000 / -.003	2.250					3.000	+.001 / -.001	0.433	+.015 / -.000	21.75
RCAT-9X7259	2.375 +.000 / -.003	2.375					3.125	+.001 / -.001	0.433	+.015 / -.000	O/R
RCAT-8C3840	2.500 +.000 / -.003	2.500					3.250	+.001 / -.001	0.433	+.015 / -.000	23.45
RCAT-9X3569	2.625 +.000 / -.003	2.625					3.375	+.001 / -.001	0.433	+.015 / -.000	O/R
RCAT-8C3842	2.750 +.000 / -.003	2.750					3.750	+.001 / -.001	0.550	+.015 / -.000	24.70
RCAT-8C5218	3.000 +.000 / -.004	3.000					4.000	+.001 / -.001	0.550	+.015 / -.000	25.40
RCAT-8T8389	3.250 +.000 / -.004	3.250					4.250	+.001 / -.001	0.550	+.015 / -.000	25.45
RCAT-8C9135	3.750 +.000 / -.004	3.750					4.750	+.001 / -.001	0.550	+.015 / -.000	27.65
RCAT-8C5220	4.000 +.000 / -.004	4.000					5.000	+.001 / -.001	0.550	+.015 / -.000	27.80
RCAT-6E0426	4.250 +.000 / -.004	4.250					5.250	+.001 / -.001	0.550	+.015 / -.000	37.60
RCAT-9X7262	4.750 +.000 / -.004	4.750					5.750	+.001 / -.001	0.550	+.015 / -.000	O/R
RCAT-9X3582	5.000 +.000 / -.004	5.000					6.000	+.001 / -.001	0.550	+.015 / -.000	46.65
RCAT-9X7268	5.250 +.000 / -.004	5.250					6.250	+.001 / -.001	0.550	+.015 / -.000	49.95
RCAT-9X3573	5.500 +.000 / -.004	5.500					6.500	+.001 / -.001	0.550	+.015 / -.000	51.00
RCAT-9X3574	5.750 +.000 / -.004	5.750					6.750	+.001 / -.001	0.550	+.015 / -.000	51.85
RCAT-9X7255	6.000 +.000 / -.004	6.000					7.000	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-9X7223	6.500 +.000 / -.004	6.500					7.500	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-8C9146	6.750 +.000 / -.004	6.750					7.750	+.001 / -.001	0.550	+.015 / -.000	58.20
RCAT-8C9136	7.000 +.000 / -.005	7.000					8.000	+.001 / -.001	0.550	+.015 / -.000	63.10
RCAT-1080134	7.250 +.000 / -.005	7.250					8.250	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-1080132	7.500 +.000 / -.005	7.500					8.500	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-6E0036	8.000 +.000 / -.005	8.000					9.000	+.001 / -.001	0.540	+.015 / -.000	O/R
RCAT-1086214	8.750 +.000 / -.005	8.750					9.750	+.001 / -.001	0.540	+.015 / -.000	O/R

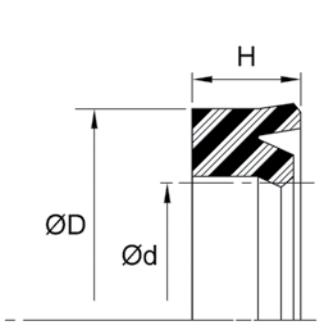


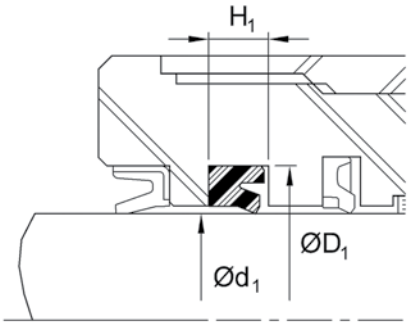
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	UR/HD	B	3
	UR-CAT	B	9
	E5	B	10
	BS/HD	B	11
	BS/3L	B	13
	BS/SL	B	14
	RE	B	14
INFO	BT & BR PROFILES	B	16
	BT	B	17
	BR	B	20
	HBY	B	21
	HBY-CAT	B	22
	CAT SEAL RING	B	23
	CAT STEP SEAL	B	25
	RSS	B	26
	R2B	B	31
	TR	B	33
INFO	CUSHION SEALS	B	35
	V6 - AU 90A	B	36
	V6 - NBR 80	B	36
	V6 - FPM 90	B	37

UR - Rod Seals

Polyurethane AU 92A







Temperature: -40/212F [-40/100C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR12500250-187	0.250	+.000 / -.001	0.250	0.500	0.187	0.250	+.000 / -.001	0.500	+.002 / -.000	0.206	+.015 / -.000	3.35
UR12500437	0.437	+.000 / -.001	0.437	0.687	0.125	0.437	+.000 / -.001	0.687	+.002 / -.000	0.138	+.015 / -.000	3.55
UR12500500	0.500	+.000 / -.001	0.500	0.750	0.125	0.500	+.000 / -.001	0.750	+.002 / -.000	0.138	+.015 / -.000	3.60
UR12500500-187	0.500	+.000 / -.001	0.500	0.750	0.187	0.500	+.000 / -.001	0.750	+.002 / -.000	0.206	+.015 / -.000	3.60
UR12500500-250	0.500	+.000 / -.001	0.500	0.750	0.250	0.500	+.000 / -.001	0.750	+.002 / -.000	0.275	+.015 / -.000	3.60
UR12500625-250	0.625	+.000 / -.001	0.625	0.875	0.250	0.625	+.000 / -.001	0.875	+.002 / -.000	0.275	+.015 / -.000	3.70
UR18700687	0.687	+.000 / -.001	0.687	1.062	0.187	0.687	+.000 / -.001	1.062	+.002 / -.000	0.206	+.015 / -.000	3.90
UR12500750-250	0.750	+.000 / -.001	0.750	1.000	0.250	0.750	+.000 / -.001	1.000	+.002 / -.000	0.275	+.015 / -.000	3.90
UR25000750	0.750	+.000 / -.001	0.750	1.250	0.250	0.750	+.000 / -.001	1.250	+.003 / -.000	0.275	+.015 / -.000	4.65
UR18700812	0.812	+.000 / -.001	0.812	1.187	0.187	0.812	+.000 / -.001	1.187	+.002 / -.000	0.206	+.015 / -.000	4.15
UR12500875-250	0.875	+.000 / -.001	0.875	1.125	0.250	0.875	+.000 / -.001	1.125	+.002 / -.000	0.275	+.015 / -.000	4.05
UR18700937-312	0.937	+.000 / -.001	0.937	1.312	0.312	0.937	+.000 / -.001	1.312	+.002 / -.000	0.343	+.015 / -.000	4.40
UR12501000-250	1.000	+.000 / -.001	1.000	1.250	0.250	1.000	+.000 / -.001	1.250	+.002 / -.000	0.275	+.015 / -.000	4.20
UR18701000-250	1.000	+.000 / -.001	1.000	1.375	0.250	1.000	+.000 / -.001	1.375	+.002 / -.000	0.275	+.015 / -.000	4.45
UR25001000-375	1.000	+.000 / -.001	1.000	1.500	0.375	1.000	+.000 / -.001	1.500	+.003 / -.000	0.413	+.015 / -.000	4.90
UR18701125-312	1.125	+.000 / -.001	1.125	1.500	0.312	1.125	+.000 / -.001	1.500	+.002 / -.000	0.343	+.015 / -.000	4.65
UR18701187-312	1.187	+.000 / -.001	1.187	1.562	0.312	1.187	+.000 / -.001	1.562	+.002 / -.000	0.343	+.015 / -.000	4.70
UR18701250-250	1.250	+.000 / -.001	1.250	1.625	0.250	1.250	+.000 / -.001	1.625	+.002 / -.000	0.275	+.015 / -.000	4.80
UR18701250-312	1.250	+.000 / -.001	1.250	1.625	0.312	1.250	+.000 / -.001	1.625	+.002 / -.000	0.343	+.015 / -.000	4.80
UR25001250-375	1.250	+.000 / -.001	1.250	1.750	0.375	1.250	+.000 / -.001	1.750	+.003 / -.000	0.413	+.015 / -.000	5.00
UR12501375-250	1.375	+.000 / -.001	1.375	1.625	0.250	1.375	+.000 / -.001	1.625	+.002 / -.000	0.275	+.015 / -.000	4.70
UR18701375-250	1.375	+.000 / -.001	1.375	1.750	0.250	1.375	+.000 / -.001	1.750	+.002 / -.000	0.275	+.015 / -.000	5.05
UR18701375-312	1.375	+.000 / -.001	1.375	1.750	0.312	1.375	+.000 / -.001	1.750	+.002 / -.000	0.343	+.015 / -.000	5.05
UR18701500-250	1.500	+.000 / -.002	1.500	1.875	0.250	1.500	+.000 / -.002	1.875	+.002 / -.000	0.275	+.015 / -.000	5.20
UR18701500-312	1.500	+.000 / -.002	1.500	1.875	0.312	1.500	+.000 / -.002	1.875	+.002 / -.000	0.343	+.015 / -.000	5.20
UR18701500-375	1.500	+.000 / -.002	1.500	1.875	0.375	1.500	+.000 / -.002	1.875	+.002 / -.000	0.413	+.015 / -.000	5.20
UR25001500-375	1.500	+.000 / -.002	1.500	2.000	0.375	1.500	+.000 / -.002	2.000	+.003 / -.000	0.413	+.015 / -.000	5.90
UR18701625-375	1.625	+.000 / -.002	1.625	2.000	0.375	1.625	+.000 / -.002	2.000	+.002 / -.000	0.413	+.015 / -.000	5.50
UR25001625-375	1.625	+.000 / -.002	1.625	2.125	0.375	1.625	+.000 / -.002	2.125	+.003 / -.000	0.413	+.015 / -.000	6.20
UR18701750-250	1.750	+.000 / -.002	1.750	2.125	0.250	1.750	+.000 / -.002	2.125	+.002 / -.000	0.275	+.015 / -.000	5.80
UR18701750-375	1.750	+.000 / -.002	1.750	2.125	0.375	1.750	+.000 / -.002	2.125	+.002 / -.000	0.413	+.015 / -.000	5.80
UR25001750-375	1.750	+.000 / -.002	1.750	2.250	0.375	1.750	+.000 / -.002	2.250	+.003 / -.000	0.413	+.015 / -.000	6.50
UR18702000-312	2.000	+.000 / -.002	2.000	2.375	0.312	2.000	+.000 / -.002	2.375	+.002 / -.000	0.343	+.015 / -.000	6.45
UR18702000-375	2.000	+.000 / -.002	2.000	2.375	0.375	2.000	+.000 / -.002	2.375	+.002 / -.000	0.413	+.015 / -.000	6.45
UR25002000-375	2.000	+.000 / -.002	2.000	2.500	0.375	2.000	+.000 / -.002	2.500	+.003 / -.000	0.413	+.015 / -.000	7.05
UR18702250-281	2.250	+.000 / -.002	2.250	2.625	0.281	2.250	+.000 / -.002	2.625	+.002 / -.000	0.309	+.015 / -.000	7.20
UR25002250-375	2.250	+.000 / -.002	2.250	2.750	0.375	2.250	+.000 / -.002	2.750	+.003 / -.000	0.413	+.015 / -.000	7.90
UR31202250-500	2.250	+.000 / -.002	2.250	2.875	0.500	2.250	+.000 / -.002	2.875	+.003 / -.000	0.550	+.015 / -.000	9.50

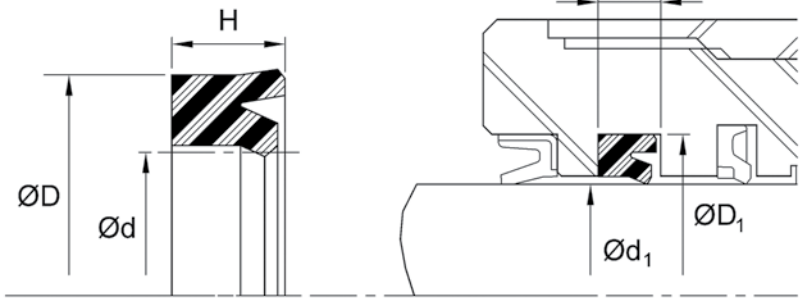
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Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR18702500-375	2.500	+.000 / -.002	2.500	2.875	0.375	2.500	+.000 / -.002	2.875	+.002 / -.000	0.413	+.015 / -.000	8.90
UR25002500-375	2.500	+.000 / -.002	2.500	3.000	0.375	2.500	+.000 / -.002	3.000	+.003 / -.000	0.413	+.015 / -.000	8.75
UR37502750-625	2.750	+.000 / -.002	2.750	3.500	0.625	2.750	+.000 / -.002	3.500	+.004 / -.000	0.688	+.015 / -.000	15.30
UR21803000-375	3.000	+.000 / -.003	3.000	3.437	0.312	3.000	+.000 / -.003	3.437	+.003 / -.000	0.343	+.015 / -.000	10.35
UR25003000-375	3.000	+.000 / -.003	3.000	3.500	0.375	3.000	+.000 / -.003	3.500	+.003 / -.000	0.413	+.015 / -.000	10.35
UR25003250-375	3.250	+.000 / -.003	3.250	3.750	0.375	3.250	+.000 / -.003	3.750	+.003 / -.000	0.413	+.015 / -.000	11.00
UR25003500-375	3.500	+.000 / -.003	3.500	4.000	0.375	3.500	+.000 / -.003	4.000	+.003 / -.000	0.413	+.015 / -.000	11.95
UR31203500-500	3.500	+.000 / -.003	3.500	4.125	0.500	3.500	+.000 / -.003	4.125	+.004 / -.000	0.550	+.015 / -.000	13.80
UR37503500-625	3.500	+.000 / -.003	3.500	4.250	0.625	3.500	+.000 / -.003	4.250	+.004 / -.000	0.688	+.015 / -.000	19.00
UR25004000-375	4.000	+.000 / -.003	4.000	4.500	0.375	4.000	+.000 / -.003	4.500	+.003 / -.000	0.413	+.015 / -.000	13.30
UR25004000-562	4.000	+.000 / -.003	4.000	4.500	0.562	4.000	+.000 / -.003	4.500	+.003 / -.000	0.618	+.015 / -.000	13.30
UR37504000-625	4.000	+.000 / -.003	4.000	4.750	0.625	4.000	+.000 / -.003	4.750	+.004 / -.000	0.688	+.015 / -.000	21.50
UR37504375	4.375	+.000 / -.003	4.375	5.125	0.375	4.375	+.000 / -.003	5.125	+.004 / -.000	0.413	+.015 / -.000	23.00
UR28105000-500	5.000	+.000 / -.003	5.000	5.562	0.500	5.000	+.000 / -.003	5.562	+.003 / -.000	0.550	+.015 / -.000	20.40

UR/HD - Rod Seals

Polyurethane AU 92A





Temperature: -40/212F [-40/100C] **Pressure: 6000 PSI [415 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR12500375/HD	0.375	+.000 / -.002	0.375	0.625	0.125	0.375	+.000 / -.002	0.625	+.004 / - .000	0.138	+.015 / -.000	6.40
UR12500500/HD	0.500	+.000 / -.002	0.500	0.750	0.125	0.500	+.000 / -.002	0.750	+.004 / - .000	0.138	+.015 / -.000	6.40
UR18700562-312/HD	0.562	+.000 / -.002	0.562	0.937	0.312	0.562	+.000 / -.002	0.937	+.005 / - .000	0.343	+.015 / -.000	6.35
UR12500625/HD	0.625	+.000 / -.002	0.625	0.875	0.125	0.625	+.000 / -.002	0.875	+.005 / - .000	0.138	+.015 / -.000	6.40
UR12500625-187/HD	0.625	+.000 / -.002	0.625	0.875	0.187	0.625	+.000 / -.002	0.875	+.005 / - .000	0.206	+.015 / -.000	6.40
UR12500625-250/HD	0.625	+.000 / -.002	0.625	0.875	0.250	0.625	+.000 / -.002	0.875	+.005 / - .000	0.275	+.015 / -.000	6.60
UR18700625/HD	0.625	+.000 / -.002	0.625	1.000	0.187	0.625	+.000 / -.002	1.000	+.005 / - .000	0.206	+.015 / -.000	6.40
UR18700625-250/HD	0.625	+.000 / -.002	0.625	1.000	0.250	0.625	+.000 / -.002	1.000	+.005 / - .000	0.275	+.015 / -.000	6.65
UR18700625-312/HD	0.625	+.000 / -.002	0.625	1.000	0.312	0.625	+.000 / -.002	1.000	+.005 / - .000	0.343	+.015 / -.000	6.60
UR18700687/HD	0.687	+.000 / -.002	0.687	1.062	0.187	0.687	+.000 / -.002	1.062	+.005 / - .000	0.206	+.015 / -.000	6.65
UR18700687-250/HD	0.687	+.000 / -.002	0.687	1.062	0.250	0.687	+.000 / -.002	1.062	+.005 / - .000	0.275	+.015 / -.000	6.85
UR18700687-312/HD	0.687	+.000 / -.002	0.687	1.062	0.312	0.687	+.000 / -.002	1.062	+.005 / - .000	0.343	+.015 / -.000	6.85

UR/HD SERIES - AU 92A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR09400750-187/HD	0.750	+.000 / -.003	0.750	0.937	0.187	0.750	+.000 / -.003	0.937	+.005 / - .000	0.206	+.015 / -.000	6.10
UR12500750/HD	0.750	+.000 / -.003	0.750	1.000	0.125	0.750	+.000 / -.003	1.000	+.005 / - .000	0.138	+.015 / -.000	7.45
UR12500750-156/HD	0.750	+.000 / -.003	0.750	1.000	0.156	0.750	+.000 / -.003	1.000	+.005 / - .000	0.172	+.015 / -.000	6.65
UR12500750-187/HD	0.750	+.000 / -.003	0.750	1.000	0.187	0.750	+.000 / -.003	1.000	+.005 / - .000	0.206	+.015 / -.000	6.65
UR12500750-250/HD	0.750	+.000 / -.003	0.750	1.000	0.250	0.750	+.000 / -.003	1.000	+.005 / - .000	0.275	+.015 / -.000	6.75
UR18700750/HD	0.750	+.000 / -.003	0.750	1.125	0.187	0.750	+.000 / -.003	1.125	+.005 / - .000	0.206	+.015 / -.000	6.85
UR18700750-250/HD	0.750	+.000 / -.003	0.750	1.125	0.250	0.750	+.000 / -.003	1.125	+.005 / - .000	0.275	+.015 / -.000	7.20
UR18700750-312/HD	0.750	+.000 / -.003	0.750	1.125	0.312	0.750	+.000 / -.003	1.125	+.005 / - .000	0.343	+.015 / -.000	7.25
UR12500812/HD	0.812	+.000 / -.003	0.812	1.062	0.125	0.812	+.000 / -.003	1.062	+.005 / - .000	0.138	+.015 / -.000	6.85
UR18700812-250/HD	0.812	+.000 / -.003	0.812	1.187	0.250	0.812	+.000 / -.003	1.187	+.005 / - .000	0.275	+.015 / -.000	7.75
UR18700812-312/HD	0.812	+.000 / -.003	0.812	1.187	0.312	0.812	+.000 / -.003	1.187	+.005 / - .000	0.343	+.015 / -.000	7.50
UR12500875/HD	0.875	+.000 / -.003	0.875	1.125	0.125	0.875	+.000 / -.003	1.125	+.005 / - .000	0.138	+.015 / -.000	6.85
UR12500875-187/HD	0.875	+.000 / -.003	0.875	1.125	0.187	0.875	+.000 / -.003	1.125	+.005 / - .000	0.206	+.015 / -.000	6.85
UR12500875-250/HD	0.875	+.000 / -.003	0.875	1.125	0.250	0.875	+.000 / -.003	1.125	+.005 / - .000	0.275	+.015 / -.000	7.00
UR18700875/HD	0.875	+.000 / -.003	0.875	1.250	0.187	0.875	+.000 / -.003	1.250	+.005 / - .000	0.206	+.015 / -.000	7.55
UR18700875-250/HD	0.875	+.000 / -.003	0.875	1.250	0.250	0.875	+.000 / -.003	1.250	+.005 / - .000	0.275	+.015 / -.000	7.95
UR18700875-312/HD	0.875	+.000 / -.003	0.875	1.250	0.312	0.875	+.000 / -.003	1.250	+.005 / - .000	0.343	+.015 / -.000	7.75
UR12500937-187/HD	0.937	+.000 / -.003	0.937	1.187	0.187	0.937	+.000 / -.003	1.187	+.005 / - .000	0.206	+.015 / -.000	6.35
UR25000937-375/HD	0.937	+.000 / -.003	0.937	1.000	0.375	0.937	+.000 / -.003	1.000	+.005 / - .000	0.413	+.015 / -.000	8.40
UR12501000/HD	1.000	+.000 / -.003	1.000	1.250	0.125	1.000	+.000 / -.003	1.250	+.005 / - .000	0.138	+.015 / -.000	7.25
UR12501000-156/HD	1.000	+.000 / -.003	1.000	1.250	0.156	1.000	+.000 / -.003	1.250	+.005 / - .000	0.172	+.015 / -.000	O/R
UR12501000-187/HD	1.000	+.000 / -.003	1.000	1.250	0.187	1.000	+.000 / -.003	1.250	+.005 / - .000	0.206	+.015 / -.000	7.25
UR12501000-250/HD	1.000	+.000 / -.003	1.000	1.250	0.250	1.000	+.000 / -.003	1.250	+.005 / - .000	0.275	+.015 / -.000	7.80
UR18701000/HD	1.000	+.000 / -.003	1.000	1.375	0.187	1.000	+.000 / -.003	1.375	+.005 / - .000	0.206	+.015 / -.000	7.90
UR18701000-250/HD	1.000	+.000 / -.003	1.000	1.375	0.250	1.000	+.000 / -.003	1.375	+.005 / - .000	0.275	+.015 / -.000	8.15
UR18701000-312/HD	1.000	+.000 / -.003	1.000	1.375	0.312	1.000	+.000 / -.003	1.375	+.005 / - .000	0.343	+.015 / -.000	8.40
UR25001000/HD	1.000	+.000 / -.003	1.000	1.500	0.250	1.000	+.000 / -.003	1.500	+.007 / - .000	0.275	+.015 / -.000	8.60
UR25001000-312/HD	1.000	+.000 / -.003	1.000	1.500	0.312	1.000	+.000 / -.003	1.500	+.007 / - .000	0.343	+.015 / -.000	8.60
UR25001000-375/HD	1.000	+.000 / -.003	1.000	1.500	0.375	1.000	+.000 / -.003	1.500	+.007 / - .000	0.413	+.015 / -.000	8.45
UR29701031-375/HD	1.031	+.000 / -.003	1.031	1.625	0.375	1.031	+.000 / -.003	1.625	+.005 / - .000	0.413	+.015 / -.000	10.20
UR18701062-312/HD	1.062	+.000 / -.003	1.062	1.437	0.312	1.062	+.000 / -.003	1.437	+.005 / - .000	0.343	+.015 / -.000	8.20
UR18701125-250/HD	1.125	+.000 / -.003	1.125	1.500	0.250	1.125	+.000 / -.003	1.500	+.007 / - .000	0.275	+.015 / -.000	8.60
UR18701125-312/HD	1.125	+.000 / -.003	1.125	1.500	0.312	1.125	+.000 / -.003	1.500	+.007 / - .000	0.343	+.015 / -.000	9.05
UR18701125-375/HD	1.125	+.000 / -.003	1.125	1.500	0.312	1.125	+.000 / -.003	1.500	+.007 / - .000	0.343	+.015 / -.000	8.60
UR25001125/HD	1.125	+.000 / -.003	1.125	1.625	0.250	1.125	+.000 / -.003	1.625	+.007 / - .000	0.275	+.015 / -.000	8.65
UR25001125-375/HD	1.125	+.000 / -.003	1.125	1.625	0.375	1.125	+.000 / -.003	1.625	+.007 / - .000	0.413	+.015 / -.000	8.60
UR31201125/HD	1.125	+.000 / -.003	1.125	1.750	0.312	1.125	+.000 / -.003	1.750	+.007 / - .000	0.343	+.015 / -.000	10.45
UR18701187-250/HD	1.187	+.000 / -.003	1.187	1.562	0.250	1.187	+.000 / -.003	1.562	+.007 / - .000	0.275	+.015 / -.000	8.70
UR12501250-250/HD	1.250	+.000 / -.003	1.250	1.500	0.250	1.250	+.000 / -.003	1.500	+.007 / - .000	0.275	+.015 / -.000	8.15
UR18701250-250/HD	1.250	+.000 / -.003	1.250	1.625	0.250	1.250	+.000 / -.003	1.625	+.007 / - .000	0.275	+.015 / -.000	8.95
UR18701250-312/HD	1.250	+.000 / -.003	1.250	1.625	0.312	1.250	+.000 / -.003	1.625	+.007 / - .000	0.343	+.015 / -.000	9.25
UR18701250-375/HD	1.250	+.000 / -.003	1.250	1.625	0.375	1.250	+.000 / -.003	1.625	+.007 / - .000	0.413	+.015 / -.000	10.45
UR25001250/HD	1.250	+.000 / -.003	1.250	1.750	0.250	1.250	+.000 / -.003	1.750	+.007 / - .000	0.275	+.015 / -.000	8.60
UR25001250-187/HD	1.250	+.000 / -.003	1.250	1.750	0.187	1.250	+.000 / -.003	1.750	+.007 / - .000	0.206	+.015 / -.000	8.70
UR25001250-312/HD	1.250	+.000 / -.003	1.250	1.750	0.312	1.250	+.000 / -.003	1.750	+.007 / - .000	0.343	+.015 / -.000	8.60
UR25001250-375/HD	1.250	+.000 / -.003	1.250	1.750	0.375	1.250	+.000 / -.003	1.750	+.007 / - .000	0.413	+.015 / -.000	9.35
UR31201250-437/HD	1.250	+.000 / -.003	1.250	1.875	0.437	1.250	+.000 / -.003	1.875	+.007 / - .000	0.481	+.015 / -.000	10.95
UR25001312-375/HD	1.312	+.000 / -.003	1.312	1.812	0.375	1.312	+.000 / -.003	1.812	+.007 / - .000	0.413	+.015 / -.000	9.50

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR12501375-250/HD	1.375	+.000 / -.003	1.375	1.625	0.250	1.375	+.000 / -.003	1.625	+.007 / - .000	0.275	+.015 / -.000	7.90
UR18701375/HD	1.375	+.000 / -.003	1.375	1.750	0.312	1.375	+.000 / -.003	1.750	+.007 / - .000	0.343	+.015 / -.000	10.75
UR18701375-375/HD	1.375	+.000 / -.003	1.375	1.750	0.375	1.375	+.000 / -.003	1.750	+.007 / - .000	0.413	+.015 / -.000	9.10
UR25001375-312/HD	1.375	+.000 / -.003	1.375	1.875	0.312	1.375	+.000 / -.003	1.875	+.007 / - .000	0.343	+.015 / -.000	9.60
UR25001375-375/HD	1.375	+.000 / -.003	1.375	1.875	0.375	1.375	+.000 / -.003	1.875	+.007 / - .000	0.413	+.015 / -.000	9.80
UR31201375-375/HD	1.375	+.000 / -.003	1.375	2.000	0.375	1.375	+.000 / -.003	2.000	+.008 / - .000	0.413	+.015 / -.000	12.35
UR18701500-250/HD	1.500	+.000 / -.003	1.500	1.875	0.250	1.500	+.000 / -.003	1.875	+.007 / - .000	0.275	+.015 / -.000	9.50
UR18701500-312/HD	1.500	+.000 / -.003	1.500	1.875	0.312	1.500	+.000 / -.003	1.875	+.007 / - .000	0.343	+.015 / -.000	9.90
UR18701500-375/HD	1.500	+.000 / -.003	1.500	1.875	0.375	1.500	+.000 / -.003	1.875	+.007 / - .000	0.413	+.015 / -.000	9.35
UR25001500-312/HD	1.500	+.000 / -.003	1.500	2.000	0.312	1.500	+.000 / -.003	2.000	+.008 / - .000	0.343	+.015 / -.000	10.45
UR25001500-375/HD	1.500	+.000 / -.003	1.500	2.000	0.375	1.500	+.000 / -.003	2.000	+.008 / - .000	0.413	+.015 / -.000	10.75
UR31201500-500/HD	1.500	+.000 / -.003	1.500	2.125	0.500	1.500	+.000 / -.003	2.125	+.008 / - .000	0.550	+.015 / -.000	13.25
UR18701625-250/HD	1.625	+.000 / -.003	1.625	2.000	0.250	1.625	+.000 / -.003	2.000	+.008 / - .000	0.275	+.015 / -.000	9.80
UR18701625-312/HD	1.625	+.000 / -.003	1.625	2.000	0.312	1.625	+.000 / -.003	2.000	+.008 / - .000	0.343	+.015 / -.000	10.20
UR18701625-375/HD	1.625	+.000 / -.003	1.625	2.000	0.375	1.625	+.000 / -.003	2.000	+.008 / - .000	0.413	+.015 / -.000	10.65
UR25001625-312/HD	1.625	+.000 / -.003	1.625	2.875	0.312	1.625	+.000 / -.003	2.125	+.008 / - .000	0.343	+.015 / -.000	11.05
UR25001625-375/HD	1.625	+.000 / -.003	1.625	2.875	0.375	1.625	+.000 / -.003	2.125	+.008 / - .000	0.413	+.015 / -.000	11.20
UR18701687-281/HD	1.687	+.000 / -.003	1.687	2.062	0.281	1.687	+.000 / -.003	2.062	+.008 / - .000	0.309	+.015 / -.000	10.45
UR18701750-250/HD	1.750	+.000 / -.003	1.750	2.125	0.250	1.750	+.000 / -.003	2.125	+.008 / - .000	0.275	+.015 / -.000	10.45
UR18701750-275/HD	1.750	+.000 / -.003	1.750	2.125	0.275	1.750	+.000 / -.003	2.125	+.008 / - .000	0.303	+.015 / -.000	10.55
UR18701750-312/HD	1.750	+.000 / -.003	1.750	2.125	0.312	1.750	+.000 / -.003	2.125	+.008 / - .000	0.343	+.015 / -.000	10.75
UR18701750-375/HD	1.750	+.000 / -.003	1.750	2.125	0.375	1.750	+.000 / -.003	2.125	+.008 / - .000	0.413	+.015 / -.000	11.05
UR25001750/HD	1.750	+.000 / -.003	1.750	2.250	0.250	1.750	+.000 / -.003	2.250	+.008 / - .000	0.275	+.015 / -.000	11.35
UR25001750-312/HD	1.750	+.000 / -.003	1.750	2.250	0.312	1.750	+.000 / -.003	2.250	+.008 / - .000	0.343	+.015 / -.000	11.55
UR25001750-375/HD	1.750	+.000 / -.003	1.750	2.250	0.375	1.750	+.000 / -.003	2.250	+.008 / - .000	0.413	+.015 / -.000	12.00
UR31201750-375/HD	1.750	+.000 / -.003	1.750	2.375	0.375	1.750	+.000 / -.003	2.375	+.008 / - .000	0.413	+.015 / -.000	13.60
UR31201750-500/HD	1.750	+.000 / -.003	1.750	2.375	0.500	1.750	+.000 / -.003	2.375	+.008 / - .000	0.550	+.015 / -.000	14.65
UR12501875-250/HD	1.875	+.000 / -.003	1.875	2.125	0.250	1.875	+.000 / -.003	2.125	+.008 / - .000	0.275	+.015 / -.000	6.35
UR18701875-312/HD	1.875	+.000 / -.003	1.875	2.250	0.312	1.875	+.000 / -.003	2.250	+.008 / - .000	0.343	+.015 / -.000	11.70
UR18701875-375/HD	1.875	+.000 / -.003	1.875	2.250	0.375	1.875	+.000 / -.003	2.250	+.008 / - .000	0.413	+.015 / -.000	11.35
UR25001875-375/HD	1.875	+.000 / -.003	1.875	2.375	0.375	1.875	+.000 / -.003	2.375	+.008 / - .000	0.413	+.015 / -.000	O/R
UR18702000-250/HD	2.000	+.000 / -.003	2.000	2.375	0.250	2.000	+.000 / -.003	2.375	+.008 / - .000	0.275	+.015 / -.000	11.55
UR18702000-312/HD	2.000	+.000 / -.003	2.000	2.375	0.312	2.000	+.000 / -.003	2.375	+.008 / - .000	0.343	+.015 / -.000	11.80
UR18702000-375/HD	2.000	+.000 / -.003	2.000	2.375	0.375	2.000	+.000 / -.003	2.375	+.008 / - .000	0.413	+.015 / -.000	11.45
UR25002000/HD	2.000	+.000 / -.003	2.000	2.500	0.250	2.000	+.000 / -.003	2.500	+.008 / - .000	0.275	+.015 / -.000	12.10
UR25002000-312/HD	2.000	+.000 / -.003	2.000	2.500	0.312	2.000	+.000 / -.003	2.500	+.008 / - .000	0.343	+.015 / -.000	12.60
UR25002000-375/HD	2.000	+.000 / -.003	2.000	2.500	0.375	2.000	+.000 / -.003	2.500	+.008 / - .000	0.413	+.015 / -.000	13.25
UR31202000/HD	2.000	+.000 / -.003	2.000	2.625	0.312	2.000	+.000 / -.003	2.625	+.008 / - .000	0.343	+.015 / -.000	14.85
UR31202000-375/HD	2.000	+.000 / -.003	2.000	2.625	0.375	2.000	+.000 / -.003	2.625	+.008 / - .000	0.413	+.015 / -.000	15.25
UR31202000-500/HD	2.000	+.000 / -.003	2.000	2.625	0.500	2.000	+.000 / -.003	2.625	+.008 / - .000	0.550	+.015 / -.000	16.35
UR37502000/HD	2.000	+.000 / -.003	2.000	2.750	0.375	2.000	+.000 / -.003	2.750	+.008 / - .000	0.413	+.015 / -.000	20.25
UR37502000-500/HD	2.000	+.000 / -.003	2.000	2.750	0.500	2.000	+.000 / -.003	2.750	+.008 / - .000	0.550	+.015 / -.000	20.70
UR37502000-625/HD	2.000	+.000 / -.003	2.000	2.750	0.625	2.000	+.000 / -.003	2.750	+.008 / - .000	0.688	+.015 / -.000	24.80
UR18702125/HD	2.125	+.000 / -.003	2.125	2.500	0.187	2.125	+.000 / -.003	2.500	+.008 / - .000	0.206	+.015 / -.000	12.70
UR25002125-312/HD	2.125	+.000 / -.003	2.125	2.625	0.312	2.125	+.000 / -.003	2.625	+.008 / - .000	0.343	+.015 / -.000	13.60
UR25002125-375/HD	2.125	+.000 / -.003	2.125	2.625	0.375	2.125	+.000 / -.003	2.625	+.008 / - .000	0.413	+.015 / -.000	13.60
UR31202125-500/HD	2.125	+.000 / -.003	2.125	2.750	0.500	2.125	+.000 / -.003	2.750	+.008 / - .000	0.550	+.015 / -.000	16.40
UR18702250-375/HD	2.250	+.000 / -.003	2.250	2.625	0.375	2.250	+.000 / -.003	2.625	+.008 / - .000	0.413	+.015 / -.000	13.45

UR/HD SERIES - AU 92A

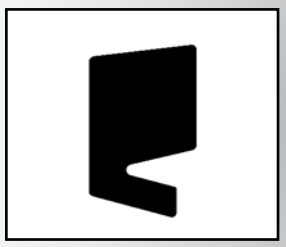
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR25002250-312/HD	2.250	+.000 / -.003	2.250	2.750	0.312	2.250	+.000 / -.003	2.750	+.008 / - .000	0.343	+.015 / -.000	14.30
UR25002250-375/HD	2.250	+.000 / -.003	2.250	2.750	0.375	2.250	+.000 / -.003	2.750	+.008 / - .000	0.413	+.015 / -.000	14.55
UR28102250-375/HD	2.250	+.000 / -.003	2.250	2.812	0.375	2.250	+.000 / -.003	2.812	+.008 / - .000	0.413	+.015 / -.000	11.05
UR31202250-375/HD	2.250	+.000 / -.003	2.250	2.875	0.375	2.250	+.000 / -.003	2.875	+.008 / - .000	0.413	+.015 / -.000	O/R
UR31202250-437/HD	2.250	+.000 / -.003	2.250	2.875	0.437	2.250	+.000 / -.003	2.875	+.008 / - .000	0.481	+.015 / -.000	17.15
UR31202250-500/HD	2.250	+.000 / -.003	2.250	2.875	0.500	2.250	+.000 / -.003	2.875	+.008 / - .000	0.550	+.015 / -.000	17.15
UR25002375-312/HD	2.375	+.000 / -.003	2.375	2.875	0.312	2.375	+.000 / -.003	2.875	+.008 / - .000	0.343	+.015 / -.000	14.90
UR25002375-375/HD	2.375	+.000 / -.003	2.375	2.875	0.375	2.375	+.000 / -.003	2.875	+.008 / - .000	0.413	+.015 / -.000	13.90
UR31202375-375/HD	2.375	+.000 / -.003	2.375	3.000	0.375	2.375	+.000 / -.003	3.000	+.008 / - .000	0.413	+.015 / -.000	17.50
UR31202375-500/HD	2.375	+.000 / -.003	2.375	3.000	0.500	2.375	+.000 / -.003	3.000	+.008 / - .000	0.550	+.015 / -.000	17.60
UR18702500-312/HD	2.500	+.000 / -.003	2.500	2.875	0.312	2.500	+.000 / -.003	2.875	+.008 / - .000	0.343	+.015 / -.000	14.05
UR18702500-375/HD	2.500	+.000 / -.003	2.500	2.875	0.375	2.500	+.000 / -.003	2.875	+.008 / - .000	0.413	+.015 / -.000	13.90
UR25002500/HD	2.500	+.000 / -.003	2.500	3.000	0.250	2.500	+.000 / -.003	3.000	+.008 / - .000	0.275	+.015 / -.000	15.05
UR25002500-312/HD	2.500	+.000 / -.003	2.500	3.000	0.312	2.500	+.000 / -.003	3.000	+.008 / - .000	0.343	+.015 / -.000	15.70
UR25002500-375/HD	2.500	+.000 / -.003	2.500	3.000	0.375	2.500	+.000 / -.003	3.000	+.008 / - .000	0.413	+.015 / -.000	16.35
UR31202500-375/HD	2.500	+.000 / -.003	2.500	3.125	0.375	2.500	+.000 / -.003	3.125	+.008 / - .000	0.413	+.015 / -.000	17.90
UR31202500-437/HD	2.500	+.000 / -.003	2.500	3.125	0.437	2.500	+.000 / -.003	3.125	+.008 / - .000	0.481	+.015 / -.000	18.15
UR31202500-500/HD	2.500	+.000 / -.003	2.500	3.125	0.500	2.500	+.000 / -.003	3.125	+.008 / - .000	0.550	+.015 / -.000	19.55
UR25002625-375/HD	2.625	+.000 / -.003	2.625	3.125	0.375	2.625	+.000 / -.003	3.125	+.009 / - .000	0.413	+.015 / -.000	17.50
UR37502625-500/HD	2.625	+.000 / -.003	2.625	3.375	0.500	2.625	+.000 / -.003	3.375	+.009 / - .000	0.550	+.015 / -.000	26.40
UR37502625-625/HD	2.625	+.000 / -.003	2.625	3.375	0.625	2.625	+.000 / -.003	3.375	+.009 / - .000	0.688	+.015 / -.000	28.95
UR25002750-375/HD	2.750	+.000 / -.003	2.750	3.250	0.375	2.750	+.000 / -.003	3.250	+.009 / - .000	0.413	+.015 / -.000	18.40
UR31202750-375/HD	2.750	+.000 / -.003	2.750	3.375	0.375	2.750	+.000 / -.003	3.375	+.009 / - .000	0.413	+.015 / -.000	19.80
UR31202750-500/HD	2.750	+.000 / -.003	2.750	3.375	0.500	2.750	+.000 / -.003	3.375	+.009 / - .000	0.550	+.015 / -.000	20.95
UR25003000-375/HD	3.000	+.000 / -.004	3.000	3.500	0.375	3.000	+.000 / -.004	3.500	+.009 / - .000	0.413	+.015 / -.000	19.70
UR31203000-375/HD	3.000	+.000 / -.004	3.000	3.625	0.375	3.000	+.000 / -.004	3.625	+.009 / - .000	0.413	+.015 / -.000	21.20
UR31203000-500/HD	3.000	+.000 / -.004	3.000	3.625	0.500	3.000	+.000 / -.004	3.625	+.009 / - .000	0.550	+.015 / -.000	21.20
UR37503000/HD	3.000	+.000 / -.004	3.000	3.750	0.375	3.000	+.000 / -.004	3.750	+.009 / - .000	0.413	+.015 / -.000	29.45
UR37503000-500/HD	3.000	+.000 / -.004	3.000	3.750	0.500	3.000	+.000 / -.004	3.750	+.009 / - .000	0.550	+.015 / -.000	29.80
UR37503000-562/HD	3.000	+.000 / -.004	3.000	3.750	0.562	3.000	+.000 / -.004	3.750	+.009 / - .000	0.618	+.015 / -.000	29.95
UR37503000-625/HD	3.000	+.000 / -.004	3.000	3.750	0.625	3.000	+.000 / -.004	3.750	+.009 / - .000	0.688	+.015 / -.000	30.50
UR31203125-375/HD	3.125	+.000 / -.004	3.125	3.750	0.375	3.125	+.000 / -.004	3.750	+.009 / - .000	0.413	+.015 / -.000	23.00
UR37503125-625/HD	3.125	+.000 / -.004	3.125	3.875	0.625	3.125	+.000 / -.004	3.875	+.009 / - .000	0.688	+.015 / -.000	31.70
UR25003250-375/HD	3.250	+.000 / -.004	3.250	3.750	0.375	3.250	+.000 / -.004	3.750	+.009 / - .000	0.413	+.015 / -.000	20.55
UR31203250-500/HD	3.250	+.000 / -.004	3.250	3.875	0.500	3.250	+.000 / -.004	3.875	+.009 / - .000	0.550	+.015 / -.000	23.70
UR37503250-625/HD	3.250	+.000 / -.004	3.250	4.000	0.625	3.250	+.000 / -.004	4.000	+.009 / - .000	0.688	+.015 / -.000	30.50
UR25003375-375/HD	3.375	+.000 / -.004	3.375	3.875	0.375	3.375	+.000 / -.004	3.875	+.009 / - .000	0.413	+.015 / -.000	21.20
UR31203375-500/HD	3.375	+.000 / -.004	3.375	4.000	0.500	3.375	+.000 / -.004	4.000	+.009 / - .000	0.550	+.015 / -.000	26.30
UR25003500-375/HD	3.500	+.000 / -.004	3.500	4.000	0.375	3.500	+.000 / -.004	4.000	+.009 / - .000	0.413	+.015 / -.000	22.40
UR37503500/HD	3.500	+.000 / -.004	3.500	4.250	0.375	3.500	+.000 / -.004	4.250	+.009 / - .000	0.413	+.015 / -.000	32.10
UR37503500-500/HD	3.500	+.000 / -.004	3.500	4.250	0.500	3.500	+.000 / -.004	4.250	+.009 / - .000	0.550	+.015 / -.000	32.85
UR37503500-625/HD	3.500	+.000 / -.004	3.500	4.250	0.625	3.500	+.000 / -.004	4.250	+.009 / - .000	0.688	+.015 / -.000	31.65
UR50003500-625/HD	3.500	+.000 / -.004	3.500	4.500	0.625	3.500	+.000 / -.004	4.500	+.009 / - .000	0.688	+.015 / -.000	45.00
UR50003500-750/HD	3.500	+.000 / -.004	3.500	4.500	0.750	3.500	+.000 / -.004	4.500	+.009 / - .000	0.825	+.015 / -.000	70.30
UR37503625/HD	3.625	+.000 / -.004	3.625	4.375	0.375	3.625	+.000 / -.004	4.375	+.009 / - .000	0.413	+.015 / -.000	32.25
UR37503625-500/HD	3.625	+.000 / -.004	3.625	4.375	0.500	3.625	+.000 / -.004	4.375	+.009 / - .000	0.550	+.015 / -.000	33.70
UR25003750-375/HD	3.750	+.000 / -.004	3.750	4.250	0.375	3.750	+.000 / -.004	4.250	+.009 / - .000	0.413	+.015 / -.000	23.20
UR31203750-375/HD	3.750	+.000 / -.004	3.750	4.375	0.375	3.750	+.000 / -.004	4.375	+.009 / - .000	0.413	+.015 / -.000	26.30

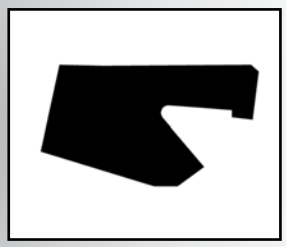
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR31203750-500/HD	3.750	+.000 / -.004	3.750	4.375	0.500	3.750	+.000 / -.004	4.375	+.009 / - .000	0.550	+.015 / -.000	27.40
UR37503750-500/HD	3.750	+.000 / -.004	3.750	4.500	0.500	3.750	+.000 / -.004	4.500	+.009 / - .000	0.550	+.015 / -.000	32.55
UR25003875-375/HD	3.875	+.000 / -.004	3.875	4.375	0.375	3.875	+.000 / -.004	4.375	+.009 / - .000	0.413	+.015 / -.000	23.85
UR25004000/HD	4.000	+.000 / -.004	4.000	4.500	0.250	4.000	+.000 / -.004	4.500	+.009 / - .000	0.275	+.015 / -.000	24.25
UR25004000-375/HD	4.000	+.000 / -.004	4.000	4.500	0.375	4.000	+.000 / -.004	4.500	+.009 / - .000	0.413	+.015 / -.000	24.80
UR25004000-562/HD	4.000	+.000 / -.004	4.000	4.500	0.562	4.000	+.000 / -.004	4.500	+.009 / - .000	0.618	+.015 / -.000	26.90
UR31204000-375/HD	4.000	+.000 / -.004	4.000	4.625	0.375	4.000	+.000 / -.004	4.625	+.009 / - .000	0.413	+.015 / -.000	30.35
UR37504000/HD	4.000	+.000 / -.004	4.000	4.750	0.375	4.000	+.000 / -.004	4.750	+.009 / - .000	0.413	+.015 / -.000	34.85
UR37504000-500/HD	4.000	+.000 / -.004	4.000	4.750	0.500	4.000	+.000 / -.004	4.750	+.009 / - .000	0.550	+.015 / -.000	38.20
UR37504000-625/HD	4.000	+.000 / -.004	4.000	4.750	0.625	4.000	+.000 / -.004	4.750	+.009 / - .000	0.688	+.015 / -.000	37.65
UR37504250-500/HD	4.250	+.000 / -.004	4.250	5.000	0.500	4.250	+.000 / -.004	5.000	+.010 / - .000	0.550	+.015 / -.000	39.00
UR37504250-625/HD	4.250	+.000 / -.004	4.250	5.000	0.625	4.250	+.000 / -.004	5.000	+.010 / - .000	0.688	+.015 / -.000	O/R
UR25004375-500/HD	4.375	+.000 / -.004	4.375	5.125	0.500	4.375	+.000 / -.004	5.125	+.010 / - .000	0.550	+.015 / -.000	27.40
UR25004425-562/HD	4.425	+.000 / -.004	4.425	4.750	0.562	4.425	+.000 / -.004	4.750	+.010 / - .000	0.618	+.015 / -.000	28.25
UR25004500-562/HD	4.500	+.000 / -.004	4.500	5.000	0.562	4.500	+.000 / -.004	5.000	+.010 / - .000	0.618	+.015 / -.000	30.20
UR31204500-375/HD	4.500	+.000 / -.004	4.500	5.125	0.375	4.500	+.000 / -.004	5.125	+.010 / - .000	0.413	+.015 / -.000	30.95
UR31204500-500/HD	4.500	+.000 / -.004	4.500	5.125	0.500	4.500	+.000 / -.004	5.125	+.010 / - .000	0.550	+.015 / -.000	35.60
UR37504500-437/HD	4.500	+.000 / -.004	4.500	5.375	0.437	4.500	+.000 / -.004	5.375	+.010 / - .000	0.481	+.015 / -.000	42.40
UR37504500-500/HD	4.500	+.000 / -.004	4.500	5.250	0.500	4.500	+.000 / -.004	5.250	+.010 / - .000	0.550	+.015 / -.000	42.85
UR37504500-625/HD	4.500	+.000 / -.004	4.500	5.250	0.625	4.500	+.000 / -.004	5.250	+.010 / - .000	0.688	+.015 / -.000	42.90
UR25004750-562/HD	4.750	+.000 / -.004	4.750	5.250	0.562	4.750	+.000 / -.004	5.250	+.010 / - .000	0.618	+.015 / -.000	32.35
UR37504750-500/HD	4.750	+.000 / -.004	4.750	5.500	0.500	4.750	+.000 / -.004	5.500	+.010 / - .000	0.550	+.015 / -.000	43.00
UR37504750-625/HD	4.750	+.000 / -.004	4.750	5.500	0.625	4.750	+.000 / -.004	5.500	+.010 / - .000	0.688	+.015 / -.000	43.00
UR43704750-750/HD	4.750	+.000 / -.004	4.750	5.625	0.750	4.750	+.000 / -.004	5.625	+.010 / - .000	0.825	+.015 / -.000	43.30
UR37504875-500/HD	4.875	+.000 / -.004	4.875	5.625	0.500	4.875	+.000 / -.004	5.625	+.010 / - .000	0.550	+.015 / -.000	45.10
UR25005000-562/HD	5.000	+.000 / -.004	5.000	5.500	0.562	5.000	+.000 / -.004	5.500	+.010 / - .000	0.618	+.015 / -.000	35.20
UR31205000-375/HD	5.000	+.000 / -.004	5.000	5.625	0.375	5.000	+.000 / -.004	5.625	+.010 / - .000	0.413	+.015 / -.000	35.80
UR31205000-500/HD	5.000	+.000 / -.004	5.000	5.625	0.500	5.000	+.000 / -.004	5.625	+.010 / - .000	0.550	+.015 / -.000	40.80
UR37505000-500/HD	5.000	+.000 / -.004	5.000	5.750	0.500	5.000	+.000 / -.004	5.750	+.010 / - .000	0.550	+.015 / -.000	45.10
UR37505000-625/HD	5.000	+.000 / -.004	5.000	5.750	0.625	5.000	+.000 / -.004	5.750	+.010 / - .000	0.688	+.015 / -.000	47.95
UR25005250-562/HD	5.250	+.000 / -.004	5.250	5.750	0.562	5.250	+.000 / -.004	5.750	+.010 / - .000	0.618	+.015 / -.000	36.80
UR25005250-590/HD	5.250	+.000 / -.004	5.250	5.750	0.590	5.250	+.000 / -.004	5.750	+.010 / - .000	0.649	+.015 / -.000	36.65
UR37505250-625/HD	5.250	+.000 / -.004	5.250	6.000	0.625	5.250	+.000 / -.004	6.000	+.010 / - .000	0.688	+.015 / -.000	49.85
UR25005375-562/HD	5.375	+.000 / -.004	5.375	5.875	0.562	5.375	+.000 / -.004	5.875	+.010 / - .000	0.618	+.015 / -.000	37.90
UR25005500-562/HD	5.500	+.000 / -.004	5.500	6.000	0.562	5.500	+.000 / -.004	6.000	+.010 / - .000	0.618	+.015 / -.000	41.75
UR31205500-375/HD	5.500	+.000 / -.004	5.500	6.125	0.375	5.500	+.000 / -.004	6.125	+.010 / - .000	0.413	+.015 / -.000	40.90
UR31205500-500/HD	5.500	+.000 / -.004	5.500	6.125	0.500	5.500	+.000 / -.004	6.125	+.010 / - .000	0.550	+.015 / -.000	19.85
UR37505500-625/HD	5.500	+.000 / -.004	5.500	6.250	0.625	5.500	+.000 / -.004	6.250	+.010 / - .000	0.688	+.015 / -.000	50.45
UR37505750-500/HD	5.750	+.000 / -.004	5.750	6.500	0.500	5.750	+.000 / -.004	6.500	+.010 / - .000	0.550	+.015 / -.000	51.65
UR37505750-625/HD	5.750	+.000 / -.004	5.750	6.500	0.625	5.750	+.000 / -.004	6.500	+.010 / - .000	0.688	+.015 / -.000	53.90
UR25006000-562/HD	6.000	+.000 / -.004	6.000	6.500	0.562	6.000	+.000 / -.004	6.500	+.010 / - .000	0.618	+.015 / -.000	44.95
UR37506000-500/HD	6.000	+.000 / -.004	6.000	6.750	0.500	6.000	+.000 / -.004	6.750	+.010 / - .000	0.550	+.015 / -.000	53.90
UR37506000-625/HD	6.000	+.000 / -.004	6.000	6.750	0.625	6.000	+.000 / -.004	6.750	+.010 / - .000	0.688	+.015 / -.000	54.75
UR37506250-625/HD	6.250	+.000 / -.004	6.250	7.000	0.625	6.250	+.000 / -.004	7.000	+.011 / - .000	0.688	+.015 / -.000	56.60
UR25006500-375/HD	6.500	+.000 / -.004	6.500	7.000	0.375	6.500	+.000 / -.004	7.000	+.011 / - .000	0.413	+.015 / -.000	O/R
UR37506500-500/HD	6.500	+.000 / -.004	6.500	7.250	0.500	6.500	+.000 / -.004	7.250	+.011 / - .000	0.550	+.015 / -.000	56.60
UR37506500-625/HD	6.500	+.000 / -.004	6.500	7.250	0.625	6.500	+.000 / -.004	7.250	+.011 / - .000	0.688	+.015 / -.000	58.65
UR50006500-715/HD	6.500	+.000 / -.004	6.500	7.500	0.715	6.500	+.000 / -.004	7.500	+.011 / - .000	0.787	+.015 / -.000	71.65

UR/HD SERIES - AU 92A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
UR50006500-750/HD	6.500	+.000 / -.004	6.500	7.500	0.750	6.500	+.000 / -.004	7.500	+.011 / - .000	0.825	+.015 / -.000	75.85
UR25006750-590/HD	6.750	+.000 / -.004	6.750	7.250	0.590	6.750	+.000 / -.004	7.250	+.011 / - .000	0.649	+.015 / -.000	48.55
UR37506750-590/HD	6.750	+.000 / -.004	6.750	7.500	0.590	6.750	+.000 / -.004	7.500	+.011 / - .000	0.649	+.015 / -.000	60.45
UR25007000-562/HD	7.000	+.000 / -.005	7.000	7.500	0.562	7.000	+.000 / -.005	7.500	+.011 / - .000	0.618	+.015 / -.000	58.25
UR37507000-500/HD	7.000	+.000 / -.005	7.000	7.750	0.500	7.000	+.000 / -.005	7.750	+.011 / - .000	0.550	+.015 / -.000	60.45
UR37507000-625/HD	7.000	+.000 / -.005	7.000	7.750	0.625	7.000	+.000 / -.005	7.750	+.011 / - .000	0.688	+.015 / -.000	63.20
UR50007000-690/HD	7.000	+.000 / -.005	7.000	8.000	0.690	7.000	+.000 / -.005	8.000	+.011 / - .000	0.759	+.015 / -.000	76.65
UR50007000-750/HD	7.000	+.000 / -.005	7.000	8.000	0.750	7.000	+.000 / -.005	8.000	+.011 / - .000	0.825	+.015 / -.000	86.00
UR37507250-625/HD	7.250	+.000 / -.005	7.250	8.000	0.625	7.250	+.000 / -.005	8.000	+.011 / - .000	0.688	+.015 / -.000	64.35
UR37507500-500/HD	7.500	+.000 / -.005	7.500	8.250	0.500	7.500	+.000 / -.005	8.250	+.011 / - .000	0.550	+.015 / -.000	64.35
UR37507500-625/HD	7.500	+.000 / -.005	7.500	8.250	0.625	7.500	+.000 / -.005	8.250	+.011 / - .000	0.688	+.015 / -.000	85.35
UR25008125-590/HD	8.125	+.000 / -.005	8.125	8.625	0.590	8.125	+.000 / -.005	8.625	+.012 / - .000	0.649	+.015 / -.000	73.65
UR37508250-625/HD	8.250	+.000 / -.005	8.250	9.000	0.625	8.250	+.000 / -.005	9.000	+.012 / - .000	0.688	+.015 / -.000	78.20
UR37508500-500/HD	8.500	+.000 / -.005	8.500	9.250	0.500	8.500	+.000 / -.005	9.250	+.012 / - .000	0.550	+.015 / -.000	81.50
UR50008500/HD	8.500	+.000 / -.005	8.500	9.500	0.500	8.500	+.000 / -.005	9.500	+.012 / - .000	0.550	+.015 / -.000	96.95
UR37509000-590/HD	9.000	+.000 / -.005	9.000	9.750	0.590	9.000	+.000 / -.005	9.750	+.012 / - .000	0.649	+.015 / -.000	85.85
UR37509000-625/HD	9.000	+.000 / -.005	9.000	9.750	0.625	9.000	+.000 / -.005	9.750	+.012 / - .000	0.688	+.015 / -.000	101.75
UR50009000-750/HD	9.000	+.000 / -.005	9.000	10.000	0.750	9.000	+.000 / -.005	10.000	+.012 / - .000	0.825	+.015 / -.000	100.85
UR50009500-625/HD	9.500	+.000 / -.005	9.500	10.500	0.625	9.500	+.000 / -.005	10.500	+.012 / - .000	0.688	+.015 / -.000	103.20
UR50009500-750/HD	9.500	+.000 / -.005	9.500	10.500	0.750	9.500	+.000 / -.005	10.500	+.012 / - .000	0.825	+.015 / -.000	103.20
UR25009750-590/HD	9.750	+.000 / -.005	9.750	10.250	0.590	9.750	+.000 / -.005	10.250	+.012 / - .000	0.649	+.015 / -.000	13.90
UR37509750-625/HD	9.750	+.000 / -.005	9.750	10.500	0.625	9.750	+.000 / -.005	10.500	+.012 / - .000	0.688	+.015 / -.000	46.60
UR50010000-625/HD	10.000	+.000 / -.006	10.000	11.000	0.625	10.000	+.000 / -.006	11.000	+.012 / - .000	0.688	+.015 / -.000	107.60
UR50010000-750/HD	10.000	+.000 / -.006	10.000	11.000	0.750	10.000	+.000 / -.006	11.000	+.012 / - .000	0.825	+.015 / -.000	165.85
UR50012000-625/HD	12.000	+.000 / -.006	12.000	13.000	0.625	12.000	+.000 / -.006	13.000	+.012 / - .000	0.688	+.015 / -.000	216.30
UR50012000-690/HD	12.000	+.000 / -.006	12.000	13.000	0.690	12.000	+.000 / -.006	13.000	+.012 / - .000	0.759	+.015 / -.000	171.35
UR50012000-750/HD	12.000	+.000 / -.006	12.000	13.000	0.750	12.000	+.000 / -.006	13.000	+.012 / - .000	0.825	+.015 / -.000	273.55
UR56215000-1000/HD	15.000	+.000 / -.006	15.000	16.125	1.000	15.000	+.000 / -.006	16.125	+.012 / - .000	1.100	+.015 / -.000	110.20

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

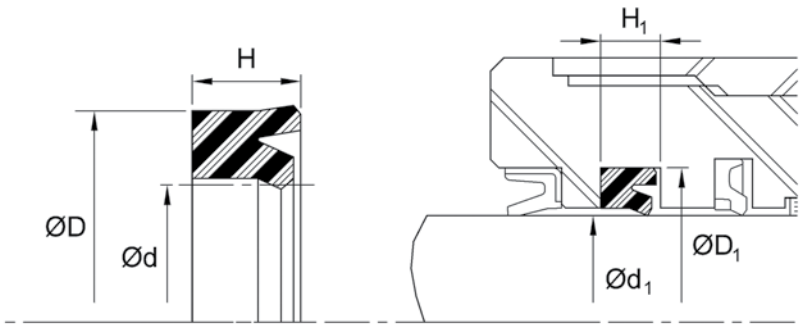




UR - Rod Seals

Polyurethane AU 92A





Temperature: -40/212F [-40/100C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-1U3147	0.375	+.000 / -.002	0.375			0.375	+.000 / -.002	0.625	+.002 / -.000	0.160	+.015 / -.000	6.40
RCAT-7J0375	0.625	+.000 / -.002	0.625			0.625	+.000 / -.002	0.875	+.002 / -.000	0.290	+.015 / -.000	6.90
RCAT-6J1878	0.750	+.000 / -.003	0.750			0.750	+.000 / -.003	1.000	+.002 / -.000	0.290	+.015 / -.000	7.25
RCAT-6J1889	1.000	+.000 / -.003	1.000			1.000	+.000 / -.003	1.250	+.002 / -.000	0.290	+.015 / -.000	7.85
RCAT-5J8125	1.250	+.000 / -.003	1.250			1.250	+.000 / -.003	1.625	+.002 / -.000	0.290	+.015 / -.000	8.60
RCAT-5J8150	1.500	+.000 / -.003	1.500			1.500	+.000 / -.003	1.875	+.002 / -.000	0.290	+.015 / -.000	9.10
RCAT-2S5867	1.500	+.000 / -.003	1.500			1.500	+.000 / -.003	2.250	+.002 / -.000	0.540	+.015 / -.000	13.45
RCAT-4T0488	1.625	+.000 / -.003	1.625			1.625	+.000 / -.003	2.000	+.002 / -.000	0.350	+.015 / -.000	9.55
RCAT-5J8175	1.750	+.000 / -.003	1.750			1.750	+.000 / -.003	2.125	+.002 / -.000	0.290	+.015 / -.000	9.90
RCAT-4T6898	1.875	+.000 / -.003	1.875			1.875	+.000 / -.003	2.250	+.002 / -.000	0.350	+.015 / -.000	11.25
RCAT-3G3259	2.000	+.000 / -.003	2.000			2.000	+.000 / -.003	2.500	+.002 / -.000	0.413	+.015 / -.000	12.35
RCAT-5J8200	2.000	+.000 / -.003	2.000			2.000	+.000 / -.003	2.500	+.002 / -.000	0.413	+.015 / -.000	12.35
RCAT-3P1344	2.125	+.000 / -.003	2.125			2.125	+.000 / -.003	2.625	+.002 / -.000	0.413	+.015 / -.000	12.90
RCAT-4T6126	2.125	+.000 / -.003	2.125			2.125	+.000 / -.003	2.625	+.002 / -.000	0.413	+.015 / -.000	12.90
RCAT-5J8225	2.250	+.000 / -.003	2.250			2.250	+.000 / -.003	2.750	+.002 / -.000	0.413	+.015 / -.000	13.50
RCAT-3G2911	2.375	+.000 / -.003	2.375			2.375	+.000 / -.003	2.875	+.002 / -.000	0.413	+.015 / -.000	14.15
RCAT-5J8238	2.375	+.000 / -.003	2.375			2.375	+.000 / -.003	2.875	+.002 / -.000	0.413	+.015 / -.000	14.15
RCAT-3G3752	2.500	+.000 / -.003	2.500			2.500	+.000 / -.003	3.000	+.002 / -.000	0.413	+.015 / -.000	14.80
RCAT-5J0964	2.500	+.000 / -.003	2.500			2.500	+.000 / -.003	3.000	+.002 / -.000	0.413	+.015 / -.000	14.80
RCAT-3G4718	2.625	+.000 / -.003	2.625			2.625	+.000 / -.003	3.125	+.002 / -.000	0.413	+.015 / -.000	15.60
RCAT-5J8275	2.750	+.000 / -.003	2.750			2.750	+.000 / -.003	3.250	+.002 / -.000	0.413	+.015 / -.000	16.05
RCAT-5J8300	3.000	+.000 / -.004	3.000			3.000	+.000 / -.004	3.500	+.002 / -.000	0.413	+.015 / -.000	16.10
RCAT-1P4879	3.000	+.000 / -.004	3.000			3.000	+.000 / -.004	4.000	+.002 / -.000	0.722	+.015 / -.000	36.90
RCAT-5J8325	3.250	+.000 / -.004	3.250			3.250	+.000 / -.004	3.750	+.002 / -.000	0.413	+.015 / -.000	18.70
RCAT-3G5051	3.375	+.000 / -.004	3.375			3.375	+.000 / -.004	3.875	+.002 / -.000	0.413	+.015 / -.000	19.15
RCAT-5J8350	3.500	+.000 / -.004	3.500			3.500	+.000 / -.004	4.000	+.002 / -.000	0.413	+.015 / -.000	19.45
RCAT-1P4880	3.500	+.000 / -.004	3.500			3.500	+.000 / -.004	4.500	+.002 / -.000	0.688	+.015 / -.000	40.60
RCAT-5J8375	3.750	+.000 / -.004	3.750			3.750	+.000 / -.004	4.250	+.002 / -.000	0.413	+.015 / -.000	21.25
RCAT-5J8400	4.000	+.000 / -.004	4.000			4.000	+.000 / -.004	4.625	+.002 / -.000	0.413	+.015 / -.000	25.95
RCAT-2U9113	4.000	+.000 / -.004	4.000			4.000	+.000 / -.004	4.724	+.002 / -.000	0.390	+.015 / -.000	35.75
RCAT-6J1425	4.250	+.000 / -.004	4.250			4.250	+.000 / -.004	5.000	+.002 / -.000	0.688	+.015 / -.000	37.05
RCAT-3G5054	4.375	+.000 / -.004	4.375			4.375	+.000 / -.004	5.125	+.002 / -.000	0.540	+.015 / -.000	38.10
RCAT-6J1450	4.500	+.000 / -.004	4.500			4.500	+.000 / -.004	5.125	+.002 / -.000	0.413	+.015 / -.000	39.15
RCAT-6J1475	4.750	+.000 / -.004	4.750			4.750	+.000 / -.004	5.500	+.002 / -.000	0.688	+.015 / -.000	40.70
RCAT-8J4524	5.000	+.000 / -.004	5.000			5.000	+.000 / -.004	5.750	+.002 / -.000	0.540	+.015 / -.000	42.65
RCAT-4T5699	5.250	+.000 / -.004	5.250			5.250	+.000 / -.004	6.000	+.002 / -.000	0.540	+.015 / -.000	45.40

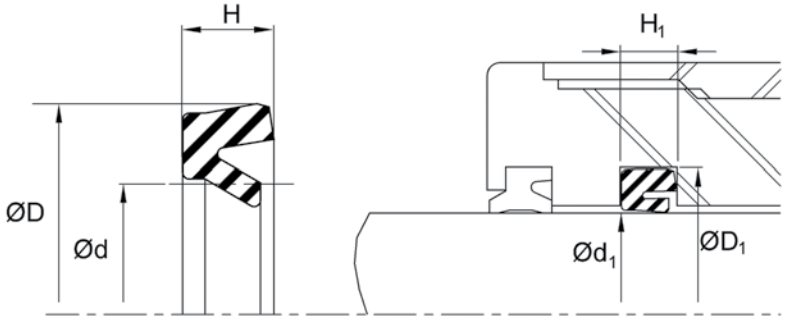
UR SERIES - CAT X-REF - AU 92A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-6J1550	5.500	+.000 / -.004	5.500			5.500	+.000 / -.004	6.125	+.002 / -.000	0.413	+.015 / -.000	46.65
RCAT-3G2286	5.750	+.000 / -.004	5.750			5.750	+.000 / -.004	6.500	+.002 / -.000	0.688	+.015 / -.000	48.90
RCAT-9J5467	5.750	+.000 / -.004	5.750			5.750	+.000 / -.004	6.500	+.002 / -.000	0.688	+.015 / -.000	48.90
RCAT-4T9901	6.000	+.000 / -.004	6.000			6.000	+.000 / -.004	6.750	+.002 / -.000	0.540	+.015 / -.000	51.00
RCAT-8J4394	6.250	+.000 / -.004	6.250			6.250	+.000 / -.004	6.750	+.002 / -.000	0.540	+.015 / -.000	53.25
RCAT-6J1650	6.500	+.000 / -.004	6.500			6.500	+.000 / -.004	7.250	+.002 / -.000	0.540	+.015 / -.000	53.55
RCAT-8J4387	6.500	+.000 / -.004	6.500			6.500	+.000 / -.004	7.250	+.002 / -.000	0.688	+.015 / -.000	55.80
RCAT-3G4627	6.750	+.000 / -.004	6.750			6.750	+.000 / -.004	7.250	+.002 / -.000	0.413	+.015 / -.000	56.90
RCAT-6J1700	7.000	+.000 / -.005	7.000			7.000	+.000 / -.005	7.750	+.002 / -.000	0.540	+.015 / -.000	54.90
RCAT-6E0172	7.250	+.000 / -.005	7.250			7.250	+.000 / -.005	8.000	+.002 / -.000	0.540	+.015 / -.000	62.10
RCAT-7J3322	7.500	+.000 / -.005	7.500			7.500	+.000 / -.005	8.250	+.002 / -.000	0.540	+.015 / -.000	60.85
RCAT-6E0039	8.000	+.000 / -.005	8.000			8.000	+.000 / -.005	8.750	+.002 / -.000	0.540	+.015 / -.000	80.70
RCAT-1086219	8.750	+.000 / -.005	8.750			8.750	+.000 / -.005	9.500	+.002 / -.000	0.540	+.015 / -.000	O/R

E5 - Rod Seals

Nitroxile





Temperature: -20/250F [-29/121C] **Pressure: 1250 PSI [85 Bar]**

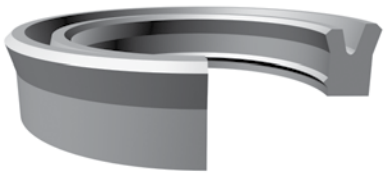
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
E50400125/4274	0.125	+.000 / -.002	0.125	0.375	0.125	0.125	+.000 / -.002	0.375	+.002 / -.000	0.156	+.010 / -.010	7.90
E50300187/4274	0.187	+.000 / -.002	0.187	0.375	0.093	0.187	+.000 / -.002	0.375	+.002 / -.000	0.125	+.010 / -.010	8.20
E50400250/4274	0.250	+.000 / -.002	0.250	0.500	0.125	0.250	+.000 / -.002	0.500	+.002 / -.000	0.156	+.010 / -.010	8.40
E50400375/4274	0.375	+.000 / -.002	0.375	0.625	0.125	0.375	+.000 / -.002	0.625	+.002 / -.000	0.156	+.010 / -.010	9.10
E50400500/4274	0.500	+.000 / -.002	0.500	0.750	0.125	0.500	+.000 / -.002	0.750	+.002 / -.000	0.156	+.010 / -.010	9.20
E50400625/4274	0.625	+.000 / -.002	0.625	0.875	0.125	0.625	+.000 / -.002	0.875	+.002 / -.000	0.156	+.010 / -.010	9.30
E50400750/4274	0.750	+.000 / -.002	0.750	1.000	0.125	0.750	+.000 / -.002	1.000	+.002 / -.000	0.156	+.010 / -.010	9.50
E50400875/4274	0.875	+.000 / -.002	0.875	1.125	0.125	0.875	+.000 / -.002	1.125	+.002 / -.000	0.156	+.010 / -.010	9.70
E50401000/4274	1.000	+.000 / -.002	1.000	1.250	0.125	1.000	+.000 / -.002	1.250	+.002 / -.000	0.156	+.010 / -.010	9.85
E50401250/4274	1.250	+.000 / -.002	1.250	1.500	0.125	1.250	+.000 / -.002	1.500	+.002 / -.000	0.156	+.010 / -.010	10.40
E50501000/4274	1.000	+.000 / -.002	1.000	1.312	0.156	1.000	+.000 / -.002	1.312	+.002 / -.000	0.188	+.010 / -.010	10.10
E50501250/4274	1.250	+.000 / -.002	1.250	1.562	0.156	1.250	+.000 / -.002	1.562	+.002 / -.000	0.188	+.010 / -.010	10.40

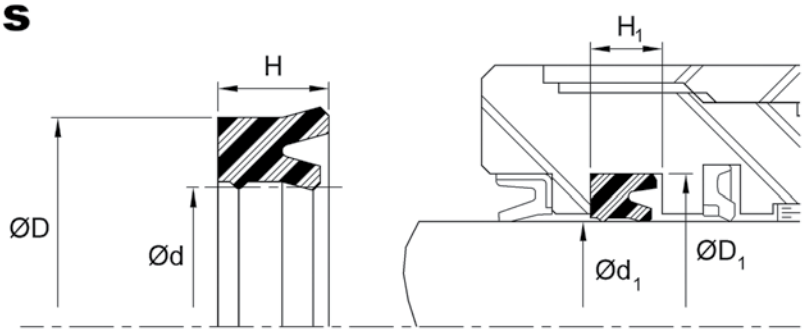
www.sealsonline.com

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
E50501375/4274	1.375	+.000 / -.002	1.375	1.687	0.156	1.375	+.000 / -.002	1.687	+.002 / -.000	0.188	+.010 / -.010	10.65
E50601375/4274	1.375	+.000 / -.002	1.375	1.750	0.187	1.375	+.000 / -.002	1.750	+.002 / -.000	0.219	+.010 / -.010	10.65
E50601500/4274	1.500	+.000 / -.002	1.500	1.875	0.187	1.500	+.000 / -.002	1.875	+.002 / -.000	0.219	+.010 / -.010	11.05
E50601625/4274	1.625	+.000 / -.002	1.625	2.000	0.187	1.625	+.000 / -.002	2.000	+.002 / -.000	0.219	+.010 / -.010	11.30
E50601750/4274	1.750	+.000 / -.002	1.750	2.125	0.187	1.750	+.000 / -.002	2.125	+.002 / -.000	0.219	+.010 / -.010	11.75
E50602000/4274	2.000	+.000 / -.002	2.000	2.375	0.187	2.000	+.000 / -.002	2.375	+.002 / -.000	0.219	+.010 / -.010	12.40

BS/HD - Rod Seals

Polyurethane AU 92A





Temperature: -40/212F [-40/100C] **Pressure: 6000 PSI [415 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BS12500750-250/HD	0.750	+.000 / -.001	0.750	1.000	0.250	0.750	+.000 / -.001	1.000	+.005 / -.000	0.275	+.015 / -.000	7.75
BS18700750-250/HD	0.750	+.000 / -.001	0.750	1.125	0.250	0.750	+.000 / -.001	1.125	+.005 / -.000	0.275	+.015 / -.000	8.40
BS18700750-312/HD	0.750	+.000 / -.001	0.750	1.125	0.312	0.750	+.000 / -.001	1.125	+.005 / -.000	0.343	+.015 / -.000	8.60
BS12501000-250/HD	1.000	+.000 / -.001	1.000	1.250	0.250	1.000	+.000 / -.001	1.250	+.005 / -.000	0.275	+.015 / -.000	6.70
BS18701000-250/HD	1.000	+.000 / -.001	1.000	1.375	0.250	1.000	+.000 / -.001	1.375	+.005 / -.000	0.275	+.015 / -.000	8.90
BS18701000-312/HD	1.000	+.000 / -.001	1.000	1.375	0.312	1.000	+.000 / -.001	1.375	+.005 / -.000	0.343	+.015 / -.000	8.90
BS25001000-375/HD	1.000	+.000 / -.001	1.000	1.500	0.375	1.000	+.000 / -.001	1.500	+.007 / -.000	0.413	+.015 / -.000	9.30
BS18701125-250/HD	1.125	+.000 / -.001	1.125	1.500	0.250	1.125	+.000 / -.001	1.500	+.007 / -.000	0.275	+.015 / -.000	9.05
BS18701125-312/HD	1.125	+.000 / -.001	1.125	1.500	0.312	1.125	+.000 / -.001	1.500	+.007 / -.000	0.343	+.015 / -.000	9.20
BS18701187-250/HD	1.187	+.000 / -.001	1.187	1.562	0.250	1.187	+.000 / -.001	1.562	+.007 / -.000	0.275	+.015 / -.000	9.30
BS12501250-250/HD	1.250	+.000 / -.001	1.250	1.500	0.250	1.250	+.000 / -.001	1.500	+.007 / -.000	0.275	+.015 / -.000	9.00
BS18701250-312/HD	1.250	+.000 / -.001	1.250	1.625	0.312	1.250	+.000 / -.001	1.625	+.007 / -.000	0.343	+.015 / -.000	9.50
BS18701250-375/HD	1.250	+.000 / -.001	1.250	1.625	0.375	1.250	+.000 / -.001	1.625	+.007 / -.000	0.413	+.015 / -.000	9.85
BS25001250-375/HD	1.250	+.000 / -.001	1.250	1.750	0.375	1.250	+.000 / -.001	1.750	+.007 / -.000	0.413	+.015 / -.000	9.75
BS18701375-375/HD	1.375	+.000 / -.001	1.375	1.750	0.375	1.375	+.000 / -.001	1.750	+.007 / -.000	0.413	+.015 / -.000	9.85
BS25001375-375/HD	1.375	+.000 / -.001	1.375	1.875	0.375	1.375	+.000 / -.001	1.875	+.007 / -.000	0.413	+.015 / -.000	11.35
BS18701500-250/HD	1.500	+.000 / -.002	1.500	1.875	0.250	1.500	+.000 / -.002	1.875	+.007 / -.000	0.275	+.015 / -.000	10.10
BS18701500-312/HD	1.500	+.000 / -.002	1.500	1.875	0.312	1.500	+.000 / -.002	1.875	+.007 / -.000	0.343	+.015 / -.000	10.15
BS18701500-375/HD	1.500	+.000 / -.002	1.500	1.875	0.375	1.500	+.000 / -.002	1.875	+.007 / -.000	0.413	+.015 / -.000	10.25
BS25001500-375/HD	1.500	+.000 / -.002	1.500	2.000	0.375	1.500	+.000 / -.002	2.000	+.008 / -.000	0.413	+.015 / -.000	11.70
BS18701625-375/HD	1.625	+.000 / -.002	1.625	2.000	0.375	1.625	+.000 / -.002	2.000	+.008 / -.000	0.413	+.015 / -.000	10.95
BS18701750-312/HD	1.750	+.000 / -.002	1.750	2.125	0.312	1.750	+.000 / -.002	2.125	+.008 / -.000	0.343	+.015 / -.000	11.35

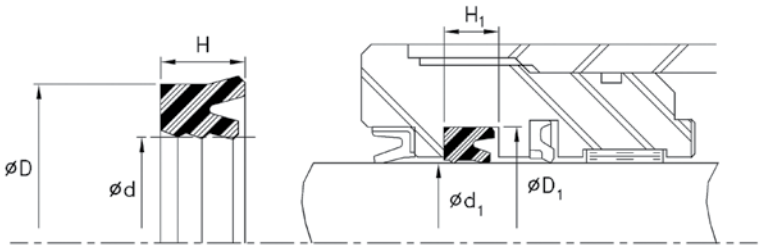
BS/HD SERIES - AU 92A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BS18701750-375/HD	1.750	+.000 / -.002	1.750	2.125	0.375	1.750	+.000 / -.002	2.125	+.008 / -.000	0.413	+.015 / -.000	12.20
BS25001750-312/HD	1.750	+.000 / -.002	1.750	2.250	0.312	1.750	+.000 / -.002	2.250	+.008 / -.000	0.343	+.015 / -.000	12.60
BS25001750-375/HD	1.750	+.000 / -.002	1.750	2.250	0.375	1.750	+.000 / -.002	2.250	+.008 / -.000	0.413	+.015 / -.000	12.90
BS31201750-375/HD	1.750	+.000 / -.002	1.750	2.375	0.375	1.750	+.000 / -.002	2.375	+.008 / -.000	0.413	+.015 / -.000	16.25
BS31201750-437/HD	1.750	+.000 / -.002	1.750	2.375	0.437	1.750	+.000 / -.002	2.375	+.008 / -.000	0.481	+.015 / -.000	16.45
BS31201750-500/HD	1.750	+.000 / -.002	1.750	2.375	0.500	1.750	+.000 / -.002	2.375	+.008 / -.000	0.550	+.015 / -.000	16.75
BS18701875-375/HD	1.875	+.000 / -.002	1.875	2.250	0.375	1.875	+.000 / -.002	2.250	+.008 / -.000	0.413	+.015 / -.000	13.30
BS18702000-312/HD	2.000	+.000 / -.002	2.000	2.375	0.312	2.000	+.000 / -.002	2.375	+.008 / -.000	0.343	+.015 / -.000	14.15
BS18702000-375/HD	2.000	+.000 / -.002	2.000	2.375	0.375	2.000	+.000 / -.002	2.375	+.008 / -.000	0.413	+.015 / -.000	14.30
BS25002000-375/HD	2.000	+.000 / -.002	2.000	2.500	0.375	2.000	+.000 / -.002	2.500	+.008 / -.000	0.413	+.015 / -.000	14.05
BS31202000-500/HD	2.000	+.000 / -.002	2.000	2.625	0.500	2.000	+.000 / -.002	2.625	+.008 / -.000	0.550	+.015 / -.000	17.55
BS18702250-375/HD	2.250	+.000 / -.002	2.250	2.625	0.375	2.250	+.000 / -.002	2.625	+.008 / -.000	0.413	+.015 / -.000	14.55
BS25002250-375/HD	2.250	+.000 / -.002	2.250	2.750	0.375	2.250	+.000 / -.002	2.750	+.008 / -.000	0.413	+.015 / -.000	15.85
BS25002375-375/HD	2.375	+.000 / -.002	2.375	2.875	0.375	2.375	+.000 / -.002	2.875	+.008 / -.000	0.413	+.015 / -.000	16.60
BS18702500-375/HD	2.500	+.000 / -.002	2.500	2.875	0.375	2.500	+.000 / -.002	2.875	+.008 / -.000	0.413	+.015 / -.000	16.25
BS25002500-375/HD	2.500	+.000 / -.002	2.500	3.000	0.375	2.500	+.000 / -.002	3.000	+.009 / -.000	0.413	+.015 / -.000	17.30
BS31202500-500/HD	2.500	+.000 / -.002	2.500	3.125	0.500	2.500	+.000 / -.002	3.125	+.009 / -.000	0.550	+.015 / -.000	20.95
BS18702625-375/HD	2.625	+.000 / -.002	2.625	3.000	0.375	2.625	+.000 / -.002	3.000	+.009 / -.000	0.413	+.015 / -.000	16.15
BS25002750-375/HD	2.750	+.000 / -.002	2.750	3.250	0.375	2.750	+.000 / -.002	3.250	+.009 / -.000	0.413	+.015 / -.000	18.25
BS31202750-500/HD	2.750	+.000 / -.002	2.750	3.375	0.500	2.750	+.000 / -.002	3.375	+.009 / -.000	0.550	+.015 / -.000	22.80
BS37502750-625/HD	2.750	+.000 / -.002	2.750	3.500	0.625	2.750	+.000 / -.002	3.500	+.009 / -.000	0.688	+.015 / -.000	31.60
BS25003000-375/HD	3.000	+.000 / -.003	3.000	3.500	0.375	3.000	+.000 / -.003	3.500	+.009 / -.000	0.413	+.015 / -.000	19.00
BS31203000-500/HD	3.000	+.000 / -.003	3.000	3.625	0.500	3.000	+.000 / -.003	3.625	+.009 / -.000	0.550	+.015 / -.000	24.45
BS37503000-500/HD	3.000	+.000 / -.003	3.000	3.750	0.500	3.000	+.000 / -.003	3.750	+.009 / -.000	0.550	+.015 / -.000	34.40
BS25003250-375/HD	3.250	+.000 / -.003	3.250	3.750	0.375	3.250	+.000 / -.003	3.750	+.009 / -.000	0.413	+.015 / -.000	23.55
BS25003375-375/HD	3.375	+.000 / -.003	3.375	3.875	0.375	3.375	+.000 / -.003	3.875	+.009 / -.000	0.413	+.015 / -.000	23.65
BS25003500-375/HD	3.500	+.000 / -.003	3.500	4.000	0.375	3.500	+.000 / -.003	4.000	+.009 / -.000	0.413	+.015 / -.000	23.65
BS37503500-625/HD	3.500	+.000 / -.003	3.500	4.250	0.625	3.500	+.000 / -.003	4.250	+.009 / -.000	0.688	+.015 / -.000	36.20
BS25003750-375/HD	3.750	+.000 / -.003	3.750	4.250	0.375	3.750	+.000 / -.003	4.250	+.009 / -.000	0.413	+.015 / -.000	24.90
BS37503750-500/HD	3.750	+.000 / -.003	3.750	4.500	0.500	3.750	+.000 / -.003	4.500	+.009 / -.000	0.550	+.015 / -.000	36.40
BS25004000-375/HD	4.000	+.000 / -.005	4.000	4.500	0.375	4.000	+.000 / -.005	4.500	+.009 / -.000	0.413	+.015 / -.000	O/R
BS25004000-562/HD	4.000	+.000 / -.005	4.000	4.500	0.562	4.000	+.000 / -.005	4.500	+.009 / -.000	0.618	+.015 / -.000	26.55
BS31204000-375/HD	4.000	+.000 / -.005	4.000	4.625	0.375	4.000	+.000 / -.005	4.625	+.009 / -.000	0.413	+.015 / -.000	30.25
BS37504000-500/HD	4.000	+.000 / -.005	4.000	4.750	0.500	4.000	+.000 / -.005	4.750	+.010 / -.000	0.550	+.015 / -.000	36.50
BS37504000-625/HD	4.000	+.000 / -.005	4.000	4.750	0.625	4.000	+.000 / -.005	4.750	+.010 / -.000	0.688	+.015 / -.000	36.85
BS37504250-625/HD	4.250	+.000 / -.005	4.250	5.000	0.625	4.250	+.000 / -.005	5.000	+.010 / -.000	0.688	+.015 / -.000	O/R
BS25004500-562/HD	4.500	+.000 / -.005	4.500	5.000	0.562	4.500	+.000 / -.005	5.000	+.010 / -.000	0.618	+.015 / -.000	32.20
BS37504500-625/HD	4.500	+.000 / -.005	4.500	5.250	0.625	4.500	+.000 / -.005	5.250	+.010 / -.000	0.688	+.015 / -.000	42.80
BS25004750-562/HD	4.750	+.000 / -.005	4.750	5.250	0.562	4.750	+.000 / -.005	5.250	+.010 / -.000	0.618	+.015 / -.000	32.80
BS37504750-625/HD	4.750	+.000 / -.005	4.750	5.500	0.625	4.750	+.000 / -.005	5.500	+.010 / -.000	0.688	+.015 / -.000	51.15
BS37505000-500/HD	5.000	+.000 / -.005	5.000	5.750	0.500	5.000	+.000 / -.005	5.750	+.010 / -.000	0.550	+.015 / -.000	53.45
BS37505000-625/HD	5.000	+.000 / -.005	5.000	5.750	0.625	5.000	+.000 / -.005	5.750	+.010 / -.000	0.688	+.015 / -.000	54.70
BS25005500-562/HD	5.500	+.000 / -.005	5.500	6.000	0.562	5.500	+.000 / -.005	6.000	+.010 / -.000	0.618	+.015 / -.000	40.00

BS/3L - Rod Seals

Polyurethane AU 92A

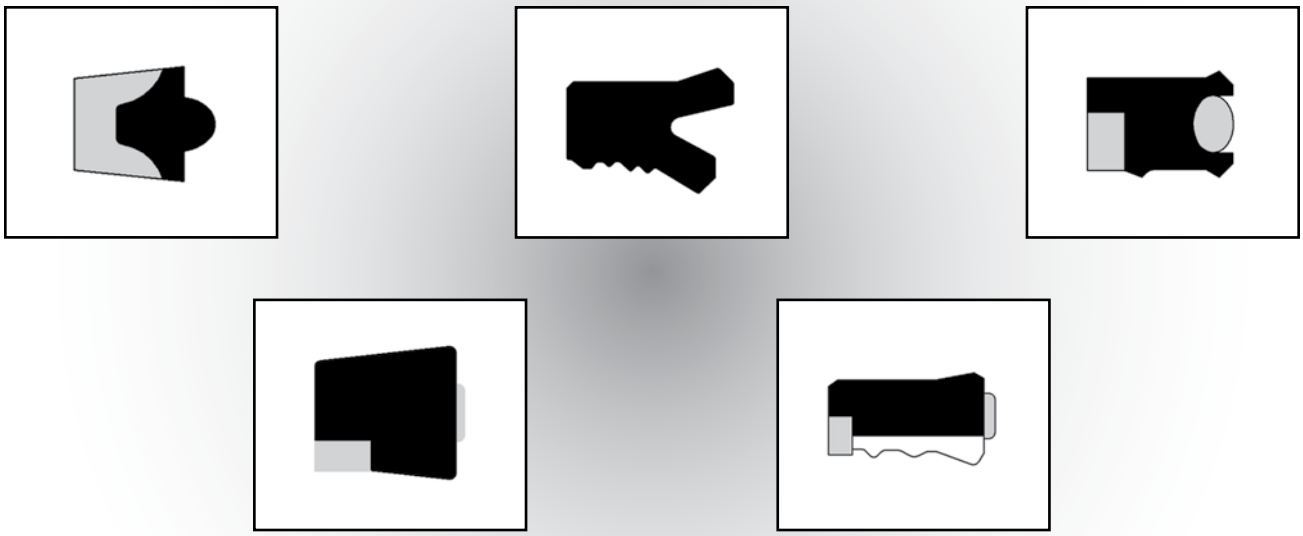




Temperature: -65/220F [-54/104C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BS12500500-218-3L	0.500	+.000 / -.001	0.500	0.750	0.218	0.500	+.000 / -.001	0.750	+.005 / -.000	0.219	+.015 / -.000	24.05
BS12500625-218-3L	0.625	+.000 / -.001	0.625	0.875	0.218	0.625	+.000 / -.001	0.875	+.005 / -.000	0.219	+.015 / -.000	24.90
BS15601000-240-3L	1.000	+.000 / -.001	1.000	1.312	0.240	1.000	+.000 / -.001	1.312	+.005 / -.000	0.219	+.015 / -.000	23.25
BS15601375-240-3L	1.375	+.000 / -.001	1.375	1.687	0.240	1.375	+.000 / -.001	1.687	+.005 / -.000	0.250	+.015 / -.000	27.35
BS18701750-270-3L	1.750	+.000 / -.001	1.750	2.125	0.270	1.750	+.000 / -.001	2.125	+.005 / -.000	0.281	+.015 / -.000	31.95
BS18702000-270-3L	2.000	+.000 / -.001	2.000	2.375	0.270	2.000	+.000 / -.001	2.375	+.005 / -.000	0.281	+.015 / -.000	38.20
BS21802500-300-3L	2.500	+.000 / -.001	2.500	2.937	0.300	2.500	+.000 / -.001	2.937	+.005 / -.000	0.312	+.015 / -.000	40.35
BS21803000-300-3L	3.000	+.000 / -.001	3.000	3.437	0.300	3.000	+.000 / -.001	3.437	+.005 / -.000	0.312	+.015 / -.000	45.80
BS25003500-330-3L	3.500	+.000 / -.001	3.500	4.000	0.330	3.500	+.000 / -.001	4.000	+.005 / -.000	0.344	+.015 / -.000	54.35
BS25004000-330-3L	4.000	+.000 / -.001	4.000	4.500	0.330	4.000	+.000 / -.001	4.500	+.005 / -.000	0.344	+.015 / -.000	61.55
BS25004500-330-3L	4.500	+.000 / -.001	4.500	5.000	0.330	4.500	+.000 / -.001	5.000	+.005 / -.000	0.344	+.015 / -.000	67.20
BS28105000-355-3L	5.000	+.000 / -.001	5.000	5.625	0.355	5.000	+.000 / -.001	5.625	+.005 / -.000	0.375	+.015 / -.000	73.65
BS31205500-380-3L	5.500	+.000 / -.001	5.500	6.125	0.380	5.500	+.000 / -.001	6.125	+.005 / -.000	0.406	+.015 / -.000	81.60

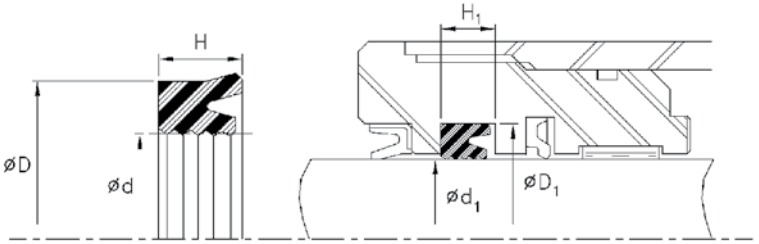
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



BS/SL - Rod Seals

Nitrile NBR 80A
FPM 90A





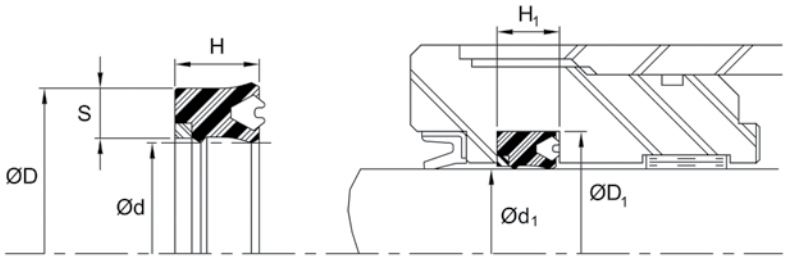
NBR: Temperature: -40/250F [-40/121C] Pressure: 1000 PSI [69 Bar]
FPM: Temperature: -20/400F [-28/204C] Pressure: 2200 PSI [151 Bar]

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$ NBR	$ FPM
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	/N	/V
BS12500625-156-SL	0.625	+.000/-.001	0.625	0.875	0.156	0.625	+.000/-.001	0.875	+.002/-.000	0.219	+.010/-.010	10.20	36.60
BS15601000-187-SL	1.000	+.000/-.001	1.000	1.312	0.187	1.000	+.000/-.001	1.312	+.002/-.000	0.250	+.010/-.010	9.75	18.65
BS15601375-187-SL	1.375	+.000/-.001	1.375	1.687	0.187	1.375	+.000/-.001	1.687	+.002/-.000	0.250	+.010/-.010	13.00	38.50
BS18701750-218-SL	1.750	+.000/-.002	1.750	2.125	0.218	1.750	+.000/-.002	2.125	+.002/-.000	0.281	+.010/-.010	14.30	48.50
BS18702000-218-SL	2.000	+.000/-.002	2.000	2.375	0.218	2.000	+.000/-.002	2.375	+.002/-.000	0.281	+.010/-.010	17.20	55.40
BS21802500-240-SL	2.500	+.000/-.002	2.500	2.937	0.240	2.500	+.000/-.002	2.875	+.002/-.000	0.312	+.010/-.010	19.40	65.20
BS21803000-240-SL	3.000	+.000/-.003	3.000	3.437	0.240	3.000	+.000/-.003	3.437	+.002/-.000	0.312	+.010/-.010	23.25	78.20

RE - Rod Seals

Polyurethane/Polyacetal/NBR





Temperature: -50/230F [-46/110C] Pressure: 5000 PSI [345 Bar]

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RE25001375-375	1.375	+.000 / -.002	1.375	1.875	0.375	1.375	+.000 / -.002	1.875	+.002 / -.000	0.413	+.015 / -.000	9.30
RE18701500-250	1.500	+.000 / -.002	1.500	1.875	0.250	1.500	+.000 / -.002	1.875	+.002 / -.000	0.275	+.015 / -.000	11.50
RE18701500-312	1.500	+.000 / -.002	1.500	1.875	0.312	1.500	+.000 / -.002	1.875	+.002 / -.000	0.343	+.015 / -.000	11.50
RE25001500-375	1.500	+.000 / -.002	1.500	2.000	0.375	1.500	+.000 / -.002	2.000	+.003 / -.000	0.413	+.015 / -.000	12.60
RE18701750-250	1.750	+.000 / -.002	1.750	2.125	0.250	1.750	+.000 / -.002	2.125	+.002 / -.000	0.275	+.015 / -.000	12.70
RE18701750-375	1.750	+.000 / -.002	1.750	2.125	0.375	1.750	+.000 / -.002	2.125	+.002 / -.000	0.413	+.015 / -.000	12.70

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Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RE25001750-375	1.750	+.000 / -.002	1.750	2.250	0.375	1.750	+.000 / -.002	2.250	+.003 / -.000	0.413	+.015 / -.000	13.85
RE18702000-375	2.000	+.000 / -.002	2.000	2.375	0.375	2.000	+.000 / -.002	2.375	+.002 / -.000	0.413	+.015 / -.000	14.65
RE25002000-375	2.000	+.000 / -.002	2.000	2.500	0.375	2.000	+.000 / -.002	2.500	+.003 / -.000	0.413	+.015 / -.000	15.15
RE25002250-375	2.250	+.000 / -.002	2.250	2.750	0.375	2.250	+.000 / -.002	2.750	+.003 / -.000	0.413	+.015 / -.000	17.00
RE25002375-375	2.375	+.000 / -.002	2.375	2.875	0.375	2.375	+.000 / -.002	2.875	+.003 / -.000	0.413	+.015 / -.000	17.85
RE25002500-375	2.500	+.000 / -.002	2.500	3.000	0.375	2.500	+.000 / -.002	3.000	+.003 / -.000	0.413	+.015 / -.000	18.70
RE25002750-375	2.750	+.000 / -.002	2.750	3.250	0.375	2.750	+.000 / -.002	3.250	+.003 / -.000	0.413	+.015 / -.000	20.45
RE25003000-375	3.000	+.000 / -.002	3.000	3.500	0.375	3.000	+.000 / -.002	3.500	+.003 / -.000	0.413	+.015 / -.000	22.10
RE31203000-500	3.000	+.000 / -.003	3.000	3.625	0.500	3.000	+.000 / -.003	3.625	+.003 / -.000	0.550	+.015 / -.000	25.50
RE37503000-625	3.000	+.000 / -.003	3.000	3.750	0.625	3.000	+.000 / -.003	3.750	+.004 / -.000	0.688	+.015 / -.000	35.90
RE25003250-375	3.250	+.000 / -.003	3.250	3.750	0.375	3.250	+.000 / -.003	3.750	+.003 / -.000	0.413	+.015 / -.000	23.65
RE25003500-375	3.500	+.000 / -.003	3.500	4.000	0.375	3.500	+.000 / -.003	4.000	+.003 / -.000	0.413	+.015 / -.000	25.45
RE31203500-500	3.500	+.000 / -.003	3.500	4.125	0.500	3.500	+.000 / -.003	4.125	+.003 / -.000	0.550	+.015 / -.000	29.50
RE37503500-625	3.500	+.000 / -.003	3.500	4.250	0.625	3.500	+.000 / -.003	4.250	+.004 / -.000	0.688	+.015 / -.000	34.90
RE18703750-375	3.750	+.000 / -.003	3.750	4.125	0.375	3.750	+.000 / -.003	4.125	+.003 / -.000	0.413	+.015 / -.000	29.60
RE25004000-375	4.000	+.000 / -.003	4.000	4.500	0.375	4.000	+.000 / -.003	4.500	+.003 / -.000	0.413	+.015 / -.000	28.50
RE25004000-562	4.000	+.000 / -.003	4.000	4.500	0.562	4.000	+.000 / -.003	4.500	+.003 / -.000	0.618	+.015 / -.000	28.50
RE31204000-562	4.000	+.000 / -.003	4.000	4.625	0.562	4.000	+.000 / -.003	4.625	+.003 / -.000	0.618	+.015 / -.000	33.60
RE37504000-625	4.000	+.000 / -.003	4.000	4.750	0.625	4.000	+.000 / -.003	4.750	+.004 / -.000	0.688	+.015 / -.000	46.00
RE25004500-375	4.500	+.000 / -.003	4.500	5.000	0.375	4.500	+.000 / -.003	5.000	+.003 / -.000	0.413	+.015 / -.000	34.00
RE25004500-562	4.500	+.000 / -.003	4.500	5.000	0.562	4.500	+.000 / -.003	5.000	+.003 / -.000	0.618	+.015 / -.000	34.00
RE31204500-625	4.500	+.000 / -.003	4.500	5.125	0.625	4.500	+.000 / -.003	5.125	+.003 / -.000	0.688	+.015 / -.000	37.70
RE37504500-625	4.500	+.000 / -.003	4.500	5.250	0.625	4.500	+.000 / -.003	5.250	+.004 / -.000	0.688	+.015 / -.000	50.65
RE25005000-562	5.000	+.000 / -.003	5.000	5.500	0.562	5.000	+.000 / -.003	5.500	+.003 / -.000	0.618	+.015 / -.000	39.00
RE31205000-625	5.000	+.000 / -.003	5.000	5.625	0.625	5.000	+.000 / -.003	5.625	+.003 / -.000	0.688	+.015 / -.000	43.70
RE37505000-625	5.000	+.000 / -.003	5.000	5.750	0.625	5.000	+.000 / -.003	5.750	+.004 / -.000	0.688	+.015 / -.000	55.40
RE25005500-562	5.500	+.000 / -.003	5.500	6.000	0.562	5.500	+.000 / -.003	6.000	+.003 / -.000	0.618	+.015 / -.000	45.65
RE25006000-562	6.000	+.000 / -.003	6.000	6.500	0.562	6.000	+.000 / -.003	6.500	+.003 / -.000	0.618	+.015 / -.000	50.20
RE37506000-625	6.000	+.000 / -.003	6.000	6.750	0.625	6.000	+.000 / -.003	6.750	+.004 / -.000	0.688	+.015 / -.000	64.85
RE37507000-625	7.000	+.000 / -.003	7.000	7.750	0.625	7.000	+.000 / -.003	7.750	+.004 / -.000	0.688	+.015 / -.000	138.15
RE37508000-625	8.000	+.000 / -.003	8.000	8.750	0.625	8.000	+.000 / -.003	8.750	+.004 / -.000	0.688	+.015 / -.000	142.90

INFORMATION - ROD SEALS BT & BR PROFILES

BT U-CUP ROD SEAL

The BT Profile U-Cup is an improved seal design for cylinder rods. The BT is an improvement of the existing BS U-Cup seal with enhancements in lip design, and in the Polyurethane compound used.

The new BT design has thicker lips than it's BS predecessor which produces greater compressive forces in the installed condition. The key benefit is an increased conformity of the elastomer to the metal which improves sealing characteristics.

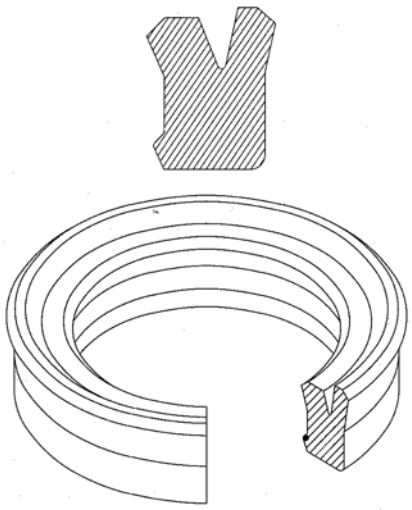
The secondary lip of the BT U-Cup has been moved down the profile and it is now closer to the base to improve stability of the seal in the gland itself. This stability helps limit the rocking motion of the seal as the rod cycles, and in turn can dramatically reduce fluid seepage.

ADVANCED SEALING SYSTEM

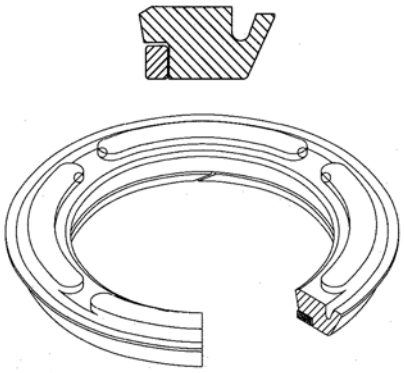
When the BT U-Cup is used in combination with the BR Buffer Ring the resulting sealing system provides very long life with an exceptionally dry rod. The buffer ring acts as a primary seal and pressure spike suppressor and at the same time allows trapped fluid, sealed by the BT U-Cup, to be pumped back into the system with a check valve effect.

Using Parker's P4300, low compression set material also improves seal performance. The advantage of a seal with lower compression set material is that it has a better "memory" for pushing against the rod and gland surfaces. Again the advantage is better conformity of the seal to the metal.

Rod Seals BT & BR Profiles



BT Profile
Advanced U-Cup



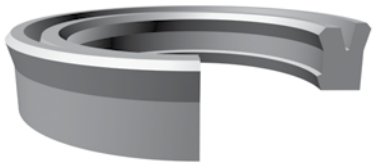
BR Profile
Buffer Ring

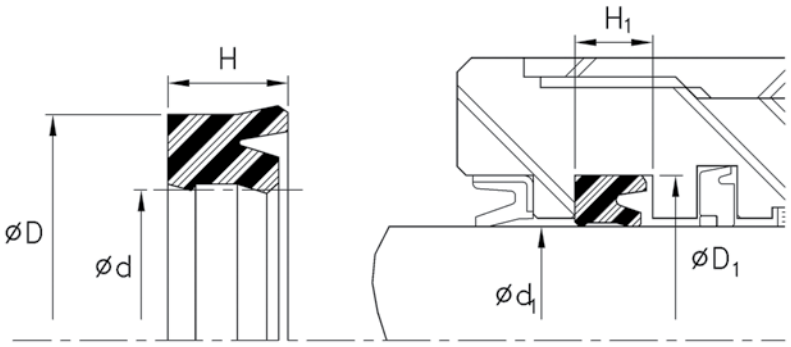
Parker Seals

Parker Hannifin Corporation
Packing Division
Salt Lake City, Utah

BT - Rod Seals

Polyurethane AU 90A





Temperature: -65/275F [-54/135C] **Pressure: 5000 PSI [550 Bar]**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BT12500219-225/4300	0.219	+.000 / -.001	0.219	0.469	0.225	0.219	+.000 / -.001	0.469	+.005/-.000	0.248	+.015 / -.000	7.55
BT12500250-187/4300	0.250	+.000 / -.001	0.250	0.500	0.187	0.250	+.000 / -.001	0.500	+.005/-.000	0.206	+.015 / -.000	7.00
BT12500312-187/4300	0.312	+.000 / -.001	0.312	0.562	0.187	0.312	+.000 / -.001	0.562	+.005/-.000	0.206	+.015 / -.000	7.35
BT12500375-187/4300	0.375	+.000 / -.001	0.375	0.625	0.187	0.375	+.000 / -.001	0.625	+.005/-.000	0.206	+.015 / -.000	7.35
BT12500500-125/4300	0.500	+.000 / -.001	0.500	0.750	0.125	0.500	+.000 / -.001	0.750	+.005/-.000	0.138	+.015 / -.000	7.55
BT12500500-187/4300	0.500	+.000 / -.001	0.500	0.750	0.187	0.500	+.000 / -.001	0.750	+.005/-.000	0.206	+.015 / -.000	7.55
BT12500500-250/4300	0.500	+.000 / -.001	0.500	0.750	0.250	0.500	+.000 / -.001	0.750	+.005/-.000	0.275	+.015 / -.000	7.55
BT12500562-250/4300	0.562	+.000 / -.001	0.562	0.812	0.250	0.562	+.000 / -.001	0.812	+.005/-.000	0.275	+.015 / -.000	7.80
BT12500625-187/4300	0.625	+.000 / -.001	0.625	0.875	0.187	0.625	+.000 / -.001	0.875	+.005/-.000	0.206	+.015 / -.000	7.80
BT12500625-250/4300	0.625	+.000 / -.001	0.625	0.875	0.250	0.625	+.000 / -.001	0.875	+.005/-.000	0.275	+.015 / -.000	7.85
BT18700625-275/4300	0.625	+.000 / -.001	0.625	1.000	0.275	0.625	+.000 / -.001	1.000	+.005/-.000	0.303	+.015 / -.000	8.05
BT18700625-312/4300	0.625	+.000 / -.001	0.625	1.000	0.312	0.625	+.000 / -.001	1.000	+.005/-.000	0.343	+.015 / -.000	8.10
BT12500750-187/4300	0.750	+.000 / -.001	0.750	1.000	0.187	0.750	+.000 / -.001	1.000	+.005/-.000	0.206	+.015 / -.000	8.15
BT12500750-250/4300	0.750	+.000 / -.001	0.750	1.000	0.250	0.750	+.000 / -.001	1.000	+.005/-.000	0.275	+.015 / -.000	8.15
BT18700750-250/4300	0.750	+.000 / -.001	0.750	1.125	0.250	0.750	+.000 / -.001	1.125	+.005/-.000	0.275	+.015 / -.000	8.45
BT18700812-250/4300	0.812	+.000 / -.001	0.812	1.187	0.250	0.812	+.000 / -.001	1.187	+.005/-.000	0.275	+.015 / -.000	8.75
BT12500875-187/4300	0.875	+.000 / -.001	0.875	1.125	0.187	0.875	+.000 / -.001	1.125	+.005/-.000	0.206	+.015 / -.000	8.55
BT12500875-250/4300	0.875	+.000 / -.001	0.875	1.125	0.250	0.875	+.000 / -.001	1.125	+.005/-.000	0.275	+.015 / -.000	8.55
BT12501000-187/4300	1.000	+.000 / -.001	1.000	1.250	0.187	1.000	+.000 / -.001	1.250	+.005/-.000	0.206	+.015 / -.000	8.80
BT15601000-219/4300	1.000	+.000 / -.001	1.000	1.312	0.219	1.000	+.000 / -.001	1.312	+.005/-.000	0.241	+.015 / -.000	9.10
BT12501000-250/4300	1.000	+.000 / -.001	1.000	1.250	0.250	1.000	+.000 / -.001	1.250	+.005/-.000	0.275	+.015 / -.000	8.90
BT18701000-312/4300	1.000	+.000 / -.001	1.000	1.375	0.312	1.000	+.000 / -.001	1.375	+.005/-.000	0.343	+.015 / -.000	9.45
BT25001000-375/4300	1.000	+.000 / -.001	1.000	1.500	0.375	1.000	+.000 / -.001	1.500	+.005/-.000	0.413	+.015 / -.000	10.25
BT12501125-250/4300	1.125	+.000 / -.001	1.125	1.375	0.250	1.125	+.000 / -.001	1.375	+.005/-.000	0.275	+.015 / -.000	9.20
BT18701125-250/4300	1.125	+.000 / -.001	1.125	1.500	0.250	1.125	+.000 / -.001	1.500	+.005/-.000	0.275	+.015 / -.000	9.80
BT18701125-312/4300	1.125	+.000 / -.001	1.125	1.500	0.312	1.125	+.000 / -.001	1.500	+.005/-.000	0.343	+.015 / -.000	9.80
BT25001125-375/4300	1.125	+.000 / -.001	1.125	1.625	0.375	1.125	+.000 / -.001	1.625	+.005/-.000	0.413	+.015 / -.000	10.55
BT12501250-187/4300	1.250	+.000 / -.001	1.250	1.500	0.187	1.250	+.000 / -.001	1.500	+.005/-.000	0.206	+.015 / -.000	9.55
BT15601250-218/4300	1.250	+.000 / -.001	1.250	1.562	0.218	1.250	+.000 / -.001	1.562	+.005/-.000	0.240	+.015 / -.000	10.10
BT12501250-250/4300	1.250	+.000 / -.001	1.250	1.500	0.250	1.250	+.000 / -.001	1.500	+.005/-.000	0.275	+.015 / -.000	9.55
BT18701250-312/4300	1.250	+.000 / -.001	1.250	1.625	0.312	1.250	+.000 / -.001	1.625	+.005/-.000	0.343	+.015 / -.000	10.10
BT25001250-375/4300	1.250	+.000 / -.001	1.250	1.750	0.375	1.250	+.000 / -.001	1.750	+.005/-.000	0.413	+.015 / -.000	10.60
BT15601375-219/4300	1.375	+.000 / -.001	1.375	1.687	0.219	1.375	+.000 / -.001	1.687	+.005/-.000	0.241	+.015 / -.000	9.30
BT12501375-250/4300	1.375	+.000 / -.001	1.375	1.625	0.250	1.375	+.000 / -.001	1.625	+.005/-.000	0.275	+.015 / -.000	10.00
BT18701375-250/4300	1.375	+.000 / -.001	1.375	1.750	0.250	1.375	+.000 / -.001	1.750	+.005/-.000	0.275	+.015 / -.000	10.65
BT15601375-312/4300	1.375	+.000 / -.001	1.375	1.687	0.312	1.375	+.000 / -.001	1.687	+.005/-.000	0.343	+.015 / -.000	10.65
BT18701375-312/4300	1.375	+.000 / -.001	1.375	1.750	0.312	1.375	+.000 / -.001	1.750	+.005/-.000	0.343	+.015 / -.000	10.65
BT25001375-375/4300	1.375	+.000 / -.001	1.375	1.875	0.375	1.375	+.000 / -.001	1.875	+.005/-.000	0.413	+.015 / -.000	11.50

BT SERIES - AU 90A

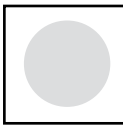
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BT12501500-187/4300	1.500	+.000 / -.002	1.500	1.750	0.187	1.500	+.000 / -.002	1.750	+.005/-.000	0.206	+.015 / -.000	10.40
BT12501500-250/4300	1.500	+.000 / -.002	1.500	1.750	0.250	1.500	+.000 / -.002	1.750	+.005/-.000	0.275	+.015 / -.000	10.40
BT18701500-250/4300	1.500	+.000 / -.002	1.500	1.875	0.250	1.500	+.000 / -.002	1.875	+.005/-.000	0.275	+.015 / -.000	10.90
BT18701500-375/4300	1.500	+.000 / -.002	1.500	1.875	0.375	1.500	+.000 / -.002	1.875	+.005/-.000	0.413	+.015 / -.000	10.90
BT25001500-375/4300	1.500	+.000 / -.002	1.500	2.000	0.375	1.500	+.000 / -.002	2.000	+.005/-.000	0.413	+.015 / -.000	12.40
BT31201500-375/4300	1.500	+.000 / -.002	1.500	2.125	0.375	1.500	+.000 / -.002	2.125	+.005/-.000	0.413	+.015 / -.000	14.65
BT18701625-375/4300	1.625	+.000 / -.002	1.625	2.000	0.375	1.625	+.000 / -.002	2.000	+.005/-.000	0.413	+.015 / -.000	11.55
BT25001625-375/4300	1.625	+.000 / -.002	1.625	2.125	0.375	1.625	+.000 / -.002	2.125	+.005/-.000	0.413	+.015 / -.000	13.00
BT12501750-187/4300	1.750	+.000 / -.002	1.750	2.000	0.187	1.750	+.000 / -.002	2.000	+.005/-.000	0.206	+.015 / -.000	11.20
BT18701750-250/4300	1.750	+.000 / -.002	1.750	2.125	0.250	1.750	+.000 / -.002	2.125	+.005/-.000	0.275	+.015 / -.000	12.20
BT18701750-312/4300	1.750	+.000 / -.002	1.750	2.125	0.312	1.750	+.000 / -.002	2.125	+.005/-.000	0.343	+.015 / -.000	12.20
BT18701750-375/4300	1.750	+.000 / -.002	1.750	2.125	0.375	1.750	+.000 / -.002	2.125	+.005/-.000	0.413	+.015 / -.000	12.20
BT25001750-375/4300	1.750	+.000 / -.002	1.750	2.250	0.375	1.750	+.000 / -.002	2.250	+.005/-.000	0.413	+.015 / -.000	13.65
BT31201750-500/4300	1.750	+.000 / -.002	1.750	2.375	0.500	1.750	+.000 / -.002	2.375	+.005/-.000	0.550	+.015 / -.000	16.30
BT18701875-312/4300	1.875	+.000 / -.002	1.875	2.250	0.312	1.875	+.000 / -.002	2.250	+.005/-.000	0.343	+.015 / -.000	12.95
BT18701875-375/4300	1.875	+.000 / -.002	1.875	2.250	0.375	1.875	+.000 / -.002	2.250	+.005/-.000	0.413	+.015 / -.000	12.95
BT18702000-250/4300	2.000	+.000 / -.002	2.000	2.375	0.250	2.000	+.000 / -.002	2.375	+.005/-.000	0.275	+.015 / -.000	13.65
BT18702000-312/4300	2.000	+.000 / -.002	2.000	2.375	0.312	2.000	+.000 / -.002	2.375	+.005/-.000	0.343	+.015 / -.000	13.65
BT18702000-375/4300	2.000	+.000 / -.002	2.000	2.375	0.375	2.000	+.000 / -.002	2.375	+.005/-.000	0.413	+.015 / -.000	13.65
BT25002000-375/4300	2.000	+.000 / -.002	2.000	2.500	0.375	2.000	+.000 / -.002	2.500	+.005/-.000	0.413	+.015 / -.000	15.00
BT31202000-500/4300	2.000	+.000 / -.002	2.000	2.625	0.500	2.000	+.000 / -.002	2.625	+.005/-.000	0.550	+.015 / -.000	18.05
BT37502000-500/4300	2.000	+.000 / -.002	2.000	2.750	0.500	2.000	+.000 / -.002	2.750	+.005/-.000	0.550	+.015 / -.000	24.45
BT18702125-250/4300	2.125	+.000 / -.002	2.125	2.500	0.250	2.125	+.000 / -.002	2.500	+.005/-.000	0.275	+.015 / -.000	14.70
BT18702125-312/4300	2.125	+.000 / -.002	2.125	2.500	0.312	2.125	+.000 / -.002	2.500	+.005/-.000	0.343	+.015 / -.000	14.75
BT25002125-375/4300	2.125	+.000 / -.002	2.125	2.625	0.375	2.125	+.000 / -.002	2.625	+.005/-.000	0.413	+.015 / -.000	16.00
BT18702250-312/4300	2.250	+.000 / -.002	2.250	2.625	0.312	2.250	+.000 / -.002	2.625	+.005/-.000	0.343	+.015 / -.000	15.25
BT18702250-375/4300	2.250	+.000 / -.002	2.250	2.625	0.375	2.250	+.000 / -.002	2.625	+.005/-.000	0.413	+.015 / -.000	15.25
BT25002250-375/4300	2.250	+.000 / -.002	2.250	2.750	0.375	2.250	+.000 / -.002	2.750	+.005/-.000	0.413	+.015 / -.000	16.85
BT25002375-375/4300	2.375	+.000 / -.002	2.375	2.875	0.375	2.375	+.000 / -.002	2.875	+.005/-.000	0.413	+.015 / -.000	17.70
BT21802500-281/4300	2.500	+.000 / -.002	2.500	2.937	0.281	2.500	+.000 / -.002	2.937	+.005/-.000	0.309	+.015 / -.000	17.45
BT21802500-312/4300	2.500	+.000 / -.002	2.500	2.937	0.312	2.500	+.000 / -.002	2.937	+.005/-.000	0.343	+.015 / -.000	16.45
BT18702500-375/4300	2.500	+.000 / -.002	2.500	2.875	0.375	2.500	+.000 / -.002	2.875	+.005/-.000	0.413	+.015 / -.000	16.45
BT21802500-375/4300	2.500	+.000 / -.002	2.500	2.937	0.375	2.500	+.000 / -.002	2.937	+.005/-.000	0.413	+.015 / -.000	16.45
BT25002500-375/4300	2.500	+.000 / -.002	2.500	3.000	0.375	2.500	+.000 / -.002	3.000	+.005/-.000	0.413	+.015 / -.000	18.45
BT31202500-500/4300	2.500	+.000 / -.002	2.500	3.125	0.500	2.500	+.000 / -.002	3.125	+.005/-.000	0.550	+.015 / -.000	21.55
BT18702625-375/4300	2.625	+.000 / -.002	2.625	3.000	0.375	2.625	+.000 / -.002	3.000	+.005/-.000	0.413	+.015 / -.000	17.20
BT25002625-375/4300	2.625	+.000 / -.002	2.625	3.125	0.375	2.625	+.000 / -.002	3.125	+.005/-.000	0.413	+.015 / -.000	19.40
BT25002750-375/4300	2.750	+.000 / -.002	2.750	3.250	0.375	2.750	+.000 / -.002	3.250	+.005/-.000	0.413	+.015 / -.000	21.25
BT31202750-500/4300	2.750	+.000 / -.002	2.750	3.375	0.500	2.750	+.000 / -.002	3.375	+.005/-.000	0.550	+.015 / -.000	22.90
BT37502750-625/4300	2.750	+.000 / -.002	2.750	3.500	0.625	2.750	+.000 / -.002	3.500	+.005/-.000	0.688	+.015 / -.000	32.50
BT18702875-375/4300	2.875	+.000 / -.002	2.875	3.250	0.375	2.875	+.000 / -.002	3.250	+.005/-.000	0.413	+.015 / -.000	18.45
BT21803000-281/4300	3.000	+.000 / -.003	3.000	3.437	0.281	3.000	+.000 / -.003	3.437	+.005/-.000	0.309	+.015 / -.000	20.40
BT18703000-375/4300	3.000	+.000 / -.003	3.000	3.375	0.375	3.000	+.000 / -.003	3.375	+.005/-.000	0.413	+.015 / -.000	19.05
BT25003000-375/4300	3.000	+.000 / -.003	3.000	3.500	0.375	3.000	+.000 / -.003	3.500	+.005/-.000	0.413	+.015 / -.000	26.00
BT31203000-500/4300	3.000	+.000 / -.003	3.000	3.625	0.500	3.000	+.000 / -.003	3.625	+.005/-.000	0.550	+.015 / -.000	25.20
BT37503000-500/4300	3.000	+.000 / -.003	3.000	3.750	0.500	3.000	+.000 / -.003	3.750	+.005/-.000	0.550	+.015 / -.000	34.10
BT25003250-375/4300	3.250	+.000 / -.003	3.250	3.750	0.375	3.250	+.000 / -.003	3.750	+.005/-.000	0.413	+.015 / -.000	23.35
BT25003500-312/4300	3.500	+.000 / -.003	3.500	4.000	0.312	3.500	+.000 / -.003	4.000	+.005/-.000	0.343	+.015 / -.000	25.15

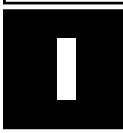
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BT18703500-375/4300	3.500	+.000 / -.003	3.500	3.875	0.375	3.500	+.000 / -.003	3.875	+.005/-.000	0.413	+.015 / -.000	23.65
BT25003500-375/4300	3.500	+.000 / -.003	3.500	4.000	0.375	3.500	+.000 / -.003	4.000	+.005/-.000	0.413	+.015 / -.000	25.15
BT31203500-500/4300	3.500	+.000 / -.003	3.500	4.125	0.500	3.500	+.000 / -.003	4.125	+.005/-.000	0.550	+.015 / -.000	29.15
BT25003750-375/4300	3.750	+.000 / -.003	3.750	4.250	0.375	3.750	+.000 / -.003	4.250	+.005/-.000	0.413	+.015 / -.000	26.70
BT31203750-500/4300	3.750	+.000 / -.003	3.750	4.375	0.500	3.750	+.000 / -.003	4.375	+.005/-.000	0.550	+.015 / -.000	31.20
BT18703875-312/4300	3.875	+.000 / -.003	3.875	4.250	0.312	3.875	+.000 / -.003	4.250	+.005/-.000	0.343	+.015 / -.000	27.65
BT25004000-312/4300	4.000	+.000 / -.005	4.000	4.500	0.312	4.000	+.000 / -.005	4.500	+.005/-.000	0.343	+.015 / -.000	28.30
BT25004000-375/4300	4.000	+.000 / -.005	4.000	4.500	0.375	4.000	+.000 / -.005	4.500	+.005/-.000	0.413	+.015 / -.000	28.20
BT31204000-375/4300	4.000	+.000 / -.005	4.000	4.625	0.375	4.000	+.000 / -.005	4.625	+.005/-.000	0.413	+.015 / -.000	33.15
BT25004000-562/4300	4.000	+.000 / -.005	4.000	4.500	0.562	4.000	+.000 / -.005	4.500	+.005/-.000	0.618	+.015 / -.000	28.20
BT37504000-625/4300	4.000	+.000 / -.005	4.000	4.750	0.625	4.000	+.000 / -.005	4.750	+.005/-.000	0.688	+.015 / -.000	45.45
BT25004250-562/4300	4.250	+.000 / -.005	4.250	4.750	0.562	4.250	+.000 / -.005	4.750	+.005/-.000	0.618	+.015 / -.000	31.20
BT37504250-625/4300	4.250	+.000 / -.005	4.250	5.000	0.625	4.250	+.000 / -.005	5.000	+.005/-.000	0.688	+.015 / -.000	47.60
BT37504250-713/4300	4.250	+.000 / -.005	4.250	5.000	0.713	4.250	+.000 / -.005	5.000	+.005/-.000	0.784	+.015 / -.000	47.60
BT25004500-312/4300	4.500	+.000 / -.005	4.500	5.000	0.312	4.500	+.000 / -.005	5.000	+.005/-.000	0.343	+.015 / -.000	43.45
BT31204500-375/4300	4.500	+.000 / -.005	4.500	5.125	0.375	4.500	+.000 / -.005	5.125	+.005/-.000	0.413	+.015 / -.000	37.20
BT37504500-625/4300	4.500	+.000 / -.005	4.500	5.250	0.625	4.500	+.000 / -.005	5.250	+.005/-.000	0.688	+.015 / -.000	49.95
BT28105000-344/4300	5.000	+.000 / -.005	5.000	5.562	0.344	5.000	+.000 / -.005	5.562	+.005/-.000	0.378	+.015 / -.000	43.15
BT25005000-375/4300	5.000	+.000 / -.005	5.000	5.500	0.375	5.000	+.000 / -.005	5.500	+.005/-.000	0.413	+.015 / -.000	35.20
BT37505000-500/4300	5.000	+.000 / -.005	5.000	5.750	0.500	5.000	+.000 / -.005	5.750	+.005/-.000	0.550	+.015 / -.000	54.75
BT37505000-625/4300	5.000	+.000 / -.005	5.000	5.750	0.625	5.000	+.000 / -.005	5.750	+.005/-.000	0.688	+.015 / -.000	70.90
BT37505250-625/4300	5.250	+.000 / -.005	5.250	6.000	0.625	5.250	+.000 / -.005	6.000	+.005/-.000	0.688	+.015 / -.000	57.00
BT31205500-375/4300	5.500	+.000 / -.005	5.500	6.125	0.375	5.500	+.000 / -.005	6.125	+.005/-.000	0.413	+.015 / -.000	49.25
BT37505500-625/4300	5.500	+.000 / -.005	5.500	6.250	0.625	5.500	+.000 / -.005	6.250	+.005/-.000	0.688	+.015 / -.000	59.25
BT37506000-625/4300	6.000	+.000 / -.005	6.000	6.750	0.625	6.000	+.000 / -.005	6.750	+.005/-.000	0.688	+.015 / -.000	63.95
BT50006500-625/4300	6.500	+.000 / -.005	6.500	7.500	0.625	6.500	+.000 / -.005	7.500	+.005/-.000	0.688	+.015 / -.000	85.20
BT37506750-625/4300	6.750	+.000 / -.005	6.750	7.500	0.625	6.750	+.000 / -.005	7.500	+.005/-.000	0.688	+.015 / -.000	69.70
BT50007000-750/4300	7.000	+.000 / -.005	7.000	8.000	0.750	7.000	+.000 / -.005	8.000	+.005/-.000	0.825	+.015 / -.000	91.10
BT37508000-625/4300	8.000	+.000 / -.005	8.000	8.750	0.625	8.000	+.000 / -.005	8.750	+.005/-.000	0.688	+.015 / -.000	80.90
BT37508500-625/4300	8.500	+.000 / -.005	8.500	9.250	0.625	8.500	+.000 / -.005	9.250	+.005/-.000	0.688	+.015 / -.000	95.20
BT37509500-625/4300	9.500	+.000 / -.005	9.500	10.250	0.625	9.500	+.000 / -.005	10.250	+.005/-.000	0.688	+.015 / -.000	120.10







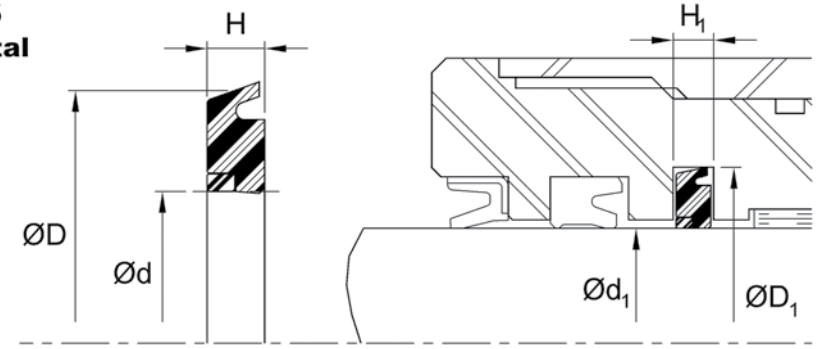




BR - Buffer Seals

Polyurethane AU 90A/Polyacetal





Temperature: -31/212F [-35/100C] **Pressure: 8000 PSI [550 BAR]**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
BR-01125*	1.125	+.000 / -.001				1.125	+.000 / -.001	1.500	+.008 / -.000	0.205	+.010 / -.000	10.15
BR-01250*	1.250	+.000 / -.001				1.250	+.000 / -.001	1.815	+.008 / -.000	0.149	+.010 / -.000	11.00
BR-01250-1	1.250	+.000 / -.001				1.250	+.000 / -.001	1.625	+.008 / -.000	0.205	+.010 / -.000	10.55
BR-01375*	1.375	+.000 / -.001				1.375	+.000 / -.001	1.750	+.008 / -.000	0.205	+.010 / -.000	13.80
BR-01500*	1.500	+.000 / -.002				1.500	+.000 / -.002	2.063	+.008 / -.000	0.149	+.010 / -.000	12.70
BR-01500-1	1.500	+.000 / -.002				1.500	+.000 / -.002	2.000	+.008 / -.000	0.275	+.010 / -.000	16.00
BR-01750*	1.750	+.000 / -.002				1.750	+.000 / -.002	2.315	+.008 / -.000	0.149	+.010 / -.000	15.20
BR-01750-1	1.750	+.000 / -.002				1.750	+.000 / -.002	2.250	+.008 / -.000	0.275	+.010 / -.000	17.40
BR-02000*	2.000	+.000 / -.002				2.000	+.000 / -.002	2.563	+.008 / -.000	0.149	+.010 / -.000	15.50
BR-02000-1	2.000	+.000 / -.002				2.000	+.000 / -.002	2.500	+.008 / -.000	0.275	+.010 / -.000	18.95
BR-02250	2.250	+.000 / -.002				2.250	+.000 / -.002	2.925	+.008 / -.000	0.252	+.010 / -.000	34.40
BR-02500	2.500	+.000 / -.002				2.500	+.000 / -.002	3.175	+.008 / -.000	0.252	+.010 / -.000	37.70
BR-02500-1	2.500	+.000 / -.002				2.500	+.000 / -.002	3.000	+.008 / -.000	0.275	+.010 / -.000	23.50
BR-02750	2.750	+.000 / -.002				2.750	+.000 / -.002	3.398	+.008 / -.000	0.252	+.010 / -.000	41.15
BR-03000	3.000	+.000 / -.003				3.000	+.000 / -.003	3.646	+.008 / -.000	0.252	+.010 / -.000	44.85
BR-03000-1	3.000	+.000 / -.003				3.000	+.000 / -.003	3.500	+.008 / -.000	0.275	+.010 / -.000	27.70
BR-03500	3.500	+.000 / -.003				3.500	+.000 / -.003	4.165	+.008 / -.000	0.252	+.010 / -.000	50.95
BR-03500-1	3.500	+.000 / -.003				3.500	+.000 / -.003	4.000	+.008 / -.000	0.275	+.010 / -.000	34.90
BR-03750	3.750	+.000 / -.003				3.750	+.000 / -.003	4.250	+.008 / -.000	0.275	+.010 / -.000	34.05
BR-04000	4.000	+.000 / -.005				4.000	+.000 / -.005	4.665	+.008 / -.000	0.252	+.010 / -.000	39.65
BR-04000-1	4.000	+.000 / -.005				4.000	+.000 / -.005	4.625	+.008 / -.000	0.343	+.010 / -.000	36.00
BR-04250	4.250	+.000 / -.005				4.250	+.000 / -.005	4.750	+.008 / -.000	0.275	+.010 / -.000	39.60
BR-04500	4.500	+.000 / -.005				4.500	+.000 / -.005	5.125	+.008 / -.000	0.343	+.010 / -.000	46.55
BR-05000	5.000	+.000 / -.005				5.000	+.000 / -.005	5.830	+.008 / -.000	0.358	+.010 / -.000	51.80
BR-05500	5.500	+.000 / -.005				5.500	+.000 / -.005	6.250	+.008 / -.000	0.412	+.010 / -.000	79.15

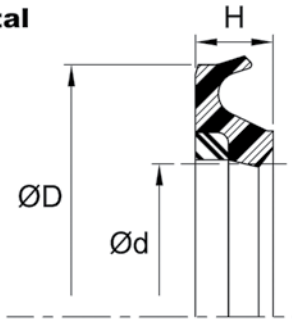
* NO ANTI-EXTRUSION RING

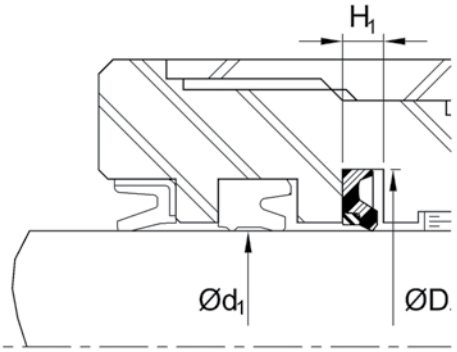
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HBY - Buffer Seals

Polyurethane AU 94A/Polyacetal





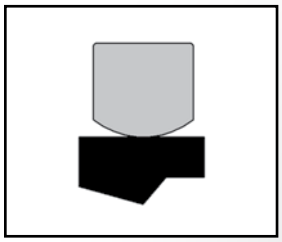


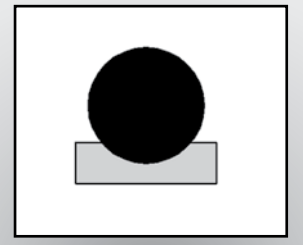
Temperature: -31/212F [-35/100C] **Pressure: 8500 PSI [586 Bar]**

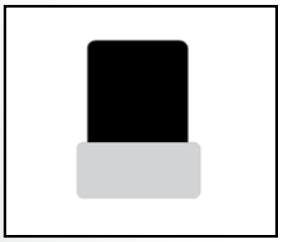
Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
HBY-01250*	1.250	+.000 / -.001	1.250	1.812	0.125	1.250	+.000 / -.001	1.819	+.004 / -.004	0.140	+.005 / -.005	13.60
HBY-01500*	1.500	+.000 / -.002	1.500	2.062	0.125	1.500	+.000 / -.002	2.067	+.004 / -.004	0.140	+.005 / -.005	15.70
HBY-01750*	1.750	+.000 / -.002	1.750	2.312	0.125	1.750	+.000 / -.002	2.319	+.004 / -.004	0.140	+.005 / -.005	17.80
HBY-02000*	2.000	+.000 / -.002	2.000	2.562	0.125	2.000	+.000 / -.002	2.567	+.004 / -.004	0.140	+.005 / -.005	19.90
HBY-02250	2.250	+.000 / -.002	2.250	2.937	0.187	2.250	+.000 / -.002	2.929	+.004 / -.004	0.234	+.005 / -.005	21.95
HBY-02500	2.500	+.000 / -.002	2.500	3.187	0.187	2.500	+.000 / -.002	3.177	+.004 / -.004	0.234	+.005 / -.005	24.10
HBY-02750	2.750	+.000 / -.002	2.750	3.375	0.187	2.750	+.000 / -.002	3.402	+.004 / -.004	0.234	+.005 / -.005	26.20
HBY-03000	3.000	.+.000 / -.003	3.000	3.625	0.187	3.000	+.000 / -.003	3.649	+.004 / -.004	0.234	+.005 / -.005	28.30
HBY-03500	3.500	.+.000 / -.003	3.500	4.187	0.187	3.500	+.000 / -.003	4.169	+.004 / -.004	0.234	+.005 / -.005	34.20
HBY-04000	4.000	.+.000 / -.005	4.000	4.625	0.187	4.000	+.000 / -.005	4.669	+.004 / -.004	0.234	+.005 / -.005	36.70

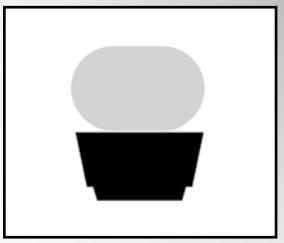
* NO ANTI-EXTRUSION RING

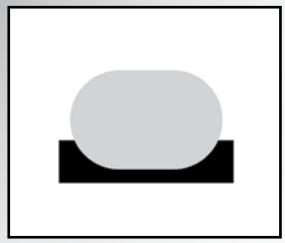
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST









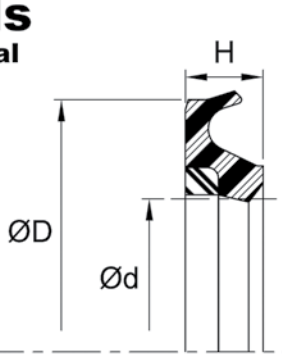


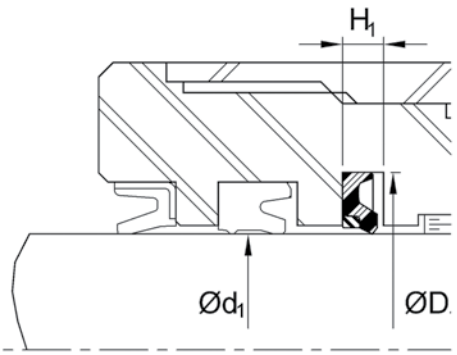
HBY SERIES - CAT X-REF ROD SEAL - AU 94A/POM

HBY - Buffer Seals

Polyurethane AU 94A/Polyacetal







Temperature: -31/212F [-35/100C] **Pressure: 8500 PSI [586 Bar]**

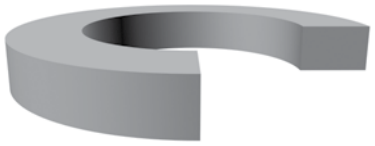
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-1402310*	1.375	+.000 / -.002	1.375			1.375		1.988	+.005 / -.005	0.252	+.005 / -.005	9.05
RCAT-1410706*	1.375	+.000 / -.002	1.375			1.375		1.988	+.005 / -.005	0.252	+.005 / -.005	9.05
RCAT-1506738*	1.750	+.000 / -.002	1.750			1.750		2.391	+.005 / -.005	0.220	+.005 / -.005	11.85
RCAT-1438915*	1.770	+.000 / -.002	1.770			1.770		2.382	+.005 / -.005	0.266	+.005 / -.005	O/R
RCAT-1444055*	2.000	+.000 / -.002	2.000			2.000		2.533	+.005 / -.005	0.140	+.005 / -.005	O/R
RCAT-1506744	2.125	+.000 / -.002	2.125			2.125		2.766	+.005 / -.005	0.220	+.005 / -.005	O/R
RCAT-1506750	2.500	+.000 / -.002	2.500			2.500		3.141	+.005 / -.005	0.220	+.005 / -.005	16.05
RCAT-1485674	2.750	+.000 / -.002	2.750			2.750		3.390	+.005 / -.005	0.220	+.005 / -.005	17.40
RCAT-1529022	3.000	+.000 / -.003	3.000			3.000		3.640	+.005 / -.005	0.220	+.005 / -.005	19.10
RCAT-1400234	3.250	+.000 / -.003	3.250			3.250		3.890	+.005 / -.005	0.220	+.005 / -.005	O/R
RCAT-1422633	3.500	+.000 / -.003	3.500			3.500		4.140	+.005 / -.005	0.220	+.005 / -.005	21.65
RCAT-1306056	4.000	+.000 / -.005	4.000			4.000		4.640	+.005 / -.005	0.220	+.005 / -.005	24.40
RCAT-1422634	4.500	+.000 / -.005	4.500			4.500		5.475	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1506262	5.000	+.000 / -.005	5.000			5.000		5.960	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1339572	5.500	+.000 / -.005	5.500			5.500		6.116	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1615787	6.000	+.000 / -.005	6.000			6.000		6.618	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1615788	6.000	+.000 / -.005	6.000			6.000		6.752	+.005 / -.005	0.537	+.005 / -.005	O/R
RCAT-1367358	6.500	+.000 / -.005	6.500			6.500		7.502	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1351995	7.000	+.000 / -.005	7.000			7.000		7.945	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1367359	7.250	+.000 / -.005	7.250			7.250		8.083	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1351997	7.500	+.000 / -.005	7.500			7.500		8.331	+.005 / -.005	0.325	+.005 / -.005	O/R
RCAT-1493256	8.000	+.000 / -.005	8.000			8.000		8.827	+.005 / -.005	0.325	+.005 / -.005	O/R
RCAT-1351999	8.750	+.000 / -.005	8.750			8.750		9.583	+.005 / -.005	0.325	+.005 / -.005	O/R

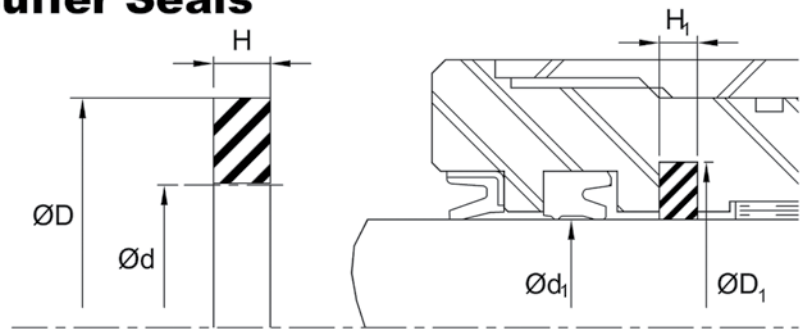
* NO ANTI-EXTRUSION RING

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CAT SEAL RING - Buffer Seals

Polyurethane





Temperature: -40/250F [-40/121C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-5P4673	0.875 +.000 / -.001	0.875			O/R	+.000 / -.001	O/R	+.005 / -.005	O/R	+.005 / -.005	5.05
RCAT-9J3497	1.250 +.000 / -.001	1.250			1.250	+.000 / -.001	1.783	+.005 / -.005	0.140	+.005 / -.005	5.65
RCAT-6J9733	1.500 +.000 / -.002	1.500			1.500	+.000 / -.002	2.033	+.005 / -.005	0.140	+.005 / -.005	5.75
RCAT-4T0487	1.625 +.000 / -.002	1.625			1.625	+.000 / -.002	2.160	+.005 / -.005	0.140	+.005 / -.005	5.90
RCAT-6J9178	1.750 +.000 / -.002	1.750			1.750	+.000 / -.002	2.283	+.005 / -.005	0.140	+.005 / -.005	6.10
RCAT-4T6778	1.875 +.000 / -.002	1.875			1.875	+.000 / -.002	2.252	+.005 / -.005	0.140	+.005 / -.005	13.75
RCAT-6J6917	2.000 +.000 / -.002	2.000			2.000	+.000 / -.002	2.533	+.005 / -.005	0.140	+.005 / -.005	7.10
RCAT-4T6127	2.125 +.000 / -.002	2.125			2.125	+.000 / -.002	2.627	+.005 / -.005	0.140	+.005 / -.005	7.20
RCAT-5J3616	2.250 +.000 / -.002	2.250			2.250	+.000 / -.002	2.891	+.005 / -.005	0.220	+.005 / -.005	7.35
RCAT-6J6916	2.375 +.000 / -.002	2.375			2.375	+.000 / -.002	3.016	+.005 / -.005	0.220	+.005 / -.005	7.75
RCAT-5J3620	2.500 +.000 / -.002	2.500			2.500	+.000 / -.002	3.141	+.005 / -.005	0.220	+.005 / -.005	8.00
RCAT-1U4020	2.625 +.000 / -.002	2.625			2.625	+.000 / -.002	3.266	+.005 / -.005	0.220	+.005 / -.005	8.65
RCAT-6J6553	2.750 +.000 / -.002	2.750			2.750	+.000 / -.002	3.391	+.005 / -.005	0.220	+.005 / -.005	8.70
RCAT-6J6915	3.000 +.000 / -.003	3.000			3.000	+.000 / -.003	3.641	+.005 / -.005	0.220	+.005 / -.005	8.95
RCAT-6J7167	3.250 +.000 / -.003	3.250			3.250	+.000 / -.003	3.891	+.005 / -.005	0.220	+.005 / -.005	9.55
RCAT-6J6736	3.500 +.000 / -.003	3.500			3.500	+.000 / -.003	4.141	+.005 / -.005	0.220	+.005 / -.005	9.95
RCAT-3G1259	3.625 +.000 / -.003	3.625			3.625	+.000 / -.003	4.266	+.005 / -.005	0.220	+.005 / -.005	11.00
RCAT-8J6070	3.750 +.000 / -.003	3.750			3.750	+.000 / -.003	4.391	+.005 / -.005	0.220	+.005 / -.005	11.80
RCAT-7J3863	4.000 +.000 / -.005	4.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	15.35
RCAT-7J3864	4.000 +.000 / -.005	4.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	28.10
RCAT-8J4627	4.000 +.000 / -.005	4.000			4.000	+.000 / -.005	4.641	+.005 / -.005	0.220	+.005 / -.005	12.50
RCAT-7J8943	4.250 +.000 / -.005	4.250			4.250	+.000 / -.005	5.225	+.005 / -.005	0.250	+.005 / -.005	14.20
RCAT-3G5055	4.375 +.000 / -.005	4.375			4.375	+.000 / -.005	5.225	+.005 / -.005	0.250	+.005 / -.005	15.60
RCAT-8J0388	4.500 +.000 / -.005	4.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	75.60
RCAT-3G8507	4.500 +.000 / -.005	4.500			4.500	+.000 / -.005	5.475	+.005 / -.005	0.250	+.005 / -.005	16.50
RCAT-7J9257	4.750 +.000 / -.005	4.750			4.750	+.000 / -.005	5.725	+.005 / -.005	0.250	+.005 / -.005	17.35
RCAT-9J2548	5.000 +.000 / -.005	5.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	33.80
RCAT-9J3053	5.000 +.000 / -.005	5.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	15.10
RCAT-8J4509	5.000 +.000 / -.005	5.000			5.000	+.000 / -.005	5.960	+.005 / -.005	0.250	+.005 / -.005	18.40
RCAT-4T5717	5.250 +.000 / -.005	5.250			5.250	+.000 / -.005	6.210	+.005 / -.005	0.250	+.005 / -.005	20.25
RCAT-8J9449	5.500 +.000 / -.005	5.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	24.20
RCAT-8J9450	5.500 +.000 / -.005	5.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	40.35
RCAT-9J5468	5.750 +.000 / -.005	5.750			5.750	+.000 / -.005	6.725	+.005 / -.005	0.250	+.005 / -.005	21.80
RCAT-7J3865	6.125 +.000 / -.005	6.125			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	16.10
RCAT-7J3866	6.125 +.000 / -.005	6.125			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	67.65
RCAT-9J1186	6.500 +.000 / -.005	6.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	51.10

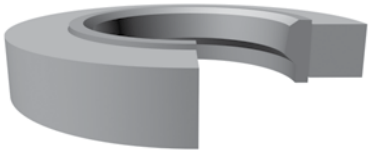
CAT SEAL RING SERIES - CAT X-REF - AU/NBR

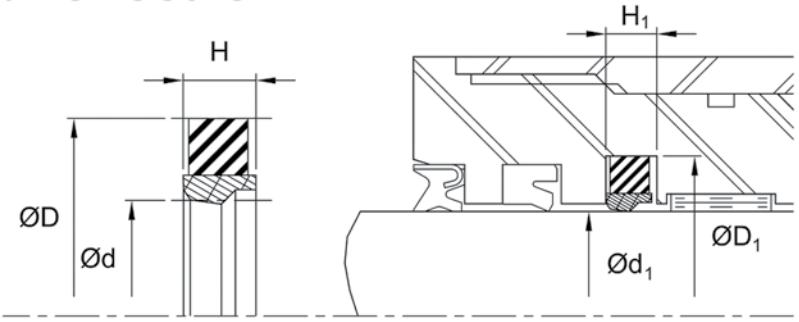
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-9J1203	6.500	+.000 / -.005	6.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	18.80
RCAT-6J8631	6.500	+.000 / -.005	6.500			6.500	+.000 / -.005	7.502	+.005 / -.005	0.250	+.005 / -.005	22.95
RCAT-3G8506	6.750	+.000 / -.005	6.750			6.750	+.000 / -.005	7.695	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-9J2495	7.000	+.000 / -.005	7.000			7.000	+.000 / -.005	7.945	+.005 / -.005	0.250	+.005 / -.005	23.85
RCAT-8T3539	7.000	+.000 / -.005	7.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	40.60
RCAT-8T3540	7.000	+.000 / -.005	7.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	21.15
RCAT-5J1731	7.000	+.000 / -.005	7.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	19.80
RCAT-5J5150	7.000	+.000 / -.005	7.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	15.35
RCAT-4T4803	7.250	+.000 / -.005	7.250			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	60.85
RCAT-4T4804	7.250	+.000 / -.005	7.250			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	24.75
RCAT-7J3867	7.500	+.000 / -.005	7.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	49.65
RCAT-7J3868	7.500	+.000 / -.005	7.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	26.45
RCAT-1214165	7.750	+.000 / -.005	7.750			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	63.20
RCAT-1214166	7.750	+.000 / -.005	7.750			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	27.20
RCAT-8J9916	8.500	+.000 / -.005	8.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	69.05
RCAT-6E0250	8.750	+.000 / -.005	8.750			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	71.85
RCAT-6E0251	8.750	+.000 / -.005	8.750			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	23.20
RCAT-6J7693	9.000	+.000 / -.005	9.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	28.65
RCAT-8T3541	9.000	+.000 / -.005	9.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	15.60
RCAT-8T3542	9.000	+.000 / -.005	9.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	27.90
RCAT-4T4806	10.500	+.000 / -.005	10.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	85.85
RCAT-4T4807	10.500	+.000 / -.005	10.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	147.35
RCAT-1U4623	11.000	+.000 / -.005	11.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	77.85
RCAT-1U4624	11.000	+.000 / -.005	11.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	32.60
RCAT-8T7575	11.000	+.000 / -.005	11.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	88.70
RCAT-8T7576	11.000	+.000 / -.005	11.000			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	22.60
RCAT-1214163	11.500	+.000 / -.005	11.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	82.80
RCAT-1214164	11.500	+.000 / -.005	11.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	26.35
RCAT-8T7573	12.500	+.000 / -.005	12.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	99.25
RCAT-8T7574	12.500	+.000 / -.005	12.500			O/R	+.000 / -.005	O/R	+.005 / -.005	O/R	+.005 / -.005	126.55

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CAT STEP SEAL - Buffer Seals

PTFE/Nitrile



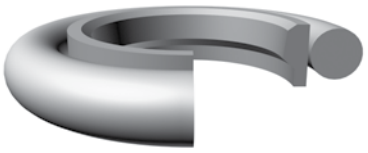


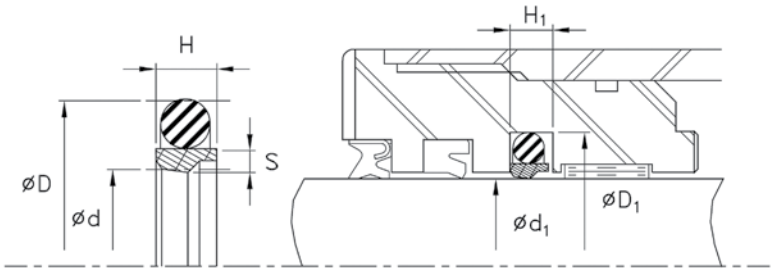
Temperature: -30/250F [-34/121C] **Pressure: 5800 PSI [400 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-1353251	1.250	+.000 / -.002	1.250			1.250	+.000 / -.002	1.780	+.005 / -.005	0.140	+.005 / -.005	O/R
RCAT-8C9122	1.500	+.000 / -.002	1.500			1.500	+.000 / -.002	2.033	+.005 / -.005	0.140	+.005 / -.005	14.25
RCAT-8C9117	1.625	+.000 / -.002	1.625			1.625	+.000 / -.002	2.158	+.005 / -.005	0.140	+.005 / -.005	14.75
RCAT-8C9123	1.750	+.000 / -.002	1.750			1.750	+.000 / -.002	2.283	+.005 / -.005	0.140	+.005 / -.005	15.35
RCAT-9X3566	1.875	+.000 / -.002	1.875			1.875	+.000 / -.002	2.252	+.005 / -.005	0.140	+.005 / -.005	16.00
RCAT-8C9124	2.000	+.000 / -.002	2.000			2.000	+.000 / -.002	2.533	+.005 / -.005	0.140	+.005 / -.005	16.65
RCAT-9X3568	2.125	+.000 / -.002	2.125			2.125	+.000 / -.002	2.627	+.005 / -.005	0.140	+.005 / -.005	19.40
RCAT-8C9125	2.250	+.000 / -.002	2.250			2.250	+.000 / -.002	2.891	+.005 / -.005	0.220	+.005 / -.005	21.40
RCAT-8C9138	2.375	+.000 / -.002	2.375			2.375	+.000 / -.002	3.016	+.005 / -.005	0.220	+.005 / -.005	23.85
RCAT-8C3839	2.500	+.000 / -.002	2.500			2.500	+.000 / -.002	3.141	+.005 / -.005	0.220	+.005 / -.005	24.95
RCAT-9T9363	2.625	+.000 / -.002	2.625			2.625	+.000 / -.002	3.266	+.005 / -.005	0.220	+.005 / -.005	26.35
RCAT-8C3841	2.750	+.000 / -.002	2.750			2.750	+.000 / -.002	3.391	+.005 / -.005	0.220	+.005 / -.005	27.05
RCAT-8C9126	3.000	+.000 / -.003	3.000			3.000	+.000 / -.003	3.641	+.005 / -.005	0.220	+.005 / -.005	28.50
RCAT-8C9121	3.250	+.000 / -.003	3.250			3.250	+.000 / -.003	3.891	+.005 / -.005	0.220	+.005 / -.005	29.65
RCAT-8C9127	3.500	+.000 / -.003	3.500			3.500	+.000 / -.003	4.141	+.005 / -.005	0.220	+.005 / -.005	30.40
RCAT-8C9128	3.750	+.000 / -.003	3.750			3.750	+.000 / -.003	4.391	+.005 / -.005	0.220	+.005 / -.005	32.20
RCAT-8C9129	4.000	+.000 / -.005	4.000			4.000	+.000 / -.005	4.641	+.005 / -.005	0.220	+.005 / -.005	34.10
RCAT-6E0425	4.250	+.000 / -.005	4.250			4.250	+.000 / -.005	5.225	+.005 / -.005	0.250	+.005 / -.005	56.35
RCAT-8C9144	4.500	+.000 / -.005	4.500			4.500	+.000 / -.005	5.475	+.005 / -.005	0.250	+.005 / -.005	58.40
RCAT-9X7261	4.750	+.000 / -.005	4.750			4.750	+.000 / -.005	5.725	+.005 / -.005	0.250	+.005 / -.005	59.50
RCAT-9X3581	5.000	+.000 / -.005	5.000			5.000	+.000 / -.005	5.960	+.005 / -.005	0.250	+.005 / -.005	61.05
RCAT-9X7267	5.250	+.000 / -.005	5.250			5.250	+.000 / -.005	6.210	+.005 / -.005	0.250	+.005 / -.005	62.65
RCAT-9X3572	5.500	+.000 / -.005	5.500			5.500	+.000 / -.005	6.116	+.005 / -.005	0.250	+.005 / -.005	65.50
RCAT-9X3575	5.750	+.000 / -.005	5.750			5.750	+.000 / -.005	6.725	+.005 / -.005	0.250	+.005 / -.005	67.05
RCAT-9X3614	6.000	+.000 / -.005	6.000			6.000	+.000 / -.005	6.619	+.005 / -.005	0.250	+.005 / -.005	72.10
RCAT-9X7322	6.500	+.000 / -.005	6.500			6.500	+.000 / -.005	7.502	+.005 / -.005	0.250	+.005 / -.005	78.40
RCAT-8C9145	6.750	+.000 / -.005	6.750			6.750	+.000 / -.005	7.695	+.005 / -.005	0.250	+.005 / -.005	83.50
RCAT-8C9130	7.000	+.000 / -.005	7.000			7.000	+.000 / -.005	7.945	+.005 / -.005	0.250	+.005 / -.005	86.45
RCAT-1080133	7.250	+.000 / -.005	7.250			7.250	+.000 / -.005	8.080	+.005 / -.005	0.250	+.005 / -.005	O/R
RCAT-1080131	7.500	+.000 / -.005	7.500			7.500	+.000 / -.005	8.330	+.005 / -.005	0.320	+.005 / -.005	163.20
RCAT-6E0246	8.000	+.000 / -.005	8.000			8.000	+.000 / -.005	8.833	+.005 / -.005	0.320	+.005 / -.005	O/R
RCAT-9X7327	8.250	+.000 / -.005	8.250			8.250	+.000 / -.005	9.080	+.005 / -.005	0.320	+.005 / -.005	O/R
RCAT-1086212	8.750	+.000 / -.005	8.750			8.750	+.000 / -.005	9.580	+.005 / -.005	0.320	+.005 / -.005	O/R

RSS - Buffer Seals

40% BR.PTFE/Nitrile





Temperature: -30/250F [-34/121C] **Pressure: 5800 PSI [400 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
RSS-00312	0.312	+.000 / -.001	0.312	0.067	0.114	-111	0.312	+.000 / -.001	0.600	+.003 / -.000	0.130	+.004 / -.004	11.95
RSS-00312HD	0.312	+.000 / -.001	0.312	0.100	0.153		0.312	+.000 / -.001	0.733	+.004 / -.000	0.169	+.004 / -.004	11.95
RSS-00312LD	0.312	+.000 / -.001	0.312	0.039	0.079		0.312	+.000 / -.001	0.505	+.003 / -.000	0.090	+.004 / -.004	11.95
RSS-00375	0.375	+.000 / -.001	0.375	0.067	0.114	-112	0.375	+.000 / -.001	0.662	+.003 / -.000	0.130	+.004 / -.004	12.10
RSS-00375HD	0.375	+.000 / -.001	0.375	0.100	0.153		0.375	+.000 / -.001	0.796	+.004 / -.000	0.169	+.004 / -.004	12.10
RSS-00375LD	0.375	+.000 / -.001	0.375	0.039	0.079		0.375	+.000 / -.001	0.568	+.003 / -.000	0.090	+.004 / -.004	12.10
RSS-00437	0.437	+.000 / -.001	0.437	0.067	0.114	-113	0.437	+.000 / -.001	0.725	+.003 / -.000	0.130	+.004 / -.004	12.25
RSS-00437HD	0.437	+.000 / -.001	0.437	0.100	0.153		0.437	+.000 / -.001	0.858	+.004 / -.000	0.169	+.004 / -.004	12.25
RSS-00437LD	0.437	+.000 / -.001	0.437	0.039	0.079		0.437	+.000 / -.001	0.630	+.003 / -.000	0.090	+.004 / -.004	12.25
RSS-00500	0.500	+.000 / -.001	0.500	0.067	0.114	-114	0.500	+.000 / -.001	0.787	+.003 / -.000	0.130	+.004 / -.004	12.35
RSS-00500HD	0.500	+.000 / -.001	0.500	0.100	0.153		0.500	+.000 / -.001	0.921	+.004 / -.000	0.169	+.004 / -.004	12.35
RSS-00500LD	0.500	+.000 / -.001	0.500	0.039	0.079		0.500	+.000 / -.001	0.693	+.003 / -.000	0.090	+.004 / -.004	12.35
RSS-00562	0.562	+.000 / -.001	0.562	0.067	0.114	-115	0.562	+.000 / -.001	0.850	+.003 / -.000	0.130	+.004 / -.004	12.50
RSS-00562HD	0.562	+.000 / -.001	0.562	0.100	0.153		0.562	+.000 / -.001	0.983	+.004 / -.000	0.169	+.004 / -.004	12.50
RSS-00562LD	0.562	+.000 / -.001	0.562	0.039	0.079		0.562	+.000 / -.001	0.755	+.003 / -.000	0.090	+.004 / -.004	12.50
RSS-00625	0.625	+.000 / -.001	0.625	0.067	0.114	-116	0.625	+.000 / -.001	0.912	+.003 / -.000	0.130	+.004 / -.004	12.60
RSS-00625HD	0.625	+.000 / -.001	0.625	0.100	0.153		0.625	+.000 / -.001	1.046	+.004 / -.000	0.169	+.004 / -.004	12.60
RSS-00625LD	0.625	+.000 / -.001	0.625	0.039	0.079		0.625	+.000 / -.001	0.818	+.003 / -.000	0.090	+.004 / -.004	12.60
RSS-00687	0.687	+.000 / -.001	0.687	0.067	0.114	-117	0.687	+.000 / -.001	0.975	+.003 / -.000	0.130	+.004 / -.004	12.75
RSS-00687HD	0.687	+.000 / -.001	0.687	0.100	0.153		0.687	+.000 / -.001	1.108	+.004 / -.000	0.169	+.004 / -.004	12.75
RSS-00687LD	0.687	+.000 / -.001	0.687	0.039	0.079		0.687	+.000 / -.001	0.880	+.003 / -.000	0.090	+.004 / -.004	12.75
RSS-00750	0.750	+.000 / -.001	0.750	0.100	0.153	-213	0.750	+.000 / -.001	1.171	+.004 / -.000	0.169	+.004 / -.004	12.85
RSS-00750HD	0.750	+.000 / -.001	0.750	0.136	0.232		0.750	+.000 / -.001	1.344	+.005 / -.000	0.252	+.004 / -.004	12.85
RSS-00750LD	0.750	+.000 / -.001	0.750	0.067	0.114		0.750	+.000 / -.001	1.037	+.003 / -.000	0.130	+.004 / -.004	12.85
RSS-00812	0.812	+.000 / -.001	0.812	0.100	0.153	-214	0.812	+.000 / -.001	1.234	+.004 / -.000	0.169	+.004 / -.004	13.00
RSS-00812HD	0.812	+.000 / -.001	0.812	0.136	0.232		0.812	+.000 / -.001	1.406	+.005 / -.000	0.252	+.004 / -.004	13.00
RSS-00812LD	0.812	+.000 / -.001	0.812	0.067	0.114		0.812	+.000 / -.001	1.099	+.003 / -.000	0.130	+.004 / -.004	13.00
RSS-00875	0.875	+.000 / -.001	0.875	0.100	0.153	-215	0.875	+.000 / -.001	1.296	+.004 / -.000	0.169	+.004 / -.004	13.15
RSS-00875HD	0.875	+.000 / -.001	0.875	0.136	0.232		0.875	+.000 / -.001	1.469	+.005 / -.000	0.252	+.004 / -.004	13.15
RSS-00875LD	0.875	+.000 / -.001	0.875	0.067	0.114		0.875	+.000 / -.001	1.162	+.003 / -.000	0.130	+.004 / -.004	13.15
RSS-00937	0.937	+.000 / -.001	0.937	0.100	0.153	-216	0.937	+.000 / -.001	1.359	+.004 / -.000	0.169	+.004 / -.004	13.35
RSS-00937HD	0.937	+.000 / -.001	0.937	0.136	0.232		0.937	+.000 / -.001	1.531	+.005 / -.000	0.252	+.004 / -.004	13.35
RSS-00937LD	0.937	+.000 / -.001	0.937	0.067	0.114		0.937	+.000 / -.001	1.224	+.003 / -.000	0.130	+.004 / -.004	13.35
RSS-01000	1.000	+.000 / -.001	1.000	0.100	0.153	-217	1.000	+.000 / -.001	1.421	+.004 / -.000	0.169	+.004 / -.004	13.55
RSS-01000HD	1.000	+.000 / -.001	1.000	0.136	0.232		1.000	+.000 / -.001	1.594	+.005 / -.000	0.252	+.004 / -.004	13.55
RSS-01000LD	1.000	+.000 / -.001	1.000	0.067	0.114		1.000	+.000 / -.001	1.287	+.003 / -.000	0.130	+.004 / -.004	13.55
RSS-01062	1.062	+.000 / -.001	1.062	0.100	0.153	-218	1.062	+.000 / -.001	1.484	+.004 / -.000	0.169	+.004 / -.004	13.70
RSS-01062HD	1.062	+.000 / -.001	1.062	0.136	0.232		1.062	+.000 / -.001	1.656	+.005 / -.000	0.252	+.004 / -.004	13.70

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Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
RSS-01062LD	1.062	+.000 / -.001	1.062	0.067	0.114		1.062	+.000 / -.001	1.349	+.003 / -.000	0.130	+.004 / -.004	13.70
RSS-01125	1.125	+.000 / -.001	1.125	0.100	0.153	-219	1.125	+.000 / -.001	1.546	+.004 / -.000	0.169	+.004 / -.004	14.00
RSS-01125HD	1.125	+.000 / -.001	1.125	0.136	0.232		1.125	+.000 / -.001	1.719	+.005 / -.000	0.252	+.004 / -.004	14.00
RSS-01125LD	1.125	+.000 / -.001	1.125	0.067	0.114		1.125	+.000 / -.001	1.412	+.003 / -.000	0.130	+.004 / -.004	14.00
RSS-01187	1.187	+.000 / -.001	1.187	0.100	0.153	-220	1.187	+.000 / -.001	1.609	+.004 / -.000	0.169	+.004 / -.004	14.30
RSS-01187HD	1.187	+.000 / -.001	1.187	0.136	0.232		1.187	+.000 / -.001	1.781	+.005 / -.000	0.252	+.004 / -.004	14.30
RSS-01187LD	1.187	+.000 / -.001	1.187	0.067	0.114		1.187	+.000 / -.001	1.474	+.003 / -.000	0.130	+.004 / -.004	14.30
RSS-01250	1.250	+.000 / -.001	1.250	0.100	0.153	-221	1.250	+.000 / -.001	1.671	+.004 / -.000	0.169	+.004 / -.004	14.95
RSS-01250HD	1.250	+.000 / -.001	1.250	0.136	0.232		1.250	+.000 / -.001	1.844	+.005 / -.000	0.252	+.004 / -.004	14.95
RSS-01250LD	1.250	+.000 / -.001	1.250	0.067	0.114		1.250	+.000 / -.001	1.537	+.003 / -.000	0.130	+.004 / -.004	14.95
RSS-01312	1.312	+.000 / -.001	1.312	0.100	0.153	-222	1.312	+.000 / -.001	1.734	+.004 / -.000	0.169	+.004 / -.004	15.65
RSS-01312HD	1.312	+.000 / -.001	1.312	0.136	0.232		1.312	+.000 / -.001	1.906	+.005 / -.000	0.252	+.004 / -.004	15.65
RSS-01312LD	1.312	+.000 / -.001	1.312	0.067	0.114		1.312	+.000 / -.001	1.599	+.003 / -.000	0.130	+.004 / -.004	15.65
RSS-01375	1.375	+.000 / -.001	1.375	0.100	0.153	-222	1.375	+.000 / -.001	1.796	+.004 / -.000	0.169	+.004 / -.004	16.45
RSS-01375HD	1.375	+.000 / -.001	1.375	0.136	0.232		1.375	+.000 / -.001	1.969	+.005 / -.000	0.252	+.004 / -.004	16.45
RSS-01375LD	1.375	+.000 / -.001	1.375	0.067	0.114		1.375	+.000 / -.001	1.662	+.003 / -.000	0.130	+.004 / -.004	16.45
RSS-01437	1.437	+.000 / -.001	1.437	0.100	0.153	-223	1.437	+.000 / -.001	1.859	+.004 / -.000	0.169	+.004 / -.004	17.15
RSS-01437HD	1.437	+.000 / -.001	1.437	0.136	0.232		1.437	+.000 / -.001	2.031	+.005 / -.000	0.252	+.004 / -.004	17.15
RSS-01437LD	1.437	+.000 / -.001	1.437	0.067	0.114		1.437	+.000 / -.001	1.724	+.003 / -.000	0.130	+.004 / -.004	17.15
RSS-01500	1.500	+.000 / -.002	1.500	0.136	0.232	-327	1.500	+.000 / -.002	2.094	+.005 / -.000	0.252	+.004 / -.004	17.95
RSS-01500HD	1.500	+.000 / -.002	1.500	0.187	0.299		1.500	+.000 / -.002	2.307	+.006 / -.000	0.323	+.004 / -.004	17.95
RSS-01500LD	1.500	+.000 / -.002	1.500	0.100	0.153		1.500	+.000 / -.002	1.921	+.004 / -.000	0.169	+.004 / -.004	17.95
RSS-01562	1.562	+.000 / -.002	1.562	0.136	0.232	-327	1.562	+.000 / -.002	2.157	+.005 / -.000	0.252	+.004 / -.004	18.70
RSS-01562HD	1.562	+.000 / -.002	1.562	0.187	0.299		1.562	+.000 / -.002	2.369	+.006 / -.000	0.323	+.004 / -.004	18.70
RSS-01562LD	1.562	+.000 / -.002	1.562	0.100	0.153		1.562	+.000 / -.002	1.983	+.004 / -.000	0.169	+.004 / -.004	18.70
RSS-01625	1.625	+.000 / -.002	1.625	0.136	0.232	-328	1.625	+.000 / -.002	2.219	+.005 / -.000	0.252	+.004 / -.004	19.45
RSS-01625HD	1.625	+.000 / -.002	1.625	0.187	0.299		1.625	+.000 / -.002	2.432	+.006 / -.000	0.323	+.004 / -.004	19.45
RSS-01625LD	1.625	+.000 / -.002	1.625	0.100	0.153		1.625	+.000 / -.002	2.046	+.004 / -.000	0.169	+.004 / -.004	19.45
RSS-01687	1.687	+.000 / -.002	1.687	0.136	0.232	-328	1.687	+.000 / -.002	2.282	+.005 / -.000	0.252	+.004 / -.004	20.15
RSS-01687HD	1.687	+.000 / -.002	1.687	0.187	0.299		1.687	+.000 / -.002	2.494	+.006 / -.000	0.323	+.004 / -.004	20.15
RSS-01687LD	1.687	+.000 / -.002	1.687	0.100	0.153		1.687	+.000 / -.002	2.108	+.004 / -.000	0.169	+.004 / -.004	20.15
RSS-01750	1.750	+.000 / -.002	1.750	0.136	0.232	-329	1.750	+.000 / -.002	2.344	+.005 / -.000	0.252	+.004 / -.004	20.95
RSS-01750HD	1.750	+.000 / -.002	1.750	0.187	0.299		1.750	+.000 / -.002	2.557	+.006 / -.000	0.323	+.004 / -.004	20.95
RSS-01750LD	1.750	+.000 / -.002	1.750	0.100	0.153		1.750	+.000 / -.002	2.171	+.004 / -.000	0.169	+.004 / -.004	20.95
RSS-01812	1.812	+.000 / -.002	1.812	0.136	0.232	-329	1.812	+.000 / -.002	2.407	+.005 / -.000	0.252	+.004 / -.004	21.65
RSS-01812HD	1.812	+.000 / -.002	1.812	0.187	0.299		1.812	+.000 / -.002	2.619	+.006 / -.000	0.323	+.004 / -.004	21.65
RSS-01812LD	1.812	+.000 / -.002	1.812	0.100	0.153		1.812	+.000 / -.002	2.233	+.004 / -.000	0.169	+.004 / -.004	21.65
RSS-01875	1.875	+.000 / -.002	1.875	0.136	0.232	-330	1.875	+.000 / -.002	2.469	+.005 / -.000	0.252	+.004 / -.004	22.40
RSS-01875HD	1.875	+.000 / -.002	1.875	0.187	0.299		1.875	+.000 / -.002	2.682	+.006 / -.000	0.323	+.004 / -.004	22.40
RSS-01875LD	1.875	+.000 / -.002	1.875	0.100	0.153		1.875	+.000 / -.002	2.296	+.004 / -.000	0.169	+.004 / -.004	22.40
RSS-01937	1.937	+.000 / -.002	1.937	0.136	0.232	-330	1.937	+.000 / -.002	2.532	+.005 / -.000	0.252	+.004 / -.004	23.15
RSS-01937HD	1.937	+.000 / -.002	1.937	0.187	0.299		1.937	+.000 / -.002	2.744	+.006 / -.000	0.323	+.004 / -.004	23.15
RSS-01937LD	1.937	+.000 / -.002	1.937	0.100	0.153		1.937	+.000 / -.002	2.358	+.004 / -.000	0.169	+.004 / -.004	23.15
RSS-02000	2.000	+.000 / -.002	2.000	0.136	0.232	-331	2.000	+.000 / -.002	2.594	+.005 / -.000	0.252	+.004 / -.004	23.90
RSS-02000HD	2.000	+.000 / -.002	2.000	0.187	0.299		2.000	+.000 / -.002	2.807	+.006 / -.000	0.323	+.004 / -.004	23.90
RSS-02000LD	2.000	+.000 / -.002	2.000	0.100	0.153		2.000	+.000 / -.002	2.421	+.004 / -.000	0.169	+.004 / -.004	23.90
RSS-02125	2.125	+.000 / -.002	2.125	0.136	0.232	-332	2.125	+.000 / -.002	2.719	+.005 / -.000	0.252	+.004 / -.004	25.40
RSS-02125HD	2.125	+.000 / -.002	2.125	0.187	0.299		2.125	+.000 / -.002	2.932	+.006 / -.000	0.323	+.004 / -.004	25.40

RSS SERIES - BR.PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
RSS-02125LD	2.125	+.000 / -.002	2.125	0.100	0.153		2.125	+.000 / -.002	2.546	+.004 / -.000	0.169	+.004 / -.004	25.40
RSS-02250	2.250	+.000 / -.002	2.250	0.136	0.232	-333	2.250	+.000 / -.002	2.844	+.005 / -.000	0.252	+.004 / -.004	26.90
RSS-02250HD	2.250	+.000 / -.002	2.250	0.187	0.299		2.250	+.000 / -.002	3.057	+.006 / -.000	0.323	+.004 / -.004	26.90
RSS-02250LD	2.250	+.000 / -.002	2.250	0.100	0.153		2.250	+.000 / -.002	2.671	+.004 / -.000	0.169	+.004 / -.004	26.90
RSS-02375	2.375	+.000 / -.002	2.375	0.136	0.232	-334	2.375	+.000 / -.002	2.969	+.005 / -.000	0.252	+.004 / -.004	28.40
RSS-02375HD	2.375	+.000 / -.002	2.375	0.187	0.299		2.375	+.000 / -.002	3.182	+.006 / -.000	0.323	+.004 / -.004	28.40
RSS-02375LD	2.375	+.000 / -.002	2.375	0.100	0.153		2.375	+.000 / -.002	2.796	+.004 / -.000	0.169	+.004 / -.004	28.40
RSS-02500	2.500	+.000 / -.002	2.500	0.136	0.232	-335	2.500	+.000 / -.002	3.094	+.005 / -.000	0.252	+.004 / -.004	29.90
RSS-02500HD	2.500	+.000 / -.002	2.500	0.187	0.299		2.500	+.000 / -.002	3.307	+.006 / -.000	0.323	+.004 / -.004	29.90
RSS-02500LD	2.500	+.000 / -.002	2.500	0.100	0.153		2.500	+.000 / -.002	2.921	+.004 / -.000	0.169	+.004 / -.004	29.90
RSS-02625	2.625	+.000 / -.002	2.625	0.136	0.232	-336	2.625	+.000 / -.002	3.219	+.005 / -.000	0.252	+.004 / -.004	31.35
RSS-02625HD	2.625	+.000 / -.002	2.625	0.187	0.299		2.625	+.000 / -.002	3.432	+.006 / -.000	0.323	+.004 / -.004	31.35
RSS-02625LD	2.625	+.000 / -.002	2.625	0.100	0.153		2.625	+.000 / -.002	3.046	+.004 / -.000	0.169	+.004 / -.004	31.35
RSS-02750	2.750	+.000 / -.002	2.750	0.136	0.232	-337	2.750	+.000 / -.002	3.344	+.005 / -.000	0.252	+.004 / -.004	32.85
RSS-02750HD	2.750	+.000 / -.002	2.750	0.187	0.299		2.750	+.000 / -.002	3.557	+.006 / -.000	0.323	+.004 / -.004	32.85
RSS-02750LD	2.750	+.000 / -.002	2.750	0.100	0.153		2.750	+.000 / -.002	3.171	+.004 / -.000	0.169	+.004 / -.004	32.85
RSS-02875	2.875	+.000 / -.002	2.875	0.136	0.232	-338	2.875	+.000 / -.002	3.469	+.005 / -.000	0.252	+.004 / -.004	34.35
RSS-02875HD	2.875	+.000 / -.002	2.875	0.187	0.299		2.875	+.000 / -.002	3.682	+.006 / -.000	0.323	+.004 / -.004	34.35
RSS-02875LD	2.875	+.000 / -.002	2.875	0.100	0.153		2.875	+.000 / -.002	3.296	+.004 / -.000	0.169	+.004 / -.004	34.35
RSS-03000	3.000	+.000 / -.003	3.000	0.136	0.232	-339	3.000	+.000 / -.003	3.594	+.005 / -.000	0.252	+.004 / -.004	35.85
RSS-03000HD	3.000	+.000 / -.003	3.000	0.187	0.299		3.000	+.000 / -.003	3.807	+.006 / -.000	0.323	+.004 / -.004	35.85
RSS-03000LD	3.000	+.000 / -.003	3.000	0.100	0.153		3.000	+.000 / -.003	3.421	+.004 / -.000	0.169	+.004 / -.004	35.85
RSS-03125	3.125	+.000 / -.003	3.125	0.136	0.232	-340	3.125	+.000 / -.003	3.719	+.005 / -.000	0.252	+.004 / -.004	37.35
RSS-03125HD	3.125	+.000 / -.003	3.125	0.187	0.299		3.125	+.000 / -.003	3.932	+.006 / -.000	0.323	+.004 / -.004	37.35
RSS-03125LD	3.125	+.000 / -.003	3.125	0.100	0.153		3.125	+.000 / -.003	3.546	+.004 / -.000	0.169	+.004 / -.004	37.35
RSS-03250	3.250	+.000 / -.003	3.250	0.136	0.232	-341	3.250	+.000 / -.003	3.844	+.005 / -.000	0.252	+.004 / -.004	38.85
RSS-03250HD	3.250	+.000 / -.003	3.250	0.187	0.299		3.250	+.000 / -.003	4.057	+.006 / -.000	0.323	+.004 / -.004	38.85
RSS-03250LD	3.250	+.000 / -.003	3.250	0.100	0.153		3.250	+.000 / -.003	3.671	+.004 / -.000	0.169	+.004 / -.004	38.85
RSS-03375	3.375	+.000 / -.003	3.375	0.136	0.232	-342	3.375	+.000 / -.003	3.969	+.005 / -.000	0.252	+.004 / -.004	40.35
RSS-03375HD	3.375	+.000 / -.003	3.375	0.187	0.299		3.375	+.000 / -.003	4.182	+.006 / -.000	0.323	+.004 / -.004	40.35
RSS-03375LD	3.375	+.000 / -.003	3.375	0.100	0.153		3.375	+.000 / -.003	3.796	+.004 / -.000	0.169	+.004 / -.004	40.35
RSS-03500	3.500	+.000 / -.003	3.500	0.136	0.232	-343	3.500	+.000 / -.003	4.094	+.005 / -.000	0.252	+.004 / -.004	41.85
RSS-03500HD	3.500	+.000 / -.003	3.500	0.187	0.299		3.500	+.000 / -.003	4.307	+.006 / -.000	0.323	+.004 / -.004	41.85
RSS-03500LD	3.500	+.000 / -.003	3.500	0.100	0.153		3.500	+.000 / -.003	3.921	+.004 / -.000	0.169	+.004 / -.004	41.85
RSS-03625	3.625	+.000 / -.003	3.625	0.136	0.232	-344	3.625	+.000 / -.003	4.219	+.005 / -.000	0.252	+.004 / -.004	43.30
RSS-03625HD	3.625	+.000 / -.003	3.625	0.187	0.299		3.625	+.000 / -.003	4.432	+.004 / -.000	0.323	+.004 / -.004	43.30
RSS-03625LD	3.625	+.000 / -.003	3.625	0.100	0.153		3.625	+.000 / -.003	4.046	+.004 / -.000	0.169	+.004 / -.004	43.30
RSS-03750	3.750	+.000 / -.003	3.750	0.136	0.232	-345	3.750	+.000 / -.003	4.344	+.005 / -.000	0.252	+.004 / -.004	44.75
RSS-03750HD	3.750	+.000 / -.003	3.750	0.187	0.299		3.750	+.000 / -.003	4.557	+.006 / -.000	0.323	+.004 / -.004	44.75
RSS-03750LD	3.750	+.000 / -.003	3.750	0.100	0.153		3.750	+.000 / -.003	4.171	+.006 / -.000	0.169	+.004 / -.004	44.75
RSS-03875	3.875	+.000 / -.003	3.875	0.136	0.232	-346	3.875	+.000 / -.003	4.469	+.005 / -.000	0.252	+.004 / -.004	46.25
RSS-03875HD	3.875	+.000 / -.003	3.875	0.187	0.299		3.875	+.000 / -.003	4.682	+.006 / -.000	0.323	+.004 / -.004	46.25
RSS-03875LD	3.875	+.000 / -.003	3.875	0.100	0.153		3.875	+.000 / -.003	4.296	+.004 / -.000	0.169	+.004 / -.004	46.25
RSS-04000	4.000	+.000 / -.005	4.000	0.136	0.232	-347	4.000	+.000 / -.005	4.594	+.005 / -.000	0.252	+.004 / -.004	47.75
RSS-04000HD	4.000	+.000 / -.005	4.000	0.187	0.299		4.000	+.000 / -.005	4.807	+.006 / -.000	0.323	+.004 / -.004	47.75
RSS-04000LD	4.000	+.000 / -.003	4.000	0.100	0.153		4.000	+.000 / -.003	4.421	+.004 / -.000	0.169	+.004 / -.004	47.75
RSS-04125	4.125	+.000 / -.005	4.125	0.136	0.232	-348	4.125	+.000 / -.005	4.719	+.005 / -.000	0.252	+.004 / -.004	49.20
RSS-04125HD	4.125	+.000 / -.005	4.125	0.187	0.299		4.125	+.000 / -.005	4.932	+.006 / -.000	0.323	+.004 / -.004	49.20

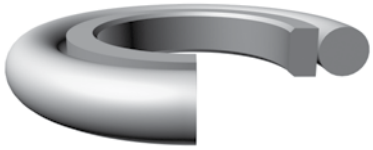
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
RSS-04125LD	4.125	+.000 / -.005	4.125	0.100	0.153		4.125	+.000 / -.005	4.546	+.004 / -.000	0.169	+.004 / -.004	49.20
RSS-04250	4.250	+.000 / -.005	4.250	0.136	0.232	-349	4.250	+.000 / -.005	4.844	+.005 / -.000	0.252	+.004 / -.004	50.70
RSS-04250HD	4.250	+.000 / -.005	4.250	0.187	0.299		4.250	+.000 / -.005	5.057	+.006 / -.000	0.323	+.004 / -.004	50.70
RSS-04250LD	4.250	+.000 / -.005	4.250	0.100	0.153		4.250	+.000 / -.005	4.671	+.004 / -.000	0.169	+.004 / -.004	50.70
RSS-04375	4.375	+.000 / -.005	4.375	0.136	0.232	-350	4.375	+.000 / -.005	4.969	+.005 / -.000	0.252	+.004 / -.004	52.20
RSS-04375HD	4.375	+.000 / -.005	4.375	0.187	0.299		4.375	+.000 / -.005	5.182	+.006 / -.000	0.323	+.004 / -.004	52.20
RSS-04375LD	4.375	+.000 / -.005	4.375	0.100	0.153		4.375	+.000 / -.005	4.796	+.004 / -.000	0.169	+.004 / -.004	52.20
RSS-04500	4.500	+.000 / -.005	4.500	0.136	0.232	-351	4.500	+.000 / -.005	5.094	+.005 / -.000	0.252	+.004 / -.004	53.70
RSS-04500HD	4.500	+.000 / -.005	4.500	0.187	0.299		4.500	+.000 / -.005	5.307	+.006 / -.000	0.323	+.004 / -.004	53.70
RSS-04500LD	4.500	+.000 / -.005	4.500	0.100	0.153		4.500	+.000 / -.005	4.921	+.004 / -.000	0.169	+.004 / -.004	53.70
RSS-04625	4.625	+.000 / -.005	4.625	0.136	0.232	-352	4.625	+.000 / -.005	5.219	+.005 / -.000	0.252	+.004 / -.004	55.20
RSS-04625HD	4.625	+.000 / -.005	4.625	0.187	0.299		4.625	+.000 / -.005	5.432	+.006 / -.000	0.323	+.004 / -.004	55.20
RSS-04625LD	4.625	+.000 / -.005	4.625	0.100	0.153		4.625	+.000 / -.005	5.046	+.004 / -.000	0.169	+.004 / -.004	55.20
RSS-04750	4.750	+.000 / -.005	4.750	0.136	0.232	-353	4.750	+.000 / -.005	5.344	+.005 / -.000	0.252	+.004 / -.004	56.70
RSS-04750HD	4.750	+.000 / -.005	4.750	0.187	0.299		4.750	+.000 / -.005	5.557	+.006 / -.000	0.323	+.004 / -.004	56.70
RSS-04750LD	4.750	+.000 / -.005	4.750	0.100	0.153		4.750	+.000 / -.005	5.171	+.004 / -.000	0.169	+.004 / -.004	56.70
RSS-04875	4.875	+.000 / -.005	4.875	0.136	0.232	-354	4.875	+.000 / -.005	5.469	+.005 / -.000	0.252	+.004 / -.004	58.20
RSS-04875HD	4.875	+.000 / -.005	4.875	0.187	0.299		4.875	+.000 / -.005	5.682	+.006 / -.000	0.323	+.004 / -.004	58.20
RSS-04875LD	4.875	+.000 / -.005	4.875	0.100	0.153		4.875	+.000 / -.005	5.296	+.004 / -.000	0.169	+.004 / -.004	58.20
RSS-05000	5.000	+.000 / -.005	5.000	0.136	0.232	-355	5.000	+.000 / -.005	5.594	+.005 / -.000	0.252	+.004 / -.004	59.70
RSS-05000HD	5.000	+.000 / -.005	5.000	0.187	0.299		5.000	+.000 / -.005	5.807	+.006 / -.000	0.323	+.004 / -.004	59.70
RSS-05000LD	5.000	+.000 / -.005	5.000	0.100	0.153		5.000	+.000 / -.005	5.421	+.004 / -.000	0.169	+.004 / -.004	59.70
RSS-05125	5.125	+.000 / -.005	5.125	0.136	0.232	-356	5.125	+.000 / -.005	5.719	+.005 / -.000	0.252	+.004 / -.004	61.15
RSS-05125HD	5.125	+.000 / -.005	5.125	0.187	0.299		5.125	+.000 / -.005	5.932	+.006 / -.000	0.323	+.004 / -.004	61.15
RSS-05125LD	5.125	+.000 / -.005	5.125	0.100	0.153		5.125	+.000 / -.005	5.546	+.004 / -.000	0.169	+.004 / -.004	61.15
RSS-05250	5.250	+.000 / -.005	5.250	0.136	0.232	-357	5.250	+.000 / -.005	5.844	+.005 / -.000	0.252	+.004 / -.004	62.65
RSS-05250HD	5.250	+.000 / -.005	5.250	0.187	0.299		5.250	+.000 / -.005	6.057	+.006 / -.000	0.323	+.004 / -.004	62.65
RSS-05250LD	5.250	+.000 / -.005	5.250	0.100	0.153		5.250	+.000 / -.005	5.671	+.004 / -.000	0.169	+.004 / -.004	62.65
RSS-05375	5.375	+.000 / -.005	5.375	0.136	0.232	-358	5.375	+.000 / -.005	5.969	+.005 / -.000	0.252	+.004 / -.004	64.15
RSS-05375HD	5.375	+.000 / -.005	5.375	0.187	0.299		5.375	+.000 / -.005	6.182	+.006 / -.000	0.323	+.004 / -.004	64.15
RSS-05375LD	5.375	+.000 / -.005	5.375	0.100	0.153		5.375	+.000 / -.005	5.796	+.004 / -.000	0.169	+.004 / -.004	64.15
RSS-05500	5.500	+.000 / -.005	5.500	0.136	0.232	-359	5.500	+.000 / -.005	6.094	+.005 / -.000	0.252	+.004 / -.004	65.65
RSS-05500HD	5.500	+.000 / -.005	5.500	0.187	0.299		5.500	+.000 / -.005	6.307	+.006 / -.000	0.323	+.004 / -.004	65.65
RSS-05500LD	5.500	+.000 / -.005	5.500	0.100	0.153		5.500	+.000 / -.005	5.921	+.004 / -.000	0.169	+.004 / -.004	65.65
RSS-05625	5.625	+.000 / -.005	5.625	0.136	0.232	-360	5.625	+.000 / -.005	6.219	+.005 / -.000	0.252	+.004 / -.004	67.15
RSS-05625HD	5.625	+.000 / -.005	5.625	0.187	0.299		5.625	+.000 / -.005	6.432	+.006 / -.000	0.323	+.004 / -.004	67.15
RSS-05625LD	5.625	+.000 / -.005	5.625	0.100	0.153		5.625	+.000 / -.005	6.046	+.004 / -.000	0.169	+.004 / -.004	67.15
RSS-05750	5.750	+.000 / -.005	5.750	0.136	0.232	-361	5.750	+.000 / -.005	6.344	+.005 / -.000	0.252	+.004 / -.004	68.60
RSS-05750HD	5.750	+.000 / -.005	5.750	0.187	0.299		5.750	+.000 / -.005	6.557	+.006 / -.000	0.323	+.004 / -.004	68.60
RSS-05750LD	5.750	+.000 / -.005	5.750	0.100	0.153		5.750	+.000 / -.005	6.171	+.004 / -.000	0.169	+.004 / -.004	68.60
RSS-06000	6.000	+.000 / -.005	6.000	0.136	0.232	-362	6.000	+.000 / -.005	6.594	+.005 / -.000	0.252	+.004 / -.004	71.60
RSS-06000HD	6.000	+.000 / -.005	6.000	0.187	0.299		6.000	+.000 / -.005	6.807	+.006 / -.000	0.323	+.004 / -.004	71.60
RSS-06000LD	6.000	+.000 / -.005	6.000	0.100	0.153		6.000	+.000 / -.005	6.421	+.004 / -.000	0.169	+.004 / -.004	71.60
RSS-06250	6.250	+.000 / -.005	6.250	0.136	0.232	-363	6.250	+.000 / -.005	6.844	+.005 / -.000	0.252	+.004 / -.004	74.60
RSS-06250HD	6.250	+.000 / -.005	6.250	0.187	0.299		6.250	+.000 / -.005	7.057	+.006 / -.000	0.323	+.004 / -.004	74.60
RSS-06250LD	6.250	+.000 / -.005	6.250	0.100	0.153		6.250	+.000 / -.005	6.671	+.004 / -.000	0.169	+.004 / -.004	74.60
RSS-06500	6.500	+.000 / -.005	6.500	0.136	0.232	-364	6.500	+.000 / -.005	7.094	+.005 / -.000	0.252	+.004 / -.004	77.60
RSS-06500HD	6.500	+.000 / -.005	6.500	0.187	0.299		6.500	+.000 / -.005	7.307	+.006 / -.000	0.323	+.004 / -.004	77.60

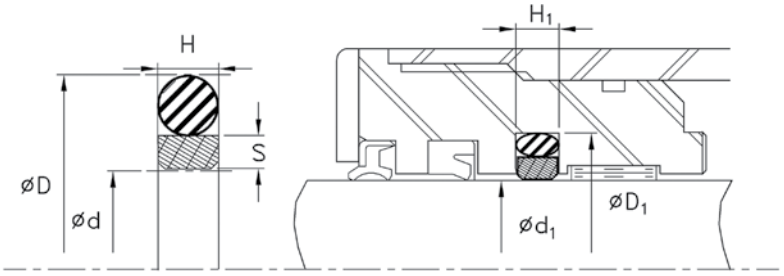
RSS SERIES - BR.PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
RSS-06500LD	6.500	+.000 / -.005	6.500	0.100	0.153		6.500	+.000 / -.005	6.921	+.004 / -.000	0.169	+.004 / -.004	77.60
RSS-06750	6.750	+.000 / -.005	6.750	0.136	0.232	-365	6.750	+.000 / -.005	7.344	+.005 / -.000	0.252	+.004 / -.004	80.55
RSS-06750HD	6.750	+.000 / -.005	6.750	0.187	0.299		6.750	+.000 / -.005	7.557	+.006 / -.000	0.323	+.004 / -.004	80.55
RSS-06750LD	6.750	+.000 / -.005	6.750	0.100	0.153		6.750	+.000 / -.005	7.171	+.004 / -.000	0.169	+.004 / -.004	80.55
RSS-07000	7.000	+.000 / -.005	7.000	0.136	0.232	-366	7.000	+.000 / -.005	7.594	+.005 / -.000	0.252	+.004 / -.004	83.55
RSS-07000HD	7.000	+.000 / -.005	7.000	0.187	0.299		7.000	+.000 / -.005	7.807	+.006 / -.000	0.323	+.004 / -.004	83.55
RSS-07000LD	7.000	+.000 / -.005	7.000	0.100	0.153		7.000	+.000 / -.005	7.421	+.004 / -.000	0.169	+.004 / -.004	83.55
RSS-07250	7.250	+.000 / -.005	7.250	0.136	0.232	-367	7.250	+.000 / -.005	7.844	+.005 / -.000	0.252	+.004 / -.004	86.55
RSS-07250HD	7.250	+.000 / -.005	7.250	0.187	0.299		7.250	+.000 / -.005	8.057	+.006 / -.000	0.323	+.004 / -.004	86.55
RSS-07250LD	7.250	+.000 / -.005	7.250	0.100	0.153		7.250	+.000 / -.005	7.671	+.004 / -.000	0.169	+.004 / -.004	86.55
RSS-07500	7.500	+.000 / -.005	7.500	0.136	0.232	-368	7.500	+.000 / -.005	8.094	+.005 / -.000	0.252	+.004 / -.004	89.55
RSS-07500HD	7.500	+.000 / -.005	7.500	0.187	0.299		7.500	+.000 / -.005	8.307	+.006 / -.000	0.323	+.004 / -.004	89.55
RSS-07500LD	7.500	+.000 / -.005	7.500	0.100	0.153		7.500	+.000 / -.005	7.921	+.004 / -.000	0.169	+.004 / -.004	89.55
RSS-07750	7.750	+.000 / -.005	7.750	0.136	0.232	-369	7.750	+.000 / -.005	8.344	+.005 / -.000	0.252	+.004 / -.004	92.45
RSS-07750HD	7.750	+.000 / -.005	7.750	0.187	0.299		7.750	+.000 / -.005	8.557	+.006 / -.000	0.323	+.004 / -.004	92.45
RSS-07750LD	7.750	+.000 / -.005	7.750	0.100	0.153		7.750	+.000 / -.005	8.171	+.004 / -.000	0.169	+.004 / -.004	92.45
RSS-08000	8.000	+.000 / -.005	8.000	0.187	0.299	-445	8.000	+.000 / -.005	8.807	+.006 / -.000	0.323	+.004 / -.004	95.45
RSS-08000HD	8.000	+.000 / -.005	8.000	0.250	0.299		8.000	+.000 / -.005	8.945	+.006 / -.000	0.323	+.004 / -.004	95.45
RSS-08000LD	8.000	+.000 / -.005	8.000	0.136	0.232		8.000	+.000 / -.005	8.594	+.005 / -.000	0.252	+.004 / -.004	95.45
RSS-08250	8.250	+.000 / -.005	8.250	0.187	0.299	-446	8.250	+.000 / -.005	9.057	+.006 / -.000	0.323	+.004 / -.004	98.40
RSS-08250HD	8.250	+.000 / -.005	8.250	0.250	0.299		8.250	+.000 / -.005	9.195	+.006 / -.000	0.323	+.004 / -.004	98.40
RSS-08250LD	8.250	+.000 / -.005	8.250	0.136	0.232		8.250	+.000 / -.005	8.844	+.005 / -.000	0.252	+.004 / -.004	98.40
RSS-08500	8.500	+.000 / -.005	8.500	0.187	0.299	-446	8.500	+.000 / -.005	9.307	+.006 / -.000	0.323	+.004 / -.004	101.40
RSS-08500HD	8.500	+.000 / -.005	8.500	0.250	0.299		8.500	+.000 / -.005	9.445	+.006 / -.000	0.323	+.004 / -.004	101.40
RSS-08500LD	8.500	+.000 / -.005	8.500	0.136	0.232		8.500	+.000 / -.005	9.094	+.005 / -.000	0.252	+.004 / -.004	101.40
RSS-08750	8.750	+.000 / -.005	8.750	0.187	0.299	-447	8.750	+.000 / -.005	9.557	+.006 / -.000	0.323	+.004 / -.004	104.40
RSS-08750HD	8.750	+.000 / -.005	8.750	0.250	0.299		8.750	+.000 / -.005	9.695	+.006 / -.000	0.323	+.004 / -.004	104.40
RSS-08750LD	8.750	+.000 / -.005	8.750	0.136	0.232		8.750	+.000 / -.005	9.344	+.005 / -.000	0.252	+.004 / -.004	104.40
RSS-09000	9.000	+.000 / -.005	9.000	0.187	0.299	-447	9.000	+.000 / -.005	9.807	+.006 / -.000	0.323	+.004 / -.004	107.40
RSS-09000HD	9.000	+.000 / -.005	9.000	0.250	0.299		9.000	+.000 / -.005	9.945	+.006 / -.000	0.323	+.004 / -.004	107.40
RSS-09000LD	9.000	+.000 / -.005	9.000	0.136	0.232		9.000	+.000 / -.005	9.594	+.005 / -.000	0.252	+.004 / -.004	107.40
RSS-09250	9.250	+.000 / -.005	9.250	0.187	0.299	-448	9.250	+.000 / -.005	10.057	+.006 / -.000	0.323	+.004 / -.004	110.35
RSS-09250HD	9.250	+.000 / -.005	9.250	0.250	0.299		9.250	+.000 / -.005	10.195	+.006 / -.000	0.323	+.004 / -.004	110.35
RSS-09250LD	9.250	+.000 / -.005	9.250	0.136	0.232		9.250	+.000 / -.005	9.844	+.005 / -.000	0.252	+.004 / -.004	110.35
RSS-09500	9.500	+.000 / -.005	9.500	0.187	0.299	-448	9.500	+.000 / -.005	10.307	+.006 / -.000	0.323	+.004 / -.004	113.35
RSS-09500HD	9.500	+.000 / -.005	9.500	0.250	0.299		9.500	+.000 / -.005	10.445	+.006 / -.000	0.323	+.004 / -.004	113.35
RSS-09500LD	9.500	+.000 / -.005	9.500	0.136	0.232		9.500	+.000 / -.005	10.094	+.005 / -.000	0.252	+.004 / -.004	113.35
RSS-09750	9.750	+.000 / -.005	9.750	0.187	0.299	-449	9.750	+.000 / -.005	10.557	+.006 / -.000	0.323	+.004 / -.004	116.35
RSS-09750HD	9.750	+.000 / -.005	9.750	0.250	0.299		9.750	+.000 / -.005	10.695	+.006 / -.000	0.323	+.004 / -.004	116.35
RSS-09750LD	9.750	+.000 / -.005	9.750	0.136	0.232		9.750	+.000 / -.005	10.344	+.005 / -.000	0.252	+.004 / -.004	116.35
RSS-10000	10.000	+.000 / -.005	10.000	0.187	0.299	-450	10.000	+.000 / -.005	10.945	+.006 / -.000	0.323	+.004 / -.004	119.30
RSS-10000HD	10.000	+.000 / -.005	10.000	0.250	0.299		10.000	+.000 / -.005	11.075	+.006 / -.000	0.323	+.004 / -.004	119.30
RSS-10000LD	10.000	+.000 / -.005	10.000	0.187	0.299		10.000	+.000 / -.005	10.807	+.006 / -.000	0.323	+.004 / -.004	119.30

R2B - Buffer Seals

40% BR.PTFE/Nitrile





Temperature: -30/250F [-34/121C] **Pressure: 5800 PSI [400 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
R2B-00312	0.312	+.000 / -.001	0.312	0.041	0.079	-012	0.312	+.000 / -.001	0.505	+.002 / -.000	0.090	+.004 / -.004	11.95
R2B-00375	0.375	+.000 / -.001	0.375	0.041	0.079	-013	0.375	+.000 / -.001	0.568	+.002 / -.000	0.090	+.004 / -.004	12.05
R2B-00437	0.437	+.000 / -.001	0.437	0.041	0.079	-014	0.437	+.000 / -.001	0.630	+.002 / -.000	0.090	+.004 / -.004	12.10
R2B-00500	0.500	+.000 / -.001	0.500	0.041	0.079	-015	0.500	+.000 / -.001	0.693	+.002 / -.000	0.090	+.004 / -.004	12.15
R2B-00562	0.562	+.000 / -.001	0.562	0.041	0.079	-016	0.562	+.000 / -.001	0.755	+.002 / -.000	0.090	+.004 / -.004	12.25
R2B-00625	0.625	+.000 / -.001	0.625	0.065	0.116	-116	0.625	+.000 / -.001	0.912	+.002 / -.000	0.130	+.004 / -.004	12.30
R2B-00687	0.687	+.000 / -.001	0.687	0.065	0.116	-117	0.687	+.000 / -.001	0.974	+.002 / -.000	0.130	+.004 / -.004	12.35
R2B-00750	0.750	+.000 / -.001	0.750	0.065	0.116	-118	0.750	+.000 / -.001	1.037	+.002 / -.000	0.130	+.004 / -.004	12.40
R2B-00812	0.812	+.000 / -.001	0.812	0.065	0.116	-119	0.812	+.000 / -.001	1.099	+.002 / -.000	0.130	+.004 / -.004	12.50
R2B-00875	0.875	+.000 / -.001	0.875	0.065	0.116	-120	0.875	+.000 / -.001	1.162	+.002 / -.000	0.130	+.004 / -.004	12.60
R2B-00937	0.937	+.000 / -.001	0.937	0.065	0.116	-121	0.937	+.000 / -.001	1.224	+.002 / -.000	0.130	+.004 / -.004	12.75
R2B-01000	1.000	+.000 / -.001	1.000	0.065	0.116	-122	1.000	+.000 / -.001	1.287	+.002 / -.000	0.130	+.004 / -.004	12.95
R2B-01062	1.062	+.000 / -.001	1.062	0.065	0.116	-123	1.062	+.000 / -.001	1.349	+.002 / -.000	0.130	+.004 / -.004	13.00
R2B-01125	1.125	+.000 / -.001	1.125	0.065	0.116	-124	1.125	+.000 / -.001	1.412	+.002 / -.000	0.130	+.004 / -.004	13.45
R2B-01187	1.187	+.000 / -.001	1.187	0.065	0.116	-125	1.187	+.000 / -.001	1.474	+.002 / -.000	0.130	+.004 / -.004	14.25
R2B-01250	1.250	+.000 / -.001	1.250	0.065	0.116	-126	1.250	+.000 / -.001	1.537	+.002 / -.000	0.130	+.004 / -.004	14.95
R2B-01312	1.312	+.000 / -.001	1.312	0.065	0.116	-127	1.312	+.000 / -.001	1.599	+.002 / -.000	0.130	+.004 / -.004	15.65
R2B-01375	1.375	+.000 / -.001	1.375	0.065	0.116	-128	1.375	+.000 / -.001	1.662	+.002 / -.000	0.130	+.004 / -.004	16.45
R2B-01437	1.437	+.000 / -.001	1.437	0.065	0.116	-129	1.437	+.000 / -.001	1.724	+.002 / -.000	0.130	+.004 / -.004	17.15
R2B-01500	1.500	+.000 / -.002	1.500	0.065	0.116	-130	1.500	+.000 / -.002	1.787	+.002 / -.000	0.130	+.004 / -.004	17.95
R2B-01562	1.562	+.000 / -.002	1.562	0.065	0.116	-131	1.562	+.000 / -.002	1.849	+.002 / -.000	0.130	+.004 / -.004	18.70
R2B-01625	1.625	+.000 / -.002	1.625	0.104	0.156	-224	1.625	+.000 / -.002	2.046	+.003 / -.000	0.169	+.004 / -.004	19.45
R2B-01687	1.687	+.000 / -.002	1.687	0.104	0.156	-225	1.687	+.000 / -.002	2.108	+.003 / -.000	0.169	+.004 / -.004	20.15
R2B-01750	1.750	+.000 / -.002	1.750	0.104	0.156	-225	1.750	+.000 / -.002	2.171	+.003 / -.000	0.169	+.004 / -.004	20.95
R2B-01812	1.812	+.000 / -.002	1.812	0.104	0.156	-226	1.812	+.000 / -.002	2.233	+.003 / -.000	0.169	+.004 / -.004	21.65
R2B-01875	1.875	+.000 / -.002	1.875	0.104	0.156	-226	1.875	+.000 / -.002	2.296	+.003 / -.000	0.169	+.004 / -.004	22.40
R2B-01937	1.937	+.000 / -.002	1.937	0.104	0.156	-227	1.937	+.000 / -.002	2.358	+.003 / -.000	0.169	+.004 / -.004	23.15
R2B-02000	2.000	+.000 / -.002	2.000	0.104	0.156	-227	2.000	+.000 / -.002	2.421	+.003 / -.000	0.169	+.004 / -.004	23.90
R2B-02125	2.125	+.000 / -.002	2.125	0.104	0.156	-228	2.125	+.000 / -.002	2.546	+.003 / -.000	0.169	+.004 / -.004	25.40
R2B-02250	2.250	+.000 / -.002	2.250	0.104	0.156	-229	2.250	+.000 / -.002	2.671	+.003 / -.000	0.169	+.004 / -.004	26.90
R2B-02375	2.375	+.000 / -.002	2.375	0.104	0.156	-230	2.375	+.000 / -.002	2.796	+.003 / -.000	0.169	+.004 / -.004	28.40
R2B-02500	2.500	+.000 / -.002	2.500	0.104	0.156	-231	2.500	+.000 / -.002	2.921	+.003 / -.000	0.169	+.004 / -.004	29.80
R2B-02625	2.625	+.000 / -.002	2.625	0.104	0.156	-232	2.625	+.000 / -.002	3.046	+.003 / -.000	0.169	+.004 / -.004	31.35
R2B-02750	2.750	+.000 / -.002	2.750	0.104	0.156	-233	2.750	+.000 / -.002	3.171	+.003 / -.000	0.169	+.004 / -.004	32.85
R2B-02875	2.875	+.000 / -.002	2.875	0.104	0.156	-233	2.875	+.000 / -.002	3.296	+.003 / -.000	0.169	+.004 / -.004	34.35
R2B-03000	3.000	+.000 / -.003	3.000	0.104	0.156	-235	3.000	+.000 / -.003	3.421	+.003 / -.000	0.169	+.004 / -.004	35.85
R2B-03125	3.125	+.000 / -.003	3.125	0.104	0.156	-236	3.125	+.000 / -.003	3.546	+.003 / -.000	0.169	+.004 / -.004	37.35
R2B-03250	3.250	+.000 / -.003	3.250	0.138	0.238	-341	3.250	+.000 / -.003	3.844	+.003 / -.000	0.252	+.004 / -.004	38.85

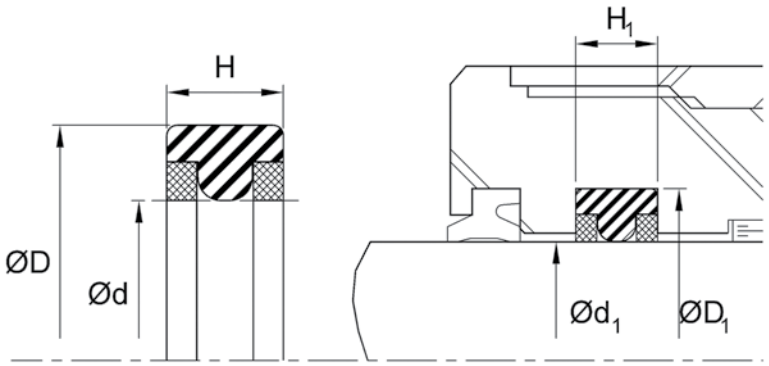
R2B SERIES - BR.PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP	d1	Tol.	D1	Tol.	H1	Tol.	
R2B-03375	3.375	+.000 / -.003	3.375	0.138	0.238	-342	3.375	+.000 / -.003	3.969	+.003 / -.000	0.252	+.004 / -.004	40.35
R2B-03500	3.500	+.000 / -.003	3.500	0.138	0.238	-343	3.500	+.000 / -.003	4.094	+.003 / -.000	0.252	+.004 / -.004	41.85
R2B-03625	3.625	+.000 / -.003	3.625	0.138	0.238	-344	3.625	+.000 / -.003	4.219	+.003 / -.000	0.252	+.004 / -.004	43.30
R2B-03750	3.750	+.000 / -.003	3.750	0.138	0.238	-345	3.750	+.000 / -.003	4.344	+.003 / -.000	0.252	+.004 / -.004	44.75
R2B-03875	3.875	+.000 / -.003	3.875	0.138	0.238	-346	3.875	+.000 / -.003	4.469	+.003 / -.000	0.252	+.004 / -.004	46.25
R2B-04000	4.000	+.000 / -.005	4.000	0.138	0.238	-347	4.000	+.000 / -.005	4.594	+.003 / -.000	0.252	+.004 / -.004	47.75
R2B-04125	4.125	+.000 / -.005	4.125	0.138	0.238	-348	4.125	+.000 / -.005	4.719	+.003 / -.000	0.252	+.004 / -.004	49.20
R2B-04250	4.250	+.000 / -.005	4.250	0.138	0.238	-349	4.250	+.000 / -.005	4.844	+.004 / -.000	0.252	+.004 / -.004	50.70
R2B-04375	4.375	+.000 / -.005	4.375	0.138	0.238	-350	4.375	+.000 / -.005	4.969	+.004 / -.000	0.252	+.004 / -.004	52.20
R2B-04500	4.500	+.000 / -.005	4.500	0.138	0.238	-351	4.500	+.000 / -.005	5.094	+.004 / -.000	0.252	+.004 / -.004	53.70
R2B-04625	4.625	+.000 / -.005	4.625	0.138	0.238	-352	4.625	+.000 / -.005	5.219	+.004 / -.000	0.252	+.004 / -.004	55.20
R2B-04750	4.750	+.000 / -.005	4.750	0.138	0.238	-353	4.750	+.000 / -.005	5.344	+.004 / -.000	0.252	+.004 / -.004	56.70
R2B-04875	4.875	+.000 / -.005	4.875	0.138	0.238	-354	4.875	+.000 / -.005	5.469	+.004 / -.000	0.252	+.004 / -.004	58.20
R2B-05000	5.000	+.000 / -.005	5.000	0.138	0.238	-355	5.000	+.000 / -.005	5.594	+.004 / -.000	0.252	+.004 / -.004	59.70
R2B-05125	5.125	+.000 / -.005	5.125	0.138	0.238	-356	5.125	+.000 / -.005	5.719	+.004 / -.000	0.252	+.004 / -.004	61.15
R2B-05250	5.250	+.000 / -.005	5.250	0.138	0.238	-357	5.250	+.000 / -.005	5.844	+.004 / -.000	0.252	+.004 / -.004	62.65
R2B-05375	5.375	+.000 / -.005	5.375	0.193	0.305	-434	5.375	+.000 / -.005	6.182	+.004 / -.000	0.323	+.004 / -.004	64.15
R2B-05500	5.500	+.000 / -.005	5.500	0.193	0.305	-435	5.500	+.000 / -.005	6.307	+.004 / -.000	0.323	+.004 / -.004	65.65
R2B-05625	5.625	+.000 / -.005	5.625	0.193	0.305	-436	5.625	+.000 / -.005	6.432	+.004 / -.000	0.323	+.004 / -.004	67.10
R2B-05750	5.750	+.000 / -.005	5.750	0.193	0.305	-437	5.750	+.000 / -.005	6.557	+.004 / -.000	0.323	+.004 / -.004	68.60
R2B-06000	6.000	+.000 / -.005	6.000	0.193	0.305	-438	6.000	+.000 / -.005	6.807	+.004 / -.000	0.323	+.004 / -.004	71.60
R2B-06250	6.250	+.000 / -.005	6.250	0.193	0.305	-439	6.250	+.000 / -.005	7.057	+.004 / -.000	0.323	+.004 / -.004	74.60
R2B-06500	6.500	+.000 / -.005	6.500	0.193	0.305	-440	6.500	+.000 / -.005	7.307	+.005 / -.000	0.323	+.004 / -.004	77.60
R2B-06750	6.750	+.000 / -.005	6.750	0.193	0.305	-441	6.750	+.000 / -.005	7.557	+.005 / -.000	0.323	+.004 / -.004	80.55
R2B-07000	7.000	+.000 / -.005	7.000	0.193	0.305	-442	7.000	+.000 / -.005	7.807	+.005 / -.000	0.323	+.004 / -.004	83.55
R2B-07250	7.250	+.000 / -.005	7.250	0.193	0.305	-443	7.250	+.000 / -.005	8.057	+.005 / -.000	0.323	+.004 / -.004	86.55
R2B-07500	7.500	+.000 / -.005	7.500	0.193	0.305	-444	7.500	+.000 / -.005	8.307	+.005 / -.000	0.323	+.004 / -.004	87.65
R2B-07750	7.750	+.000 / -.005	7.750	0.193	0.305	-445	7.750	+.000 / -.005	8.557	+.005 / -.000	0.323	+.004 / -.004	92.45
R2B-08000	8.000	+.000 / -.005	8.000	0.193	0.305	-445	8.000	+.000 / -.005	8.807	+.005 / -.000	0.323	+.004 / -.004	95.45
R2B-08250	8.250	+.000 / -.005	8.250	0.193	0.305	-446	8.250	+.000 / -.005	9.057	+.005 / -.000	0.323	+.004 / -.004	98.40
R2B-08500	8.500	+.000 / -.005	8.500	0.193	0.305	-446	8.500	+.000 / -.005	9.307	+.005 / -.000	0.323	+.004 / -.004	101.40
R2B-08750	8.750	+.000 / -.005	8.750	0.193	0.305	-447	8.750	+.000 / -.005	9.557	+.005 / -.000	0.323	+.004 / -.004	104.40
R2B-09000	9.000	+.000 / -.005	9.000	0.193	0.305	-447	9.000	+.000 / -.005	9.807	+.005 / -.000	0.323	+.004 / -.004	107.40
R2B-09250	9.250	+.000 / -.005	9.250	0.193	0.305	-448	9.250	+.000 / -.005	10.057	+.005 / -.000	0.323	+.004 / -.004	110.35
R2B-09500	9.500	+.000 / -.005	9.500	0.193	0.305	-448	9.500	+.000 / -.005	10.307	+.005 / -.000	0.323	+.004 / -.004	113.35
R2B-09750	9.750	+.000 / -.005	9.750	0.193	0.305	-449	9.750	+.000 / -.005	10.557	+.005 / -.000	0.323	+.004 / -.004	116.35
R2B-10000	10.000	+.000 / -.005	10.000	0.193	0.305	-449	10.000	+.000 / -.005	10.807	+.005 / -.000	0.323	+.004 / -.004	119.30

TR - Rod Seals

Nitrile/Nylon





Temperature: -40/225F [-40/107C] **Pressure: 2500 PSI [175 Bar]**

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
TR-106	0.187	+.001/-.001	0.187	0.375		0.187	+.001/-.001	0.370	+.000/-.002	0.150	+.005/-.000	4.10
TR-108	0.250	+.001/-.001	0.250	0.437		0.250	+.001/-.001	0.433	+.000/-.002	0.150	+.005/-.000	3.60
TR-109	0.312	+.001/-.001	0.312	0.500		0.312	+.001/-.001	0.495	+.000/-.002	0.150	+.005/-.000	4.20
TR-204	0.375	+.001/-.001	0.375	0.625		0.375	+.001/-.001	0.618	+.000/-.002	0.185	+.005/-.000	3.80
TR-205	0.437	+.001/-.001	0.437	0.687		0.437	+.001/-.001	0.680	+.000/-.002	0.185	+.005/-.000	4.45
TR-206	0.500	+.001/-.001	0.500	0.750		0.500	+.001/-.001	0.743	+.000/-.002	0.185	+.005/-.000	3.90
TR-207	0.562	+.001/-.001	0.562	0.812		0.562	+.001/-.001	0.805	+.000/-.002	0.185	+.005/-.000	4.65
TR-208	0.625	+.001/-.001	0.625	0.875		0.625	+.001/-.001	0.868	+.000/-.002	0.185	+.005/-.000	4.15
TR-209	0.687	+.001/-.001	0.687	0.937		0.687	+.001/-.001	0.930	+.000/-.002	0.185	+.005/-.000	4.90
TR-210	0.750	+.001/-.001	0.750	1.000		0.750	+.001/-.001	0.992	+.000/-.002	0.185	+.005/-.000	4.20
TR-211	0.812	+.001/-.001	0.812	1.062		0.812	+.001/-.001	1.054	+.000/-.002	0.185	+.005/-.000	5.05
TR-212	0.875	+.001/-.001	0.875	1.125		0.875	+.001/-.001	1.117	+.000/-.002	0.185	+.005/-.000	4.55
TR-213	0.937	+.001/-.001	0.937	1.187		0.937	+.001/-.001	1.179	+.000/-.002	0.185	+.005/-.000	5.35
TR-214	1.000	+.001/-.001	1.000	1.250		1.000	+.001/-.001	1.242	+.000/-.002	0.185	+.005/-.000	4.80
TR-215	1.062	+.001/-.001	1.062	1.312		1.062	+.001/-.001	1.304	+.000/-.002	0.185	+.005/-.000	5.80
TR-216	1.125	+.001/-.001	1.125	1.375		1.125	+.001/-.001	1.367	+.000/-.002	0.185	+.005/-.000	5.20
TR-217	1.187	+.001/-.001	1.187	1.437		1.187	+.001/-.001	1.429	+.000/-.002	0.185	+.005/-.000	6.20
TR-218	1.250	+.001/-.001	1.250	1.500		1.250	+.001/-.001	1.492	+.000/-.002	0.185	+.005/-.000	5.50
TR-219	1.312	+.001/-.001	1.312	1.562		1.312	+.001/-.001	1.554	+.000/-.002	0.185	+.005/-.000	6.65
TR-220	1.375	+.001/-.001	1.375	1.625		1.375	+.001/-.001	1.617	+.000/-.002	0.185	+.005/-.000	5.70
TR-221	1.437	+.001/-.001	1.437	1.687		1.437	+.001/-.001	1.679	+.000/-.002	0.185	+.005/-.000	7.00
TR-222	1.500	+.001/-.001	1.500	1.750		1.500	+.001/-.001	1.742	+.000/-.002	0.185	+.005/-.000	6.50
TR-325	1.500	+.001/-.001	1.500	1.875		1.500	+.001/-.001	1.871	+.000/-.002	0.280	+.005/-.000	6.95
TR-326	1.625	+.001/-.001	1.625	2.000		1.625	+.001/-.001	1.996	+.000/-.002	0.280	+.005/-.000	7.50

TR SERIES - NBR/NYLON

Ref.Number	Rod Diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
TR-327	1.750	+.001/-.001	1.750	2.125		1.750	+.001/-.001	2.121	+.000/-.002	0.280	+.005/-.000	7.85
TR-328	1.875	+.001/-.001	1.875	2.250		1.875	+.001/-.001	2.246	+.000/-.002	0.280	+.005/-.000	8.35
TR-329	2.000	+.001/-.001	2.000	2.375		2.000	+.001/-.001	2.371	+.000/-.002	0.280	+.005/-.000	8.75
TR-330	2.125	+.001/-.001	2.125	2.500		2.125	+.001/-.001	2.496	+.000/-.002	0.280	+.005/-.000	10.65
TR-331	2.250	+.001/-.001	2.250	2.625		2.250	+.001/-.001	2.613	+.000/-.002	0.280	+.005/-.000	9.70
TR-332	2.375	+.002/-.002	2.375	2.750		2.375	+.002/-.002	2.746	+.001/-.003	0.280	+.005/-.000	11.70
TR-333	2.500	+.002/-.002	2.500	2.875		2.500	+.002/-.002	2.871	+.001/-.003	0.280	+.005/-.000	10.60
TR-334	2.625	+.002/-.002	2.625	3.000		2.625	+.002/-.002	2.996	+.001/-.003	0.280	+.005/-.000	12.50
TR-335	2.750	+.002/-.002	2.750	3.125		2.750	+.002/-.002	3.121	+.001/-.003	0.280	+.005/-.000	11.50
TR-336	2.875	+.002/-.002	2.875	3.250		2.875	+.002/-.002	3.246	+.001/-.003	0.280	+.005/-.000	14.60
TR-337	3.000	+.002/-.002	3.000	3.375		3.000	+.002/-.002	3.370	+.001/-.003	0.280	+.005/-.000	11.85
TR-338	3.125	+.002/-.002	3.125	3.500		3.125	+.002/-.002	3.495	+.001/-.003	0.280	+.005/-.000	15.55
TR-339	3.250	+.002/-.002	3.250	3.625		3.250	+.002/-.002	3.620	+.001/-.003	0.280	+.005/-.000	14.70
TR-340	3.375	+.002/-.002	3.375	3.750		3.375	+.002/-.002	3.745	+.001/-.003	0.280	+.005/-.000	17.55
TR-341	3.500	+.002/-.002	3.500	3.875		3.500	+.002/-.002	3.870	+.001/-.003	0.280	+.005/-.000	16.40
TR-342	3.625	+.002/-.002	3.625	4.000		3.625	+.002/-.002	3.995	+.001/-.003	0.280	+.005/-.000	19.55
TR-343	3.750	+.002/-.002	3.750	4.125		3.750	+.002/-.002	4.120	+.001/-.003	0.280	+.005/-.000	18.15
TR-344	3.875	+.002/-.002	3.875	4.250		3.875	+.002/-.002	4.245	+.001/-.003	0.280	+.005/-.000	21.65
TR-345	4.000	+.002/-.002	4.000	4.375		4.000	+.002/-.002	4.370	+.001/-.003	0.280	+.005/-.000	19.90
TR-346	4.125	+.002/-.002	4.125	4.500		4.125	+.002/-.002	4.495	+.001/-.003	0.280	+.005/-.000	24.35
TR-347	4.250	+.002/-.002	4.250	4.625		4.250	+.002/-.002	4.620	+.001/-.003	0.280	+.005/-.000	21.70
TR-348	4.375	+.002/-.002	4.375	4.750		4.375	+.002/-.002	4.745	+.001/-.003	0.280	+.005/-.000	26.35
TR-349	4.500	+.002/-.002	4.500	4.875		4.500	+.002/-.002	4.870	+.001/-.003	0.280	+.005/-.000	24.60
TR-429	5.000	+.002/-.002	5.000	5.500		5.000	+.002/-.002	5.475	+.001/-.003	0.366	+.005/-.000	30.25
TR-431	5.250	+.002/-.002	5.250	5.750		5.250	+.002/-.002	5.725	+.001/-.003	0.366	+.005/-.000	32.55
TR-433	5.500	+.002/-.002	5.500	6.000		5.500	+.002/-.002	5.975	+.001/-.003	0.366	+.005/-.000	34.25
TR-434	5.625	+.002/-.002	5.625	6.125		5.625	+.002/-.002	6.100	+.001/-.003	0.366	+.005/-.000	35.40
TR-437	6.000	+.003/-.003	6.000	6.500		6.000	+.003/-.003	6.475	+.002/-.004	0.366	+.005/-.000	38.25
TR-438	6.250	+.003/-.003	6.250	6.750		6.250	+.003/-.003	6.725	+.002/-.004	0.366	+.005/-.000	39.95
TR-439	6.500	+.003/-.003	6.500	7.000		6.500	+.003/-.003	6.975	+.002/-.004	0.366	+.005/-.000	41.10
TR-440	6.750	+.003/-.003	6.750	7.250		6.750	+.003/-.003	7.225	+.002/-.004	0.366	+.005/-.000	42.80
TR-441	7.000	+.003/-.003	7.000	7.500		7.000	+.003/-.003	7.475	+.002/-.004	0.366	+.005/-.000	44.45
TR-442	7.250	+.003/-.003	7.250	7.750		7.250	+.003/-.003	7.725	+.002/-.004	0.366	+.005/-.000	46.20
TR-443	7.500	+.003/-.003	7.500	8.000		7.500	+.003/-.003	7.984	+.002/-.004	0.366	+.005/-.000	47.35
TR-445	8.000	+.003/-.003	8.000	8.500		8.000	+.003/-.003	8.475	+.002/-.004	0.366	+.005/-.000	54.75
TR-447	9.000	+.003/-.003	9.000	9.500		9.000	+.003/-.003	9.475	+.002/-.004	0.366	+.005/-.000	63.30
TR-448	9.500	+.003/-.003	9.500	10.000		9.500	+.003/-.003	9.975	+.002/-.004	0.366	+.005/-.000	68.40
TR-449	10.000	+.003/-.003	10.000	10.500		10.000	+.003/-.003	10.475	+.002/-.004	0.366	+.005/-.000	71.85
TR-451	11.000	+.003/-.003	11.000	11.500		11.000	+.003/-.003	11.475	+.002/-.004	0.366	+.005/-.000	91.15

www.sealsonline.com

Pneumatic Cushion Seals Series V6 and PP

Cushion Seals or Damper Rings, as they are sometimes called, are used to seal damper pistons in pneumatic cylinders. These seals also function as mechanical check valves.

Installation of a Cushion Seal is very simple as it manually snaps into the groove recess.

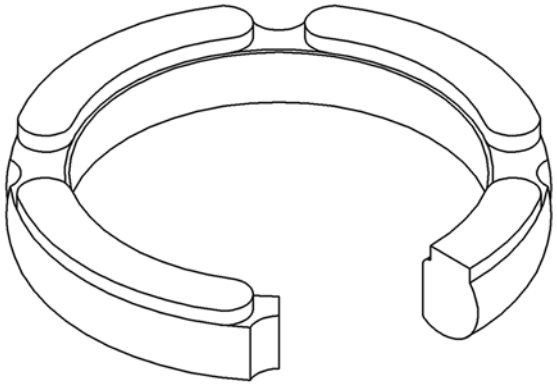
The diagrams on the opposite page (left) illustrate the basic functioning of both the Parker V6 and PP profile Cushion Seals in three stages.

Stage 1 – The cushioning process begins when the cushion piston, called the "spud", enters the dynamic sealing lip. The seal moves to the back of the gland creating a seal on the inside diameter and the back of the cushion seal.

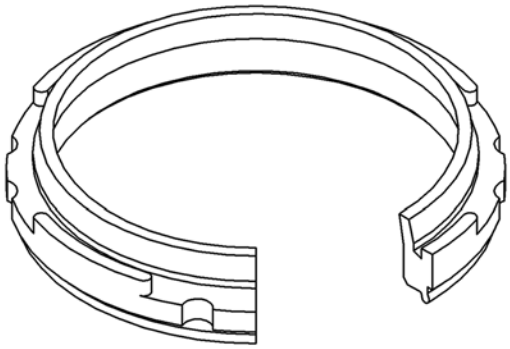
Stage 2 – Pressure increases between the piston and the Cushion Seal due to the movement of the piston toward the end of the cylinder. Cushioning is regulated by controlling the flow through a throttle port which may be internally or externally regulated on some cylinders.

Stage 3 – At the end of the stroke, pressure is equal on both sides of the Cushion Seal. By means of the return pressure (circa 0.1 bar), the Cushion Seal moves axially until the stop cams reach the front of the groove. The pressure is allowed to by-pass the outside diameter of the seal to allow constant acceleration. The spud on the other end of the piston (rod end) enters the Cushion Seal on the other end of the cylinder and the entire process begins again.

Both the Series V6 and PP profiles perform in the same manner. Profile V6 however, is designed for applications where a considerably smaller groove space is available.



Series V6 Cushion Seals



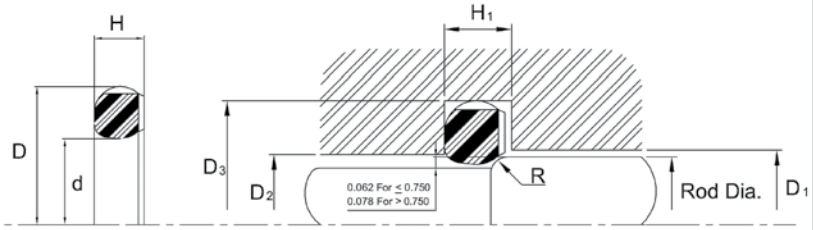
Series PP Cushion Seals

Parker Seals

V6 - Cushion Seals

Polyurethane AU 90A





Temperature: -40/200F [-40/93C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	d	D	H	D1	D2	D3	H1	R	
V615700375/4622	0.375	+.000 / -.002	0.375	0.687	0.157	0.449 / 0.453	0.390 / 0.393	0.685 / 0.689	0.181 / 0.197	0.118	7.55
V615700625/4622	0.625	+.000 / -.002	0.625	0.937	0.157	0.699 / 0.703	0.640 / 0.644	0.935 / 0.940	0.181 / 0.197	0.118	7.25
V615700750/4622	0.750	+.000 / -.002	0.750	1.062	0.157	0.824 / 0.828	0.765 / 0.769	1.060 / 1.065	0.181 / 0.197	0.118	8.05
V615700875/4622	0.875	+.000 / -.002	0.875	1.187	0.157	0.959 / 0.964	0.900 / 0.905	1.195 / 1.201	0.181 / 0.197	0.118	9.35
V619701187/4622	1.187	+.000 / -.002	1.187	1.562	0.197	1.263 / 1.270	1.208 / 1.215	1.578 / 1.585	0.228 / 0.244	0.157	8.70
V615701250/4622	1.250	+.000 / -.002	1.250	1.562	0.157	1.332 / 1.338	1.273 / 1.279	1.568 / 1.574	0.181 / 0.197	0.118	7.90
V615701625/4622	1.625	+.000 / -.002	1.625	1.937	0.157	1.703 / 1.709	1.644 / 1.650	1.939 / 1.945	0.181 / 0.197	0.118	7.95
V619701625/4622	1.625	+.000 / -.002	1.625	2.000	0.197	1.701 / 1.709	1.646 / 1.653	2.016 / 2.023	0.228 / 0.244	0.157	12.70
V619702000/4622	2.000	+.000 / -.002	2.000	2.375	0.197	2.076 / 2.083	2.021 / 2.028	2.391 / 2.398	0.228 / 0.244	0.157	22.25
V615702250/4622	2.250	+.000 / -.002	2.250	2.562	0.157	2.326 / 2.333	2.267 / 2.274	2.562 / 2.569	0.181 / 0.197	0.118	8.95
V627602750/4622	2.750	+.000 / -.003	2.750	3.312	0.276	2.858 / 2.865	2.764 / 2.771	3.291 / 3.300	0.323 / 0.339	0.197	15.55
V627604250/4622	4.250	+.000 / -.003	4.250	4.812	0.276	4.343 / 4.352	4.249 / 4.258	4.776 / 4.786	0.323 / 0.339	0.197	22.80

V6 SERIES - NBR 80: -40/250F [-40/121C]

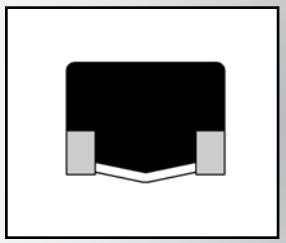
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	d	D	H	D1	D2	D3	H1	R	
V615700375/4180	0.375	+.000 / -.002	0.375	0.687	0.157	0.449 / 0.453	0.390 / 0.393	0.685 / 0.689	0.181 / 0.197	0.118	7.85
V615700625/4180	0.625	+.000 / -.002	0.625	0.937	0.157	0.699 / 0.703	0.640 / 0.644	0.935 / 0.940	0.181 / 0.197	0.118	7.95
V615700750/4180	0.750	+.000 / -.002	0.750	1.062	0.157	0.824 / 0.828	0.765 / 0.769	1.060 / 1.065	0.181 / 0.197	0.118	9.90
V615700875/4180	0.875	+.000 / -.002	0.875	1.187	0.157	0.959 / 0.964	0.900 / 0.905	1.195 / 1.201	0.181 / 0.197	0.118	8.35
V619701187/4180	1.187	+.000 / -.002	1.187	1.562	0.197	1.263 / 1.270	1.208 / 1.215	1.578 / 1.585	0.228 / 0.244	0.157	O/R
V615701250/4180	1.250	+.000 / -.002	1.250	1.562	0.157	1.332 / 1.338	1.273 / 1.279	1.568 / 1.574	0.181 / 0.197	0.118	9.35
V615701625/4180	1.625	+.000 / -.002	1.625	1.937	0.157	1.703 / 1.709	1.644 / 1.650	1.939 / 1.945	0.181 / 0.197	0.118	10.85
V619701625/4180	1.625	+.000 / -.002	1.625	2.000	0.197	1.701 / 1.709	1.646 / 1.653	2.016 / 2.023	0.228 / 0.244	0.157	O/R
V619702000/4180	2.000	+.000 / -.002	2.000	2.375	0.197	2.076 / 2.083	2.021 / 2.028	2.391 / 2.398	0.228 / 0.244	0.157	13.60
V615702250/4180	2.250	+.000 / -.002	2.250	2.562	0.157	2.326 / 2.333	2.267 / 2.274	2.562 / 2.569	0.181 / 0.197	0.118	O/R
V627602750/4180	2.750	+.000 / -.003	2.750	3.312	0.276	2.858 / 2.865	2.764 / 2.771	3.291 / 3.300	0.323 / 0.339	0.197	O/R
V627604250/4180	4.250	+.000 / -.003	4.250	4.812	0.276	4.343 / 4.352	4.249 / 4.258	4.776 / 4.786	0.323 / 0.339	0.197	O/R

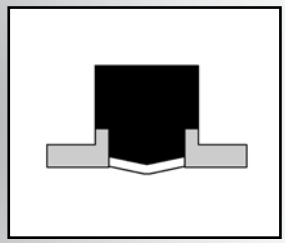
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V6 SERIES - FPM 90: -20/400F [-28/204C]

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	d	D	H	D1	D2	D3	H1	R	
V615700375/4208	0.375	+.000 / -.002	0.375	0.687	0.157	0.449 / 0.453	0.390 / 0.393	0.685 / 0.689	0.181 / 0.197	0.118	56.75
V615700625/4208	0.625	+.000 / -.002	0.625	0.937	0.157	0.699 / 0.703	0.640 / 0.644	0.935 / 0.940	0.181 / 0.197	0.118	57.55
V615700750/4208	0.750	+.000 / -.002	0.750	1.062	0.157	0.824 / 0.828	0.765 / 0.769	1.060 / 1.065	0.181 / 0.197	0.118	60.40
V615700875/4208	0.875	+.000 / -.002	0.875	1.187	0.157	0.959 / 0.964	0.900 / 0.905	1.195 / 1.201	0.181 / 0.197	0.118	61.50
V619701187/4208	1.187	+.000 / -.002	1.187	1.562	0.197	1.263 / 1.270	1.208 / 1.215	1.578 / 1.585	0.228 / 0.244	0.157	O/R
V615701250/4208	1.250	+.000 / -.002	1.250	1.562	0.157	1.332 / 1.338	1.273 / 1.279	1.568 / 1.574	0.181 / 0.197	0.118	62.05
V615701625/4208	1.625	+.000 / -.002	1.625	1.937	0.157	1.703 / 1.709	1.644 / 1.650	1.939 / 1.945	0.181 / 0.197	0.118	65.60
V619701625/4208	1.625	+.000 / -.002	1.625	2.000	0.197	1.701 / 1.709	1.646 / 1.653	2.016 / 2.023	0.228 / 0.244	0.157	83.70
V619702000/4208	2.000	+.000 / -.002	2.000	2.375	0.197	2.076 / 2.083	2.021 / 2.028	2.391 / 2.398	0.228 / 0.244	0.157	90.55
V615702250/4208	2.250	+.000 / -.002	2.250	2.562	0.157	2.326 / 2.333	2.267 / 2.274	2.562 / 2.569	0.181 / 0.197	0.118	72.70
V627602750/4208	2.750	+.000 / -.003	2.750	3.312	0.276	2.858 / 2.865	2.764 / 2.771	3.291 / 3.300	0.323 / 0.339	0.197	O/R
V627604250/4208	4.250	+.000 / -.003	4.250	4.812	0.276	4.343 / 4.352	4.249 / 4.258	4.776 / 4.786	0.323 / 0.339	0.197	O/R

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

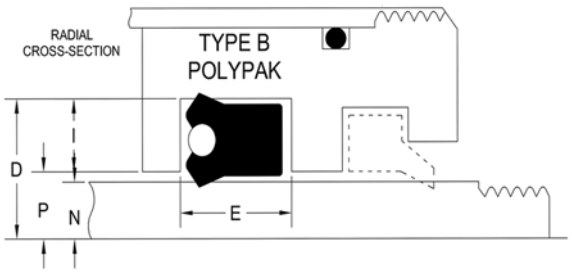






INFO	PARKER POLYPAK SEALS	C	2
	STANDARD POLYPAK	C	4
	DEEP POLYPAK	C	12
	TYPE B POLYPAK	C	18
	MODULAR BACKUP	C	25
	US	C	28
	US/HD	C	31
	AN6226	C	37
	8400	C	39
	FU	C	42
	HU	C	45

PolyPak ROD DESIGN TABLE



Rod Seal Example

Given desired rod diameter of 2-1/2" with a normal seal cross-section of 1/4".

Rod dia.(N) = 2.500 + .000/-.002

Throat dia.(P) = Nmax + .001 + .003/-.000 = 2.500 + .001 = 2.501 + .003/-.000

Groove dia.(D) = Nmax + 2(I) + .003/-.000 = 2.500 + 2.(.250) = 3.000 +.003/-.000

Axial groove length(E) = Given .413 + .013/-.000

N Nominal Rod I.D. Range	Nominal Radial Cross Section	I	E Axial Groove Length Standard	E Axial Groove Length Deep & Type B	P Throat Diameter	D Groove O.D.
1/4" - 2 1/8" ± .000 / .000	1/8	.125	.138 ± .015 / .000	.275 ± .015 / .000	Nmax + .001 ± .002 / .001	Nmax + 2 (I) ± .002 / .000
5/16" - 4 1/4" ± .000 / .002	3/16	.187	.206 ± .015 / .000	.343 / .413 ± .015 / .000	Nmax + .001 ± .002 / .000	Nmax + 2 (I) ± .002 / .000
1/4" -12 3/4" ± .000 / .002	1/4	.250	.275 ± .015 / .000	.413 / .618 ± .015 / .000	Nmax + .001 ± .003 / .000	Nmax + 2 (I) ± .003 / .000
3/4" - 9 5/8" ± .000 / .002	5/16	.312	.343 ± .015 / .000	.550 / .688 ± .015 / .000	Nmax + .002 ± .003 / .000	Nmax + 2 (I) ± .004 / .000
1 1/2" - 14 3/4" ± .000 / .002	3/8	.375	.412 ± .015 / .000	.550 / .688 ± .015 / .000	Nmax + .002 ± .004 / .000	Nmax + 2 (I) ± .005 / .000
2 1/4" - 5" ± .000 / .003	7/16	.437	.481 ± .015 / .000	.688 / .825 ± .015 / .000	Nmax + .002 ± .004 / .000	Nmax + 2 (I) ± .006 / .000
1 3/4" - 24 7/8"" ± .000 / .003	1/2	.500	.550 ± .015 / .000	.825 ± .015 / .000	Nmax + .002 ± .005 / .000	Nmax + 2 (I) ± .007 / .000
2 3/4" - 19 3/4" ± .000 / .003	5/8	.625	.688 ± .015 / .000	1.100 / 1.375 ± .015 / .000	Nmax + .003 ± .006 / .000	Nmax + 2 (I) ± .009 / .000
7 1/4" - 31" ± .000 / .004	3/4	.750	.825 ± .015 / .000	1.238 / 1.375 ± .015 / .000	Nmax + .003 ± .007 / .000	Nmax + 2 (I) ± .011 / .000
15" - 39" ± .000 / .005	1	1.000	1.100 ± .015 / .000	1.650 ± .015 / .000	Nmax + .004 ± .009 / .000	Nmax + 2 (I) ± .015 / .000
F1	F2			F3	F4	F5

Notes:

F_1 – The Nominal Rod Diameter spread shown is taken from Price List PPD3701. Available sizes fall in cross-section range. Rod size range given based on Type B Poly Pak availability.

F_2 – The Radial Cross-Section I is shown as a fraction for Seal Reference and a three place decimal for Gland Reference.

F_3 – There may be two possible Axial Groove Lengths for some cross-sections.

F_4 – The throat diameters are simply figured by taking the maximum Rod Diameter plus the noted clearance.

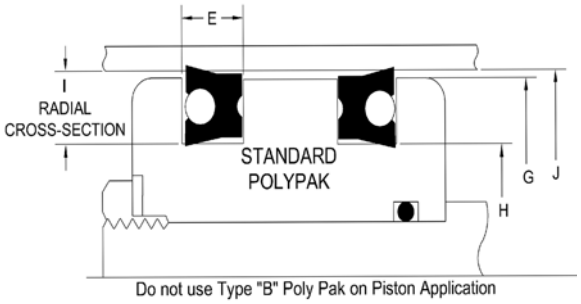
F_5 – The Groove Outside Diameter is calculated by taking the maximum Rod Diameter plus two radial cross-sections I.

Note:

1 – Molythane parts can be stretched up to 5% of its diameter or compressed up to 2% for rod applications. Therefore if odd size rods or bores are encountered, existing sizes can be used without special non-available seals. Careful attention must be taken when using the 5% rule so that the radial cross-section "I" must be maintained no matter what dimension the rod or piston actually measures. Careful attention must be taken to select a size that requires 5% max **stretch** on the diameter in piston applications, and 2% max. **compression** on the diameter in rod applications.

2 – Axial groove lengths for PolyPaks with non-positively actuated modular back-ups are calculated by: (nominal radial c/s desired x 1.100) + "E".

PolyPak PISTON DESIGN TABLE



Do not use Type "B" Poly Pak on Piston Application

Piston Seal Example

Given desired bore diameter of 6" with a normal seal cross-section of 3/8".

Bore dia.(J) = 6.000 + .004/-.000

Piston O.D.(G) = Jmin - .002 + .000/-.002 = 6.000 - .002 = 5.998 + .000/-.002

Groove I.D.(H) = Jmin + 2(I) + .000/-.005 = 6.000 - 2.(.375) = 5.250 +.000/-.005

Axial groove length(E) = Given .550 + .015/-.000

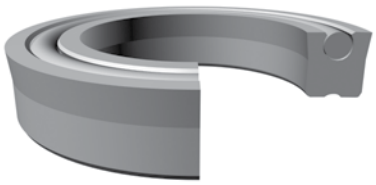
N			E			G	H	
Nominal Bore O.D. Range	Nominal Radial Cross Section	I	Axial Groove Length Standard		Axial Groove Length Deep		Piston O.D. Formula	Groove I.D. Formula
5/16" - 6" ± .002 .000	1/8	.125	.138 ± .015 .000		.275 ± .015 .000		Jmin - .001 ± .000 .001	Jmin - 2 (I) ± .000 .002
9/16" - 6 11/16" ± .002 .000	3/16	.187	.206 ± .015 .000		.343 .413 ± .015 .000		Jmin - .001 ± .000 .002	Jmin - 2 (I) ± .000 .002
3/4" - 14" ± .003 .000	1/4	.250	.275 ± .015 .000		.413 .618 ± .015 .000		Jmin - .001 ± .000 .002	Jmin - 2 (I) ± .000 .003
1" - 15 1/2" ± .003 .000	5/16	.312	.343 ± .015 .000		.550 .688 ± .015 .000		Jmin - .002 ± .000 .002	Jmin - 2 (I) ± .000 .004
1 1/4" - 20 1/4" ± .004 .000	3/8	.375	.412 ± .015 .000		.550 .688 ± .015 .000		Jmin - .002 ± .000 .002	Jmin - 2 (I) ± .000 .005
1 7/8" - 6 3/8" ± .005 .000	7/16	.437	.481 ± .015 .000		.688 .825 ± .015 .000		Jmin - .002 ± .000 .002	Jmin - 2 (I) ± .000 .006
1 5/8" - 52 1/2" ± .005 .000	1/2	.500	.550 ± .015 .000		.688 .825 ± .015 .000		Jmin - .002 ± .000 .003	Jmin - 2 (I) ± .000 .007
3 5/8" - 5 1/2" ± .006 .000	9/16	.562	.618 ± .015 .000		.963 ± .015 .000		Jmin - .002 ± .000 .003	Jmin - 2 (I) ± .000 .008
2 1/2" - 26" ± .006 .000	5/8	.625	.688 ± .015 .000		1.100 1.375 ± .015 .000		Jmin - .003 ± .000 .003	Jmin - 2 (I) ± .000 .009
4 1/2" - 27 1/2" ± .007 .000	3/4	.750	.825 ± .015 .000		1.238 1.375 ± .015 .000		Jmin - .003 ± .000 .004	Jmin - 2 (I) ± .000 .011
6" - 21 3/4" ± .008 .000	7/8	.875	.963 ± .015 .000		1.375 1.513 ± .015 .000		Jmin - .004 ± .000 .001	Jmin - 2 (I) ± .000 .012
4" - 18" ± .009 .000	1	1.000	1.100 ± .015 .000		1.650 ± .015 .000		Jmin - .004 ± .000 .001	Jmin - 2 (I) ± .000 .011
F1	F2				F3		F4	F5

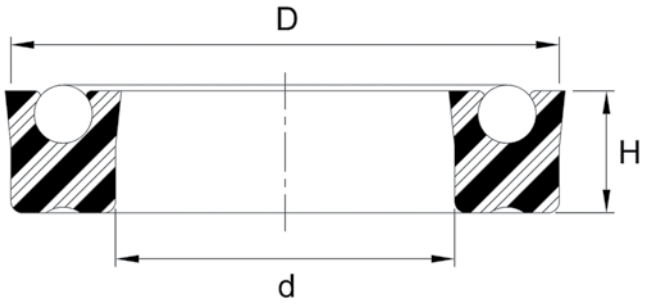
Notes:
F_1 – The Nominal Bore Diameter spread shown is taken from Price List PPD3701. Available sizes fall in these sizes.
F_2 – The Radial Cross-Section I is shown as a fraction for Seal Reference and a three place decimal for Gland Reference.
F_3 – There may be two possible Axial Groove Lengths for some cross-sections.
F_4 – The Piston outside Diameter is simply figured by taking the minimum Bore Diameter minus the noted clearance.
F_5 – The Groove Inside Diameter is calculated by taking the minimum Bore Diameter minus two radial cross-sections I.

Note:
1 – Molythane parts can be stretched up to 5% of its diameter or compressed up to 2% for rod applications. Therefore if odd size rods or bores are encountered, existing sizes can be used without special non-available seals. Careful attention must be taken when using the 5% rule so that the radial cross-section "I" must be maintained no matter what dimension the rod or piston actually measures. Careful attention must be taken to select a size that requires 5% max **stretch** on the diameter in piston applications, and 2% max. **compression** on the diameter in rod applications.
2 – Axial groove lengths for Poly Paks with non-positively actuated modular back-ups are calculated by: (nominal radial c/s desired x 1.100) + "E".

Standard Polypak - Rod/Piston Seals

Molythane/Nitrile





Temperature: -65/200F [-54/93C]

Pressure: 5000 PSI [345 BAR]

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
12500062/4615	0.062	0.312	0.125	5.80
12500093/4615	0.093	0.343	0.125	5.15
12500125/4615	0.125	0.375	0.125	6.15
12500140/4615	0.140	0.390	0.125	4.45
12500187/4615	0.187	0.437	0.125	6.40
12500250/4615	0.250	0.500	0.125	4.65
12500312/4615	0.312	0.562	0.125	4.80
12500359/4615	0.359	0.609	0.125	4.45
12500375/4615	0.375	0.625	0.125	4.45
12500437/4615	0.437	0.687	0.125	5.15
12500500/4615	0.500	0.750	0.125	4.45
12500531/4615	0.531	0.781	0.125	5.85
12500562/4615	0.562	0.812	0.125	4.65
12500625/4615	0.625	0.875	0.125	4.50
12500687/4615	0.687	0.937	0.125	4.55
12500750/4615	0.750	1.000	0.125	4.65
12500812/4615	0.812	1.062	0.125	5.35
12500875/4615	0.875	1.125	0.125	4.95
12500906/4615	0.906	1.156	0.125	6.50
12500937/4615	0.937	1.187	0.125	6.50
12501000/4615	1.000	1.250	0.125	5.05
12501062/4615	1.062	1.312	0.125	6.15
12501125/4615	1.125	1.375	0.125	5.30
12501187/4615	1.187	1.437	0.125	6.30
12501250/4615	1.250	1.500	0.125	5.55
12501312/4615	1.312	1.562	0.125	6.70
12501375/4615	1.375	1.625	0.125	5.65
12501437/4615	1.437	1.687	0.125	7.55
12501500/4615	1.500	1.750	0.125	5.95
12501562/4615	1.562	1.812	0.125	7.95
12501625/4615	1.625	1.875	0.125	8.20
12501625/4615	1.625	1.875	0.125	8.20
12501687/4615	1.687	1.937	0.125	6.30
12501687/4615	1.687	1.937	0.125	6.30

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
12501750/4615	1.750	2.000	0.125	6.35
12501750/4615	1.750	2.000	0.125	6.35
12501875/4615	1.875	2.125	0.125	8.75
12502000/4615	2.000	2.250	0.125	6.60
12502125/4615	2.125	2.375	0.125	6.80
12502250/4615	2.250	2.500	0.125	6.95
12502375/4615	2.375	2.625	0.125	7.10
12502500/4615	2.500	2.750	0.125	7.30
12502625/4615	2.625	2.875	0.125	7.55
12502750/4615	2.750	3.000	0.125	7.75
12502875/4615	2.875	3.125	0.125	7.95
12503000/4615	3.000	3.250	0.125	8.30
12503250/4615	3.250	3.500	0.125	9.05
12503500/4615	3.500	3.750	0.125	9.90
12504000/4615	4.000	4.250	0.125	12.10
12504250/4615	4.250	4.500	0.125	13.25
12504375/4615	4.375	4.625	0.125	13.85
12504500/4615	4.500	4.750	0.125	14.40
12504750/4615	4.750	5.000	0.125	16.00
12505000/4615	5.000	5.250	0.125	16.45
12505750/4615	5.750	6.000	0.125	20.65
5/32" - Cross Section - 0.156"				
15600437/4615	0.437	0.750	0.156	6.05
15600750/4615	0.750	1.062	0.156	6.75
15600937/4615	0.937	1.250	0.156	7.35
15601000/4615	1.000	1.312	0.156	5.80
15601062/4615	1.062	1.375	0.156	6.95
15601187/4615	1.187	1.500	0.156	6.10
15601250/4615	1.250	1.562	0.156	6.95
15601375/4615	1.375	1.687	0.156	6.40
15601500/4615	1.500	1.812	0.156	7.75
15602062/4615	2.062	2.375	0.156	7.50

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
11/64" - Cross Section - 0.171"				
17100562/4615	0.562	0.906	0.172	4.70
3/16" - Cross Section - 0.187"				
18700187/4615	0.187	0.562	0.187	5.65
18700250/4615	0.250	0.625	0.187	4.75
18700312/4615	0.312	0.687	0.187	4.95
18700375/4615	0.375	0.750	0.187	4.55
18700437/4615	0.437	0.812	0.187	5.20
18700500/4615	0.500	0.875	0.187	4.55
18700562/4615	0.562	0.937	0.187	6.15
18700625/4615	0.625	1.000	0.187	5.00
18700656/4615	0.656	1.032	0.187	5.00
18700687/4615	0.687	1.062	0.187	5.95
18700750/4615	0.750	1.125	0.187	5.70
18700812/4615	0.812	1.187	0.187	6.95
18700875/4615	0.875	1.250	0.187	5.70
18700937/4615	0.937	1.312	0.187	7.35
18701000/4615	1.000	1.375	0.187	5.65
18701062/4615	1.062	1.437	0.187	5.80
18701125/4615	1.125	1.500	0.187	5.95
18701187/4615	1.187	1.562	0.187	6.10
18701250/4615	1.250	1.625	0.187	6.15
18701312/4615	1.312	1.687	0.187	6.35
18701375/4615	1.375	1.750	0.187	6.40
18701437/4615	1.437	1.812	0.187	6.45
18701500/4615	1.500	1.875	0.187	6.60
18701562/4615	1.562	1.937	0.187	6.75
18701625/4615	1.625	2.000	0.187	6.85
18701687/4615	1.687	2.062	0.187	6.95
18701750/4615	1.750	2.125	0.187	7.00
18701812/4615	1.812	2.187	0.187	7.10
18701875/4615	1.875	2.250	0.187	7.20
18701937/4615	1.937	2.312	0.187	7.25
18702000/4615	2.000	2.375	0.187	7.30
18702062/4615	2.062	2.437	0.187	7.50
18702125/4615	2.125	2.500	0.187	7.55
18702250/4615	2.250	2.625	0.187	7.60
18702375/4615	2.375	2.750	0.187	7.80
18702500/4615	2.500	2.875	0.187	7.90
18702625/4615	2.625	3.000	0.187	8.30
18702750/4615	2.750	3.125	0.187	8.65
18702875/4615	2.875	3.250	0.187	8.90
18703000/4615	3.000	3.375	0.187	9.20
18703125/4615	3.125	3.500	0.187	9.75

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
18703250/4615	3.250	3.625	0.187	10.20
18703375/4615	3.375	3.750	0.187	10.90
18703500/4615	3.500	3.875	0.187	11.45
18703625/4615	3.625	4.000	0.187	12.00
18703750/4615	3.750	4.125	0.187	12.50
18703875/4615	3.875	4.250	0.187	13.15
18704000/4615	4.000	4.375	0.187	13.65
18704125/4615	4.125	4.500	0.187	14.45
18704250/4615	4.250	4.625	0.187	15.05
18704375/4615	4.375	4.750	0.187	15.40
18704500/4615	4.500	4.875	0.187	15.80
18704750/4615	4.750	5.125	0.187	17.15
18705250/4615	5.250	5.625	0.187	19.50
18705687/4615	5.687	6.062	0.187	21.65
18705875/4615	5.875	6.250	0.187	23.35
18706000/4615	6.000	6.375	0.187	23.50
18706312/4615	6.312	6.687	0.187	25.30
7/32" - Cross Section - 0.218"				
21800312/4615	0.312	0.750	0.219	7.65
21800437/4615	0.437	0.875	0.219	7.75
21800562/4615	0.562	1.000	0.219	6.05
21800750/4615	0.750	1.187	0.219	7.90
21800937/4615	0.937	1.375	0.219	8.10
21801750/4615	1.750	2.187	0.219	8.30
21802062/4615	2.062	2.500	0.219	9.75
21802500/4615	2.500	2.937	0.219	11.05
21802562/4615	2.562	3.000	0.219	11.85
21802812/4615	2.812	3.250	0.219	12.50
21803000/4615	3.000	3.437	0.219	12.95
21803062/4615	3.062	3.500	0.219	13.45
21803437/4615	3.437	3.875	0.219	16.15
1/4" - Cross Section - 0.250"				
25000250/4615	0.250	0.750	0.250	7.00
25000312/4615	0.312	0.812	0.250	6.45
25000375/4615	0.375	0.875	0.250	6.80
25000437/4615	0.437	0.937	0.250	7.80
25000500/4615	0.500	1.000	0.250	6.05
25000562/4615	0.562	1.062	0.250	7.90
25000625/4615	0.625	1.125	0.250	6.05
25000687/4615	0.687	1.187	0.250	6.05

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Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25000750/4615	0.750	1.250	0.250	6.15
25000812/4615	0.812	1.312	0.250	7.90
25000875/4615	0.875	1.375	0.250	6.05
25000937/4615	0.937	1.437	0.250	8.10
25001000/4615	1.000	1.500	0.250	6.20
25001062/4615	1.062	1.562	0.250	6.35
25001093/4615	1.093	1.593	0.250	6.40
25001125/4615	1.125	1.625	0.250	6.45
25001187/4615	1.187	1.687	0.250	6.45
25001250/4615	1.250	1.750	0.250	6.60
25001312/4615	1.312	1.812	0.250	6.75
25001375/4615	1.375	1.875	0.250	7.05
25001437/4615	1.437	1.937	0.250	7.25
25001500/4615	1.500	2.000	0.250	7.55
25001625/4615	1.625	2.125	0.250	7.85
25001750/4615	1.750	2.250	0.250	8.30
25001875/4615	1.875	2.375	0.250	8.70
25002000/4615	2.000	2.500	0.250	9.20
25002125/4615	2.125	2.625	0.250	12.75
25002250/4615	2.250	2.750	0.250	10.10
25002375/4615	2.375	2.875	0.250	10.60
25002500/4615	2.500	3.000	0.250	11.05
25002625/4615	2.625	3.125	0.250	11.85
25002750/4615	2.750	3.250	0.250	12.05
25002875/4615	2.875	3.375	0.250	12.50
25003000/4615	3.000	3.500	0.250	12.95
25003125/4615	3.125	3.625	0.250	13.45
25003250/4615	3.250	3.750	0.250	13.85
25003375/4615	3.375	3.875	0.250	14.35
25003500/4615	3.500	4.000	0.250	14.75
25003625/4615	3.625	4.125	0.250	15.25
25003750/4615	3.750	4.250	0.250	15.75
25003850/4615	3.850	4.350	0.250	16.15
25003875/4615	3.875	4.375	0.250	16.15
25004000/4615	4.000	4.500	0.250	16.70
25004125/4615	4.125	4.625	0.250	17.15
25004250/4615	4.250	4.750	0.250	17.55
25004375/4615	4.375	4.875	0.250	18.05
25004500/4615	4.500	5.000	0.250	18.55
25004625/4615	4.625	5.125	0.250	18.95
25004750/4615	4.750	5.250	0.250	19.50
25004875/4615	4.875	5.375	0.250	19.90
25005000/4615	5.000	5.500	0.250	20.40
25005125/4615	5.125	5.625	0.250	20.85

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25005250/4615	5.250	5.750	0.250	21.30
25005375/4615	5.375	5.875	0.250	21.80
25005500/4615	5.500	6.000	0.250	22.30
25005625/4615	5.625	6.125	0.250	22.70
25005750/4615	5.750	6.250	0.250	23.25
25005875/4615	5.875	6.375	0.250	24.95
25006000/4615	6.000	6.500	0.250	25.45
25006250/4615	6.250	6.750	0.250	25.90
25006500/4615	6.500	7.000	0.250	26.90
25006750/4615	6.750	7.250	0.250	27.85
25007000/4615	7.000	7.500	0.250	28.85
25007125/4615	7.125	7.625	0.250	29.30
25007250/4615	7.250	7.750	0.250	29.75
25007500/4615	7.500	8.000	0.250	30.75
25007750/4615	7.750	8.250	0.250	31.70
25007812/4615	7.812	8.312	0.250	32.30
25008000/4615	8.000	8.500	0.250	32.85
25008250/4615	8.250	8.750	0.250	34.00
25008500/4615	8.500	9.000	0.250	35.15
25008750/4615	8.750	9.250	0.250	36.10
25009000/4615	9.000	9.500	0.250	37.20
25009250/4615	9.250	9.750	0.250	38.30
25009500/4615	9.500	10.000	0.250	39.45
25009750/4615	9.750	10.250	0.250	40.65
25010000/4615	10.000	10.500	0.250	41.95
25010500/4615	10.500	11.000	0.250	44.35
25010750/4615	10.750	11.250	0.250	45.60
25010875/4615	10.875	11.375	0.250	46.10
25011000/4615	11.000	11.500	0.250	46.75
25011250/4615	11.250	11.750	0.250	47.90
25011500/4615	11.500	12.000	0.250	49.00
25011750/4615	11.750	12.250	0.250	50.45
25012000/4615	12.000	12.500	0.250	51.80
25012500/4615	12.500	13.000	0.250	56.40
25013000/4615	13.000	13.500	0.250	62.15
25013500/4615	13.500	14.000	0.250	66.75
25014000/4615	14.000	14.500	0.250	70.15
25014125/4615	14.125	14.625	0.250	70.75
25014250/4615	14.250	14.750	0.250	71.35
25019000/4615	19.000	19.500	0.250	92.20
25023500/4615	23.500	24.000	0.250	234.65
25024500/4615	24.500	25.000	0.250	234.65

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
9/32" - Cross Section - 0.281"				
28100187/4615	0.187	0.750	0.281	7.20
28100687/4615	0.687	1.250	0.281	7.20
28102312/4615	2.312	2.875	0.281	12.10
28102562/4615	2.562	3.125	0.281	13.80
28104437/4615	4.437	5.000	0.281	22.70
28105000/4615	5.000	5.562	0.281	24.90
28105437/4615	5.437	6.000	0.281	26.80
28106437/4615	6.437	7.000	0.281	29.15
28108500/4615	8.500	9.062	0.281	39.00
5/16" - Cross Section - 0.312"				
31200250/4615	0.250	0.875	0.312	6.75
31200375/4615	0.375	1.000	0.312	6.75
31200437/4615	0.437	1.062	0.312	6.75
31200500/4615	0.500	1.125	0.312	6.75
31200625/4615	0.625	1.250	0.312	7.00
31200687/4615	0.687	1.312	0.312	7.05
31200750/4615	0.750	1.375	0.312	7.10
31200812/4615	0.812	1.437	0.312	7.20
31200875/4615	0.875	1.500	0.312	7.25
31201000/4615	1.000	1.625	0.312	7.30
31201062/4615	1.062	1.687	0.312	7.45
31201125/4615	1.125	1.750	0.312	7.45
31201187/4615	1.187	1.812	0.312	7.50
31201250/4615	1.250	1.875	0.312	7.65
31201312/4615	1.312	1.937	0.312	7.90
31201375/4615	1.375	2.000	0.312	8.15
31201500/4615	1.500	2.125	0.312	8.75
31201625/4615	1.625	2.250	0.312	9.35
31201687/4615	1.687	2.312	0.312	9.55
31201750/4615	1.750	2.375	0.312	9.80
31201875/4615	1.875	2.500	0.312	10.55
31201937/4615	1.937	2.562	0.312	10.75
31202000/4615	2.000	2.625	0.312	11.00
31202125/4615	2.125	2.750	0.312	11.60
31202250/4615	2.250	2.875	0.312	12.10
31202312/4615	2.312	2.937	0.312	12.40
31202375/4615	2.375	3.000	0.312	12.65
31202500/4615	2.500	3.125	0.312	13.25
31202562/4615	2.562	3.187	0.312	13.55
31202625/4615	2.625	3.250	0.312	13.80
31202750/4615	2.750	3.375	0.312	14.40

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/16" - Cross Section - 0.312"				
31202875/4615	2.875	3.500	0.312	14.85
31203000/4615	3.000	3.625	0.312	15.50
31203125/4615	3.125	3.750	0.312	16.00
31203250/4615	3.250	3.875	0.312	16.55
31203375/4615	3.375	4.000	0.312	17.25
31203500/4615	3.500	4.125	0.312	17.85
31203625/4615	3.625	4.250	0.312	18.40
31203750/4615	3.750	4.375	0.312	18.95
31203875/4615	3.875	4.500	0.312	19.60
31204000/4615	4.000	4.625	0.312	20.15
31204125/4615	4.125	4.750	0.312	20.90
31204250/4615	4.250	4.875	0.312	21.50
31204375/4615	4.375	5.000	0.312	22.15
31204500/4615	4.500	5.125	0.312	22.70
31204750/4615	4.750	5.375	0.312	25.10
31204875/4615	4.875	5.500	0.312	25.55
31205000/4615	5.000	5.625	0.312	26.25
31205125/4615	5.125	5.750	0.312	26.80
31205250/4615	5.250	5.875	0.312	27.40
31205375/4615	5.375	6.000	0.312	27.95
31205500/4615	5.500	6.125	0.312	28.55
31205875/4615	5.875	6.500	0.312	30.30
31206000/4615	6.000	6.625	0.312	30.85
31206125/4615	6.125	6.750	0.312	30.90
31206250/4615	6.250	6.875	0.312	31.40
31206375/4615	6.375	7.000	0.312	31.95
31206500/4615	6.500	7.125	0.312	32.55
31206625/4615	6.625	7.250	0.312	33.10
31206750/4615	6.750	7.375	0.312	33.65
31207000/4615	7.000	7.625	0.312	35.15
31207250/4615	7.250	7.875	0.312	36.00
31207375/4615	7.375	8.000	0.312	36.50
31207500/4615	7.500	8.125	0.312	37.10
31208000/4615	8.000	8.625	0.312	39.10
31208875/4615	8.875	9.500	0.312	42.85
31209625/4615	9.625	10.250	0.312	46.55
31210125/4615	10.125	10.750	0.312	49.00
31212000/4615	12.000	12.625	0.312	60.90
31212750/4615	12.750	13.375	0.312	69.70
31213375/4615	13.375	14.000	0.312	77.05
31214250/4615	14.250	14.875	0.312	83.80
31214875/4615	14.875	15.500	0.312	88.20
31215875/4615	15.875	16.500	0.312	91.50
31221812/4615	21.812	22.437	0.312	126.60

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Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
11/32" - Cross Section - 0.343"				
34300750/4615	0.750	1.375	0.312	9.70
34301062/4615	1.062	1.687	0.312	10.25
34301312/4615	1.312	1.937	0.312	11.35
34302312/4615	2.312	2.937	0.312	17.50
34302500/4615	2.500	3.125	0.312	18.90
34302687/4615	2.687	3.312	0.312	19.85
34309312/4615	9.312	9.937	0.312	58.95
3/8" - Cross Section - 0.375"				
37500500/4615	0.500	1.250	0.375	9.20
37500625/4615	0.625	1.375	0.375	9.50
37500750/4615	0.750	1.500	0.375	9.70
37500875/4615	0.875	1.625	0.375	9.90
37500937/4615	0.937	1.687	0.375	10.05
37501000/4615	1.000	1.750	0.375	10.10
37501125/4615	1.125	1.875	0.375	10.60
37501250/4615	1.250	2.000	0.375	11.05
37501312/4615	1.312	2.062	0.375	11.35
37501375/4615	1.375	2.125	0.375	11.80
37501437/4615	1.437	2.187	0.375	12.10
37501500/4615	1.500	2.250	0.375	12.45
37501562/4615	1.562	2.312	0.375	12.90
37501625/4615	1.625	2.375	0.375	13.40
37501750/4615	1.750	2.500	0.375	14.35
37501875/4615	1.875	2.625	0.375	14.95
37502000/4615	2.000	2.750	0.375	15.60
37502062/4615	2.062	2.812	0.375	16.10
37502125/4615	2.125	2.875	0.375	16.60
37502250/4615	2.250	3.000	0.375	17.50
37502375/4615	2.375	3.125	0.375	18.25
37502437/4615	2.437	3.187	0.375	18.55
37502500/4615	2.500	3.250	0.375	18.90
37502625/4615	2.625	3.375	0.375	19.85
37502687/4615	2.687	3.437	0.375	20.35
37502750/4615	2.750	3.500	0.375	20.70
37502875/4615	2.875	3.625	0.375	21.75
37502937/4615	2.937	3.687	0.375	22.15
37503000/4615	3.000	3.750	0.375	22.65
37503125/4615	3.125	3.875	0.375	23.30
37503250/4615	3.250	4.000	0.375	24.00
37503375/4615	3.375	4.125	0.375	24.95
37503500/4615	3.500	4.250	0.375	25.80
37503625/4615	3.625	4.375	0.375	26.55
37503750/4615	3.750	4.500	0.375	27.15

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37503843/4615	3.843	4.593	0.375	27.65
37503875/4615	3.875	4.625	0.375	28.05
37504000/4615	4.000	4.750	0.375	29.00
37504062/4615	4.062	4.812	0.375	29.40
37504125/4615	4.125	4.875	0.375	29.75
37504250/4615	4.250	5.000	0.375	30.65
37504375/4615	4.375	5.125	0.375	31.40
37504500/4615	4.500	5.250	0.375	32.25
37504625/4615	4.625	5.375	0.375	32.95
37504750/4615	4.750	5.500	0.375	33.80
37504875/4615	4.875	5.625	0.375	34.60
37505000/4615	5.000	5.750	0.375	35.50
37505125/4615	5.125	5.875	0.375	36.40
37505250/4615	5.250	6.000	0.375	37.25
37505375/4615	5.375	6.125	0.375	43.75
37505500/4615	5.500	6.250	0.375	38.60
37505625/4615	5.625	6.375	0.375	39.70
37505750/4615	5.750	6.500	0.375	40.50
37505875/4615	5.875	6.625	0.375	41.25
37506000/4615	6.000	6.750	0.375	41.90
37506250/4615	6.250	7.000	0.375	42.40
37506500/4615	6.500	7.250	0.375	43.85
37506750/4615	6.750	7.500	0.375	45.20
37507000/4615	7.000	7.750	0.375	46.45
37507250/4615	7.250	8.000	0.375	47.70
37507500/4615	7.500	8.250	0.375	49.15
37507625/4615	7.625	8.375	0.375	49.80
37507750/4615	7.750	8.500	0.375	50.40
37508000/4615	8.000	8.750	0.375	51.80
37508250/4615	8.250	9.000	0.375	53.25
37508500/4615	8.500	9.250	0.375	54.65
37508625/4615	8.625	9.375	0.375	55.35
37508687/4615	8.687	9.437	0.375	55.80
37508750/4615	8.750	9.500	0.375	56.10
37509000/4615	9.000	9.750	0.375	57.60
37509250/4615	9.250	10.000	0.375	58.90
37509500/4615	9.500	10.250	0.375	60.35
37509750/4615	9.750	10.500	0.375	61.80
37509875/4615	9.875	10.625	0.375	62.50
37510000/4615	10.000	10.750	0.375	63.45
37510250/4615	10.250	11.000	0.375	64.70
37510500/4615	10.500	11.250	0.375	66.10
37510750/4615	10.750	11.500	0.375	67.50
37511000/4615	11.000	11.750	0.375	68.95
37511250/4615	11.250	12.000	0.375	70.40
37511500/4615	11.500	12.250	0.375	71.85

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Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37511750/4615	11.750	12.500	0.375	73.20
37512000/4615	12.000	12.750	0.375	74.65
37512250/4615	12.250	13.000	0.375	77.25
37512500/4615	12.500	13.250	0.375	79.95
37512750/4615	12.750	13.500	0.375	82.55
37513000/4615	13.000	13.750	0.375	85.15
37513250/4615	13.250	14.000	0.375	87.75
37513500/4615	13.500	14.250	0.375	102.70
37513750/4615	13.750	14.500	0.375	105.30
37514000/4615	14.000	14.750	0.375	106.95
37514500/4615	14.500	15.250	0.375	111.25
37515000/4615	15.000	15.750	0.375	114.95
37515500/4615	15.500	16.250	0.375	115.25
37515750/4615	15.750	16.500	0.375	117.95
37516250/4615	16.250	17.000	0.375	120.60
37516500/4615	16.500	17.250	0.375	123.30
37517250/4615	17.250	18.000	0.375	129.65
37523000/4615	23.000	23.750	0.375	333.75
37527250/4615	27.250	28.000	0.375	399.40
37531750/4615	31.750	32.500	0.375	695.10
37538500/4615	38.500	39.250	0.375	839.05
13/32" - Cross Section - 0.406"				
40601750/4615	1.750	2.563	0.406	15.25
40607187/4615	7.187	8.000	0.406	48.95
40613187/4615	13.187	14.000	0.406	112.20
7/16" - Cross Section - 0.437"				
43701437/4615	1.437	2.312	0.437	12.90
43701500/4615	1.500	2.375	0.437	13.45
43701750/4615	1.750	2.625	0.437	15.25
43701875/4615	1.875	2.750	0.437	16.15
43702000/4615	2.000	2.875	0.437	17.00
43702125/4615	2.125	3.000	0.437	17.75
43702500/4615	2.500	3.375	0.437	20.30
43702875/4615	2.875	3.750	0.437	22.80
43703000/4615	3.000	3.875	0.437	23.70
43703125/4615	3.125	4.000	0.437	24.60
43703250/4615	3.250	4.125	0.437	25.45
43703625/4615	3.625	4.500	0.437	28.00

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
7/16" - Cross Section - 0.437"				
43704000/4615	4.000	4.875	0.437	30.45
43704500/4615	4.500	5.375	0.437	33.90
43704750/4615	4.750	5.625	0.437	35.45
43705125/4615	5.125	6.000	0.437	39.20
43705500/4615	5.500	6.375	0.437	40.45
1/2" - Cross Section - 0.500"				
50000625/4615	0.625	1.625	0.500	12.45
50000750/4615	0.750	1.750	0.500	12.20
50001000/4615	1.000	2.000	0.500	13.50
50001125/4615	1.125	2.125	0.500	14.60
50001250/4615	1.250	2.250	0.500	15.60
50001312/4615	1.312	2.312	0.500	16.10
50001375/4615	1.375	2.375	0.500	16.60
50001500/4615	1.500	2.500	0.500	17.70
50001750/4615	1.750	2.750	0.500	20.25
50001875/4615	1.875	2.875	0.500	21.65
50002000/4615	2.000	3.000	0.500	22.10
50002250/4615	2.250	3.250	0.500	24.30
50002375/4615	2.375	3.375	0.500	25.40
50002500/4615	2.500	3.500	0.500	26.55
50002750/4615	2.750	3.750	0.500	28.65
50003000/4615	3.000	4.000	0.500	30.85
50003250/4615	3.250	4.250	0.500	32.85
50003500/4615	3.500	4.500	0.500	34.95
50003625/4615	3.625	4.625	0.500	36.10
50003750/4615	3.750	4.750	0.500	37.15
50004000/4615	4.000	5.000	0.500	39.65
50004125/4615	4.125	5.125	0.500	40.75
50004250/4615	4.250	5.250	0.500	41.80
50004312/4615	4.312	5.312	0.500	42.30
50004375/4615	4.375	5.375	0.500	42.85
50004500/4615	4.500	5.500	0.500	43.95
50004750/4615	4.750	5.750	0.500	46.10
50005000/4615	5.000	6.000	0.500	48.30
50005125/4615	5.125	6.125	0.500	49.25
50005250/4615	5.250	6.250	0.500	50.30
50005375/4615	5.375	6.375	0.500	51.35
50005437/4615	5.437	6.437	0.500	51.90
50005500/4615	5.500	6.500	0.500	52.45
50005750/4615	5.750	6.750	0.500	53.75
50006000/4615	6.000	7.000	0.500	55.15
50006250/4615	6.250	7.250	0.500	55.55

STD POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
50006375/4615	6.375	7.375	0.500	56.15
50006500/4615	6.500	7.500	0.500	56.85
50006750/4615	6.750	7.750	0.500	58.10
50007000/4615	7.000	8.000	0.500	59.50
50007250/4615	7.250	8.250	0.500	60.80
50007500/4615	7.500	8.500	0.500	62.40
50007750/4615	7.750	8.750	0.500	64.35
50008000/4615	8.000	9.000	0.500	66.35
50008125/4615	8.125	9.125	0.500	67.30
50008250/4615	8.250	9.250	0.500	68.20
50008500/4615	8.500	9.500	0.500	70.10
50008750/4615	8.750	9.750	0.500	71.90
50009000/4615	9.000	10.000	0.500	73.80
50009500/4615	9.500	10.500	0.500	77.85
50009750/4615	9.750	10.750	0.500	79.90
50010000/4615	10.000	11.000	0.500	81.95
50010500/4615	10.500	11.500	0.500	85.85
50010750/4615	10.750	11.750	0.500	87.85
50010875/4615	10.875	11.875	0.500	88.85
50011000/4615	11.000	12.000	0.500	89.95
50011250/4615	11.250	12.250	0.500	91.80
50011375/4615	11.375	12.375	0.500	92.85
50011500/4615	11.500	12.500	0.500	93.85
50011750/4615	11.750	12.750	0.500	95.90
50012000/4615	12.000	13.000	0.500	97.85
50012750/4615	12.750	13.750	0.500	101.40
50013000/4615	13.000	14.000	0.500	105.85
50013250/4615	13.250	14.250	0.500	132.70
50014000/4615	14.000	15.000	0.500	140.55
50014500/4615	14.500	15.500	0.500	147.20
50015000/4615	15.000	16.000	0.500	154.45
50015750/4615	15.750	16.750	0.500	154.80
50017000/4615	17.000	18.000	0.500	166.75
50017500/4615	17.500	18.500	0.500	171.35
50019000/4615	19.000	20.000	0.500	184.50
50019500/4615	19.500	20.500	0.500	189.05
50020000/4615	20.000	21.000	0.500	194.20
50021000/4615	21.000	22.000	0.500	202.85
50023000/4615	23.000	24.000	0.500	430.00
50026000/4615	26.000	27.000	0.500	498.45
50026500/4615	26.500	27.500	0.500	507.60
50028000/4615	28.000	29.000	0.500	533.05
50031000/4615	31.000	32.000	0.500	588.35
50032000/4615	32.000	33.000	0.500	897.15

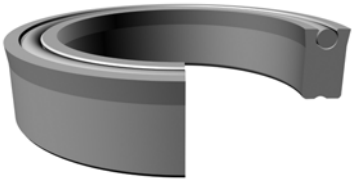
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
9/16" - Cross Section - 0.562"				
56202500/4615	2.500	3.625	0.562	26.10
56202625/4615	2.625	3.750	0.562	34.00
56204125/4615	4.125	5.250	0.562	40.15
56205500/4615	5.500	6.625	0.562	51.90
56206750/4615	6.750	7.875	0.562	61.25
5/8" - Cross Section - 0.625"				
62501250/4615	1.250	2.500	0.625	19.55
62501750/4615	1.750	3.000	0.625	24.55
62501812/4615	1.812	3.062	0.625	25.15
62502000/4615	2.000	3.250	0.625	27.05
62502250/4615	2.250	3.500	0.625	29.50
62502375/4615	2.375	3.625	0.625	30.75
62502500/4615	2.500	3.750	0.625	31.95
62502750/4615	2.750	4.000	0.625	34.55
62502812/4615	2.812	4.062	0.625	34.95
62503000/4615	3.000	4.250	0.625	36.65
62503250/4615	3.250	4.500	0.625	38.85
62503375/4615	3.375	4.625	0.625	40.15
62503500/4615	3.500	4.750	0.625	41.40
62503750/4615	3.750	5.000	0.625	43.85
62503875/4615	3.875	5.125	0.625	45.00
62504000/4615	4.000	5.250	0.625	46.15
62504250/4615	4.250	5.500	0.625	48.30
62504500/4615	4.500	5.750	0.625	51.05
62504625/4615	4.625	5.875	0.625	52.45
62504750/4615	4.750	6.000	0.625	53.90
62505000/4615	5.000	6.250	0.625	59.50
62505500/4615	5.500	6.750	0.625	62.40
62505750/4615	5.750	7.000	0.625	64.70
62506000/4615	6.000	7.250	0.625	65.30
62506250/4615	6.250	7.500	0.625	68.50
62506500/4615	6.500	7.750	0.625	73.55
62506625/4615	6.625	7.875	0.625	74.70
62506750/4615	6.750	8.000	0.625	75.90
62506875/4615	6.875	8.125	0.625	76.50
62507000/4615	7.000	8.250	0.625	78.30
62507750/4615	7.750	9.000	0.625	106.85
62508000/4615	8.000	9.250	0.625	88.85
62508187/4615	8.187	9.437	0.625	90.25
62508250/4615	8.250	9.500	0.625	91.65
62508500/4615	8.500	9.750	0.625	94.30

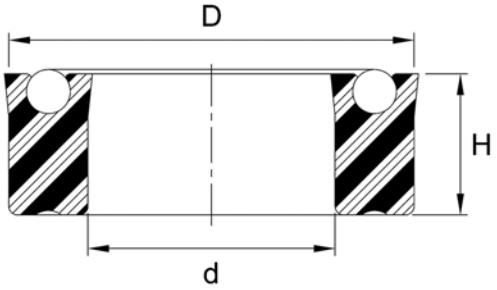
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/8" - Cross Section - 0.625"				
62508625/4615	8.625	9.875	0.625	34.40
62508750/4615	8.750	10.000	0.625	96.85
62509000/4615	9.000	10.250	0.625	99.35
62509250/4615	9.250	10.500	0.625	101.95
62509750/4615	9.750	11.000	0.625	107.05
62510000/4615	10.000	11.250	0.625	109.65
62510250/4615	10.250	11.500	0.625	112.20
62510500/4615	10.500	11.750	0.625	114.70
62511000/4615	11.000	12.250	0.625	119.85
62512000/4615	12.000	13.250	0.625	130.70
62512250/4615	12.250	13.500	0.625	133.65
62512750/4615	12.750	14.000	0.625	154.60
62513000/4615	13.000	14.250	0.625	162.60
62514750/4615	14.750	16.000	0.625	189.30
62515000/4615	15.000	16.250	0.625	193.80
62516750/4615	16.750	18.000	0.625	214.80
62518750/4615	18.750	20.000	0.625	237.15
62519250/4615	19.250	20.500	0.625	300.35
62520000/4615	20.000	21.250	0.625	246.40
62524750/4615	24.750	26.000	0.625	609.60
3/4" - Cross Section - 0.750"				
75003000/4615	3.000	4.500	0.750	46.55
75003125/4615	3.125	4.625	0.750	48.10
75003500/4615	3.500	5.000	0.750	52.60
75003750/4615	3.750	5.250	0.750	55.30
75004000/4615	4.000	5.500	0.750	58.05
75004250/4615	4.250	5.750	0.750	61.25
75004500/4615	4.500	6.000	0.750	64.60
75005000/4615	5.000	6.500	0.750	70.15
75005500/4615	5.500	7.000	0.750	76.00
75006000/4615	6.000	7.500	0.750	79.80
75006500/4615	6.500	8.000	0.750	84.20
75007000/4615	7.000	8.500	0.750	90.00
75007500/4615	7.500	9.000	0.750	95.95
75008000/4615	8.000	9.500	0.750	101.75
75008250/4615	8.250	9.750	0.750	104.70
75008375/4615	8.375	9.875	0.750	106.10
75008500/4615	8.500	10.000	0.750	107.45
75009000/4615	9.000	10.500	0.750	113.10
75009500/4615	9.500	11.000	0.750	119.00
75010000/4615	10.000	11.500	0.750	124.80

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/4" - Cross Section - 0.750"				
75010500/4615	10.500	12.000	0.750	130.55
75010750/4615	10.750	12.250	0.750	133.30
75011000/4615	11.000	12.500	0.750	136.15
75012000/4615	12.000	13.500	0.750	148.35
75012500/4615	12.500	14.000	0.750	179.60
75013000/4615	13.000	14.500	0.750	200.10
75013500/4615	13.500	15.000	0.750	206.60
75013750/4615	13.750	15.250	0.750	211.50
75014000/4615	14.000	15.500	0.750	216.45
75014250/4615	14.250	15.750	0.750	221.80
75014500/4615	14.500	16.000	0.750	227.15
75016000/4615	16.000	17.500	0.750	251.70
75018000/4615	18.000	19.500	0.750	278.55
75019000/4615	19.000	20.500	0.750	291.35
75020500/4615	20.500	22.000	0.750	312.05
75022000/4615	22.000	23.500	0.750	664.45
75022500/4615	22.500	24.000	0.750	677.85
75026000/4615	26.000	27.500	0.750	772.30
7/8" - Cross Section - 0.875"				
87508500/4615	8.500	10.250	0.875	142.50
87520000/4615	20.000	21.750	0.875	353.80
1" - Cross Section - 1.000"				
100004000/4615	4.000	6.000	1.000	85.80
100007000/4615	7.000	9.000	1.000	127.55
100007500/4615	7.500	9.500	1.000	135.30
100008000/4615	8.000	10.000	1.000	142.90
100010000/4615	10.000	12.000	1.000	173.55
100012000/4615	12.000	14.000	1.000	239.00
100012500/4615	12.500	14.500	1.000	266.20
100014000/4615	14.000	16.000	1.000	302.10
100016000/4615	16.000	18.000	1.000	399.30
100018500/4615	18.500	20.500	1.000	424.95
100028000/4615	28.000	30.000	1.000	1224.55
1 1/8" - Cross Section - 1.125"				
112512000/4615	12.000	14.250	1.125	275.00

Deep Polypak - Rod/Piston Seals

Molythane/Nitrile





Temperature: -65/200F [-54/93C]

Pressure: 5000 PSI [345 BAR]

1/8" - Cross Section - 0.125"

Ref.Number	Nominal Seal Dimensions d	D	H	$
12500250-250/4615	0.250	0.500	0.250	5.65
12500312-250/4615	0.312	0.562	0.250	6.05
12500437-250/4615	0.437	0.687	0.250	6.30
12500500-250/4615	0.500	0.750	0.250	5.20
12500625-187/4615	0.625	0.875	0.187	6.15
12500625-250/4615	0.625	0.875	0.250	5.55
12500687-250/4615	0.687	0.937	0.250	6.75
12500750-250/4615	0.750	1.000	0.250	6.20
12500875-187/4615	0.875	1.125	0.187	6.95
12500875-250/4615	0.875	1.125	0.250	6.20
12501000-172/4615	1.000	1.250	0.172	5.95
12501000-250/4615	1.000	1.250	0.250	6.05
12501125-250/4615	1.125	1.375	0.250	7.10
12501187-187/4615	1.187	1.437	0.187	7.80
12501250-250/4615	1.250	1.500	0.250	6.45
12501375-250/4615	1.375	1.625	0.250	7.30
12501437-250/4615	1.437	1.687	0.250	7.85
12501500-250/4615	1.500	1.750	0.250	7.05
12501500-312/4615	1.500	1.750	0.312	8.70
12501625-250/4615	1.625	1.875	0.250	7.25
12501750-250/4615	1.750	2.000	0.250	9.10
12502000-250/4615	2.000	2.250	0.250	8.15
12502375-250/4615	2.375	2.625	0.250	9.20
12502500-250/4615	2.500	2.750	0.250	9.50
12503000-250/4615	3.000	3.250	0.250	10.90
12503500-250/4615	3.500	3.750	0.250	13.00

3/16" - Cross Section - 0.187"

Ref.Number	Nominal Seal Dimensions d	D	H	$
18700250-312/4615	0.250	0.625	0.312	5.40
18700375-312/4615	0.375	0.750	0.312	6.35
18700437-312/4615	0.437	0.812	0.312	6.40
18700625-312/4615	0.625	1.000	0.312	6.85

3/16" - Cross Section - 0.187"

Ref.Number	Nominal Seal Dimensions d	D	H	$
18700750-250/4615	0.750	1.125	0.250	7.20
18700750-312/4615	0.750	1.125	0.312	7.25
18700812-312/4615	0.812	1.187	0.312	7.35
18700875-312/4615	0.875	1.250	0.312	6.05
18700875-375/4615	0.875	1.250	0.375	7.60
18701000-250/4615	1.000	1.375	0.250	7.90
18701000-312/4615	1.000	1.375	0.312	7.35
18701062-312/4615	1.062	1.437	0.312	8.05
18701125-312/4615	1.125	1.500	0.312	6.60
18701250-312/4615	1.250	1.625	0.312	7.50
18701375-312/4615	1.375	1.750	0.312	7.25
18701437-312/4615	1.437	1.812	0.312	7.25
18701500-281/4615	1.500	1.875	0.281	9.20
18701500-375/4615	1.500	1.875	0.375	7.50
18701562-250/4615	1.562	1.937	0.250	9.90
18701625-250/4615	1.625	2.000	0.250	7.75
18701625-312/4615	1.625	2.000	0.312	7.75
18701625-375/4615	1.625	2.000	0.375	7.30
18701687-375/4615	1.687	2.062	0.375	9.80
18701750-250/4615	1.750	2.125	0.250	10.35
18701750-375/4615	1.750	2.125	0.375	8.40
18701875-375/4615	1.875	2.250	0.375	11.00
18701937-375/4615	1.937	2.312	0.375	8.90
18702000-375/4615	2.000	2.375	0.375	9.20
18702125-250/4615	2.125	2.500	0.250	9.90
18702125-375/4615	2.125	2.500	0.375	9.90
18702187-375/4615	2.187	2.562	0.375	10.10
18702250-375/4615	2.250	2.625	0.375	10.20
18702375-375/4615	2.375	2.750	0.375	10.65
18702500-375/4615	2.500	2.875	0.375	11.05
18702625-375/4615	2.625	3.000	0.375	11.50
18702750-375/4615	2.750	3.125	0.375	12.00
18703000-375/4615	3.000	3.375	0.375	12.75
18703125-375/4615	3.125	3.500	0.375	13.55

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
18703250-375/4615	3.250	3.625	0.375	14.30
18703375-375/4615	3.375	3.750	0.375	15.05
18703500-375/4615	3.500	3.875	0.375	15.80
18703625-375/4615	3.625	4.000	0.375	16.70
18703750-375/4615	3.750	4.125	0.375	17.55
18704000-375/4615	4.000	4.375	0.375	19.40
18704125-375/4615	4.125	4.500	0.375	21.20
18704250-375/4615	4.250	4.625	0.375	21.15
18704375-375/4615	4.375	4.750	0.375	22.10
18704500-375/4615	4.500	4.875	0.375	23.10
18704625-375/4615	4.625	5.000	0.375	23.85
18704875-562/4615	4.875	5.250	0.562	25.70
18705000-375/4615	5.000	5.375	0.375	26.55
18706000-375/4615	6.000	6.375	0.375	35.40
18707500-250/4615	7.500	7.875	0.250	44.50
7/32" - Cross Section - 0.218"				
21802000-375/4615	2.000	2.437	0.375	14.85
1/4" - Cross Section - 0.250"				
25000437-375/4615	0.437	0.937	0.375	7.90
25000500-375/4615	0.500	1.000	0.375	8.05
25000625-375/4615	0.625	1.125	0.375	8.05
25000750-375/4615	0.750	1.250	0.375	8.15
25000875-375/4615	0.875	1.375	0.375	8.40
25001000-375/4615	1.000	1.500	0.375	7.00
25001125-375/4615	1.125	1.625	0.375	8.20
25001250-375/4615	1.250	1.750	0.375	7.10
25001375-375/4615	1.375	1.875	0.375	8.95
25001500-375/4615	1.500	2.000	0.375	8.30
25001750-375/4615	1.750	2.250	0.375	9.35
25002000-375/4615	2.000	2.500	0.375	10.05
25002125-375/4615	2.125	2.625	0.375	10.65
25002250-375/4615	2.250	2.750	0.375	11.25
25002500-375/4615	2.500	3.000	0.375	12.35
25002625-375/4615	2.625	3.125	0.375	12.95
25002750-375/4615	2.750	3.250	0.375	13.55
25003000-375/4615	3.000	3.500	0.375	14.65
25003125-375/4615	3.125	3.625	0.375	15.05
25003250-375/4615	3.250	3.750	0.375	15.60
25003375-375/4615	3.375	3.875	0.375	16.15
25003500-375/4615	3.500	4.000	0.375	16.85

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25003625-375/4615	3.625	4.125	0.375	17.25
25003750-375/4615	3.750	4.250	0.375	17.80
25003875-375/4615	3.875	4.375	0.375	20.95
25004000-375/4615	4.000	4.500	0.375	18.85
25004000-562/4615	4.000	4.500	0.562	18.85
25004250-562/4615	4.250	4.750	0.562	20.90
25004375-562/4615	4.375	4.875	0.562	21.70
25004500-375/4615	4.500	5.000	0.375	22.45
25004500-562/4615	4.500	5.000	0.562	22.45
25004750-562/4615	4.750	5.250	0.562	24.00
25004875-562/4615	4.875	5.375	0.562	24.90
25005000-375/4615	5.000	5.500	0.375	25.75
25005000-562/4615	5.000	5.500	0.562	25.75
25005250-375/4615	5.250	5.750	0.375	28.05
25005250-562/4615	5.250	5.750	0.562	28.05
25005375-375/4615	5.375	5.875	0.375	29.15
25005500-375/4615	5.500	6.000	0.375	30.20
25005500-562/4615	5.500	6.000	0.562	30.20
25005750-562/4615	5.750	6.250	0.562	31.70
25005875-562/4615	5.875	6.375	0.562	34.20
25006000-562/4615	6.000	6.500	0.562	34.95
25006250-562/4615	6.250	6.750	0.562	36.00
25006500-375/4615	6.500	7.000	0.375	37.50
25006500-562/4615	6.500	7.000	0.562	37.50
25006625-375/4615	6.625	7.125	0.375	38.30
25006750-562/4615	6.750	7.250	0.562	39.10
25007000-375/4615	7.000	7.500	0.375	40.65
25007000-562/4615	7.000	7.500	0.562	40.65
25007500-562/4615	7.500	8.000	0.562	43.95
25007750-375/4615	7.750	8.250	0.375	45.35
25007750-562/4615	7.750	8.250	0.562	45.35
25008500-562/4615	8.500	9.000	0.562	50.15
25008750-562/4615	8.750	9.250	0.562	66.50
25009000-375/4615	9.000	9.500	0.375	53.10
25009250-562/4615	9.250	9.750	0.562	54.85
25009500-375/4615	9.500	10.000	0.375	72.10
25009500-562/4615	9.500	10.000	0.562	56.65
25010500-500/4615	10.500	11.000	0.500	63.45
25013000-562/4615	13.000	13.500	0.562	88.80
25014000-375/4615	14.000	14.500	0.375	100.40
25014500-375/4615	14.500	15.000	0.375	103.65
25015750-562/4615	15.750	16.250	0.562	113.85
25016000-250/4615	16.000	16.500	0.250	78.00
25016000-375/4615	16.000	16.500	0.375	113.95
25019500-312/4615	19.500	20.000	0.312	141.80
25021000-312/4615	21.000	21.500	0.312	152.55

DEEP POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25022500-312/4615	22.500	23.000	0.312	176.15
9/32" - Cross Section - 0.281"				
28103687-375/4615	3.687	4.250	0.375	20.15
28103875-500/4615	3.875	4.438	0.500	21.55
5/16" - Cross Section - 0.312"				
31200750-500/4615	0.750	1.375	0.500	9.55
31201000-500/4615	1.000	1.625	0.500	7.90
31201125-500/4615	1.125	1.750	0.500	8.10
31201187-500/4615	1.187	1.812	0.500	8.20
31201250-500/4615	1.250	1.875	0.500	8.45
31201375-500/4615	1.375	2.000	0.500	8.75
31201500-500/4615	1.500	2.125	0.500	9.80
31201750-500/4615	1.750	2.375	0.500	10.90
31201875-500/4615	1.875	2.500	0.500	11.50
31202000-500/4615	2.000	2.625	0.500	12.10
31202125-500/4615	2.125	2.750	0.500	12.70
31202375-500/4615	2.375	3.000	0.500	13.85
31202500-500/4615	2.500	3.125	0.500	14.40
31202625-500/4615	2.625	3.250	0.500	14.95
31203000-500/4615	3.000	3.625	0.500	16.90
31203000-562/4615	3.000	3.625	0.562	16.90
31203250-500/4615	3.250	3.875	0.500	18.25
31203375-500/4615	3.375	4.000	0.500	18.85
31203500-500/4615	3.500	4.125	0.500	19.55
31203875-500/4615	3.875	4.500	0.500	21.55
31204000-500/4615	4.000	4.625	0.500	22.20
31204000-562/4615	4.000	4.625	0.562	22.20
31204125-562/4615	4.125	4.750	0.562	22.70
31204250-562/4615	4.250	4.875	0.562	23.65
31204375-500/4615	4.375	5.000	0.500	24.25
31204375-562/4615	4.375	5.000	0.562	24.25
31204625-625/4615	4.625	5.250	0.625	25.90
31205000-625/4615	5.000	5.625	0.625	27.55
31205125-625/4615	5.125	5.750	0.625	29.95
31205250-625/4615	5.250	5.875	0.625	30.85
31205375-625/4615	5.375	6.000	0.625	31.95
31205500-625/4615	5.500	6.125	0.625	32.90
31206375-625/4615	6.375	7.000	0.625	41.80
31206500-625/4615	6.500	7.125	0.625	42.90
31207500-625/4615	7.500	8.125	0.625	49.30

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/16" - Cross Section - 0.312"				
31207625-500/4615	7.625	8.250	0.500	50.20
31208375-625/4615	8.375	9.000	0.625	55.05
31209000-500/4615	9.000	9.625	0.500	59.00
31210500-500/4615	10.500	11.125	0.500	71.90
31215375-625/4615	15.375	16.000	0.625	129.55
3/8" - Cross Section - 0.375"				
37500750-625/4615	0.750	1.500	0.625	9.55
37501000-625/4615	1.000	1.750	0.625	10.15
37501250-625/4615	1.250	2.000	0.625	11.70
37501312-437/4615	1.312	2.062	0.437	11.70
37501875-625/4615	1.875	2.625	0.625	15.40
37502000-500/4615	2.000	2.750	0.500	16.40
37502000-625/4615	2.000	2.750	0.625	16.40
37502125-625/4615	2.125	2.875	0.625	17.25
37502250-625/4615	2.250	3.000	0.625	18.15
37502500-625/4615	2.500	3.250	0.625	19.90
37502750-625/4615	2.750	3.500	0.625	21.75
37503000-625/4615	3.000	3.750	0.625	23.70
37503250-625/4615	3.250	4.000	0.625	25.20
37503500-625/4615	3.500	4.250	0.625	26.95
37503750-625/4615	3.750	4.500	0.625	28.65
37504000-625/4615	4.000	4.750	0.625	30.45
37504250-500/4615	4.250	5.000	0.500	31.80
37504250-625/4615	4.250	5.000	0.625	31.80
37504375-625/4615	4.375	5.125	0.625	32.65
37504500-625/4615	4.500	5.250	0.625	33.45
37504625-625/4615	4.625	5.375	0.625	34.10
37504750-500/4615	4.750	5.500	0.500	34.95
37504750-625/4615	4.750	5.500	0.625	34.95
37505000-625/4615	5.000	5.750	0.625	36.65
37505250-500/4615	5.250	6.000	0.500	38.20
37505250-625/4615	5.250	6.000	0.625	38.20
37505500-625/4615	5.500	6.250	0.625	39.65
37505625-625/4615	5.625	6.375	0.625	42.55
37505750-500/4615	5.750	6.500	0.500	41.10
37505750-625/4615	5.750	6.500	0.625	41.10
37506000-625/4615	6.000	6.750	0.625	45.10
37506250-500/4615	6.250	7.000	0.500	45.80
37506250-625/4615	6.250	7.000	0.625	45.80
37506500-500/4615	6.500	7.250	0.500	47.35
37506500-625/4615	6.500	7.250	0.625	47.35
37506750-562/4615	6.750	7.500	0.562	49.10
37507000-625/4615	7.000	7.750	0.625	50.65

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37507250-625/4615	7.250	8.000	0.625	52.95
37507500-500/4615	7.500	8.250	0.500	53.85
37507500-625/4615	7.500	8.250	0.625	53.85
37507750-500/4615	7.750	8.500	0.500	55.35
37507750-625/4615	7.750	8.500	0.625	55.35
37508000-500/4615	8.000	8.750	0.500	56.95
37508000-625/4615	8.000	8.750	0.625	56.95
37508250-625/4615	8.250	9.000	0.625	58.50
37508750-625/4615	8.750	9.500	0.625	70.10
37508750-750/4615	8.750	9.500	0.750	70.10
37509000-625/4615	9.000	9.750	0.625	71.85
37509250-500/4615	9.250	10.000	0.500	73.65
37509250-625/4615	9.250	10.000	0.625	73.65
37509625-625/4615	9.625	10.375	0.625	81.55
37509750-500/4615	9.750	10.500	0.500	86.55
37509750-625/4615	9.750	10.500	0.625	86.55
37510250-625/4615	10.250	11.000	0.625	97.05
37510500-625/4615	10.500	11.250	0.625	99.05
37510750-625/4615	10.750	11.500	0.625	101.25
37511250-625/4615	11.250	12.000	0.625	105.60
37511500-625/4615	11.500	12.250	0.625	107.70
37512250-625/4615	12.250	13.000	0.625	115.95
37512500-625/4615	12.500	13.250	0.625	119.85
37513500-625/4615	13.500	14.250	0.625	153.95
37514750-625/4615	14.750	15.500	0.625	166.80
37515250-625/4615	15.250	16.000	0.625	170.75
37523250-625/4615	23.250	24.000	0.625	570.80
37524000-625/4615	24.000	24.750	0.625	588.80
37525500-625/4615	25.500	26.250	0.625	624.05
37528750-625/4615	28.750	29.500	0.625	701.20
37529000-625/4615	29.000	29.750	0.625	707.55
37531500-625/4615	31.500	32.250	0.625	766.35
37534000-625/4615	34.000	34.750	0.625	1239.10
37536000-625/4615	36.000	36.750	0.625	1309.55
7/16" - Cross Section - 0.437"				
43701000-562/4615	1.000	1.875	0.562	10.65
43702250-375/4615	2.250	3.125	0.375	19.50
43703000-687/4615	3.000	3.875	0.687	24.65
43704000-625/4615	4.000	4.875	0.625	31.75
43704750-625/4615	4.750	5.625	0.625	37.10
43705125-500/4615	5.125	6.000	0.500	39.65
43706750-750/4615	6.750	7.625	0.750	49.25

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
50001000-750/4615	1.000	2.000	0.750	14.05
50001750-750/4615	1.750	2.750	0.750	21.00
50002500-750/4615	2.500	3.500	0.750	27.80
50003000-750/4615	3.000	4.000	0.750	34.05
50003375-625/4615	3.375	4.375	0.625	35.95
50003500-750/4615	3.500	4.500	0.750	37.35
50003750-687/4615	3.750	4.750	0.687	39.35
50004000-750/4615	4.000	5.000	0.750	41.35
50004375-750/4615	4.375	5.375	0.750	44.95
50004500-750/4615	4.500	5.500	0.750	46.10
50004750-687/4615	4.750	5.750	0.687	48.25
50004875-562/4615	4.875	5.875	0.562	49.35
50005000-750/4615	5.000	6.000	0.750	50.45
50005125-750/4615	5.125	6.125	0.750	51.00
50005500-750/4615	5.500	6.500	0.750	52.95
50006000-750/4615	6.000	7.000	0.750	58.45
50006500-750/4615	6.500	7.500	0.750	60.05
50007000-750/4615	7.000	8.000	0.750	64.15
50007500-750/4615	7.500	8.500	0.750	68.45
50008000-750/4615	8.000	9.000	0.750	72.95
50008250-750/4615	8.250	9.250	0.750	74.95
50008500-750/4615	8.500	9.500	0.750	77.05
50008875-750/4615	8.875	9.875	0.750	80.10
50009000-750/4615	9.000	10.000	0.750	81.15
50009500-750/4615	9.500	10.500	0.750	86.40
50010000-750/4615	10.000	11.000	0.750	90.05
50010500-750/4615	10.500	11.500	0.750	120.25
50010625-750/4615	10.625	11.625	0.750	126.00
50010750-750/4615	10.750	11.750	0.750	131.80
50011000-750/4615	11.000	12.000	0.750	134.80
50011500-750/4615	11.500	12.500	0.750	140.70
50012500-750/4615	12.500	13.500	0.750	152.75
50013000-750/4615	13.000	14.000	0.750	193.00
50013250-750/4615	13.250	14.250	0.750	199.35
50013500-750/4615	13.500	14.500	0.750	204.05
50014000-750/4615	14.000	15.000	0.750	210.80
50015000-750/4615	15.000	16.000	0.750	231.60
50015500-750/4615	15.500	16.500	0.750	238.10
50016000-750/4615	16.000	17.000	0.750	240.70
50016500-750/4615	16.500	17.500	0.750	264.60
50017000-750/4615	17.000	18.000	0.750	249.30
50018000-750/4615	18.000	19.000	0.750	263.10
50018500-750/4615	18.500	19.500	0.750	269.90
50019000-750/4615	19.000	20.000	0.750	275.30
50020000-750/4615	20.000	21.000	0.750	287.30

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1/2" - Cross Section - 0.500"

Ref.Number	Nominal Seal Dimensions d	D	H	$
50020500-750/4615	20.500	21.500	0.750	297.25
50021000-750/4615	21.000	22.000	0.750	304.25
50021500-750/4615	21.500	22.500	0.750	311.00
50025250-750/4615	25.250	26.250	0.750	724.85
50027000-750/4615	27.000	28.000	0.750	772.25
50027500-750/4615	27.500	28.500	0.750	788.80
50028500-750/4615	28.500	29.500	0.750	813.20
50029000-750/4615	29.000	30.000	0.750	826.95
50030000-625/4615	30.000	31.000	0.625	858.05
50033000-750/4615	33.000	34.000	0.750	1410.10
50037000-750/4615	37.000	38.000	0.750	1570.35

9/16" - Cross Section - 0.562"

Ref.Number	Nominal Seal Dimensions d	D	H	$
56201875-875/4615	1.875	3.000	0.875	22.15
56202875-875/4615	2.875	4.000	0.875	35.90

5/8" - Cross Section - 0.625"

Ref.Number	Nominal Seal Dimensions d	D	H	$
62501875-1000/4615	1.875	3.125	1.000	26.90
62502750-1000/4615	2.750	4.000	1.000	47.85
62502875-1000/4615	2.875	4.125	1.000	37.10
62504750-1000/4615	4.750	6.000	1.000	67.60
62505500-1000/4615	5.500	6.750	1.000	67.60
62506500-1000/4615	6.500	7.750	1.000	80.90
62506750-1000/4615	6.750	8.000	1.000	83.50
62508750-1000/4615	8.750	10.000	1.000	106.50
62510000-1000/4615	10.000	11.250	1.000	164.45
62511000-1000/4615	11.000	12.250	1.000	179.60
62512000-1000/4615	12.000	13.250	1.000	196.05
62512500-1000/4615	12.500	13.750	1.000	219.95
62512750-1000/4615	12.750	14.000	1.000	231.95
62517500-1000/4615	17.500	18.750	1.000	358.00
62518000-1250/4615	18.000	19.250	1.250	457.30

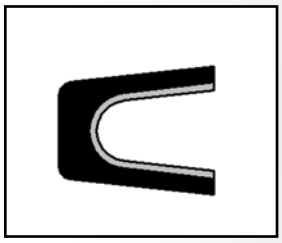


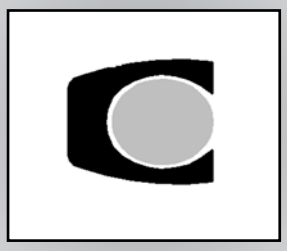
DEEP POLYPAK SERIES - AU/NBR

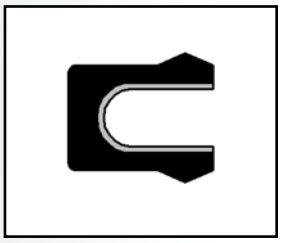
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/4" - Cross Section - 0.750"				
75004750-1250/4615	4.750	6.250	1.250	70.35
75005500-1250/4615	5.500	7.000	1.250	79.40
75006250-1250/4615	6.250	7.750	1.250	89.35
75006500-1250/4615	6.500	8.000	1.250	92.60
75007000-1250/4615	7.000	8.500	1.250	99.05
75007500-1250/4615	7.500	9.000	1.250	105.45
75008500-1250/4615	8.500	10.000	1.250	118.25
75009000-1250/4615	9.000	10.500	1.250	378.95
75010500-1250/4615	10.500	12.000	1.250	195.80
75011000-1250/4615	11.000	12.500	1.250	204.20
75015000-1250/4615	15.000	16.500	1.250	356.70
75016500-1250/4615	16.500	18.000	1.250	429.65
75016500-750/4615	16.500	18.000	0.750	257.75
75018000-1250/4615	18.000	19.500	1.250	463.30
75020000-1250/4615	20.000	21.500	1.250	509.15
75021000-1250/4615	21.000	22.500	1.250	531.40
75021500-1250/4615	21.500	23.000	1.250	1082.95
75022000-1250/4615	22.000	23.500	1.250	1107.30
75022500-1250/4615	22.500	24.000	1.250	1128.45
75024000-1250/4615	24.000	25.500	1.250	1196.80

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
7/8" - Cross Section - 0.875"				
87514000-1500/4615	14.000	15.750	1.500	388.15
87516000-1250/4615	16.000	17.750	1.250	409.25
87516000-1375/4615	16.000	17.750	1.375	449.95
87518000-1250/4615	18.000	19.750	1.250	453.65
87524000-1250/4615	24.000	25.750	1.250	1196.80
15/16" - Cross Section - 0.937"				
93709625-1500/4615	9.625	11.500	1.500	249.00
1" - Cross Section - 1.000"				
100005000-1500/4615	5.000	7.000	1.500	111.15
100016000-1250/4615	16.000	18.000	1.250	499.10
100017000-1250/4615	17.000	19.000	1.250	520.00
100020000-1500/4615	20.000	22.000	1.500	704.35
100022000-1375/4615	22.000	24.000	1.375	1389.40
100025000-1343/4615	25.000	27.000	1.343	1620.85
100026000-1500/4615	26.000	28.000	1.500	1734.45

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



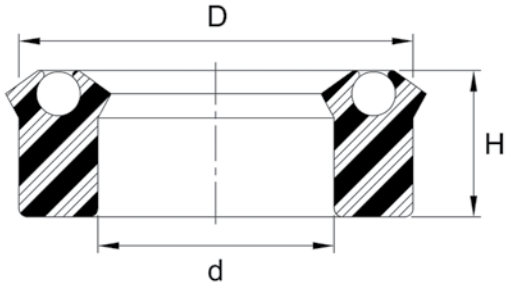




Type B Polypak - Rod/Piston Seals

Molythane/Nitrile





Temperature: -65/200F [-54/93C]

Pressure: 5000 PSI [345 BAR]

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
12500125-250B/4615	0.125	0.375	0.250	5.80
12500187-250B/4615	0.187	0.437	0.250	4.80
12500250-250B/4615	0.250	0.500	0.250	5.95
12500312-250B/4615	0.312	0.562	0.250	5.60
12500375-187B/4615	0.375	0.625	0.187	5.40
12500375-250B/4615	0.375	0.625	0.250	6.05
12500437-250B/4615	0.437	0.687	0.250	5.60
12500500-125B/4615	0.500	0.750	0.125	4.55
12500500-250B/4615	0.500	0.750	0.250	5.15
12500562-250B/4615	0.562	0.812	0.250	5.80
12500625-125B/4615	0.625	0.875	0.125	4.75
12500625-187B/4615	0.625	0.875	0.187	5.30
12500625-250B/4615	0.625	0.875	0.250	5.30
12500687-250B/4615	0.687	0.937	0.250	6.05
12500750-125B/4615	0.750	1.000	0.125	4.65
12500750-187B/4615	0.750	1.000	0.187	5.80
12500750-250B/4615	0.750	1.000	0.250	5.50
12500800-250B/4615	0.800	1.050	0.250	8.15
12500812-125B/4615	0.812	1.062	0.125	5.50
12500812-250B/4615	0.812	1.062	0.250	7.50
12500875-125B/4615	0.875	1.125	0.125	4.65
12500875-187B/4615	0.875	1.125	0.187	6.30
12500875-250B/4615	0.875	1.125	0.250	5.65
12500937-250B/4615	0.937	1.187	0.250	7.35
12501000-125B/4615	1.000	1.250	0.125	4.90
12501000-156B/4615	1.000	1.250	0.156	5.95
12501000-187B/4615	1.000	1.250	0.187	5.95
12501000-250B/4615	1.000	1.250	0.250	5.95
12501062-250B/4615	1.062	1.312	0.250	6.05
12501125-250B/4615	1.125	1.375	0.250	6.15
12501187-178B/4615	1.187	1.437	0.178	6.60
12501187-187B/4615	1.187	1.437	0.187	6.60
12501187-250B/4615	1.187	1.437	0.250	6.65
12501250-187B/4615	1.250	1.500	0.187	6.45

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
12501250-250B/4615	1.250	1.500	0.250	6.45
12501312-187B/4615	1.312	1.562	0.187	8.10
12501375-125B/4615	1.375	1.625	0.125	5.65
12501375-178B/4615	1.375	1.625	0.178	7.00
12501375-250B/4615	1.375	1.625	0.250	6.70
12501437-250B/4615	1.437	1.687	0.250	8.65
12501500-125B/4615	1.500	1.750	0.125	5.95
12501500-250B/4615	1.500	1.750	0.250	6.95
12501750-125B/4615	1.750	2.000	0.125	6.35
12501875-125B/4615	1.875	2.125	0.125	8.45
12502000-187B/4615	2.000	2.250	0.187	8.15
12502125-250B/4615	2.125	2.375	0.250	8.45
12502500-250B/4615	2.500	2.750	0.250	9.50
12503625-187B/4615	3.625	3.875	0.187	13.80
12504500-187B/4615	4.500	4.750	0.187	19.70
5/32" - Cross Section - 0.156"				
15601500-312B/4615	1.500	1.812	0.312	6.60
3/16" - Cross Section - 0.187"				
18700250-312B/4615	0.255	0.625	0.312	6.30
18700312-312B/4615	0.312	0.687	0.312	6.45
18700375-312B/4615	0.375	0.750	0.312	6.45
18700437-312B/4615	0.437	0.812	0.312	6.50
18700500-312B/4615	0.500	0.875	0.312	5.20
18700562-312B/4615	0.562	0.937	0.312	6.80
18700625-312B/4615	0.625	1.000	0.312	5.55
18700687-312B/4615	0.687	1.062	0.312	7.25
18700750-312B/4615	0.750	1.125	0.312	5.85
18700812-312B/4615	0.812	1.187	0.312	7.50

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TYPE B POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
18700875-312B/4615	0.875	1.250	0.312	6.15
18700937-312B/4615	0.937	1.312	0.312	7.85
18701000-312B/4615	1.000	1.375	0.312	6.35
18701062-312B/4615	1.062	1.437	0.312	8.20
18701125-187B/4615	1.125	1.500	0.187	7.75
18701125-312B/4615	1.125	1.500	0.312	6.60
18701187-312B/4615	1.187	1.562	0.312	8.60
18701250-250B/4615	1.250	1.625	0.250	6.75
18701250-312B/4615	1.250	1.625	0.312	6.75
18701250-375B/4615	1.250	1.625	0.375	6.95
18701312-187B/4615	1.312	1.687	0.187	6.35
18701312-312B/4615	1.312	1.687	0.312	8.80
18701375-312B/4615	1.375	1.750	0.312	7.10
18701437-312B/4615	1.437	1.812	0.312	9.20
18701500-187B/4615	1.500	1.875	0.187	7.30
18701500-250B/4615	1.500	1.875	0.250	7.35
18701500-312B/4615	1.500	1.875	0.312	7.30
18701500-375B/4615	1.500	1.875	0.375	7.30
18701625-266B/4615	1.625	2.000	0.266	8.15
18701625-312B/4615	1.625	2.000	0.312	7.75
18701625-375B/4615	1.625	2.000	0.375	7.75
18701750-230B/4615	1.750	2.125	0.230	8.20
18701750-250B/4615	1.750	2.125	0.250	10.35
18701750-266B/4615	1.750	2.125	0.266	11.15
18701750-312B/4615	1.750	2.125	0.312	8.20
18701750-375B/4615	1.750	2.125	0.375	8.20
18701875-375B/4615	1.875	2.250	0.375	8.70
18701937-281B/4615	1.937	2.312	0.281	8.90
18702000-187B/4615	2.000	2.375	0.187	9.20
18702000-230B/4615	2.000	2.375	0.230	9.20
18702000-312B/4615	2.000	2.375	0.312	9.20
18702000-375B/4615	2.000	2.375	0.375	9.20
18702125-187B/4615	2.125	2.500	0.187	7.55
18702125-250B/4615	2.125	2.500	0.250	12.35
18702125-375B/4615	2.125	2.500	0.375	9.90
18702250-375B/4615	2.250	2.625	0.375	10.20
18702375-375B/4615	2.375	2.750	0.375	10.65
18702375-437B/4615	2.375	2.750	0.437	10.65
18702500-250B/4615	2.500	2.875	0.250	11.05
18702500-375B/4615	2.500	2.875	0.375	11.05
18702625-281B/4615	2.625	3.000	0.281	11.50
18702625-375B/4615	2.625	3.000	0.375	11.50
18702750-187B/4615	2.750	3.125	0.187	8.65
18702750-281B/4615	2.750	3.125	0.281	12.00
18702750-375B/4615	2.750	3.125	0.375	12.00
18702875-281B/4615	2.875	3.250	0.281	12.35

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
18702875-375B/4615	2.875	3.250	0.375	12.35
18703000-250B/4615	3.000	3.375	0.250	12.70
18703000-375B/4615	3.000	3.375	0.375	12.70
18703125-187B/4615	3.125	3.500	0.187	9.75
18703125-312B/4615	3.125	3.500	0.312	16.05
18703125-375B/4615	3.125	3.500	0.375	13.55
18703250-375B/4615	3.250	3.625	0.375	14.30
18703375-187B/4615	3.375	3.750	0.187	10.90
18703375-250B/4615	3.375	3.750	0.250	15.05
18703375-375B/4615	3.375	3.750	0.375	15.05
18703500-281B/4615	3.500	3.875	0.281	15.80
18703500-375B/4615	3.500	3.875	0.375	15.80
18703625-375B/4615	3.625	4.000	0.375	16.70
18703750-375B/4615	3.750	4.125	0.375	17.55
18703875-375B/4615	3.875	4.250	0.375	18.45
18704000-187B/4615	4.000	4.375	0.187	14.45
18704000-375B/4615	4.000	4.375	0.375	19.40
18704125-375B/4615	4.125	4.500	0.375	20.30
18704250-281B/4615	4.250	4.625	0.281	21.15
18704250-375B/4615	4.250	4.625	0.375	21.15
18704375-375B/4615	4.375	4.750	0.375	22.35
18704500-187B/4615	4.500	4.875	0.187	23.10
18704500-375B/4615	4.500	4.875	0.375	23.10
18705000-281B/4615	5.000	5.375	0.281	26.55
18705500-375B/4615	5.500	5.875	0.375	30.25
18707000-375B/4615	7.000	7.375	0.375	42.15
1/4" - Cross Section - 0.250"				
25000250-375B/4615	0.250	0.750	0.375	8.05
25000353-375B/4615	0.353	0.853	0.375	6.60
25000437-375B/4615	0.437	0.937	0.375	8.10
25000478-375B/4615	0.478	0.978	0.375	6.60
25000500-375B/4615	0.500	1.000	0.375	8.15
25000562-375B/4615	0.562	1.062	0.375	6.60
25000625-375B/4615	0.625	1.125	0.375	8.20
25000687-375B/4615	0.687	1.187	0.375	8.30
25000750-375B/4615	0.750	1.250	0.375	8.60
25000875-375B/4615	0.875	1.375	0.375	7.65
25001000-375B/4615	1.000	1.500	0.375	6.85
25001125-375B/4615	1.125	1.625	0.375	7.05
25001250-250B/4615	1.250	1.750	0.250	9.10
25001250-375B/4615	1.250	1.750	0.375	7.10
25001312-375B/4615	1.312	1.812	0.375	7.45
25001375-375B/4615	1.375	1.875	0.375	7.75

TYPE B POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25001500-250B/4615	1.500	2.000	0.250	7.55
25001500-375B/4615	1.500	2.000	0.375	8.30
25001625-375B/4615	1.625	2.125	0.375	8.70
25001750-375B/4615	1.750	2.250	0.375	9.20
25001875-375B/4615	1.875	2.375	0.375	9.60
25001937-375B/4615	1.937	2.437	0.375	9.80
25002000-250B/4615	2.000	2.500	0.250	9.25
25002000-375B/4615	2.000	2.500	0.375	10.05
25002125-250B/4615	2.125	2.625	0.250	9.75
25002125-375B/4615	2.125	2.625	0.375	10.70
25002250-375B/4615	2.250	2.750	0.375	11.30
25002375-375B/4615	2.375	2.875	0.375	11.85
25002500-250B/4615	2.500	3.000	0.250	11.05
25002500-375B/4615	2.500	3.000	0.375	12.40
25002562-375B/4615	2.562	3.062	0.375	12.70
25002625-375B/4615	2.625	3.125	0.375	12.95
25002750-375B/4615	2.750	3.250	0.375	13.85
25002875-375B/4615	2.875	3.375	0.375	14.10
25003000-375B/4615	3.000	3.500	0.375	14.65
25003125-375B/4615	3.125	3.625	0.375	19.00
25003250-375B/4615	3.250	3.750	0.375	15.70
25003375-375B/4615	3.375	3.875	0.375	16.30
25003500-375B/4615	3.500	4.000	0.375	16.90
25003625-375B/4615	3.625	4.125	0.375	17.30
25003750-375B/4615	3.750	4.250	0.375	17.85
25003750-562B/4615	3.750	4.250	0.562	17.85
25004000-375B/4615	4.000	4.500	0.375	18.95
25004000-562B/4615	4.000	4.500	0.562	18.85
25004062-375B/4615	4.062	4.562	0.375	19.50
25004125-562B/4615	4.125	4.625	0.562	20.05
25004250-375B/4615	4.250	4.750	0.375	20.90
25004250-562B/4615	4.250	4.750	0.562	20.90
25004437-375B/4615	4.437	4.937	0.375	22.10
25004500-375B/4615	4.500	5.000	0.375	22.45
25004500-500B/4615	4.500	5.000	0.500	22.45
25004500-562B/4615	4.500	5.000	0.562	22.45
25004625-250B/4615	4.625	5.125	0.250	18.95
25004625-562B/4615	4.625	5.125	0.562	23.20
25004750-375B/4615	4.750	5.250	0.375	24.00
25004750-562B/4615	4.750	5.250	0.562	24.00
25004875-375B/4615	4.875	5.375	0.375	24.90
25004875-562B/4615	4.875	5.375	0.562	24.90
25005000-375B/4615	5.000	5.500	0.375	25.75
25005000-562B/4615	5.000	5.500	0.562	25.75

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25005250-375B/4615	5.250	5.750	0.375	28.05
25005250-562B/4615	5.250	5.750	0.562	28.05
25005375-562B/4615	5.375	5.875	0.562	29.15
25005437-375B/4615	5.437	5.937	0.375	31.20
25005500-375B/4615	5.500	6.000	0.375	30.20
25005500-562B/4615	5.500	6.000	0.562	30.20
25005625-562B/4615	5.625	6.125	0.562	32.60
25005750-562B/4615	5.750	6.250	0.562	31.70
25006000-375B/4615	6.000	6.500	0.375	34.95
25006000-437B/4615	6.000	6.500	0.437	34.95
25006000-562B/4615	6.000	6.500	0.562	34.95
25006250-562B/4615	6.250	6.750	0.562	36.00
25006500-375B/4615	6.500	7.000	0.375	37.50
25006500-562B/4615	6.500	7.000	0.562	37.50
25006750-375B/4615	6.750	7.250	0.375	39.10
25006750-562B/4615	6.750	7.250	0.562	39.10
25007000-375B/4615	7.000	7.500	0.375	40.65
25007000-562B/4615	7.000	7.500	0.562	40.65
25007250-562B/4615	7.250	7.750	0.562	42.60
25007500-562B/4615	7.500	8.000	0.562	43.95
25007750-562B/4615	7.750	8.250	0.562	45.35
25008000-562B/4615	8.000	8.500	0.562	47.00
25008125-562B/4615	8.125	8.625	0.562	47.70
25008250-375B/4615	8.250	8.750	0.375	48.50
25008250-437B/4615	8.250	8.750	0.437	48.50
25008250-562B/4615	8.250	8.750	0.562	48.50
25008500-562B/4615	8.500	9.000	0.562	50.15
25009000-375B/4615	9.000	9.500	0.375	68.95
25009500-562B/4615	9.500	10.000	0.562	56.65
25009750-375B/4615	9.750	10.250	0.375	58.25
25009750-562B/4615	9.750	10.250	0.562	58.25
25010000-562B/4615	10.000	10.500	0.562	60.10
25010250-562B/4615	10.250	10.750	0.562	61.85
25010500-562B/4615	10.500	11.000	0.562	78.50
25011000-562B/4615	11.000	11.500	0.562	66.85
25011250-375B/4615	11.250	11.750	0.375	69.25
25011250-562B/4615	11.250	11.750	0.562	69.30
25012750-562B/4615	12.750	13.250	0.562	84.70
25013000-562B/4615	13.000	13.500	0.562	88.80
25015000-562B/4615	15.000	15.500	0.562	108.55
25019125-562B/4615	19.125	19.625	0.562	139.15
25021750-375B/4615	21.750	22.250	0.375	157.80
25022062-375B/4615	22.062	22.562	0.375	159.90
25023000-375B/4615	23.000	23.500	0.375	333.10

TYPE B POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
25023750-375B/4615	23.750	24.250	0.375	343.85
25024000-375B/4615	24.000	24.500	0.375	413.05
25025250-375B/4615	25.250	25.750	0.375	433.80
9/32" - Cross Section - 0.281"				
28102250-375B/4615	2.250	2.812	0.375	12.35
28102937-500B/4615	2.937	3.500	0.500	16.15
28103437-500B/4615	3.437	4.000	0.500	18.85
28103937-500B/4615	3.937	4.500	0.500	21.55
28104437-500B/4615	4.437	5.000	0.500	24.25
28104687-625B/4615	4.687	5.250	0.625	26.20
28104937-343B/4615	4.937	5.500	0.343	27.85
28104937-500B/4615	4.937	5.500	0.500	27.85
28105937-500B/4615	5.937	6.500	0.500	38.05
28106937-500B/4615	6.937	7.500	0.500	45.55
28108937-500B/4615	8.937	9.500	0.500	58.10
5/16" - Cross Section - 0.312				
31200353-375B/4615	0.353	0.978	0.375	7.50
31200750-500B/4615	0.750	1.375	0.500	7.60
31200812-500B/4615	0.812	1.437	0.500	7.75
31201000-500B/4615	1.000	1.625	0.500	7.90
31201125-500B/4615	1.125	1.750	0.500	11.95
31201250-500B/4615	1.250	1.875	0.500	8.45
31201375-500B/4615	1.375	2.000	0.500	8.75
31201437-500B/4615	1.437	2.062	0.500	9.05
31201500-500B/4615	1.500	2.125	0.500	9.80
31201625-500B/4615	1.625	2.250	0.500	10.35
31201687-500B/4615	1.687	2.312	0.500	10.65
31201750-500B/4615	1.750	2.375	0.500	10.90
31201875-500B/4615	1.875	2.500	0.500	11.50
31202000-500B/4615	2.000	2.625	0.500	12.10
31202125-500B/4615	2.125	2.750	0.500	12.70
31202250-500B/4615	2.250	2.875	0.500	13.30
31202375-500B/4615	2.375	3.000	0.500	13.85
31202500-500B/4615	2.500	3.125	0.500	14.40
31202625-500B/4615	2.625	3.250	0.500	14.95
31202750-500B/4615	2.750	3.375	0.500	15.70
31202875-500B/4615	2.875	3.500	0.500	16.15
31203000-500B/4615	3.000	3.625	0.500	16.90

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/16" - Cross Section - 0.312				
31203250-500B/4615	3.250	3.875	0.500	18.25
31203375-500B/4615	3.375	4.000	0.500	18.85
31203500-500B/4615	3.500	4.125	0.500	19.55
31203625-500B/4615	3.625	4.250	0.500	20.15
31203750-375B/4615	3.750	4.375	0.375	20.90
31203750-500B/4615	3.750	4.375	0.500	20.90
31203750-625B/4615	3.750	4.375	0.625	20.90
31204000-562B/4615	4.000	4.625	0.562	22.20
31204125-562B/4615	4.125	4.750	0.562	22.70
31204250-562B/4615	4.250	4.875	0.562	23.65
31204375-312B/4615	4.375	5.000	0.312	30.20
31204375-562B/4615	4.375	5.000	0.562	24.25
31204500-625B/4615	4.500	5.125	0.625	24.90
31204625-625B/4615	4.625	5.250	0.625	25.90
31204750-625B/4615	4.750	5.375	0.625	26.85
31205000-625B/4615	5.000	5.625	0.625	30.45
31205125-625B/4615	5.125	5.750	0.625	29.45
31205250-625B/4615	5.250	5.875	0.625	30.85
31205500-625B/4615	5.500	6.125	0.625	32.90
31205625-625B/4615	5.625	6.250	0.625	35.80
31205750-625B/4615	5.750	6.375	0.625	34.90
31206000-625B/4615	6.000	6.625	0.625	39.20
31206375-625B/4615	6.375	7.000	0.625	41.80
31206500-625B/4615	6.500	7.125	0.625	42.90
31206625-625B/4615	6.625	7.250	0.625	43.60
31206750-625B/4615	6.750	7.375	0.625	44.35
31207000-625B/4615	7.000	7.625	0.625	46.10
31207250-625B/4615	7.250	7.875	0.625	47.70
31207875-625B/4615	7.875	8.500	0.625	51.90
31208000-625B/4615	8.000	8.625	0.625	52.60
31209125-625B/4615	9.125	9.750	0.625	60.10
31209250-625B/4615	9.250	9.875	0.625	61.20
31209375-625B/4615	9.375	10.000	0.625	62.20
31209625-625B/4615	9.625	10.250	0.625	64.50
31209750-625B/4615	9.750	10.375	0.625	65.50
31210375-625B/4615	10.375	11.000	0.625	70.95
31212250-625B/4615	12.250	12.875	0.625	89.10
31212500-625B/4615	12.500	13.125	0.625	92.90
31215625-625B/4615	15.625	16.250	0.625	180.35
3/8" - Cross Section - 0.375"				
37501250-625B/4615	1.250	2.000	0.625	11.70

TYPE B POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37501375-625B/4615	1.375	2.125	0.625	12.35
37501500-625B/4615	1.500	2.250	0.625	13.25
37501625-375B/4615	1.625	2.375	0.375	13.80
37501625-625B/4615	1.625	2.375	0.625	13.80
37501750-625B/4615	1.750	2.500	0.625	14.65
37502000-625B/4615	2.000	2.750	0.625	16.40
37502250-625B/4615	2.250	3.000	0.625	18.15
37502375-625B/4615	2.375	3.125	0.625	19.05
37502500-625B/4615	2.500	3.250	0.625	19.90
37502625-625B/4615	2.625	3.375	0.625	20.95
37502750-625B/4615	2.750	3.500	0.625	21.75
37502875-625B/4615	2.875	3.625	0.625	22.70
37503000-500B/4615	3.000	3.750	0.500	23.70
37503000-625B/4615	3.000	3.750	0.625	23.70
37503125-625B/4615	3.125	3.875	0.625	24.60
37503250-625B/4615	3.250	4.000	0.625	25.20
37503375-625B/4615	3.375	4.125	0.625	25.80
37503500-625B/4615	3.500	4.250	0.625	26.95
37503625-625B/4615	3.625	4.375	0.625	27.80
37503750-625B/4615	3.750	4.500	0.625	28.65
37503875-625B/4615	3.875	4.625	0.625	29.60
37504000-625B/4615	4.000	4.750	0.625	30.45
37504125-625B/4615	4.125	4.875	0.625	31.10
37504250-375B/4615	4.250	5.000	0.375	29.15
37504250-625B/4615	4.250	5.000	0.625	31.80
37504375-625B/4615	4.375	5.125	0.625	32.65
37504500-625B/4615	4.500	5.250	0.625	33.45
37504625-625B/4615	4.625	5.375	0.625	34.20
37504750-625B/4615	4.750	5.500	0.625	34.95
37504875-625B/4615	4.875	5.625	0.625	35.90
37505000-500B/4615	5.000	5.750	0.500	36.65
37505000-625B/4615	5.000	5.750	0.625	36.65
37505125-625B/4615	5.125	5.875	0.625	37.35
37505250-375B/4615	5.250	6.000	0.375	38.20
37505250-500B/4615	5.250	6.000	0.500	38.20
37505250-625B/4615	5.250	6.000	0.625	38.20
37505375-625B/4615	5.375	6.125	0.625	39.00
37505500-625B/4615	5.500	6.250	0.625	39.65
37505625-625B/4615	5.625	6.375	0.625	42.55
37505750-625B/4615	5.750	6.500	0.625	41.10
37505875-625B/4615	5.875	6.625	0.625	44.15
37506000-500B/4615	6.000	6.750	0.500	45.10
37506000-625B/4615	6.000	6.750	0.625	45.10
37506250-500B/4615	6.250	7.000	0.500	45.80

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37506250-625B/4615	6.250	7.000	0.625	45.80
37506500-500B/4615	6.500	7.250	0.500	47.35
37506500-625B/4615	6.500	7.250	0.625	47.35
37506750-375B/4615	6.750	7.500	0.375	45.20
37506750-500B/4615	6.750	7.500	0.500	49.10
37506750-625B/4615	6.750	7.500	0.625	49.10
37506875-625B/4615	6.875	7.625	0.625	49.90
37507000-500B/4615	7.000	7.750	0.500	50.65
37507000-625B/4615	7.000	7.750	0.625	50.65
37507250-625B/4615	7.250	8.000	0.625	52.95
37507375-500B/4615	7.375	8.125	0.500	53.35
37507500-500B/4615	7.500	8.250	0.500	53.85
37507500-625B/4615	7.500	8.250	0.625	53.85
37507750-625B/4615	7.750	8.500	0.625	55.35
37507790-375B/4615	7.790	8.540	0.375	51.05
37508000-625B/4615	8.000	8.750	0.625	56.95
37508250-625B/4615	8.250	9.000	0.625	58.50
37508500-625B/4615	8.500	9.250	0.625	67.05
37508750-500B/4615	8.750	9.500	0.500	70.10
37508750-750B/4615	8.750	9.500	0.750	70.10
37508795-375B/4615	8.795	9.545	0.375	57.60
37508875-625B/4615	8.875	9.625	0.625	70.95
37509000-625B/4615	9.000	9.750	0.625	71.85
37509250-625B/4615	9.250	10.000	0.625	73.65
37509500-625B/4615	9.500	10.250	0.625	84.60
37510000-625B/4615	10.000	10.750	0.625	88.50
37510250-500B/4615	10.250	11.000	0.500	97.05
37510250-750B/4615	10.250	11.000	0.750	97.05
37510500-375B/4615	10.500	11.250	0.375	66.10
37510500-625B/4615	10.500	11.250	0.625	99.05
37510750-625B/4615	10.750	11.500	0.625	101.25
37511250-625B/4615	11.250	12.000	0.625	105.60
37511500-625B/4615	11.500	12.250	0.625	107.70
37511750-625B/4615	11.750	12.500	0.625	109.85
37511750-750B/4615	11.750	12.500	0.750	109.85
37512000-625B/4615	12.000	12.750	0.625	111.95
37512250-625B/4615	12.250	13.000	0.625	115.95
37512750-625B/4615	12.750	13.500	0.625	123.75
37513000-375B/4615	13.000	13.750	0.375	85.25
37513000-625B/4615	13.000	13.750	0.625	126.95
37513500-625B/4615	13.500	14.250	0.625	153.95
37513750-625B/4615	13.750	14.500	0.625	157.75

TYPE B POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37514250-625B/4615	14.250	15.000	0.625	163.15
37514750-625B/4615	14.750	15.500	0.625	170.75
37519250-625B/4615	19.250	20.000	0.625	238.05
37520750-500B/4615	20.750	21.500	0.500	289.85
7/16" - Cross Section - 0.437"				
43701125-500B/4615	1.125	2.000	0.500	11.50
43702250-625B/4615	2.250	3.125	0.625	19.50
43702500-625B/4615	2.500	3.375	0.625	21.15
43703125-687B/4615	3.125	4.000	0.687	25.45
43703375-500B/4615	3.375	4.250	0.500	27.20
43703875-750B/4615	3.875	4.750	0.750	30.85
43704000-625B/4615	4.000	4.875	0.625	31.75
43704500-750B/4615	4.500	5.375	0.750	35.25
43704750-750B/4615	4.750	5.625	0.750	37.10
43704875-562B/4615	4.875	5.750	0.562	39.20
43705000-750B/4615	5.000	5.875	0.750	39.40
1/2" - Cross Section - 0.500"				
50001500-750B/4615	1.500	2.500	0.750	18.60
50001750-750B/4615	1.750	2.750	0.750	21.00
50002000-750B/4615	2.000	3.000	0.750	23.15
50003000-750B/4615	3.000	4.000	0.750	32.35
50003250-750B/4615	3.250	4.250	0.750	34.65
50003375-625B/4615	3.375	4.375	0.625	37.80
50003500-750B/4615	3.500	4.500	0.750	37.10
50003750-690B/4615	3.750	4.750	0.690	39.35
50003875-750B/4615	3.875	4.875	0.750	40.25
50004000-750B/4615	4.000	5.000	0.750	41.35
50004250-750B/4615	4.250	5.250	0.750	43.70
50004375-625B/4615	4.375	5.375	0.625	44.95
50004375-750B/4615	4.375	5.375	0.750	44.95
50004500-750B/4615	4.500	5.500	0.750	46.10
50004750-750B/4615	4.750	5.750	0.750	48.25
50005000-750B/4615	5.000	6.000	0.750	50.45
50005250-500B/4615	5.250	6.250	0.500	47.85
50005250-750B/4615	5.250	6.250	0.750	47.85
50005500-750B/4615	5.500	6.500	0.750	52.95
50005750-750B/4615	5.750	6.750	0.750	54.25
50006000-750B/4615	6.000	7.000	0.750	58.45

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
50006250-750B/4615	6.250	7.250	0.750	58.70
50006500-750B/4615	6.500	7.500	0.750	60.05
50006750-750B/4615	6.750	7.750	0.750	62.10
50007000-750B/4615	7.000	8.000	0.750	64.15
50007250-750B/4615	7.250	8.250	0.750	66.40
50007500-750B/4615	7.500	8.500	0.750	68.45
50007750-750B/4615	7.750	8.750	0.750	70.70
50008000-750B/4615	8.000	9.000	0.750	72.95
50008250-750B/4615	8.250	9.250	0.750	74.95
50008500-750B/4615	8.500	9.500	0.750	77.05
50008750-750B/4615	8.750	9.750	0.750	79.10
50009000-750B/4615	9.000	10.000	0.750	81.15
50009250-750B/4615	9.250	10.250	0.750	82.65
50009500-750B/4615	9.500	10.500	0.750	86.40
50010000-750B/4615	10.000	11.000	0.750	90.05
50010250-750B/4615	10.250	11.250	0.750	104.80
50010500-750B/4615	10.500	11.500	0.750	120.25
50010750-750B/4615	10.750	11.750	0.750	165.85
50011000-750B/4615	11.000	12.000	0.750	136.30
50011375-750B/4615	11.375	12.375	0.750	139.25
50011500-750B/4615	11.500	12.500	0.750	140.70
50011750-750B/4615	11.750	12.750	0.750	143.80
50012000-750B/4615	12.000	13.000	0.750	146.80
50012125-750B/4615	12.125	13.125	0.750	148.25
50012250-750B/4615	12.250	13.250	0.750	149.85
50012500-750B/4615	12.500	13.500	0.750	152.75
50013000-750B/4615	13.000	14.000	0.750	193.00
50013250-750B/4615	13.250	14.250	0.750	199.05
50013500-750B/4615	13.500	14.500	0.750	204.05
50014000-750B/4615	14.000	15.000	0.750	210.80
50014420-500B/4615	14.420	15.420	0.500	147.20
50014750-750B/4615	14.750	15.750	0.750	226.15
50015000-750B/4615	15.000	16.000	0.750	231.60
50015250-750B/4615	15.250	16.250	0.750	234.90
50015500-750B/4615	15.500	16.500	0.750	238.15
50016500-750B/4615	16.500	17.500	0.750	243.25
50016750-750B/4615	16.750	17.750	0.750	246.70
50017000-750B/4615	17.000	18.000	0.750	249.30
50017500-750B/4615	17.500	18.500	0.750	256.95
50018000-750B/4615	18.000	19.000	0.750	263.10
50019000-750B/4615	19.000	20.000	0.750	275.30
50019625-750B/4615	19.625	20.625	0.750	286.35
50020000-750B/4615	20.000	21.000	0.750	287.30
50020250-750B/4615	20.250	21.250	0.750	294.95

TYPE B POLYPAK SERIES - AU/NBR

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
50021000-750B/4615	21.000	22.000	0.750	304.25
50022000-750B/4615	22.000	23.000	0.750	722.85
50024000-750B/4615	24.000	25.000	0.750	692.65
50024875-750B/4615	24.875	25.875	0.750	716.75
50026125-750B/4615	26.125	27.125	0.750	751.25
50029000-750B/4615	29.000	30.000	0.750	826.95
50029750-750B/4615	29.750	30.750	0.750	964.60
50030750-750B/4615	30.750	31.750	0.750	878.35
50031500-750B/4615	31.500	32.500	0.750	1528.75
50034500-750B/4615	34.500	35.500	0.750	1471.95
50038000-750B/4615	38.000	39.000	0.750	1616.30
50038250-750B/4615	38.250	39.250	0.750	1844.65
50038750-750B/4615	38.750	39.750	0.750	1647.35
50041000-750B/4615	41.000	42.000	0.750	1741.05
50041750-750B/4615	41.750	42.750	0.750	2008.35
50042000-750B/4615	42.000	43.000	0.750	1781.30
50043500-750B/4615	43.500	44.500	0.750	1843.05
50044125-750B/4615	44.125	45.125	0.750	1869.30
50046250-750B/4615	46.250	47.250	0.750	2218.85
50047500-750B/4615	47.500	48.500	0.750	2008.15
9/16" - Cross Section - 0.562"				
56202375-875B/4615	2.375	3.500	0.875	26.20
56212562-875B/4615	12.562	13.687	0.875	167.00
5/8" - Cross Section - 0.625"				
62502750-1000B/4615	2.750	4.000	1.000	36.00
62502875-1000B/4615	2.875	4.125	1.000	37.10
62503250-1000B/4615	3.250	4.500	1.000	40.60
62503750-1000B/4615	3.750	5.000	1.000	45.85
62504250-1000B/4615	4.250	5.500	1.000	50.55
62505000-1000B/4615	5.000	6.250	1.000	62.20
62505250-1000B/4615	5.250	6.500	1.000	64.95
62505500-1000B/4615	5.500	6.750	1.000	67.60
62506000-1000B/4615	6.000	7.250	1.000	75.80
62506750-1000B/4615	6.750	8.000	1.000	83.50
62507000-1000B/4615	7.000	8.250	1.000	86.10
62507250-1000B/4615	7.250	8.500	1.000	89.15
62507500-1000B/4615	7.500	8.750	1.000	92.20
62507750-1000B/4615	7.750	9.000	1.000	95.00

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/8" - Cross Section - 0.625"				
62508250-1000B/4615	8.250	9.500	1.000	100.75
62508500-1000B/4615	8.500	9.750	1.000	103.75
62509000-1000B/4615	9.000	10.250	1.000	109.10
62509750-1000B/4615	9.750	11.000	1.000	117.75
62510500-750B/4615	10.500	11.750	0.750	172.10
62511000-1000B/4615	11.000	12.250	1.000	179.60
62511250-1000B/4615	11.250	12.500	1.000	158.60
62511500-1000B/4615	11.500	12.750	1.000	187.90
62511750-1000B/4615	11.750	13.000	1.000	191.90
62512000-1000B/4615	12.000	13.250	1.000	196.05
62512250-1000B/4615	12.250	13.500	1.000	199.05
62513500-875B/4615	13.500	14.750	0.875	254.25
62514000-1000B/4615	14.000	15.250	1.000	264.40
62515500-1000B/4615	15.500	16.750	1.000	302.05
62517750-1000B/4615	17.750	19.000	1.000	361.55
62518750-1000B/4615	18.750	20.000	1.000	379.35
62519000-1250B/4615	19.000	20.250	1.250	543.75
62519750-1000B/4615	19.750	21.000	1.000	398.25
3/4" - Cross Section - 0.750"				
75008000-1125B/4615	8.000	9.500	1.125	111.95
75008000-1250B/4615	8.000	9.500	1.250	111.95
75008500-1125B/4615	8.500	10.000	1.125	118.25
75010000-1250B/4615	10.000	11.500	1.250	187.30
75010500-1000B/4615	10.500	12.000	1.000	195.75
75011500-1250B/4615	11.500	13.000	1.250	213.40
75012000-1250B/4615	12.000	13.500	1.250	222.50
75012500-1250B/4615	12.500	14.000	1.250	269.45
75013000-1000B/4615	13.000	14.500	1.000	300.15
75014000-1250B/4615	14.000	15.500	1.250	324.45
75015625-1250B/4615	15.625	17.125	1.250	409.85
75017625-1250B/4615	17.625	19.125	1.250	454.75
75019000-1250B/4615	19.000	20.500	1.250	486.60
75020000-1000B/4615	20.000	21.500	1.000	406.30
75020000-1250B/4615	20.000	21.500	1.250	509.15
75020500-1000B/4615	20.500	22.000	1.000	416.35
75023500-1250B/4615	23.500	25.000	1.250	1174.45
7/8" - Cross Section - 0.875"				
87519937-1375B/4615	19.937	21.687	1.375	546.85

TYPE B POLYPAK SERIES - AU/NBR

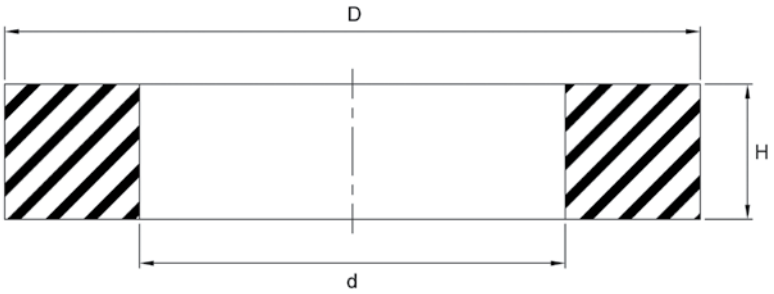
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1" - Cross Section - 1.000"				
100012000-1500B/4615	12.000	14.000	1.500	357.70
100015000-1500B/4615	15.000	17.000	1.500	547.55
100016000-1250B/4615	16.000	18.000	1.250	499.10
100017500-1500B/4615	17.500	19.500	1.500	637.45
100021250-1500B/4615	21.250	23.250	1.500	1479.45
100024000-1500B/4615	24.000	26.000	1.500	1622.95

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1" - Cross Section - 1.000"				
100026000-1500B/4615	26.000	28.000	1.500	1734.45
100029000-1500B/4615	29.000	31.000	1.500	1890.20
100030000-1500B/4615	30.000	32.000	1.500	1949.10
100033375-1500B/4615	33.375	35.375	1.500	3131.70

Modular Backup

Urethane 65D





Temperature: -65/200F [-54/93C]

Pressure: 5000 PSI [345 BAR]

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
12500125MB/4617	0.125	0.375	0.125	4.90
12500250MB/4617	0.250	0.500	0.125	4.90
12500312MB/4617	0.312	0.562	0.125	4.90
12500375MB/4617	0.375	0.625	0.125	4.90
12500500MB/4617	0.500	0.750	0.125	4.90
12500625MB/4617	0.625	0.875	0.125	5.00
12500687MB/4617	0.687	0.937	0.125	5.05
12500812MB/4617	0.812	1.062	0.125	5.35
12500937MB/4617	0.937	1.187	0.125	5.50
12501000MB/4617	1.000	1.250	0.125	5.60
12501062MB/4617	1.062	1.312	0.125	5.80
12501250MB/4617	1.250	1.500	0.125	6.15
12501375MB/4617	1.375	1.625	0.125	6.30
12501500MB/4617	1.500	1.750	0.125	6.60

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
18700500MB/4617	0.500	0.875	0.187	5.05
18700625MB/4617	0.625	1.000	0.187	5.40
18701000MB/4617	1.000	1.375	0.187	6.30
18701250MB/4617	1.250	1.625	0.187	6.80
18701312MB/4617	1.312	1.687	0.187	7.00
18701500MB/4617	1.500	1.875	0.187	7.25
18701625MB/4617	1.625	2.000	0.187	7.45
18701875MB/4617	1.875	2.250	0.187	7.85
18701937MB/4617	1.937	2.312	0.187	7.95
18702000MB/4617	2.000	2.375	0.187	8.10
18702625MB/4617	2.625	3.000	0.187	9.10
18702750MB/4617	2.750	3.125	0.187	9.55
18703000MB/4617	3.000	3.375	0.187	10.10
18703125MB/4617	3.125	3.500	0.187	10.75
18703250MB/4617	3.250	3.625	0.187	11.30
18703500MB/4617	3.500	3.875	0.187	12.65
18703625MB/4617	3.625	4.000	0.187	13.20
18703875MB/4617	3.875	4.250	0.187	14.55

MODULAR BACKUP - AU 65D

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
7/32" - Cross Section - 0.218"				
21800750MB/4617	0.750	1.187	0.218	6.65
1/4" - Cross Section - 0.250"				
25000353MB/4617	0.353	0.853	0.250	6.65
25000500MB/4617	0.500	1.000	0.250	6.65
25000625MB/4617	0.625	1.125	0.250	6.65
25000750MB/4617	0.750	1.250	0.250	6.65
25000875MB/4617	0.875	1.375	0.250	6.70
25001000MB/4617	1.000	1.500	0.250	6.85
25001062MB/4617	1.062	1.562	0.250	7.00
25001250MB/4617	1.250	1.750	0.250	7.25
25001375MB/4617	1.375	1.875	0.250	7.80
25001500MB/4617	1.500	2.000	0.250	8.35
25001750MB/4617	1.750	2.250	0.250	9.10
25001875MB/4617	1.875	2.375	0.250	9.60
25002000MB/4617	2.000	2.500	0.250	10.15
25002250MB/4617	2.250	2.750	0.250	11.20
25002500MB/4617	2.500	3.000	0.250	12.20
25002625MB/4617	2.625	3.125	0.250	13.15
25002750MB/4617	2.750	3.250	0.250	13.25
25002875MB/4617	2.875	3.375	0.250	13.80
25003000MB/4617	3.000	3.500	0.250	14.30
25003250MB/4617	3.250	3.750	0.250	15.30
25003375MB/4617	3.375	3.875	0.250	15.80
25003500MB/4617	3.500	4.000	0.250	16.35
25003750MB/4617	3.750	4.250	0.250	17.40
25004000MB/4617	4.000	4.500	0.250	18.40
25004125MB/4617	4.125	4.625	0.250	18.90
25004250MB/4617	4.250	4.750	0.250	19.45
25004500MB/4617	4.500	5.000	0.250	20.45
25005000MB/4617	5.000	5.500	0.250	22.55
25005250MB/4617	5.250	5.750	0.250	23.50
25005500MB/4617	5.500	6.000	0.250	24.60
25006000MB/4617	6.000	6.500	0.250	26.70
25007250MB/4617	7.250	7.750	0.250	31.20
25007500MB/4617	7.500	8.000	0.250	32.25
25007750MB/4617	7.750	8.250	0.250	33.25
25010000MB/4617	10.000	10.500	0.250	44.00
25010750MB/4617	10.750	11.250	0.250	47.85
25013000MB/4617	13.000	13.500	0.250	65.10

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
9/32" - Cross Section - 0.281"				
28102250MB/4617	2.250	2.812	0.281	11.20
28108000MB/4617	8.000	8.562	0.281	35.70
5/16" - Cross Section - 0.312"				
31200353MB/4617	0.353	0.978	0.312	7.50
31200812MB/4617	0.812	1.437	0.312	7.95
31201250MB/4617	1.250	1.875	0.312	8.20
31201500MB/4617	1.500	2.125	0.312	9.70
31201625MB/4617	1.625	2.250	0.312	10.35
31201750MB/4617	1.750	2.375	0.312	10.85
31201875MB/4617	1.875	2.500	0.312	11.60
31202000MB/4617	2.000	2.625	0.312	12.15
31202250MB/4617	2.250	2.875	0.312	13.30
31202312MB/4617	2.312	2.937	0.312	13.65
31202375MB/4617	2.375	3.000	0.312	14.00
31202500MB/4617	2.500	3.125	0.312	14.60
31203000MB/4617	3.000	3.625	0.312	17.05
31203125MB/4617	3.125	3.750	0.312	17.60
31203500MB/4617	3.500	4.125	0.312	19.75
31203750MB/4617	3.750	4.375	0.312	20.95
31204125MB/4617	4.125	4.750	0.312	23.10
31204250MB/4617	4.250	4.875	0.312	24.45
31204375MB/4617	4.375	5.000	0.312	26.10
31204500MB/4617	4.500	5.125	0.312	26.40
31205375MB/4617	5.375	6.000	0.312	29.35
31208000MB/4617	8.000	8.625	0.312	40.95
11/32" - Cross Section - 0.343"				
34301312MB/4617	1.312	2.000	0.343	12.00
3/8" - Cross Section - 0.375"				
37500875MB/4617	0.875	1.625	0.375	10.40
37501000MB/4617	1.000	1.750	0.375	10.60
37501250MB/4617	1.250	2.000	0.375	11.60
37501375MB/4617	1.375	2.125	0.375	12.35
37501500MB/4617	1.500	2.250	0.375	13.15
37501625MB/4617	1.625	2.375	0.375	14.05
37501750MB/4617	1.750	2.500	0.375	15.00

MODULAR BACKUP - AU 65D

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
37501875MB/4617	1.875	2.625	0.375	15.75
37502000MB/4617	2.000	2.750	0.375	16.40
37502250MB/4617	2.250	3.000	0.375	18.35
37502375MB/4617	2.375	3.125	0.375	19.15
37502500MB/4617	2.500	3.250	0.375	19.80
37502625MB/4617	2.625	3.375	0.375	20.85
37502750MB/4617	2.750	3.500	0.375	21.75
37503000MB/4617	3.000	3.750	0.375	23.80
37503125MB/4617	3.125	3.875	0.375	24.45
37503250MB/4617	3.250	4.000	0.375	25.20
37503375MB/4617	3.375	4.125	0.375	26.20
37503500MB/4617	3.500	4.250	0.375	27.10
37503750MB/4617	3.750	4.500	0.375	28.55
37504000MB/4617	4.000	4.750	0.375	30.50
37504125MB/4617	4.125	4.875	0.375	31.20
37504250MB/4617	4.250	5.000	0.375	32.10
37504375MB/4617	4.375	5.125	0.375	32.90
37504500MB/4617	4.500	5.250	0.375	35.05
37504750MB/4617	4.750	5.500	0.375	11.35
37504875MB/4617	4.875	5.625	0.375	36.30
37505000MB/4617	5.000	5.750	0.375	37.20
37505250MB/4617	5.250	6.000	0.375	39.10
37505375MB/4617	5.375	6.125	0.375	39.80
37505875MB/4617	5.875	6.625	0.375	43.20
37506000MB/4617	6.000	6.750	0.375	43.95
37506250MB/4617	6.250	7.000	0.375	44.50
37506500MB/4617	6.500	7.250	0.375	45.95
37507000MB/4617	7.000	7.750	0.375	48.75
37507250MB/4617	7.250	8.000	0.375	50.10
37507500MB/4617	7.500	8.250	0.375	51.55
37507750MB/4617	7.750	8.500	0.375	52.95
37509000MB/4617	9.000	9.750	0.375	60.40
37509250MB/4617	9.250	10.000	0.375	61.80
37509750MB/4617	9.750	10.500	0.375	64.90
37510000MB/4617	10.000	10.750	0.375	66.60
37510500MB/4617	10.500	11.250	0.375	69.30
37511000MB/4617	11.000	11.750	0.375	72.35
37511250MB/4617	11.250	12.000	0.375	73.85
7/16" - Cross Section - 0.437"				
43701000MB/4617	1.000	1.875	0.437	10.70
43702125MB/4617	2.125	3.000	0.437	18.65
43705000MB/4617	5.000	5.875	0.437	39.15

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
50002000MB/4617	2.000	3.000	0.500	23.20
50002250MB/4617	2.250	3.250	0.500	25.45
50002375MB/4617	2.375	3.375	0.500	26.60
50002500MB/4617	2.500	3.500	0.500	27.80
50002750MB/4617	2.750	3.750	0.500	30.10
50003000MB/4617	3.000	4.000	0.500	32.35
50003500MB/4617	3.500	4.500	0.500	36.65
50003750MB/4617	3.750	4.750	0.500	39.00
50004000MB/4617	4.000	5.000	0.500	41.60
50004250MB/4617	4.250	5.250	0.500	43.85
50004500MB/4617	4.500	5.500	0.500	46.10
50005000MB/4617	5.000	6.000	0.500	50.70
50005250MB/4617	5.250	6.250	0.500	51.80
50005500MB/4617	5.500	6.500	0.500	55.05
50006000MB/4617	6.000	7.000	0.500	57.85
50006500MB/4617	6.500	7.500	0.500	59.65
50006750MB/4617	6.750	7.750	0.500	61.00
50007000MB/4617	7.000	8.000	0.500	62.40
50007250MB/4617	7.250	8.250	0.500	63.80
50008000MB/4617	8.000	9.000	0.500	69.60
50008500MB/4617	8.500	9.500	0.500	73.50
50009000MB/4617	9.000	10.000	0.500	77.45
50009500MB/4617	9.500	10.500	0.500	81.70
50010000MB/4617	10.000	11.000	0.500	85.95
50010500MB/4617	10.500	11.500	0.500	90.10
50011500MB/4617	11.500	12.500	0.500	98.50
50012000MB/4617	12.000	13.000	0.500	102.70
50013500MB/4617	13.500	14.500	0.500	133.50
50015000MB/4617	15.000	16.000	0.500	162.10
50017000MB/4617	17.000	18.000	0.500	174.95
50019000MB/4617	19.000	20.000	0.500	193.65
50021000MB/4617	21.000	22.000	0.500	212.85
50029000MB/4617	29.000	30.000	0.500	578.60
5/8" - Cross Section - 0.625"				
62502000MB/4617	2.000	3.250	0.625	28.30
62502500MB/4617	2.500	3.750	0.625	33.50
62502750MB/4617	2.750	4.000	0.625	36.20
62503000MB/4617	3.000	4.250	0.625	38.40
62503250MB/4617	3.250	4.500	0.625	40.80
62504750MB/4617	4.750	6.000	0.625	56.50
62506750MB/4617	6.750	8.000	0.625	79.70
62507000MB/4617	7.000	8.250	0.625	82.20

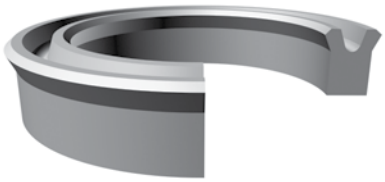
MODULAR BACKUP - AU 65D

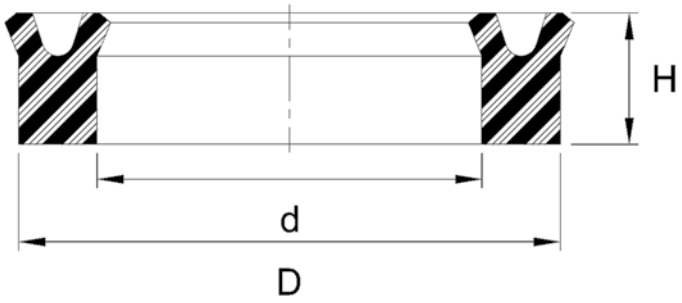
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/8" - Cross Section - 0.625"				
62512750MB/4617	12.750	14.000	0.625	162.25
62530000MB/4617	30.000	31.250	0.625	763.00
3/4" - Cross Section - 0.750"				
75006500MB/4617	6.500	8.000	0.750	88.30
75007500MB/4617	7.500	9.000	0.750	100.60
75008000MB/4617	8.000	9.500	0.750	106.80

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/4" - Cross Section - 0.750"				
75008500MB/4617	8.500	10.000	0.750	112.80
75009812MB/4617	9.812	11.312	0.750	129.50
7/8" - Cross Section - 0.875"				
87536000MB/4617	36.000	37.750	0.875	1885.35

US - Rod/Piston Seals

Hythane





Temperature: -40/212F [-40/100C]

Pressure: 5000 PSI [345 BAR]

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/32" - Cross Section - 0.093"				
US09300562	0.562	0.750	0.093	3.55
1/8" - Cross Section - 0.125"				
US12500046	0.046	0.296	0.125	2.95
US12500093	0.093	0.218	0.125	2.95
US12500250-250	0.250	0.500	0.250	3.60
US12500312	0.312	0.562	0.125	3.25
US12500312-250	0.312	0.562	0.250	3.25
US12500375-250	0.375	0.625	0.250	3.30
US12500437-187	0.437	0.687	0.187	3.35
US12500500	0.500	0.750	0.125	4.35
US12500500-187	0.500	0.750	0.187	3.35

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
US12500500-250	0.500	0.750	0.250	3.35
US12500625	0.625	0.875	0.125	3.55
US12500625-156	0.625	0.875	0.156	3.55
US12500625-187	0.625	0.875	0.187	3.55
US12500625-250	0.625	0.875	0.250	4.45
US12500750	0.750	1.000	0.125	4.65
US12500750-156	0.750	1.000	0.156	3.65
US12500750-187	0.750	1.000	0.187	3.65
US12500812-250	0.812	1.062	0.250	3.70
US12500875-172	0.875	1.125	0.172	3.80
US12500875-250	0.875	1.125	0.250	3.80
US12501000	1.000	1.250	0.125	3.95
US12501000-250	1.000	1.250	0.250	4.35
US12501125-187	1.125	1.375	0.187	4.45

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
US12501125-250	1.125	1.375	0.250	4.10
US12501250	1.250	1.500	0.125	4.65
US12501250-187	1.250	1.500	0.187	4.25
US12501250-250	1.250	1.500	0.250	4.25
US12501375-156	1.375	1.625	0.156	4.45
US12501375-187	1.375	1.625	0.187	4.45
US12501500-156	1.500	1.750	0.156	4.65
US12501500-187	1.500	1.750	0.187	4.65
US12501500-250	1.500	1.750	0.250	4.65
3/16" - Cross Section - 0.187"				
US18700187-312	0.187	0.562	0.312	3.35
US18700250-312	0.250	0.625	0.312	3.35
US18700375	0.375	0.750	0.187	3.35
US18700375-312	0.375	0.750	0.312	3.35
US18700500-250	0.500	0.875	0.250	3.40
US18700500-312	0.500	0.875	0.312	3.40
US18700562	0.562	0.937	0.187	3.40
US18700562-250	0.562	0.937	0.250	3.40
US18700625-250	0.625	1.000	0.250	3.65
US18700625-312	0.625	1.000	0.312	3.65
US18700750-312	0.750	1.125	0.312	3.80
US18700875-250	0.875	1.250	0.250	4.05
US18700875-312	0.875	1.250	0.312	4.05
US18701000	1.000	1.375	0.187	4.20
US18701000-312	1.000	1.375	0.312	4.20
US18701125	1.125	1.500	0.187	4.40
US18701125-250	1.125	1.500	0.250	4.40
US18701250-375	1.250	1.625	0.375	4.50
US18701312-312	1.312	1.687	0.312	4.70
US18701375-312	1.375	1.750	0.312	4.75
US18701500	1.500	1.875	0.187	4.90
US18701500-312	1.500	1.875	0.312	4.90
US18701625	1.625	2.000	0.187	5.80
US18701625-250	1.625	2.000	0.250	5.20
US18701625-280	1.625	2.000	0.280	5.20
US18701625-312	1.625	2.000	0.312	5.20
US18701625-375	1.625	2.000	0.375	5.20
US18701750	1.750	2.125	0.187	5.50
US18701750-250	1.750	2.125	0.250	5.50
US18701750-312	1.750	2.125	0.312	5.50
US18701750-375	1.750	2.125	0.375	5.50

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
US18701875-280	1.875	2.250	0.280	5.80
US18702000-250	2.000	2.375	0.250	6.10
US18702000-280	2.000	2.375	0.280	6.10
US18702000-312	2.000	2.375	0.312	6.10
US18702125	2.125	2.500	0.187	6.60
US18702125-312	2.125	2.500	0.312	7.00
US18702250-312	2.250	2.625	0.312	6.80
US18702500-312	2.500	2.875	0.312	7.35
US18702500-375	2.500	2.875	0.375	7.35
US18702625-375	2.625	3.000	0.375	7.65
US18703000-375	3.000	3.375	0.375	8.55
US18703500-375	3.500	3.875	0.375	10.60
US18703625	3.625	4.000	0.187	11.15
US18703625-250	3.625	4.000	0.250	11.15
US18703625-375	3.625	4.000	0.375	11.15
US18703875-375	3.875	4.250	0.375	12.35
US18704000-375	4.000	4.375	0.375	12.95
US18705000-375	5.000	5.375	0.375	17.70
US18705500-375	5.500	5.875	0.375	20.05
1/4" - Cross Section - 0.250"				
US25000250-312	0.250	0.750	0.312	4.40
US25000312	0.312	0.812	0.250	4.40
US25000312-312	0.312	0.812	0.312	4.40
US25000312-375	0.312	0.812	0.375	4.40
US25000375-312	0.375	0.875	0.312	4.40
US25000562	0.562	1.062	0.250	4.40
US25000625-375	0.625	1.125	0.375	4.40
US25000750	0.750	1.250	0.250	4.40
US25000750-375	0.750	1.250	0.375	4.40
US25001000	1.000	1.500	0.250	4.90
US25001000-375	1.000	1.500	0.375	4.90
US25001125	1.125	1.625	0.250	5.00
US25001187	1.187	1.687	0.250	5.50
US25001250	1.250	1.750	0.250	4.75
US25001250-375	1.250	1.750	0.375	4.75
US25001375-375	1.375	1.875	0.375	5.15
US25001500-312	1.500	2.000	0.312	5.55
US25001500-375	1.500	2.000	0.375	5.55
US25001750-375	1.250	2.250	0.375	6.60
US25002000-375	2.000	2.500	0.375	6.70
US25002250-375	2.250	2.750	0.375	7.50

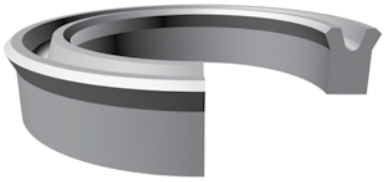
US SERIES - AU 92A

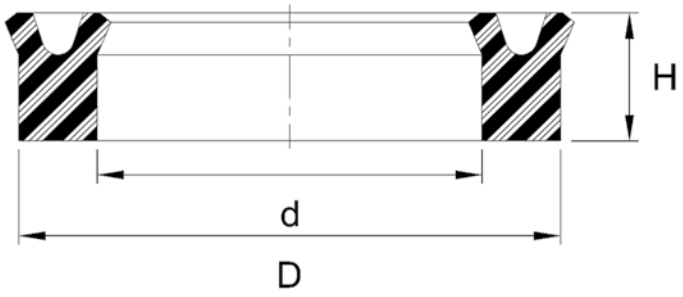
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
US25002375-375	2.375	2.875	0.375	7.85
US25002500-312	2.500	3.000	0.312	8.30
US25002500-375	2.500	3.000	0.375	8.30
US25002750	2.750	3.250	0.250	9.05
US25002750-375	2.750	3.250	0.375	9.05
US25003000-375	3.000	3.500	0.375	9.70
US25003250-375	3.250	3.750	0.375	10.40
US25003500-375	3.500	4.000	0.375	11.15
US25003750-375	3.750	4.250	0.375	11.85
US25004000-375	4.000	4.500	0.375	12.85
US25004125-562	4.125	4.625	0.562	13.25
US25004250-562	4.250	4.750	0.562	13.90
US25004500-375	4.500	5.000	0.375	15.00
US25004500-562	4.500	5.000	0.562	15.00
US25004750-375	4.750	5.250	0.375	15.70
US25005000-375	5.000	5.500	0.375	16.95
US25005500-375	5.500	6.000	0.375	20.10
US25005750-562	5.750	6.250	0.562	21.15
US25006000-562	6.000	6.500	0.562	22.60
US25006500-562	6.500	7.000	0.562	23.70
US25007500	7.500	8.000	0.250	27.80
US25007500-562	7.500	8.000	0.562	27.80
US25009500	9.500	10.000	0.250	35.80
5/16" - Cross Section - 0.312"				
US31201250-375	1.250	1.875	0.375	5.65
US31201375	1.375	2.000	0.312	5.90
US31201500	1.500	2.250	0.312	7.00
US31201750	1.750	2.375	0.312	7.25
US31201875	1.875	2.500	0.312	7.65
US31201875-500	1.875	2.500	0.500	7.65
US31202000-375	2.000	2.625	0.375	8.05
US31202250-500	2.250	2.875	0.500	8.90
US31202500-375	2.500	3.125	0.375	9.60
US31202625-500	2.625	3.250	0.500	10.00
US31203125-500	3.125	3.750	0.500	11.75
US31203375-375	3.375	4.000	0.375	12.50
US31203875-500	3.875	4.500	0.500	14.35
US31204375-375	4.375	5.000	0.375	16.15
US31204375-562	4.375	5.000	0.562	16.15
US31205250-500	5.250	5.875	0.500	20.60
US31205375-375	5.375	6.000	0.375	21.25

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/16" - Cross Section - 0.312"				
US31205375-625	5.375	6.000	0.625	21.25
US31205625-625	5.625	6.250	0.625	21.25
US31207375	7.375	8.000	0.312	30.65
3/8" - Cross Section - 0.375"				
US37502250-625	2.250	3.000	0.625	12.15
US37502750	2.750	3.500	0.375	14.45
US37502750-625	2.750	3.500	0.625	14.45
US37503250	3.250	4.000	0.375	16.75
US37503250-437	3.250	4.000	0.437	16.75
US37503250-625	3.250	4.000	0.625	16.75
US37503750	3.750	4.500	0.375	19.15
US37504000-500	4.000	4.750	0.500	20.30
US37504000-625	4.000	4.750	0.625	20.30
US37504250	4.250	5.000	0.375	21.20
US37504250-500	4.250	5.000	0.500	21.20
US37504250-596	4.250	5.000	0.596	21.20
US37504250-625	4.250	5.000	0.625	21.20
US37504250-750	4.250	5.000	0.750	21.20
US37504500-500	4.500	5.250	0.500	22.30
US37504750-625	4.750	5.500	0.625	23.30
US37505000-500	5.000	5.750	0.500	25.20
US37505250	5.250	6.000	0.375	25.45
US37505750-500	5.750	6.500	0.500	27.40
US37506250	6.250	7.000	0.375	28.95
US37506250-625	6.250	7.000	0.625	28.95
US37506750-500	6.750	7.500	0.500	31.05
US37507500-500	7.500	8.250	0.500	34.05
1/2" - Cross Section - 0.500"				
US50004000-625	4.000	5.000	0.625	31.15
US50007000-750	7.000	8.000	0.750	40.60
5/8" - Cross Section - 0.625"				
US62504250-750	4.250	5.500	0.750	33.65
US62505250-750	5.250	6.500	0.750	43.20

US/HD - Rod/Piston Seals

Polyurethane AU 92A





Temperature: -40/212F [-40/100C]

Pressure: 6000 PSI [415 BAR]

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
US12500125/HD	0.125	0.375	0.125	5.60
US12500125-187/HD	0.125	0.375	0.187	5.65
US12500125-250/HD	0.125	0.375	0.250	5.60
US12500187/HD	0.187	0.437	0.125	5.70
US12500187-187/HD	0.187	0.437	0.187	5.70
US12500187-250/HD	0.187	0.437	0.250	5.70
US12500250/HD	0.250	0.500	0.125	5.65
US12500250-187/HD	0.250	0.500	0.187	5.65
US12500250-250/HD	0.250	0.500	0.250	5.70
US12500312/HD	0.312	0.562	0.125	5.85
US12500312-187/HD	0.312	0.562	0.187	5.85
US12500312-250/HD	0.312	0.562	0.250	5.90
US12500375/HD	0.375	0.625	0.125	5.95
US12500375-187/HD	0.375	0.625	0.187	6.10
US12500375-250/HD	0.375	0.625	0.250	6.10
US12500437/HD	0.437	0.687	0.125	5.65
US12500437-187/HD	0.437	0.687	0.187	6.60
US12500437-250/HD	0.437	0.687	0.250	6.75
US12500500/HD	0.500	0.750	0.125	6.15
US12500500-187/HD	0.500	0.750	0.187	6.30
US12500500-250/HD	0.500	0.750	0.250	6.30
US12500562/HD	0.562	0.812	0.125	6.40
US12500562-187/HD	0.562	0.812	0.187	6.40
US12500562-250/HD	0.562	0.812	0.250	6.50
US12500625/HD	0.625	0.875	0.125	6.60
US12500625-187/HD	0.625	0.875	0.187	6.60
US12500625-250/HD	0.625	0.875	0.250	6.60
US12500687/HD	0.687	0.937	0.125	6.75
US12500750/HD	0.750	1.000	0.125	6.75
US12500750-160/HD	0.750	1.000	0.160	6.75
US12500750-187/HD	0.750	1.000	0.187	6.80
US12500750-250/HD	0.750	1.000	0.250	6.80
US12500812/HD	0.812	1.062	0.125	6.50
US12500812-250/HD	0.812	1.062	0.250	7.00

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/8" - Cross Section - 0.125"				
US12500875/HD	0.875	1.125	0.125	6.85
US12500875-172/HD	0.875	1.125	0.172	6.85
US12500875-187/HD	0.875	1.125	0.187	7.05
US12500875-250/HD	0.875	1.125	0.250	7.00
US12500937/HD	0.937	1.187	0.125	5.90
US12500937-160/HD	0.937	1.187	0.160	7.00
US12500937-187/HD	0.937	1.187	0.187	7.05
US12500937-250/HD	0.937	1.187	0.250	7.05
US12501000/HD	1.000	1.250	0.125	7.30
US12501000-156/HD	1.000	1.250	0.156	7.45
US12501000-187/HD	1.000	1.250	0.187	7.45
US12501000-250/HD	1.000	1.250	0.250	7.45
US12501125-250/HD	1.125	1.375	0.250	7.65
US12501250-250/HD	1.250	1.500	0.250	7.95
US12501312-250/HD	1.312	1.562	0.250	8.15
US12501375-250/HD	1.375	1.625	0.250	8.35
US12501500-250/HD	1.500	1.750	0.250	9.60
5/32" - Cross Section - 0.156"				
US15600187-187/HD	0.187	0.500	0.187	5.85
3/16" - Cross Section - 0.187"				
US18700250/HD	0.250	0.625	0.187	5.90
US18700250-250/HD	0.250	0.625	0.250	5.95
US18700250-312/HD	0.250	0.625	0.312	6.15
US18700375/HD	0.375	0.750	0.187	6.10
US18700375-250/HD	0.375	0.750	0.250	6.15
US18700375-312/HD	0.375	0.750	0.312	6.15
US18700437-250/HD	0.437	0.812	0.250	6.40
US18700500/HD	0.500	0.875	0.187	6.60

US/HD SERIES - AU 92A

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
US18700500-250/HD	0.500	0.875	0.250	6.65
US18700500-312/HD	0.500	0.875	0.312	6.75
US18700562/HD	0.562	0.937	0.187	6.75
US18700562-312/HD	0.562	0.937	0.312	6.15
US18700625/HD	0.625	1.000	0.187	6.80
US18700625-250/HD	0.625	1.000	0.250	6.85
US18700625-312/HD	0.625	1.000	0.312	6.85
US18700687-312/HD	0.687	1.062	0.312	6.85
US18700750/HD	0.750	1.125	0.187	6.80
US18700750-250/HD	0.750	1.125	0.250	7.05
US18700750-312/HD	0.750	1.125	0.312	7.05
US18700812-250/HD	0.812	1.187	0.250	7.00
US18700875/HD	0.875	1.250	0.187	6.80
US18700875-250/HD	0.875	1.250	0.250	7.05
US18700875-312/HD	0.875	1.250	0.312	7.30
US18700875-375/HD	0.875	1.250	0.375	7.50
US18700937/HD	0.937	1.312	0.187	7.05
US18700937-312/HD	0.937	1.312	0.312	7.45
US18701000/HD	1.000	1.375	0.187	6.65
US18701000-250/HD	1.000	1.375	0.250	7.30
US18701000-312/HD	1.000	1.375	0.312	7.80
US18701062-250/HD	1.062	1.437	0.250	7.50
US18701062-312/HD	1.062	1.437	0.312	8.05
US18701125-250/HD	1.125	1.500	0.250	7.65
US18701125-312/HD	1.125	1.500	0.312	8.15
US18701187-312/HD	1.187	1.562	0.312	8.35
US18701250-187/HD	1.250	1.625	0.187	7.65
US18701250-250/HD	1.250	1.625	0.250	7.90
US18701250-312/HD	1.250	1.625	0.312	8.40
US18701312-312/HD	1.312	1.687	0.312	8.60
US18701375-250/HD	1.375	1.750	0.250	8.45
US18701375-312/HD	1.375	1.750	0.312	8.90
US18701437-250/HD	1.437	1.812	0.250	8.60
US18701437-312/HD	1.437	1.812	0.312	8.95
US18701500-250/HD	1.500	1.875	0.250	8.45
US18701500-312/HD	1.500	1.875	0.312	8.95
US18701500-375/HD	1.500	1.875	0.375	9.05
US18701625-312/HD	1.625	2.000	0.312	9.50
US18701625-375/HD	1.625	2.000	0.375	9.60
US18701750-312/HD	1.750	2.125	0.312	9.75
US18701750-375/HD	1.750	2.125	0.375	9.90
US18701875-312/HD	1.875	2.250	0.312	10.00
US18701875-375/HD	1.875	2.250	0.375	10.45
US18702000-281/HD	2.000	2.375	0.281	11.15

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/16" - Cross Section - 0.187"				
US18702000-312/HD	2.000	2.375	0.312	11.35
US18702000-375/HD	2.000	2.375	0.375	11.80
US18702125-250/HD	2.125	2.500	0.250	11.20
US18702125-312/HD	2.125	2.500	0.312	12.00
US18702125-375/HD	2.125	2.500	0.375	12.20
US18702250/HD	2.250	2.625	0.187	12.05
US18702250-312/HD	2.250	2.625	0.312	12.30
US18702250-375/HD	2.250	2.625	0.375	12.95
US18702375-375/HD	2.375	2.750	0.375	13.20
US18702500-250/HD	2.500	2.875	0.250	13.65
US18702500-375/HD	2.500	2.875	0.375	13.65
US18702625-250/HD	2.625	3.000	0.250	13.90
US18702625-281/HD	2.625	3.000	0.281	13.90
US18702625-312/HD	2.625	3.000	0.312	14.10
US18702625-375/HD	2.625	3.000	0.375	14.15
US18702875/HD	2.875	3.250	0.187	16.45
US18702875-250/HD	2.875	3.250	0.250	15.55
US18702875-375/HD	2.875	3.250	0.375	16.35
US18703000-375/HD	3.000	3.375	0.375	15.75
US18703125-375/HD	3.125	3.500	0.375	16.70
US18703250-375/HD	3.250	3.625	0.375	17.60
US18703375-375/HD	3.375	3.750	0.375	18.60
US18703500-375/HD	3.500	3.875	0.375	19.60
US18703625-375/HD	3.625	4.000	0.375	20.70
US18703750-375/HD	3.750	4.125	0.375	21.80
US18703875-375/HD	3.875	4.250	0.375	28.65
US18704375-375/HD	4.375	4.750	0.375	27.35
US18704500-375/HD	4.500	4.875	0.375	28.55
US18705375-375/HD	5.375	5.750	0.375	35.15
7/32" - Cross Section - 0.218"				
US21803000-375/HD	3.000	3.437	0.375	21.85
1/4" - Cross Section - 0.250"				
US25000250/HD	0.250	0.750	0.250	7.50
US25000250-312/HD	0.250	0.750	0.312	7.80
US25000250-375/HD	0.250	0.750	0.375	8.15
US25000312/HD	0.312	0.812	0.250	7.50
US25000375/HD	0.375	0.875	0.250	7.50
US25000375-312/HD	0.375	0.875	0.312	7.75

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
US25000375-375/HD	0.375	0.875	0.375	7.90
US25000500/HD	0.500	1.000	0.250	7.50
US25000500-312/HD	0.500	1.000	0.312	7.80
US25000500-375/HD	0.500	1.000	0.375	7.30
US25000625/HD	0.625	1.125	0.250	7.65
US25000625-375/HD	0.625	1.125	0.375	7.95
US25000687/HD	0.687	1.187	0.250	7.50
US25000687-375/HD	0.687	1.187	0.375	7.95
US25000750/HD	0.750	1.250	0.250	7.50
US25000750-375/HD	0.750	1.250	0.375	8.15
US25000812/HD	0.812	1.312	0.250	7.50
US25000812-375/HD	0.812	1.312	0.375	7.95
US25000875/HD	0.875	1.375	0.250	7.50
US25000875-312/HD	0.875	1.375	0.312	8.15
US25000875-375/HD	0.875	1.375	0.375	8.40
US25000937/HD	0.937	1.437	0.250	7.80
US25001000/HD	1.000	1.500	0.250	7.80
US25001000-312/HD	1.000	1.500	0.312	8.20
US25001000-375/HD	1.000	1.500	0.375	8.60
US25001125/HD	1.125	1.625	0.250	7.95
US25001125-281/HD	1.125	1.625	0.281	8.35
US25001125-312/HD	1.125	1.625	0.312	8.45
US25001125-375/HD	1.125	1.625	0.375	8.70
US25001187/HD	1.187	1.687	0.250	7.95
US25001187-312/HD	1.187	1.687	0.312	8.45
US25001187-375/HD	1.187	1.687	0.375	8.15
US25001250/HD	1.250	1.750	0.250	8.15
US25001250-312/HD	1.250	1.750	0.312	8.45
US25001250-375/HD	1.250	1.750	0.375	8.80
US25001312-375/HD	1.312	1.812	0.375	9.25
US25001375-312/HD	1.375	1.875	0.312	9.35
US25001375-375/HD	1.375	1.875	0.375	9.55
US25001500/HD	1.500	2.000	0.250	9.35
US25001500-312/HD	1.500	2.000	0.312	10.00
US25001500-375/HD	1.500	2.000	0.375	10.25
US25001625-375/HD	1.625	2.125	0.375	10.75
US25001750/HD	1.750	2.250	0.250	10.55
US25001750-312/HD	1.750	2.250	0.312	11.05
US25001750-375/HD	1.750	2.250	0.375	11.35
US25002000/HD	2.000	2.500	0.250	11.35
US25002000-375/HD	2.000	2.500	0.375	12.45
US25002125-312/HD	2.125	2.625	0.312	12.95
US25002125-375/HD	2.125	2.625	0.375	13.20
US25002250-312/HD	2.250	2.750	0.312	13.65

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
US25002250-375/HD	2.250	2.750	0.375	13.90
US25002375-375/HD	2.375	2.875	0.375	14.65
US25002500/HD	2.500	3.000	0.250	13.65
US25002500-312/HD	2.500	3.000	0.312	14.35
US25002500-375/HD	2.500	3.000	0.375	15.30
US25002625/HD	2.625	3.125	0.250	16.15
US25002625-375/HD	2.625	3.125	0.375	16.00
US25002750-375/HD	2.750	3.250	0.375	17.05
US25002875-375/HD	2.875	3.375	0.375	17.40
US25003000/HD	3.000	3.500	0.250	17.15
US25003000-375/HD	3.000	3.500	0.375	18.05
US25003250-375/HD	3.250	3.750	0.375	19.40
US25003375-375/HD	3.375	3.875	0.375	20.10
US25003500/HD	3.500	4.000	0.250	18.30
US25003500-312/HD	3.500	4.000	0.312	19.85
US25003500-375/HD	3.500	4.000	0.375	20.90
US25003625-375/HD	3.625	4.125	0.375	21.40
US25003750-375/HD	3.750	4.250	0.375	22.10
US25004000-312/HD	4.000	4.500	0.312	22.05
US25004000-500/HD	4.000	4.500	0.500	22.80
US25004000-562/HD	4.000	4.500	0.562	23.30
US25004125-562/HD	4.125	4.625	0.562	24.85
US25004250-562/HD	4.250	4.750	0.562	25.95
US25004500-500/HD	4.500	5.000	0.500	28.35
US25004500-562/HD	4.500	5.000	0.562	28.80
US25004750-375/HD	4.750	5.250	0.375	29.45
US25004750-562/HD	4.750	5.250	0.562	29.70
US25005250-562/HD	5.250	5.750	0.562	34.75
US25005625-375/HD	5.625	6.125	0.375	36.95
US25005750-625/HD	5.750	6.250	0.625	39.40
US25005875-562/HD	5.875	6.375	0.562	40.20
US25006000-375/HD	6.000	6.500	0.375	41.10
US25006000-562/HD	6.000	6.500	0.562	41.10
US25006250-500/HD	6.250	6.750	0.500	40.90
US25006250-562/HD	6.250	6.750	0.562	42.40
US25006500-375/HD	6.500	7.000	0.375	44.05
US25006500-500/HD	6.500	7.000	0.500	44.05
US25006500-562/HD	6.500	7.000	0.562	44.05
US25006750-562/HD	6.750	7.250	0.562	45.95
US25007000-562/HD	7.000	7.500	0.562	47.90
US25007250-562/HD	7.250	7.750	0.562	51.55
US25007500-562/HD	7.500	8.000	0.562	52.55
US25007750-562/HD	7.750	8.250	0.562	53.35
US25008000-562/HD	8.000	8.500	0.562	55.30

US/HD SERIES - AU 92A

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/4" - Cross Section - 0.250"				
US25008500-375/HD	8.500	9.000	0.375	55.65
US25008500-562/HD	8.500	9.000	0.562	59.05
5/16" - Cross Section - 0.312"				
US31201250/HD	1.250	1.875	0.312	9.55
US31201250-375/HD	1.250	1.875	0.375	9.80
US31201375/HD	1.375	2.000	0.312	10.15
US31201375-375/HD	1.375	2.000	0.375	10.75
US31201500-375/HD	1.500	2.125	0.375	11.30
US31201500-437/HD	1.500	2.125	0.437	11.80
US31201500-500/HD	1.500	2.125	0.500	12.20
US31201625/HD	1.625	2.250	0.312	11.60
US31201625-375/HD	1.625	2.250	0.375	12.00
US31201750-375/HD	1.750	2.375	0.375	12.35
US31201750-437/HD	1.750	2.375	0.437	12.50
US31201750-500/HD	1.750	2.375	0.500	13.45
US31201875-375/HD	1.875	2.500	0.375	13.60
US31201875-437/HD	1.875	2.500	0.437	13.85
US31201875-500/HD	1.875	2.500	0.500	14.15
US31201875-625/HD	1.875	2.500	0.625	21.90
US31202000/HD	2.000	2.625	0.312	11.35
US31202000-375/HD	2.000	2.625	0.375	14.55
US31202000-500/HD	2.000	2.625	0.500	15.00
US31202125-312/HD	2.125	2.750	0.312	15.70
US31202125-375/HD	2.125	2.750	0.375	15.75
US31202250/HD	2.250	2.875	0.312	16.15
US31202250-375/HD	2.250	2.875	0.375	16.40
US31202250-500/HD	2.250	2.875	0.500	16.45
US31202375/HD	2.375	3.000	0.312	16.40
US31202375-375/HD	2.375	3.000	0.375	16.45
US31202375-437/HD	2.375	3.000	0.437	16.70
US31202375-500/HD	2.375	3.000	0.500	17.15
US31202500/HD	2.500	3.125	0.312	17.05
US31202500-375/HD	2.500	3.125	0.375	17.40
US31202500-500/HD	2.500	3.125	0.500	17.80
US31202625-375/HD	2.625	3.250	0.375	18.05
US31202625-500/HD	2.625	3.250	0.500	18.45
US31202750-375/HD	2.750	3.375	0.375	18.75
US31202875-375/HD	2.875	3.500	0.375	19.45
US31202875-500/HD	2.875	3.500	0.500	20.10
US31203000-375/HD	3.000	3.625	0.375	20.35
US31203000-500/HD	3.000	3.625	0.500	20.95

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
5/16" - Cross Section - 0.312"				
US31203125/HD	3.125	3.750	0.312	21.65
US31203125-375/HD	3.125	3.750	0.375	22.05
US31203125-500/HD	3.125	3.750	0.500	22.35
US31203500-375/HD	3.500	4.125	0.375	23.55
US31203500-500/HD	3.500	4.125	0.500	24.15
US31203625-375/HD	3.625	4.250	0.375	24.35
US31203625-500/HD	3.625	4.250	0.500	25.05
US31203875-375/HD	3.875	4.500	0.375	25.40
US31203875-500/HD	3.875	4.500	0.500	26.65
US31204000-375/HD	4.000	4.625	0.375	27.10
US31204000-562/HD	4.000	4.625	0.562	27.45
US31204125-500/HD	4.125	4.750	0.500	28.00
US31204125-562/HD	4.125	4.750	0.562	28.10
US31204375-375/HD	4.375	5.000	0.375	29.95
US31204375-500/HD	4.375	5.000	0.500	29.95
US31204375-562/HD	4.375	5.000	0.562	29.95
US31204500-375/HD	4.500	5.125	0.375	29.45
US31204500-625/HD	4.500	5.125	0.625	30.85
US31204750-500/HD	4.750	5.375	0.500	33.95
US31204750-625/HD	4.750	5.375	0.625	34.50
US31204875-375/HD	4.875	5.500	0.375	35.05
US31204875-500/HD	4.875	5.500	0.500	35.65
US31205125-625/HD	5.125	5.750	0.625	36.95
US31205250-375/HD	5.250	5.875	0.375	37.15
US31205250-500/HD	5.250	5.875	0.500	37.45
US31205375-375/HD	5.375	6.000	0.375	38.20
US31205375-500/HD	5.375	6.000	0.500	38.70
US31205375-625/HD	5.375	6.000	0.625	39.50
US31205500-375/HD	5.500	6.125	0.375	38.60
US31205500-625/HD	5.500	6.125	0.625	40.80
US31205625-625/HD	5.625	6.250	0.625	41.70
US31205875-375/HD	5.875	6.500	0.375	45.35
US31205875-562/HD	5.875	6.500	0.562	46.75
11/32" - Cross Section - 0.343"				
US34302000-500/HD	2.000	2.687	0.500	19.30
3/8" - Cross Section - 0.375"				
US37501250/HD	1.250	2.000	0.375	13.00
US37501250-437/HD	1.250	2.000	0.437	13.50

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
US37501250-500/HD	1.250	2.000	0.500	13.85
US37501500/HD	1.500	2.250	0.375	14.65
US37501500-500/HD	1.500	2.250	0.500	15.05
US37501625/HD	1.625	2.375	0.375	15.75
US37501625-500/HD	1.625	2.375	0.500	16.00
US37501625-625/HD	1.625	2.375	0.625	17.05
US37501750/HD	1.750	2.500	0.375	16.85
US37501750-500/HD	1.750	2.500	0.500	17.40
US37501750-594/HD	1.750	2.500	0.594	17.80
US37501750-625/HD	1.750	2.500	0.625	18.15
US37502000/HD	2.000	2.750	0.375	18.40
US37502000-500/HD	2.000	2.750	0.500	20.30
US37502000-625/HD	2.000	2.750	0.625	20.30
US37502250/HD	2.250	3.000	0.375	20.65
US37502250-326/HD	2.250	3.000	0.326	20.30
US37502250-437/HD	2.250	3.000	0.437	20.95
US37502250-500/HD	2.250	3.000	0.500	21.40
US37502250-625/HD	2.250	3.000	0.625	20.30
US37502500/HD	2.500	3.250	0.375	22.15
US37502500-500/HD	2.500	3.250	0.500	23.10
US37502500-625/HD	2.500	3.250	0.625	24.65
US37502625/HD	2.625	3.375	0.375	23.30
US37502625-500/HD	2.625	3.375	0.500	21.40
US37502625-625/HD	2.625	3.375	0.625	26.00
US37502750/HD	2.750	3.500	0.375	23.55
US37502750-440/HD	2.750	3.500	0.440	25.10
US37502750-500/HD	2.750	3.500	0.500	25.25
US37502750-625/HD	2.750	3.500	0.625	26.60
US37503000/HD	3.000	3.750	0.375	26.20
US37503000-500/HD	3.000	3.750	0.500	27.85
US37503000-625/HD	3.000	3.750	0.625	28.80
US37503250/HD	3.250	4.000	0.375	27.35
US37503250-500/HD	3.250	4.000	0.500	28.50
US37503250-625/HD	3.250	4.000	0.625	29.20
US37503500/HD	3.500	4.250	0.375	30.20
US37503500-437/HD	3.500	4.250	0.437	30.75
US37503500-500/HD	3.500	4.250	0.500	31.20
US37503500-625/HD	3.500	4.250	0.625	33.10
US37503750/HD	3.750	4.500	0.375	28.10
US37503750-500/HD	3.750	4.500	0.500	32.45
US37503750-625/HD	3.750	4.500	0.625	34.90
US37503875/HD	3.875	4.625	0.375	33.25
US37504000/HD	4.000	4.750	0.375	34.20
US37504000-437/HD	4.000	4.750	0.437	35.15

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
3/8" - Cross Section - 0.375"				
US37504000-500/HD	4.000	4.750	0.500	36.40
US37504000-625/HD	4.000	4.750	0.625	37.65
US37504125-500/HD	4.125	4.875	0.500	37.80
US37504125-625/HD	4.125	4.875	0.625	38.55
US37504250-500/HD	4.250	5.000	0.500	38.55
US37504250-625/HD	4.250	5.000	0.625	38.70
US37504500-500/HD	4.500	5.250	0.500	40.20
US37504500-625/HD	4.500	5.250	0.625	41.35
US37504625-500/HD	4.625	5.375	0.500	41.75
US37504750-500/HD	4.750	5.500	0.500	43.30
US37504750-625/HD	4.750	5.500	0.625	43.30
US37504875-500/HD	4.875	5.625	0.500	43.90
US37504875-625/HD	4.875	5.625	0.625	44.30
US37505250/HD	5.250	6.000	0.375	46.25
US37505250-500/HD	5.250	6.000	0.500	47.30
US37505250-625/HD	5.250	6.000	0.625	47.30
US37505375-500/HD	5.375	6.125	0.500	47.65
US37505375-625/HD	5.375	6.125	0.625	48.20
US37505500/HD	5.500	6.250	0.375	46.75
US37505500-500/HD	5.500	6.250	0.500	48.20
US37505625-625/HD	5.625	6.375	0.625	49.70
US37505750-500/HD	5.750	6.500	0.500	50.85
US37505750-625/HD	5.750	6.500	0.625	51.85
US37506250-500/HD	6.250	7.000	0.500	54.55
US37506250-625/HD	6.250	7.000	0.625	54.80
US37506375-625/HD	6.375	7.125	0.625	55.50
US37506500-500/HD	6.500	7.250	0.500	55.70
US37506500-625/HD	6.500	7.250	0.625	55.70
US37506750-500/HD	6.750	7.500	0.500	57.80
US37507000-500/HD	7.000	7.750	0.500	59.60
US37507000-625/HD	7.000	7.750	0.625	59.60
US37507250-500/HD	7.250	8.000	0.500	60.55
US37507250-625/HD	7.250	8.000	0.625	62.30
US37507500-500/HD	7.500	8.250	0.500	62.75
US37507500-625/HD	7.500	8.250	0.625	63.30
US37507750-500/HD	7.750	8.500	0.500	65.10
US37507750-625/HD	7.750	8.500	0.625	65.10
US37508000-500/HD	8.000	8.750	0.500	67.05
US37508250-500/HD	8.250	9.000	0.500	72.20
US37509000-625/HD	9.000	9.750	0.625	84.55
US37509750-500/HD	9.750	10.500	0.500	101.85
US37514250-500/HD	14.250	15.000	0.500	188.15
US37514250-625/HD	14.250	15.000	0.625	189.85

US/HD SERIES - AU 92A

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
US50002500-687/HD	2.500	3.500	0.687	29.15
US50003000-656/HD	3.000	4.000	0.656	33.35
US50003500/HD	3.500	4.500	0.500	35.15
US50003500-625/HD	3.500	4.500	0.625	43.55
US50003500-656/HD	3.500	4.500	0.656	45.45
US50004000-656/HD	3.000	4.000	0.656	33.35
US50004000-750/HD	4.000	5.000	0.750	48.55
US50004500/HD	4.500	5.500	0.500	49.80
US50006000-625/HD	6.000	7.000	0.625	66.20
US50006000-750/HD	6.000	7.000	0.750	68.70
US50006500/HD	6.500	7.500	0.500	66.90
US50006500-750/HD	6.500	7.500	0.750	70.60
US50007000-625/HD	7.000	8.000	0.625	76.55
US50007500-750/HD	7.500	8.500	0.750	80.55
US50007750-750/HD	7.750	8.750	0.750	83.25
US50008000-625/HD	8.000	9.000	0.625	76.25
US50008000-750/HD	8.000	9.000	0.750	85.85
US50008500-594/HD	8.500	9.500	0.594	89.75
US50009000-625/HD	9.000	10.000	0.625	92.05
US50009000-750/HD	9.000	10.000	0.750	95.45

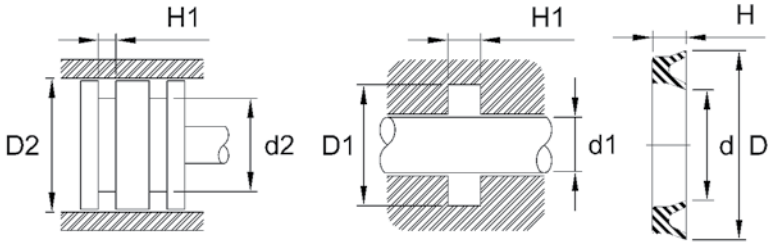
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
1/2" - Cross Section - 0.500"				
US50010000-625/HD	10.000	11.000	0.625	104.85
US50010000-750/HD	10.000	11.000	0.750	106.15
US50011000-594/HD	11.000	12.000	0.594	140.45
US50011000-750/HD	11.000	12.000	0.750	150.80
US50012000-750/HD	12.000	13.000	0.750	172.65
US50015000-562/HD	15.000	16.000	0.562	257.15
US50015000-625/HD	15.000	16.000	0.625	264.25
US50015000-750/HD	15.000	16.000	0.750	272.45
US50017000-750/HD	17.000	18.000	0.750	293.30
5/8" - Cross Section - 0.625"				
US62503750/HD	3.750	5.000	0.625	44.30
3/4" - Cross Section - 0.750"				
US75012500-1000/HD	12.500	14.000	1.000	172.00



AN6226 - Rod/Piston Seals

Nitrile NBR 80A
FPM 90A



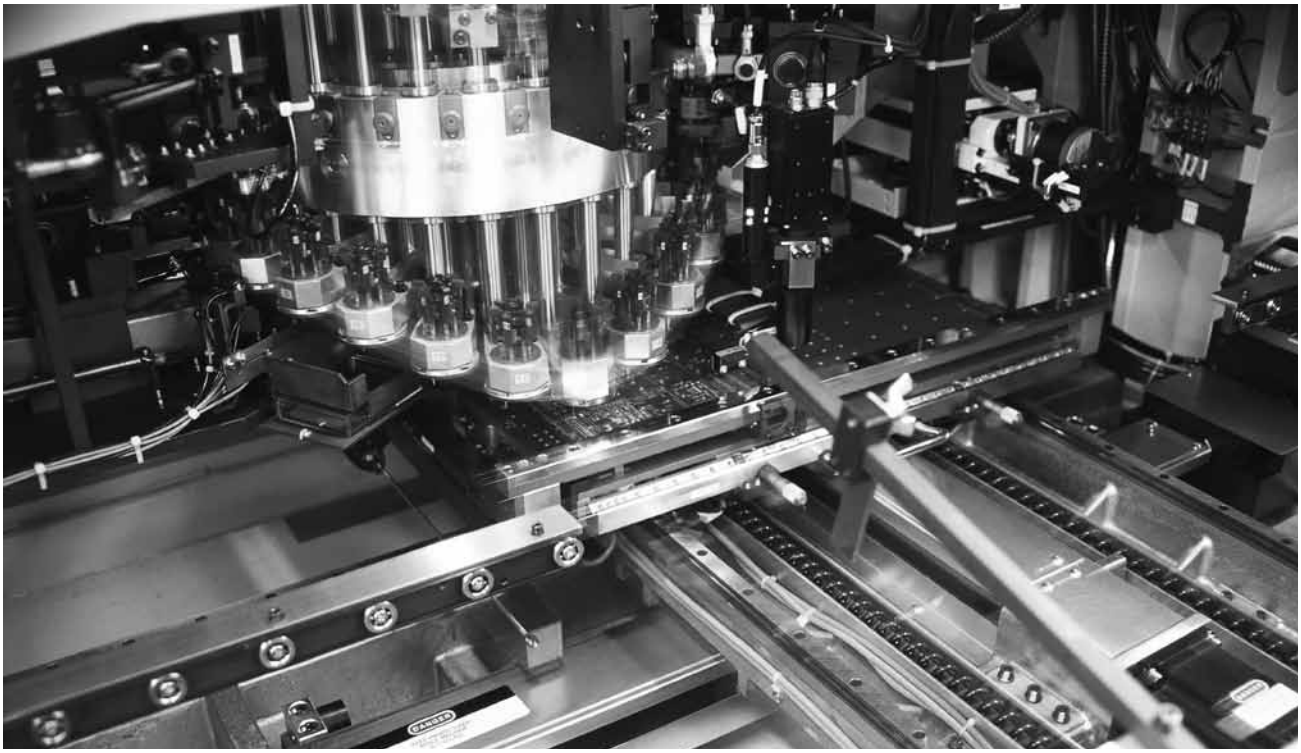


NBR: Temperature: -40/250F [-40/121C] Pressure: 800 PSI [55 BAR]
FPM: Temperature: -20/400F [-28/204C] Pressure: 800 PSI [55 BAR]

Ref. Number	Nominal Seal Dimensions			Housing Dimensions								$ NBR	$ FPM
				Rod Diameter/Piston Groove			Gland Diameter/Cylinder Bore			Groove Width			
				Rod		Groove	Gland		Cyl.Bore				
	d	D	H	DIM.	d1 - Tol.	d2 - Tol.	DIM.	D1 - Tol.	D2 - Tol.	H1	Tol.		/V
AN6226-01	0.125	0.500	0.187	0.125	+.000 / -.001	+.000 / -.002	0.500	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.65	6.60
AN6226-02	0.187	0.562	0.187	0.187	+.000 / -.001	+.000 / -.002	0.562	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.65	6.65
AN6226-03	0.250	0.625	0.187	0.250	+.000 / -.001	+.000 / -.002	0.625	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.75	6.65
AN6226-04	0.312	0.687	0.187	0.315	+.000 / -.001	+.000 / -.002	0.687	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.75	6.70
AN6226-05	0.375	0.750	0.187	0.375	+.000 / -.001	+.000 / -.002	0.750	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.75	6.70
AN6226-06	0.437	0.812	0.187	0.437	+.000 / -.001	+.000 / -.002	0.812	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.75	6.75
AN6226-07	0.500	0.875	0.187	0.500	+.000 / -.001	+.000 / -.002	0.875	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.75	6.80
AN6226-08	0.250	0.750	0.250	0.250	+.000 / -.002	+.000 / -.003	0.750	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	1.85	7.20
AN6226-09	0.312	0.812	0.250	0.312	+.000 / -.002	+.000 / -.003	0.812	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	1.90	7.45
AN6226-10	0.375	0.875	0.250	0.375	+.000 / -.002	+.000 / -.003	0.875	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	1.95	7.65
AN6226-11	0.437	0.937	0.250	0.437	+.000 / -.002	+.000 / -.003	0.937	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.10	7.90
AN6226-12	0.500	1.000	0.250	0.500	+.000 / -.002	+.000 / -.003	1.000	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.10	8.15
AN6226-13	0.562	1.062	0.250	0.562	+.000 / -.002	+.000 / -.003	1.062	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.10	8.30
AN6226-14	0.625	1.125	0.250	0.625	+.000 / -.002	+.000 / -.003	1.125	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.15	8.35
AN6226-15	0.687	1.187	0.250	0.687	+.000 / -.002	+.000 / -.003	1.187	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.15	8.45
AN6226-16	0.750	1.250	0.250	0.750	+.000 / -.002	+.000 / -.003	1.250	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.20	8.60
AN6226-17	0.812	1.312	0.250	0.812	+.000 / -.002	+.000 / -.003	1.312	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.20	8.65
AN6226-18	0.875	1.375	0.250	0.875	+.000 / -.002	+.000 / -.003	1.375	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.20	8.70
AN6226-19	0.937	1.437	0.250	0.937	+.000 / -.002	+.000 / -.003	1.437	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.20	8.75
AN6226-20	1.000	1.500	0.250	1.000	+.000 / -.002	+.000 / -.003	1.500	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.25	8.80
AN6226-21	1.062	1.562	0.250	1.062	+.000 / -.002	+.000 / -.003	1.562	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.25	8.90
AN6226-22	1.125	1.625	0.250	1.125	+.000 / -.002	+.000 / -.003	1.625	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.25	8.95
AN6226-23	1.187	1.687	0.250	1.187	+.000 / -.002	+.000 / -.003	1.687	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.25	9.00
AN6226-24	1.250	1.750	0.250	1.250	+.000 / -.002	+.000 / -.003	1.750	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	2.35	9.05
AN6226-25	1.250	1.875	0.312	1.250	+.000 / -.001	+.000 / -.004	1.875	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.35	9.10
AN6226-26	1.375	2.000	0.312	1.375	+.000 / -.002	+.000 / -.004	2.000	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.35	9.20
AN6226-27	1.500	2.125	0.312	1.500	+.000 / -.002	+.000 / -.004	2.125	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.35	9.25
AN6226-28	1.625	2.250	0.312	1.625	+.000 / -.002	+.000 / -.004	2.250	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.80	11.05
AN6226-29	1.750	2.375	0.312	1.750	+.000 / -.002	+.000 / -.004	2.375	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.80	11.15
AN6226-30	1.875	2.500	0.312	1.875	+.000 / -.002	+.000 / -.004	2.500	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.80	11.25
AN6226-31	2.000	2.625	0.312	2.000	+.000 / -.002	+.000 / -.004	2.625	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.90	11.35
AN6226-32	2.125	2.750	0.312	2.125	+.000 / -.002	+.000 / -.004	2.750	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	2.95	11.70
AN6226-33	2.250	2.875	0.312	2.250	+.000 / -.002	+.000 / -.004	2.875	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	3.10	12.20
AN6226-34	2.375	3.000	0.312	2.375	+.000 / -.002	+.000 / -.004	3.000	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	3.25	12.75
AN6226-35	2.500	3.125	0.312	2.500	+.000 / -.002	+.000 / -.004	3.125	+.004 / -.000	+.003 / -.000	0.343	+.010 / -.010	3.35	13.20
AN6226-36	2.500	3.250	0.375	2.500	+.000 / -.002	+.000 / -.004	3.250	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	3.35	13.40
AN6226-37	2.625	3.375	0.375	2.625	+.000 / -.002	+.000 / -.005	3.375	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	3.40	13.60
AN6226-38	2.750	3.500	0.375	2.750	+.000 / -.002	+.000 / -.005	3.500	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	3.65	14.45

AN6226 - NBR 80A & FPM 90A

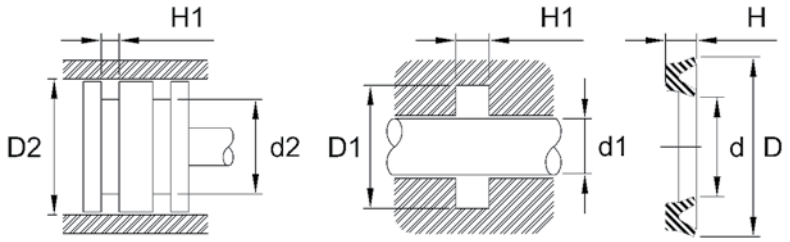
Ref. Number	Nominal Seal Dimensions			Housing Dimensions								$ NBR	$ FPM
				Rod Diameter/Piston Groove			Gland Diameter/Cylinder Bore			Groove Width			
					Rod	Groove		Gland	Cyl.Bore				
	d	D	H	DIM.	d1 - Tol.	d2 - Tol.	DIM.	D1 - Tol.	D2 - Tol.	H1	Tol.		/V
AN6226-39	2.875	3.625	0.375	2.875	+.000 / -.002	+.000 / -.005	3.625	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	3.70	14.75
AN6226-40	3.000	3.750	0.375	3.000	+.000 / -.002	+.000 / -.005	3.750	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	3.80	15.00
AN6226-41	0.125	0.375	0.125	0.125	+.000 / -.001	+.000 / -.001	0.375	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.35	5.25
AN6226-42	0.187	0.437	0.125	0.187	+.000 / -.001	+.000 / -.001	0.437	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.35	5.30
AN6226-43	0.250	0.500	0.125	0.250	+.000 / -.001	+.000 / -.001	0.500	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.40	5.40
AN6226-44	0.312	0.562	0.125	0.312	+.000 / -.001	+.000 / -.001	0.562	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.40	5.50
AN6226-45	0.375	0.625	0.125	0.375	+.000 / -.001	+.000 / -.001	0.625	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.40	5.55
AN6226-46	0.437	0.687	0.125	0.437	+.000 / -.001	+.000 / -.001	0.687	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.50	5.80
AN6226-47	0.500	0.750	0.125	0.500	+.000 / -.001	+.000 / -.001	0.750	+.002 / -.000	+.003 / -.000	0.156	+.010 / -.010	1.50	5.85
AN6226-48	0.625	1.000	0.187	0.625	+.000 / -.002	+.000 / -.002	1.000	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.90	7.50
AN6226-49	0.750	1.125	0.187	0.750	+.000 / -.002	+.000 / -.002	1.125	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.90	7.55
AN6226-50	0.875	1.250	0.187	0.875	+.000 / -.002	+.000 / -.002	1.250	+.002 / -.000	+.003 / -.000	0.218	+.010 / -.010	1.90	7.60
AN6226-51	1.000	1.375	0.187	1.000	+.000 / -.002	+.000 / -.001	1.375	+.002 / -.000	+.004 / -.000	0.218	+.010 / -.010	1.95	7.65
AN6226-52	1.125	1.500	0.187	1.125	+.000 / -.002	+.000 / -.001	1.500	+.002 / -.000	+.004 / -.000	0.218	+.010 / -.010	1.95	7.75
AN6226-53	1.250	1.625	0.187	1.250	+.000 / -.002	+.000 / -.001	1.625	+.002 / -.000	+.004 / -.000	0.218	+.010 / -.010	1.95	7.80
AN6226-60	3.250	4.000	0.375	3.250	+.000 / -.003	+.000 / -.005	4.000	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	4.70	18.70
AN6226-63	3.750	4.500	0.375	2.750	+.000 / -.003	+.000 / -.005	4.500	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	4.95	19.50
AN6226-65	4.250	5.000	0.375	4.250	+.000 / -.005	+.000 / -.005	5.000	+.005 / -.000	+.004 / -.000	0.406	+.010 / -.010	5.50	21.70
AN6226-70	5.125	6.000	0.437	5.125	+.000 / -.005	+.000 / -.005	6.000	+.005 / -.000	+.004 / -.000	0.468	+.010 / -.010	12.85	76.85
AN6226-75	6.125	7.000	0.437	6.125	+.000 / -.005	+.000 / -.005	7.000	+.005 / -.000	+.004 / -.000	0.468	+.010 / -.010	12.95	77.55
AN6226-80	7.000	8.000	0.500	7.000	+.000 / -.005	+.000 / -.007	8.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	24.05	144.20
AN6226-81	7.500	8.250	0.375	7.500	+.000 / -.005	+.000 / -.007	8.250	+.007 / -.000	+.005 / -.000	0.406	+.010 / -.010	23.75	142.35
AN6226-82	8.000	9.000	0.500	8.000	+.000 / -.005	+.000 / -.007	9.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	33.05	198.05
AN6226-85	9.000	10.000	0.500	9.000	+.000 / -.005	+.000 / -.007	10.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	36.65	219.90
AN6226-90	11.000	12.000	0.500	11.000	+.000 / -.005	+.000 / -.007	12.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	41.10	246.45
AN6226-95	13.000	14.000	0.500	13.000	+.000 / -.005	+.000 / -.007	14.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	61.25	367.30



8400 - Rod/Piston Seals

Nitrile NBR 80A
FPM 90A





NBR: Temperature: -40/250F [-40/121C] Pressure: 1250 PSI [86 BAR]
FPM: Temperature: -20/400F [-28/204C] Pressure: 1250 PSI [86 BAR]

Ref. Number	Nominal Seal Dimensions			Housing Dimensions								$ NBR	$ FPM
				Rod Diameter/Piston Groove			Gland Diameter/Cylinder Bore			Groove Width			
					Rod	Groove		Gland	Cyl.Bore				
	d	D	H	DIM.	d1 - Tol.	d2 - Tol.	DIM.	D1 - Tol.	D2 - Tol.	H1	Tol.	/4180	/4208
1/16" - Cross Section - 0.062"													
840200125	0.125	0.250	0.062	0.125	+.000 / -.001	+.000 / -.001	0.250	+.002 / -.000	+.002 / -.000	0.093	+.010 / -.010	11.35	20.95
840200187	0.187	0.312	0.062	0.187	+.000 / -.001	+.000 / -.001	0.312	+.002 / -.000	+.002 / -.000	0.093	+.010 / -.010	11.35	20.95
3/32" - Cross Section - 0.093"													
840300187	0.187	0.375	0.093	0.187	+.000 / -.001	+.000 / -.001	0.375	+.002 / -.000	+.002 / -.000	0.125	+.010 / -.010	5.00	20.95
840300250	0.250	0.437	0.093	0.250	+.000 / -.001	+.000 / -.001	0.437	+.002 / -.000	+.002 / -.000	0.125	+.010 / -.010	8.60	20.95
840300312	0.312	0.500	0.093	0.312	+.000 / -.001	+.000 / -.001	0.500	+.002 / -.000	+.002 / -.000	0.125	+.010 / -.010	2.90	20.95
840300625	0.625	0.812	0.093	0.625	+.000 / -.001	+.000 / -.001	0.812	+.002 / -.000	+.002 / -.000	0.125	+.010 / -.010	10.45	O/R
1/8" - Cross Section - 0.125"													
840400187	0.187	0.437	0.125	0.187	+.000 / -.001	+.000 / -.002	0.437	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	10.45	24.65
840400250	0.250	0.500	0.125	0.250	+.000 / -.001	+.000 / -.002	0.500	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	2.40	25.55
840400312	0.312	0.562	0.125	0.312	+.000 / -.001	+.000 / -.002	0.562	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	2.70	25.80
840400375	0.375	0.625	0.125	0.375	+.000 / -.001	+.000 / -.002	0.625	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	1.60	11.05
840400437	0.437	0.687	0.125	0.437	+.000 / -.001	+.000 / -.002	0.687	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	3.60	26.20
840400500	0.500	0.750	0.125	0.500	+.000 / -.001	+.000 / -.002	0.750	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	1.60	26.35
840400562	0.562	0.812	0.125	0.562	+.000 / -.001	+.000 / -.002	0.812	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	6.35	26.55
840400625	0.625	0.875	0.125	0.625	+.000 / -.001	+.000 / -.002	0.875	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	1.65	15.20
840400687	0.687	0.937	0.125	0.687	+.000 / -.001	+.000 / -.002	0.937	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	6.45	O/R
840400750	0.750	1.000	0.125	0.750	+.000 / -.001	+.000 / -.002	1.000	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	1.65	27.15
840400812	0.812	1.062	0.125	0.812	+.000 / -.001	+.000 / -.002	1.062	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	6.60	27.45
840400875	0.875	1.125	0.125	0.875	+.000 / -.001	+.000 / -.002	1.125	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	1.65	27.70
840400937	0.937	1.187	0.125	0.937	+.000 / -.001	+.000 / -.002	1.187	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	11.45	27.95
840401000	1.000	1.250	0.125	1.000	+.000 / -.001	+.000 / -.002	1.250	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	1.65	11.95
840401125	1.125	1.375	0.125	1.125	+.000 / -.001	+.000 / -.002	1.375	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	2.90	28.55
840404000	4.000	4.250	0.125	4.000	+.000 / -.001	+.000 / -.002	4.250	+.002 / -.000	+.002 / -.000	0.156	+.010 / -.010	55.15	O/R
5/32" - Cross Section - 0.156"													
840501000	1.000	1.312	0.156	1.000	+.000 / -.001	+.000 / -.002	1.312	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	2.75	28.90

8400 SERIES - NBR 80A & FPM 90A

Ref. Number	Nominal Seal Dimensions			Housing Dimensions								$ NBR	$ FPM
				Rod Diameter/Piston Groove	Rod	Groove	Gland Diameter/Cylinder Bore	Gland	Cyl.Bore	Groove Width			
	d	D	H	DIM.	d1 - Tol.	d2 - Tol.	DIM.	D1 - Tol.	D2 - Tol.	H1	Tol.		/V
5/32" - Cross Section - 0.156"													
840501062	1.062	1.375	0.156	1.062	+.000 / -.001	+.000 / -.002	1.375	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	3.35	29.20
840501125	1.125	1.437	0.156	1.125	+.000 / -.001	+.000 / -.002	1.437	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	15.90	O/R
840501187	1.187	1.500	0.156	1.187	+.000 / -.001	+.000 / -.002	1.500	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	1.85	16.85
840501250	1.250	1.562	0.156	1.250	+.000 / -.001	+.000 / -.002	1.562	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	3.50	17.00
840501312	1.312	1.625	0.156	1.312	+.000 / -.001	+.000 / -.002	1.625	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	3.55	30.10
840501375	1.375	1.687	0.156	1.375	+.000 / -.001	+.000 / -.002	1.687	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	1.90	30.35
840501437	1.437	1.750	0.156	1.437	+.000 / -.001	+.000 / -.002	1.750	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	3.60	O/R
840501500	1.500	1.812	0.156	1.500	+.000 / -.001	+.000 / -.002	1.812	+.002 / -.000	+.002 / -.000	0.187	+.010 / -.010	12.60	30.75
3/16" - Cross Section - 0.187"													
840600750	0.750	1.125	0.187	0.750	+.000 / -.002	+.000 / -.002	1.125	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	15.40	O/R
840600875	0.875	1.250	0.187	0.875	+.000 / -.002	+.000 / -.002	1.250	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	11.80	O/R
840601375	1.375	1.750	0.187	1.375	+.000 / -.002	+.000 / -.002	1.750	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	3.00	30.55
840601500	1.500	1.875	0.187	1.500	+.000 / -.002	+.000 / -.002	1.875	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	3.70	30.85
840601625	1.625	2.000	0.187	1.625	+.000 / -.002	+.000 / -.002	2.000	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	2.20	15.80
840601750	1.750	2.125	0.187	1.750	+.000 / -.002	+.000 / -.002	2.125	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	3.35	31.80
840601875	1.875	2.250	0.187	1.875	+.000 / -.002	+.000 / -.002	2.250	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	7.85	32.75
840602000	2.000	2.375	0.187	2.000	+.000 / -.002	+.000 / -.002	2.375	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	2.45	33.75
840602125	2.125	2.500	0.187	2.125	+.000 / -.002	+.000 / -.002	2.500	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	2.75	18.85
840602250	2.250	2.625	0.187	2.250	+.000 / -.002	+.000 / -.002	2.625	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	5.20	35.75
840602375	2.375	2.750	0.187	2.375	+.000 / -.002	+.000 / -.002	2.750	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	14.55	36.00
840602500	2.500	2.875	0.187	2.500	+.000 / -.002	+.000 / -.002	2.875	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	5.50	36.30
840602625	2.625	3.000	0.187	2.625	+.000 / -.002	+.000 / -.002	3.000	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	5.55	O/R
840602750	2.750	3.125	0.187	2.750	+.000 / -.002	+.000 / -.002	3.125	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	3.70	37.40
840603000	3.000	3.375	0.187	3.000	+.000 / -.002	+.000 / -.002	3.375	+.002 / -.000	+.002 / -.000	0.218	+.010 / -.010	16.05	39.40
7/32" - Cross Section - 0.218"													
840701937	1.937	2.375	0.218	1.937	+.000 / -.002	+.000 / -.002	2.375	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	18.95	34.75
840702500	2.500	2.937	0.218	2.500	+.000 / -.002	+.000 / -.002	2.937	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	6.05	25.10
840702562	2.562	3.000	0.218	2.562	+.000 / -.002	+.000 / -.002	3.000	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	5.50	36.85
840702687	2.687	3.125	0.218	2.687	+.000 / -.002	+.000 / -.002	3.125	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	20.35	O/R
840702750	2.750	3.187	0.218	2.750	+.000 / -.002	+.000 / -.002	3.187	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	15.50	O/R
840702812	2.812	3.250	0.218	2.812	+.000 / -.002	+.000 / -.002	3.250	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	3.90	25.50
840703000	3.000	3.437	0.218	3.000	+.000 / -.002	+.000 / -.002	3.437	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	10.55	44.00
840703062	3.062	3.500	0.218	3.062	+.000 / -.002	+.000 / -.002	3.500	+.002 / -.000	+.002 / -.000	0.250	+.010 / -.010	6.10	41.45
1/4" - Cross Section - 0.250"													
840801000	1.000	1.500	0.250	1.000	+.000 / -.002	+.000 / -.003	1.500	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	5.65	30.90
840802500	2.500	3.000	0.250	2.500	+.000 / -.002	+.000 / -.003	3.000	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	6.15	O/R
840802750	2.750	3.250	0.250	2.750	+.000 / -.002	+.000 / -.003	3.250	+.002 / -.000	+.003 / -.000	0.281	+.010 / -.010	7.05	O/R

8400 SERIES - NBR 80A & FPM 90A

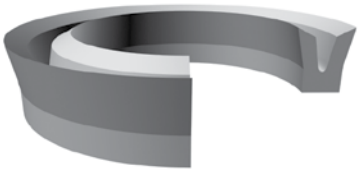
Ref. Number	Nominal Seal Dimensions			Housing Dimensions								$ NBR	$ FPM
				Rod Diameter/Piston Groove	Rod	Groove	Gland Diameter/Cylinder Bore	Gland	Cyl.Bore	Groove Width			
	d	D	H	DIM.	d1 - Tol.	d2 - Tol.	DIM.	D1 - Tol.	D2 - Tol.	H1	Tol.		/V
1/4" - Cross Section - 0.250"													
840803375	3.375	3.875	0.250	3.375	+.000 / -.002	+.000 / -.003	3.875	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	23.20	O/R
840803500	3.500	4.000	0.250	3.500	+.000 / -.002	+.000 / -.003	4.000	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	4.70	17.70
840803750	3.750	4.250	0.250	3.750	+.000 / -.002	+.000 / -.003	4.250	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	10.75	45.00
840804000	4.000	4.500	0.250	4.000	+.000 / -.002	+.000 / -.003	4.500	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	7.50	45.30
840804250	4.250	4.750	0.250	4.250	+.000 / -.002	+.000 / -.003	4.750	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	18.90	46.20
840804500	4.500	5.000	0.250	4.500	+.000 / -.002	+.000 / -.003	5.000	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	7.90	47.10
840804750	4.750	5.250	0.250	4.750	+.000 / -.002	+.000 / -.003	5.250	+.003 / -.000	+.003 / -.000	0.281	+.010 / -.010	28.20	51.80
9/32" - Cross Section - 0.281"													
840904437	4.437	5.000	0.281	4.437	+.000 / -.002	+.000 / -.003	5.000	+.003 / -.000	+.003 / -.000	0.312	+.010 / -.010	12.50	66.50
840905000	5.000	5.562	0.281	5.000	+.000 / -.002	+.000 / -.003	5.562	+.003 / -.000	+.003 / -.000	0.312	+.010 / -.010	23.50	67.45
840905437	5.437	6.000	0.281	5.437	+.000 / -.002	+.000 / -.003	6.000	+.003 / -.000	+.003 / -.000	0.312	+.010 / -.010	12.90	68.20
840905937	5.937	6.500	0.281	5.937	+.000 / -.002	+.000 / -.003	6.500	+.003 / -.000	+.003 / -.000	0.312	+.010 / -.010	16.70	O/R
840906437	6.437	7.000	0.281	6.437	+.000 / -.002	+.000 / -.003	7.000	+.003 / -.000	+.003 / -.000	0.312	+.010 / -.010	25.10	71.80
5/16" - Cross Section - 0.312"													
841002375	2.375	3.000	0.312	2.375	+.000 / -.002	+.000 / -.004	3.000	+.002 / -.000	+.002 / -.000	0.344	+.010 / -.010	33.45	O/R
841005125	5.125	5.750	0.312	5.125	+.000 / -.002	+.000 / -.004	5.750	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	17.40	O/R
841005375	5.375	6.000	0.312	5.375	+.000 / -.002	+.000 / -.004	6.000	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	14.75	65.80
841005500	5.500	6.125	0.312	5.500	+.000 / -.002	+.000 / -.004	6.125	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	27.40	78.65
841006000	6.000	6.625	0.312	6.000	+.000 / -.002	+.000 / -.004	6.625	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	38.00	O/R
841006375	6.375	7.000	0.312	6.375	+.000 / -.002	+.000 / -.004	7.000	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	17.25	85.05
841006969	6.969	7.593	0.312	6.969	+.000 / -.002	+.000 / -.004	7.593	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	41.10	O/R
841007000	7.000	7.625	0.312	7.000	+.000 / -.002	+.000 / -.004	7.625	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	41.10	88.50
841007375	7.375	8.000	0.312	7.375	+.000 / -.002	+.000 / -.004	8.000	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	18.00	78.35
841008500	8.500	9.125	0.312	8.500	+.000 / -.002	+.000 / -.004	9.125	+.004 / -.000	+.003 / -.000	0.344	+.010 / -.010	59.70	O/R
11/32" - Cross Section - 0.343"													
841109312	9.312	10.000	0.343	9.312	+.000 / -.002	+.000 / -.004	10.000	+.004 / -.000	+.003 / -.000	0.375	+.010 / -.010	27.10	131.00
3/8" - Cross Section - 0.375"													
841202250	2.250	3.000	0.375	2.250	+.000 / -.002	+.000 / -.005	3.000	+.004 / -.000	+.002 / -.000	0.406	+.010 / -.010	25.60	O/R
841211250	11.250	12.000	0.375	11.250	+.000 / -.002	+.000 / -.005	12.000	+.004 / -.000	+.004 / -.000	0.406	+.010 / -.010	30.55	153.10
13/32" - Cross Section - 0.406"													
841313187	13.187	14.000	0.406	13.187	+.000 / -.002	+.000 / -.005	14.000	+.005 / -.000	+.004 / -.000	0.437	+.010 / -.010	55.50	168.75

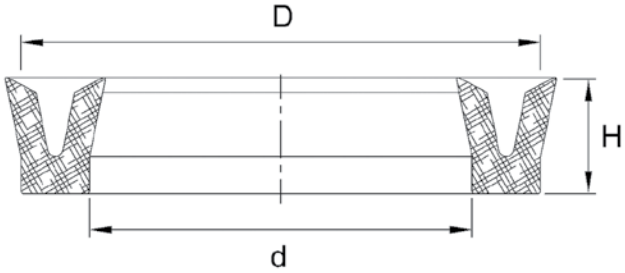
8400 SERIES - NBR 80A & FPM 90

Ref. Number	Nominal Seal Dimensions			Housing Dimensions								$ NBR	$ FPM
				Rod Diameter/Piston Groove			Gland Diameter/Cylinder Bore			Groove Width			
					Rod	Groove		Gland	Cyl.Bore				
	d	D	H	DIM.	d1 - Tol.	d2 - Tol.	DIM.	D1 - Tol.	D2 - Tol.	H1	Tol.		/V
7/16" - Cross Section - 0.437"													
841417125	17.125	18.000	0.437	17.125	+.000 / -.003	+.000 / -.006	18.000	+.006 / -.000	+.005 / -.000	0.469	+.010 / -.010	102.75	248.10
1/2" - Cross Section - 0.500"													
841611000	11.000	12.000	0.500	11.000	+.000 / -.003	+.000 / -.007	12.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	66.05	O/R
841613000	13.000	14.000	0.500	13.000	+.000 / -.003	+.000 / -.007	14.000	+.007 / -.000	+.005 / -.000	0.531	+.010 / -.010	39.90	188.35

FU - Rod/Piston Seals

Duck/NBR
Duck/FPM





NBR: Temperature: -40/250F [-40/121C] **Pressure: 5000 PSI [345 BAR]**
FPM: Temperature: -20/400F [-28/204C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
1/4" - Cross Section - 0.250"					
FU25001375-312	1.375	1.875	0.312	10.05	39.95
FU25001500-250	1.500	2.000	0.250	8.15	32.45
FU25001500-375	1.500	2.000	0.375	8.15	32.45
FU25002000-375	2.000	2.500	0.375	8.65	34.55
FU25002500-375	2.500	3.000	0.375	6.75	26.85
FU25003000-375	3.000	3.500	0.375	7.50	29.75
FU25003500-375	3.500	4.000	0.375	13.20	52.55
5/16" - Cross Section - 0.312"					
FU31201125-375	1.125	1.750	0.375	6.60	26.05
FU31202375-312	2.375	3.000	0.312	9.30	37.15
FU31202375-375	2.375	3.000	0.375	9.30	37.15

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
3/8" - Cross Section - 0.375"					
FU37501250-500	1.250	2.000	0.500	7.30	28.95
FU37501500-375	1.500	2.250	0.375	7.65	30.55
FU37501500-500	1.500	2.250	0.500	7.65	30.55
FU37501625-375	1.625	2.375	0.375	8.10	32.25
FU37501750-500	1.750	2.500	0.500	9.30	37.15
FU37502000-375	1.250	2.000	0.375	7.30	28.95
FU37502000-500	2.000	2.750	0.500	9.70	38.60
FU37502250-375	2.250	3.000	0.375	9.85	39.30
FU37502250-500	2.250	3.000	0.500	9.85	39.30
FU37502500-343	2.500	3.250	0.343	10.35	41.15
FU37502500-500	2.500	3.250	0.500	10.35	41.15
FU37502750-375	2.750	3.500	0.375	10.75	43.05
FU37502750-500	2.750	3.500	0.500	10.75	43.05
FU37503000-437	3.000	3.750	0.437	12.00	47.80

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FU SERIES - DUCK/NBR & DUCK/FPM

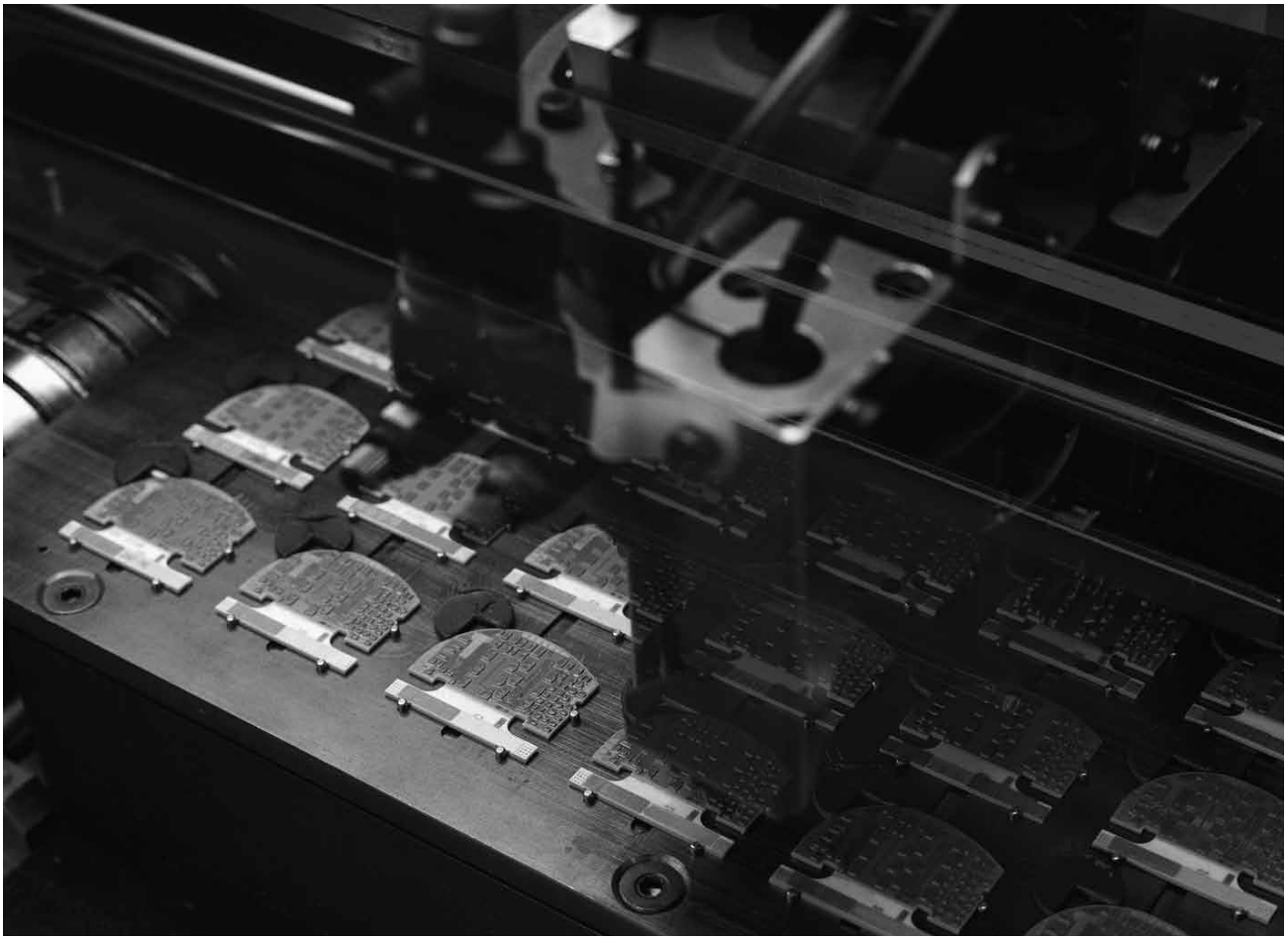
Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
3/8" - Cross Section - 0.375"					
FU37503000-500	3.000	3.750	0.500	12.00	47.80
FU37503250-375	3.250	4.000	0.375	12.45	49.65
FU37503250-500	3.250	4.000	0.500	12.45	49.65
FU37503500-500	3.500	4.250	0.500	13.45	53.60
FU37503750-500	3.750	4.500	0.500	13.60	54.45
FU37504000-500	4.000	4.750	0.500	15.55	62.10
FU37504250-375	4.250	5.000	0.375	16.45	65.85
FU37504250-500	4.250	5.000	0.500	16.45	65.85
FU37504250-562	4.250	5.000	0.562	16.45	65.85
FU37504500-500	4.500	5.250	0.500	16.65	66.50
FU37504750-500	4.750	5.500	0.500	17.70	70.60
FU37505000-500	5.000	5.750	0.500	18.05	108.15
FU37505250-500	5.250	6.000	0.500	19.15	114.70
FU37505500-500	5.500	6.250	0.500	20.05	120.15
FU37505750-500	5.750	6.500	0.500	20.75	124.55
FU37506000-500	6.000	6.750	0.500	21.45	128.50
FU37506250-500	6.250	7.000	0.500	25.40	152.20
FU37506500-500	6.500	7.250	0.500	28.45	170.40
FU37507250-500	7.250	8.000	0.500	28.70	172.20
FU37507750-500	7.750	8.500	0.500	35.90	215.15
FU37508000-500	8.000	8.750	0.500	36.90	221.35
FU37508250-500	8.250	9.000	0.500	34.05	204.25
FU37508750-500	8.750	9.500	0.500	33.75	202.45
FU37509250-500	9.250	10.000	0.500	35.15	210.80
FU37509500-500	9.500	10.250	0.500	35.90	215.15
FU37510125-500	10.125	10.875	0.500	38.25	229.35
FU37510750-500	10.750	11.500	0.500	42.55	255.20
FU37511125-500	11.125	11.875	0.500	43.45	260.65
FU37511250-500	11.250	12.000	0.500	43.90	263.20
FU37512125-500	12.125	12.875	0.500	46.15	276.70
FU37513125-500	13.125	13.875	0.500	50.25	301.45
FU37513250-500	13.250	14.000	0.500	50.75	304.35
FU37515125-500	15.125	15.875	0.500	57.50	344.75
FU37515250-500	15.250	16.000	0.500	58.05	348.05
FU37516250-500	16.250	17.000	0.500	60.95	365.50
FU37517250-500	17.250	18.000	0.500	65.20	391.00
7/16" - Cross Section - 0.437"					
FU43711125-500	11.125	12.000	0.500	46.80	280.70

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
1/2" - Cross Section - 0.500"					
FU50001500-500	1.500	2.500	0.500	8.10	32.25
FU50002000-500	2.000	3.000	0.500	9.70	38.60
FU50002500-500	2.500	3.500	0.500	10.35	41.15
FU50003000-500	3.000	4.000	0.500	12.00	47.80
FU50003000-750	3.000	4.000	0.750	16.45	65.85
FU50003125-500	3.125	4.125	0.500	16.45	65.70
FU50004000-1000	4.000	5.000	1.000	20.85	83.15
FU50004000-437	4.000	5.000	0.437	20.85	83.15
FU50004000-500	4.000	5.000	0.500	15.55	62.10
FU50004000-812	4.000	5.000	0.812	20.85	83.15
FU50004750-500	4.750	5.750	0.500	22.90	91.60
FU50004875-500	4.875	5.875	0.500	24.15	96.65
FU50005000-500	5.000	6.000	0.500	24.40	146.35
FU50005000-750	5.000	6.000	0.750	24.40	146.35
FU50006000-1000	6.000	7.000	1.000	26.30	157.65
FU50006000-500	6.000	7.000	0.500	26.30	157.65
FU50007000-750	7.000	8.000	0.750	32.55	195.15
FU50008000-750	8.000	9.000	0.750	37.20	223.15
FU50009750-750	9.750	10.750	0.750	42.70	255.95
FU50010000-625	10.000	11.000	0.625	52.55	315.25
FU50011000-750	11.000	12.000	0.750	57.35	344.00
FU50011500-1000	11.500	12.500	1.000	59.70	358.25
FU50011625-1000	11.625	12.625	1.000	60.90	365.15
FU50016875-750	16.875	17.875	0.750	78.85	472.90
FU50018875-750	18.875	19.875	0.750	128.15	768.85
FU50020875-750	20.875	21.875	0.750	138.65	831.80
9/16" - Cross Section - 0.562"					
FU56218875-1125	18.875	20.000	1.125	137.25	823.45
5/8" - Cross Section - 0.625"					
FU62501000-500	1.000	2.250	0.500	12.85	51.25
FU62502500-625	2.500	3.750	0.625	19.75	78.85
FU62512000-1250	12.000	13.250	1.250	70.35	421.95
FU62514750-1125	14.750	16.000	1.125	103.45	620.70
3/4" - Cross Section - 0.750"					
FU75006500-750	6.500	8.000	0.750	97.85	586.80
FU75008000-750	8.000	9.500	0.750	59.85	358.95

FU SERIES - DUCK/NBR & DUCK/FPM

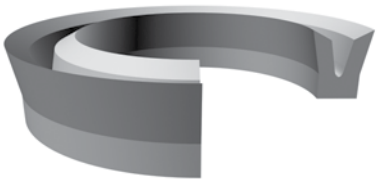
Ref.Number	Nominal Seal Dimensions d	D	H	$ NBR	$ /V
3/4" - Cross Section - 0.750"					
FU75010000-1000	10.000	11.500	1.000	76.40	458.35
FU75012000-1000	12.000	13.500	1.000	90.75	544.25
FU75016000-1250	16.000	17.500	1.250	120.70	724.05
FU75018000-1000	18.000	19.500	1.000	128.95	773.55
FU75020000-1375	20.000	21.500	1.375	183.85	1103.00
7/8" - Cross Section - 0.875"					
FU87520000-1125	20.000	21.750	1.125	238.75	O/R
FU87526000-1250	26.000	27.750	1.250	1057.00	O/R
1" - Cross Section - 1.000"					
FU10006500-1000	6.500	8.500	1.000	120.50	722.95
FU100011500-1187	11.500	13.500	1.187	158.20	949.05

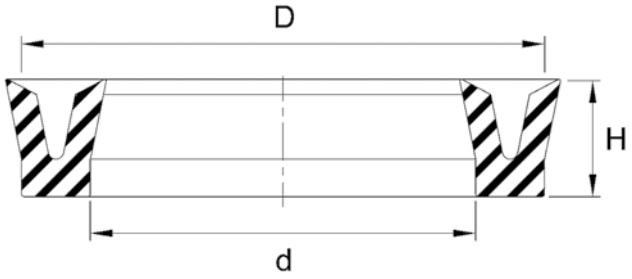
Ref.Number	Nominal Seal Dimensions d	D	H	$ NBR	$ /V
1" - Cross Section - 1.000"					
FU100012000-1250	12.000	14.000	1.250	168.90	1013.10
FU100014000-1000	14.000	16.000	1.000	191.50	1148.90
FU100016000-1250	16.000	18.000	1.250	217.10	O/R
FU100018000-1125	18.000	20.000	1.125	246.30	O/R
1 1/4" - Cross Section - 1.250"					
FU12505500-500	5.500	8.000	0.500	90.95	545.70
FU12507500-500	7.500	10.000	0.500	120.65	723.70
FU125011250-1187	11.250	13.750	1.187	156.30	937.75
1 1/2" - Cross Section - 1.500"					
FU15005250-1000	5.250	8.250	1.000	103.45	620.70



HU - Rod/Piston Seals

Nitrile NBR 80A
FPM 90A





NBR: Temperature: -40/250F [-40/121C] **Pressure: 1250 PSI [85 BAR]**
FPM: Temperature: -20/400F [-28/204C] **Pressure: 1250 PSI [85 BAR]**

Ref.Number	Nominal Seal Dimensions			$	$
	d	D	H	NBR	/V
1/16" - Cross Section - 0.062"					
HU06200250-070	0.250	0.375	0.070	1.80	7.05
4/57" - Cross Section - 0.070"					
HU07000234-093	0.234	0.375	0.093	1.80	7.05
3/32" - Cross Section - 0.093"					
HU09300187	0.187	0.375	0.093	1.80	7.05
HU09300312	0.312	0.500	0.093	2.40	9.50
1/8" - Cross Section - 0.125"					
HU12500312	0.312	0.562	0.125	2.40	9.50
HU12500312-250	0.312	0.562	0.250	2.40	9.50
HU12500375	0.375	0.625	0.125	2.25	8.80
HU12500375-250	0.375	0.625	0.250	2.50	9.90
HU12500437	0.437	0.687	0.125	2.50	9.90
HU12500500-250	0.500	0.750	0.250	2.25	8.80
HU12500625	0.625	0.875	0.125	2.35	9.05
HU12500750	0.750	1.000	0.125	3.20	12.50
HU12500750-250	0.750	1.000	0.250	3.20	12.50
HU12500875	0.875	1.125	0.125	3.70	14.75
HU12500937	0.937	1.187	0.125	4.20	16.60
HU12501000	1.000	1.250	0.125	4.35	17.30
HU12501000-250	1.000	1.250	0.250	4.35	17.30
HU12501250	1.250	1.500	0.125	4.50	17.85
HU12501250-250	1.250	1.500	0.250	4.50	17.85
HU12501375	1.375	1.625	0.125	5.35	21.20
HU12501500-240	1.500	1.750	0.240	5.85	23.20
HU12501500-250	1.500	1.750	0.250	5.85	23.20

Ref.Number	Nominal Seal Dimensions			$	$
	d	D	H	NBR	/V
1/8" - Cross Section - 0.125"					
HU12501625	1.625	1.875	0.125	5.15	20.30
HU12501875	1.875	2.125	0.125	6.70	26.60
HU12503250-187	3.250	3.500	0.187	8.65	34.50
5/32" - Cross Section - 0.156"					
HU15600625-218	0.625	0.937	0.218	2.95	11.55
HU15600687	0.687	1.000	0.156	3.05	12.05
HU15600687-219	0.687	1.000	0.219	3.05	12.05
HU15600750	0.750	1.062	0.156	3.65	14.55
HU15601000	1.000	1.312	0.156	3.20	12.65
HU15601187	1.187	1.500	0.156	4.50	17.85
HU15601437	1.437	1.750	0.156	5.20	20.65
HU15601500	1.500	1.812	0.156	4.20	16.60
3/16" - Cross Section - 0.187"					
HU18700625-312	0.625	1.000	0.312	2.90	11.50
HU18700750-312	0.750	1.125	0.312	2.75	11.00
HU18700875-312	0.875	1.250	0.312	3.40	13.55
HU18701000	1.000	1.375	0.187	3.50	13.85
HU18701125-312	1.125	1.500	0.312	3.90	15.45
HU18701375	1.375	1.750	0.187	3.90	15.45
HU18701375-312	1.375	1.750	0.312	3.90	15.45
HU18701500	1.500	1.875	0.187	4.55	18.10
HU18701625	1.625	2.000	0.187	4.80	19.15
HU18701625-375	1.625	2.000	0.375	4.80	19.15
HU18701875	1.875	2.250	0.187	5.15	20.35
HU18702000	2.000	2.375	0.187	5.40	21.65
HU18702125	2.125	2.500	0.187	5.05	20.15
HU18702125-375	2.125	2.500	0.375	5.05	20.15
HU18702250	2.250	2.625	0.187	5.90	23.55

HU SERIES - NBR 80A & FPM 90A

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
3/16" - Cross Section - 0.187"					
HU18702750	2.750	3.125	0.187	7.10	28.25
HU18702750-375	2.750	3.125	0.375	7.10	28.25
HU18704125-375	4.125	4.500	0.375	9.85	39.15
7/32" - Cross Section - 0.218"					
HU21800937-312	0.937	1.375	0.312	3.95	15.60
HU21802562	2.562	3.000	0.218	7.00	27.85
HU21802687-187	2.687	3.125	0.187	7.05	28.10
HU21803062	3.062	3.500	0.218	8.15	32.55
1/4" - Cross Section - 0.250"					
HU25001000-375	1.000	1.500	0.375	3.25	12.90
HU25001187-375	1.187	1.687	0.375	4.90	19.45
HU25001375	1.375	1.875	0.250	4.50	18.00
HU25001500-375	1.500	2.000	0.375	5.30	21.00
HU25001500-600	1.500	2.000	0.600	5.30	21.00
HU25001750	1.750	2.250	0.250	5.55	22.05
HU25001750-285	1.750	2.250	0.285	5.55	22.05
HU25001750-375	1.750	2.250	0.375	5.55	22.05
HU25001875	1.875	2.375	0.250	5.65	22.40
HU25002000-375	2.000	2.500	0.375	5.05	20.15
HU25002375-375	2.375	2.875	0.375	6.40	25.45
HU25002500-375	2.500	3.000	0.375	6.05	23.95
HU25002625	2.625	3.125	0.250	6.10	24.25
HU25002750-375	2.750	3.250	0.375	6.35	25.25
HU25003000-375	3.000	3.500	0.375	9.10	36.50
HU25003125	3.125	3.625	0.250	8.05	32.00
HU25003375	3.375	3.875	0.250	7.50	29.90
HU25003500	3.500	4.000	0.250	7.65	30.55
HU25003500-375	3.500	4.000	0.375	7.65	30.55
HU25003625	3.625	4.125	0.250	8.80	35.25
HU25004000	4.000	4.500	0.250	8.65	34.55
HU25004000-312	4.000	4.500	0.312	8.65	34.55
HU25004125	4.125	4.625	0.250	10.10	40.30
HU25004500-375	4.500	5.000	0.375	8.95	35.70
HU25004500-562	4.500	5.000	0.562	9.45	37.55
HU25004625	4.625	5.125	0.250	35.45	141.75
HU25005500-375	5.500	6.000	0.375	10.55	62.90
HU25005750	5.750	6.250	0.250	12.75	76.50
HU25006000-375	6.000	6.500	0.375	12.60	75.20
HU25007500-375	7.500	8.000	0.375	15.55	93.15

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
9/32" - Cross Section - 0.281"					
HU28100687-250	0.687	1.250	0.250	4.75	18.75
HU28105937-281	5.937	6.500	0.281	8.60	51.35
5/16" - Cross Section - 0.312"					
HU31200625-437	0.625	1.250	0.437	4.20	16.70
HU31201187	1.187	1.812	0.312	4.70	18.65
HU31202500-500	2.500	3.125	0.500	6.10	24.25
HU31202875-500	2.875	3.500	0.500	7.85	31.25
HU31203312	3.312	3.937	0.312	8.80	35.15
HU31204000-562	4.000	4.625	0.562	11.50	45.95
HU31204375	4.375	5.000	0.312	10.90	43.45
HU31205375	5.375	6.000	0.312	11.80	70.60
HU31205500	5.500	6.125	0.312	8.15	48.55
HU31206375	6.375	7.000	0.312	15.55	93.15
11/32" - Cross Section - 0.343"					
HU34300562-437	0.562	1.250	0.437	4.25	16.95
HU34300937-312	0.937	1.625	0.312	5.60	22.30
HU34302312-312	2.312	3.000	0.312	8.30	20.75
HU34309312	9.312	10.000	0.343	28.10	168.45
3/8" - Cross Section - 0.375"					
HU37501250-500	1.250	2.000	0.500	4.80	19.15
HU37502812	2.812	3.562	0.375	8.75	34.80
HU37503250-437	3.250	4.000	0.437	9.25	36.75
HU37503250-500	3.250	4.000	0.500	9.25	36.75
HU37504250-500	4.250	5.000	0.500	9.60	38.25
HU37505250-500	5.250	6.000	0.500	11.45	68.15
HU37505250-625	5.250	6.000	0.625	11.75	70.30
HU37506250-500	6.250	7.000	0.500	13.55	81.25
HU37507250-500	7.250	8.000	0.500	15.30	91.60
HU37507250-625	7.250	8.000	0.625	15.30	91.60
HU37508250-500	8.250	9.000	0.500	17.20	103.10
HU37509250	9.250	10.000	0.375	19.15	114.65
HU37509250-500	9.250	10.000	0.500	19.15	114.65
HU37511250	11.250	12.000	0.375	24.15	144.85
HU37511250-500	11.250	12.000	0.500	24.15	164.85
HU37513250-500	13.250	14.000	0.500	31.75	190.30
HU37515250-500	15.250	16.000	0.500	44.70	267.70

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
3/8" - Cross Section - 0.375"					
HU37516250-500	16.250	17.000	0.500	58.30	349.60
HU37517250-500	17.250	18.000	0.500	61.80	425.20
HU37520250-500	20.250	21.000	0.500	72.75	436.35
13/32" - Cross Section - 0.406"					
HU40604187-500	4.187	5.000	0.500	17.00	68.00
HU40607187-500	7.187	8.000	0.500	27.20	163.10
7/16" - Cross Section - 0.437"					
HU43702125-375	2.125	3.000	0.375	8.10	32.25
HU43703500-425	3.500	4.375	0.425	48.50	193.95
HU43705000	5.000	5.875	0.437	15.00	89.85
HU43705125-420	5.125	6.000	0.420	15.20	90.90
HU43705500-875	5.500	6.375	0.875	16.45	98.55
HU43715125	15.125	16.000	0.437	56.45	338.40
HU43715125-500	15.125	16.000	0.500	56.45	338.40
1/2" - Cross Section - 0.500"					
HU50003375	3.375	4.375	0.500	15.55	62.05
HU50004125	4.125	5.125	0.500	18.85	75.25
HU50005000-687	5.000	6.000	0.687	23.45	140.45
HU50006000	6.000	7.000	0.500	19.20	115.00

Ref.Number	Nominal Seal Dimensions			$ NBR	$ /V
	d	D	H		
1/2" - Cross Section - 0.500"					
HU50006500-594	6.500	7.500	0.594	31.05	185.90
HU50013000	13.000	14.000	0.500	55.10	330.30
HU50017000	17.000	18.000	0.500	70.90	425.20
HU50019000	19.000	20.000	0.500	81.45	488.35
HU50019000-750	19.000	20.000	0.750	81.45	488.35
17/32" - Cross Section - 0.531"					
HU53120937-750	20.937	22.000	0.750	172.10	1032.45
9/16" - Cross Section - 0.562"					
HU56201750	1.750	2.875	0.562	7.10	28.35
5/8" - Cross Section - 0.625"					
HU62501750-600	1.750	3.000	0.600	14.55	58.05
1" - Cross Section - 1.000"					
HU100028000-1250	28.000	30.000	1.250	953.45	O/R



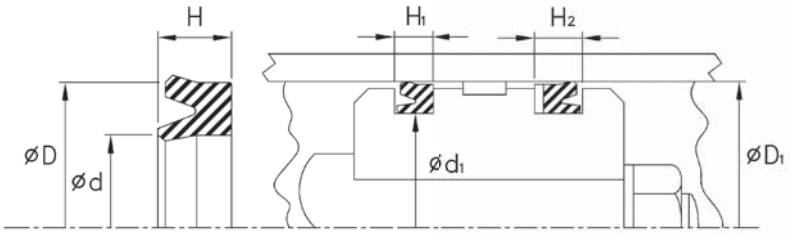
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	UP/HD	D	4
	E4	D	8
	CB	D	9
	CF	D	10
	ECF	D	13
	CH	D	14
	CS	D	16
	CT	D	18
	TP	D	20
	TP-1	D	22
	TP-2	D	22
	UNIRING	D	23
	PSP	D	25
	PSP-A	D	26
	PSP-AT	D	28
INFO	BP PROFILE	D	29
	BP	D	30
	PIP SEAL	D	32
	PIP RING	D	36
	TFES	D	37
	CAT TYPE-2	D	39
	160G	D	40
	169B	D	41
	169G	D	42
	169U	D	43
	CAT TYPE-1	D	45

	AQ	D	46
	C914	D	48
	CAT TYPE-3	D	49
	ZG	D	52
	CTS	D	53
	CAT TYPE-4	D	55
	RJD	D	55
	P1000	D	56
	P1000 PARKER	D	60
	P1000 HYCO	D	61
	P1000 C.INTERTECH	D	62
	P1000 WARD	D	62
	P3B	D	63
	P3C	D	64
	P3D	D	66
	P5B	D	67

UP - Piston Seals

Polyurethane





Temperature: -40/212F [-40/100C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP12500250	0.500 +.003 / -.000	0.500	0.250	0.125	0.500	+.003 / -.000	0.250	+.000 / -.002	0.138	+.015 / -.000	3.30
UP12500312-187	0.562 +.003 / -.000	0.562	0.312	0.187	0.562	+.003 / -.000	0.312	+.000 / -.002	0.206	+.015 / -.000	3.35
UP12500500-187	0.750 +.003 / -.000	0.750	0.500	0.187	0.750	+.003 / -.000	0.500	+.000 / -.002	0.206	+.015 / -.000	3.55
UP12500500-250	0.750 +.003 / -.000	0.750	0.500	0.250	0.750	+.003 / -.000	0.500	+.000 / -.002	0.275	+.015 / -.000	3.55
UP12500625	0.875 +.003 / -.000	0.875	0.625	0.125	0.875	+.003 / -.000	0.625	+.000 / -.002	0.138	+.015 / -.000	3.65
UP12500625-250	0.875 +.003 / -.000	0.875	0.625	0.250	0.875	+.003 / -.000	0.625	+.000 / -.002	0.275	+.015 / -.000	3.65
UP12501000-187	1.250 +.003 / -.000	1.250	1.000	0.187	1.250	+.003 / -.000	1.000	+.000 / -.002	0.206	+.015 / -.000	4.15
UP25000875	1.375 +.003 / -.000	1.375	0.875	0.250	1.375	+.003 / -.000	0.875	+.000 / -.003	0.275	+.015 / -.000	4.70
UP25000937	1.437 +.003 / -.000	1.437	0.937	0.250	1.437	+.003 / -.000	0.937	+.000 / -.003	0.275	+.015 / -.000	4.70
UP25001000	1.500 +.003 / -.000	1.500	1.000	0.250	1.500	+.003 / -.000	1.000	+.000 / -.003	0.275	+.015 / -.000	4.75
UP25001000-375	1.500 +.003 / -.000	1.500	1.000	0.375	1.500	+.003 / -.000	1.000	+.000 / -.003	0.413	+.015 / -.000	4.75
UP18701250-312	1.625 +.003 / -.000	1.625	1.250	0.312	1.625	+.003 / -.000	1.250	+.000 / -.002	0.343	+.015 / -.000	4.70
UP25001187	1.687 +.003 / -.000	1.687	1.187	0.250	1.687	+.003 / -.000	1.187	+.000 / -.003	0.275	+.015 / -.000	4.95
UP25001250-375	1.750 +.003 / -.000	1.750	1.250	0.375	1.750	+.003 / -.000	1.250	+.000 / -.003	0.413	+.015 / -.000	4.95
UP18701625-250	2.000 +.003 / -.000	2.000	1.625	0.250	2.000	+.003 / -.000	1.625	+.000 / -.002	0.275	+.015 / -.000	5.95
UP18701625-312	2.000 +.003 / -.000	2.000	1.625	0.312	2.000	+.003 / -.000	1.625	+.000 / -.002	0.343	+.015 / -.000	5.95
UP18701625-375	2.000 +.003 / -.000	2.000	1.625	0.375	2.000	+.003 / -.000	1.625	+.000 / -.002	0.413	+.015 / -.000	5.95
UP25001500	2.000 +.003 / -.000	2.000	1.500	0.250	2.000	+.003 / -.000	1.500	+.000 / -.003	0.275	+.015 / -.000	5.80
UP25001500-312	2.000 +.003 / -.000	2.000	1.500	0.312	2.000	+.003 / -.000	1.500	+.000 / -.003	0.343	+.015 / -.000	5.80
UP25001500-375	2.000 +.003 / -.000	2.000	1.500	0.375	2.000	+.003 / -.000	1.500	+.000 / -.003	0.413	+.015 / -.000	6.30
UP31201375-500	2.000 +.003 / -.000	2.000	1.375	0.500	2.000	+.003 / -.000	1.375	+.000 / -.002	0.550	+.015 / -.000	6.10
UP18702125-312	2.500 +.003 / -.000	2.500	2.125	0.312	2.500	+.003 / -.000	2.125	+.000 / -.002	0.343	+.015 / -.000	6.80
UP18702125-375	2.500 +.003 / -.000	2.500	2.125	0.375	2.500	+.003 / -.000	2.125	+.000 / -.002	0.413	+.015 / -.000	6.80
UP25002000	2.500 +.003 / -.000	2.500	2.000	0.250	2.500	+.003 / -.000	2.000	+.000 / -.003	0.275	+.015 / -.000	6.95
UP25002000-375	2.500 +.003 / -.000	2.500	2.000	0.375	2.500	+.003 / -.000	2.000	+.000 / -.003	0.413	+.015 / -.000	6.95
UP31201875-500	2.500 +.003 / -.000	2.500	1.875	0.500	2.500	+.003 / -.000	1.875	+.000 / -.004	0.550	+.015 / -.000	7.95
UP37501750	2.500 +.003 / -.000	2.500	1.750	0.375	2.500	+.003 / -.000	1.750	+.000 / -.005	0.413	+.015 / -.000	10.10
UP37501750-625	2.500 +.003 / -.000	2.500	1.750	0.625	2.500	+.003 / -.000	1.750	+.000 / -.005	0.688	+.015 / -.000	10.10
UP25002125-375	2.625 +.003 / -.000	2.625	2.125	0.375	2.625	+.003 / -.000	2.125	+.000 / -.003	0.413	+.015 / -.000	7.35
UP25002250-375	2.750 +.003 / -.000	2.750	2.250	0.375	2.750	+.003 / -.000	2.250	+.000 / -.003	0.413	+.015 / -.000	7.80
UP25002500	3.000 +.004 / -.000	3.000	2.500	0.250	3.000	+.004 / -.000	2.500	+.000 / -.003	0.275	+.015 / -.000	8.60
UP25002500-375	3.000 +.004 / -.000	3.000	2.500	0.375	3.000	+.004 / -.000	2.500	+.000 / -.003	0.413	+.015 / -.000	8.60
UP31202375-500	3.000 +.004 / -.000	3.000	2.375	0.500	3.000	+.004 / -.000	2.375	+.000 / -.004	0.550	+.015 / -.000	9.60
UP18702875-375	3.250 +.004 / -.000	3.250	2.875	0.375	3.250	+.004 / -.000	2.875	+.000 / -.002	0.413	+.015 / -.000	10.05
UP25002750-375	3.250 +.004 / -.000	3.250	2.750	0.375	3.250	+.004 / -.000	2.750	+.000 / -.003	0.413	+.015 / -.000	10.60
UP37502500	3.250 +.004 / -.000	3.250	2.500	0.375	3.250	+.004 / -.000	2.500	+.000 / -.005	0.413	+.015 / -.000	13.80
UP37502500-500	3.250 +.004 / -.000	3.250	2.500	0.500	3.250	+.004 / -.000	2.500	+.000 / -.005	0.550	+.015 / -.000	13.80
UP25003000	3.500 +.004 / -.000	3.500	3.000	0.250	3.500	+.004 / -.000	3.000	+.000 / -.003	0.275	+.015 / -.000	10.15

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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP25003000-375	3.500	+.004 / -.000	3.500	3.000	0.375	3.500	+.004 / -.000	3.000	+.000 / -.003	0.413	+.015 / -.000	10.15
UP31202875-500	3.500	+.004 / -.000	3.500	2.875	0.500	3.500	+.004 / -.000	2.875	+.000 / -.004	0.550	+.015 / -.000	11.00
UP37502750-500	3.500	+.004 / -.000	3.500	2.750	0.500	3.500	+.004 / -.000	2.750	+.000 / -.005	0.550	+.015 / -.000	15.05
UP25003250-375	3.750	+.004 / -.000	3.750	3.250	0.375	3.750	+.004 / -.000	3.250	+.000 / -.003	0.413	+.015 / -.000	10.85
UP31203125-375	3.750	+.004 / -.000	3.750	3.125	0.375	3.750	+.004 / -.000	3.125	+.000 / -.004	0.413	+.015 / -.000	12.15
UP31203125-500	3.750	+.004 / -.000	3.750	3.125	0.500	3.750	+.004 / -.000	3.125	+.000 / -.004	0.550	+.015 / -.000	12.15
UP37503000-500	3.750	+.004 / -.000	3.750	3.000	0.500	3.750	+.004 / -.000	3.000	+.000 / -.004	0.550	+.015 / -.000	16.40
UP37503000-625	3.750	+.004 / -.000	3.750	3.000	0.625	3.750	+.004 / -.000	3.000	+.000 / -.004	0.688	+.015 / -.000	16.40
UP18703625-375	4.000	+.004 / -.000	4.000	3.625	0.375	4.000	+.004 / -.000	3.625	+.000 / -.002	0.413	+.015 / -.000	11.55
UP25003500	4.000	+.004 / -.000	4.000	3.500	0.250	4.000	+.004 / -.000	3.500	+.000 / -.003	0.275	+.015 / -.000	11.70
UP25003500-375	4.000	+.004 / -.000	4.000	3.500	0.375	4.000	+.004 / -.000	3.500	+.000 / -.003	0.413	+.015 / -.000	11.70
UP31203375-500	4.000	+.004 / -.000	4.000	3.375	0.500	4.000	+.004 / -.000	3.375	+.000 / -.004	0.550	+.015 /-.000	13.00
UP37503250-437	4.000	+.004 / -.000	4.000	3.250	0.437	4.000	+.004 / -.000	3.250	+.000 / -.005	0.481	+.015 / -.000	17.45
UP37503250-500	4.000	+.004 / -.000	4.000	3.250	0.500	4.000	+.004 / -.000	3.250	+.000 / -.005	0.550	+.015 / -.000	17.45
UP37503250-625	4.000	+.004 / -.000	4.000	3.250	0.625	4.000	+.004 / -.000	3.250	+.000 / -.005	0.688	+.015 / -.000	17.45
UP25003750-375	4.250	+.004 / -.000	4.250	3.750	0.375	4.250	+.004 / -.000	3.750	+.000 / -.003	0.413	+.015 / -.000	12.35
UP37503500-500	4.250	+.004 / -.000	4.250	3.500	0.500	4.250	+.004 / -.000	3.500	+.000 / -.005	0.550	+.015 / -.000	18.65
UP25004000-375	4.500	+.004 / -.000	4.500	4.000	0.375	4.500	+.004 / -.000	4.000	+.000 / -.003	0.413	+.015 / -.000	13.10
UP37503750	4.500	+.004 / -.000	4.500	3.750	0.375	4.500	+.004 / -.000	3.750	+.000 / -.005	0.413	+.015 / -.000	19.85
UP37503750-500	4.500	+.004 / -.000	4.500	3.750	0.500	4.500	+.004 / -.000	3.750	+.000 / -.005	0.550	+.015 / -.000	19.85
UP37503750-625	4.500	+.004 / -.000	4.500	3.750	0.625	4.500	+.004 / -.000	3.750	+.000 / -.005	0.688	+.015 / -.000	19.85
UP25004375-562	4.875	+.004 / -.000	4.875	4.375	0.562	4.875	+.004 / -.000	4.375	+.000 / -.003	0.618	+.015 / -.000	15.00
UP25004500	5.000	+.004 / -.000	5.000	4.500	0.250	5.000	+.004 / -.000	4.500	+.000 / -.003	0.275	+.015 / -.000	15.55
UP25004500-375	5.000	+.004 / -.000	5.000	4.500	0.375	5.000	+.004 / -.000	4.500	+.000 / -.003	0.413	+.015 / -.000	15.55
UP25004500-562	5.000	+.004 / -.000	5.000	4.500	0.562	5.000	+.004 / -.000	4.500	+.000 / -.003	0.618	+.015 / -.000	15.55
UP31204375-562	5.000	+.004 / -.000	5.000	4.375	0.562	5.000	+.004 / -.000	4.375	+.000 / -.004	0.618	+.015 / -.000	16.75
UP37504250	5.000	+.004 / -.000	5.000	4.250	0.375	5.000	+.004 / -.000	4.250	+.000 / -.005	0.413	+.015 / -.000	22.05
UP37504250-500	5.000	+.004 / -.000	5.000	4.250	0.500	5.000	+.004 / -.000	4.250	+.000 / -.005	0.550	+.015 / -.000	22.05
UP37504250-625	5.000	+.004 / -.000	5.000	4.250	0.625	5.000	+.004 / -.000	4.250	+.000 / -.005	0.688	+.015 / -.000	22.05
UP25004750-312	5.250	+.004 / -.000	5.250	4.750	0.312	5.250	+.004 / -.000	4.750	+.000 / -.003	0.343	+.015 / -.000	16.65
UP25004750-375	5.250	+.004 / -.000	5.250	4.750	0.375	5.250	+.004 / -.000	4.750	+.000 / -.003	0.413	+.015 / -.000	16.65
UP25005000-375	5.500	+.004 / -.000	5.500	5.000	0.375	5.500	+.004 / -.000	5.000	+.000 / -.003	0.413	+.015 / -.000	17.85
UP25005000-562	5.500	+.004 / -.000	5.500	5.000	0.562	5.500	+.004 / -.000	5.000	+.000 / -.003	0.618	+.015 / -.000	17.85
UP37504750-500	5.500	+.004 / -.000	5.500	4.750	0.500	5.500	+.004 / -.000	4.750	+.000 / -.005	0.550	+.015 / -.000	24.25
UP37505000-500	5.750	+.004 / -.000	5.750	5.000	0.500	5.750	+.004 / -.000	5.000	+.000 / -.005	0.550	+.015 / -.000	25.40
UP25005500	6.000	+.004 / -.000	6.000	5.500	0.250	6.000	+.004 / -.000	5.500	+.000 / -.003	0.275	+.015/-.000	20.90
UP25005500-375	6.000	+.004 / -.000	6.000	5.500	0.375	6.000	+.004 / -.000	5.500	+.000 / -.003	0.413	+.015 / -.000	20.90
UP25005500-562	6.000	+.004 / -.000	6.000	5.500	0.562	6.000	+.004 / -.000	5.500	+.000 / -.003	0.618	+.015 / -.000	20.90
UP31205375-625	6.000	+.004 / -.000	6.000	5.375	0.625	6.000	+.004 / -.000	5.375	+.000 / -.004	0.688	+.015 / -.000	22.10
UP37505250-500	6.000	+.004 / -.000	6.000	5.250	0.500	6.000	+.004 / -.000	5.250	+.000 / -.005	0.550	+.015 / -.000	26.35
UP37505250-625	6.000	+.004 / -.000	6.000	5.250	0.625	6.000	+.004 / -.000	5.250	+.000 / -.005	0.688	+.015 / -.000	26.35
UP50005000-625	6.000	+.004 / -.000	6.000	5.000	0.625	6.000	+.004 / -.000	5.000	+.000 / -.007	0.688	+.015 / -.000	34.95
UP37505500-500	6.250	+.004 / -.000	6.250	5.500	0.500	6.250	+.004 / -.000	5.500	+.000 / -.005	0.550	+.015 / -.000	27.45
UP37505750-625	6.500	+.004 / -.000	6.500	5.750	0.625	6.500	+.004 / -.000	5.750	+.000 / -.005	0.688	+.015 / -.000	28.50
UP37506250-500	7.000	+.005 / -.000	7.000	6.250	0.500	7.000	+.005 / -.000	6.250	+.000 / -.005	0.550	+.015 / -.000	30.80
UP37506250-625	7.000	+.005 / -.000	7.000	6.250	0.625	7.000	+.005 / -.000	6.250	+.000 / -.005	0.688	+.015 / -.000	30.80
UP37506750-625	7.500	+.005 / -.000	7.500	6.750	0.625	7.500	+.005 / -.000	6.750	+.000 / -.005	0.688	+.015 / -.000	32.30
UP37507250	8.000	+.005 / -.000	8.000	7.250	0.375	8.000	+.005 / -.000	7.250	+.000 / -.005	0.413	+.015 / -.000	34.85

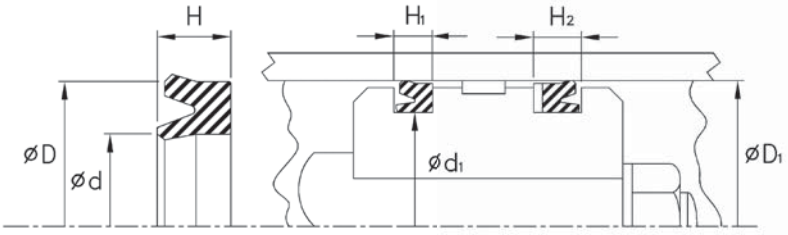
UP SERIES - AU 92A

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP37507250-500	8.000	+.005 / -.000	8.000	7.250	0.500	8.000	+.005 / -.000	7.250	+.000 / -.005	0.550	+.015 / -.000	34.85
UP37508250-625	9.000	+.005 / -.000	9.000	8.250	0.625	9.000	+.005 / -.000	8.250	+.000 / -.005	0.688	+.015 / -.000	39.45
UP37509250	10.000	+.005 / -.000	10.000	9.250	0.375	10.000	+.005 / -.000	9.250	+.000 / -.005	0.413	+.015 / -.000	48.50

UP/HD - Piston Seals

Polyurethane AU 92A





Temperature: -40/212F [-40/100C] **Pressure: 6000 PSI [415 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP12500750-187/HD	1.000	+.003 / -.000	1.000	0.750	0.187	1.000	+.003 / -.000	0.750	+.000 / -.005	0.218	+.015 / -.000	6.65
UP12500750-250/HD	1.000	+.003 / -.000	1.000	0.750	0.250	1.000	+.003 / -.000	0.750	+.000 / -.005	0.281	+.015 / -.000	6.80
UP12500812-250/HD	1.062	+.003 / -.000	1.062	0.812	0.250	1.062	+.003 / -.000	0.812	+.000 / -.005	0.281	+.015 / -.000	6.85
UP18700750-250/HD	1.125	+.003 / -.000	1.125	0.750	0.250	1.125	+.003 / -.000	0.750	+.000 / -.005	0.281	+.015 / -.000	7.05
UP12500875-250/HD	1.125	+.003 / -.000	1.125	0.875	0.250	1.125	+.003 / -.000	0.875	+.000 / -.005	0.281	+.015 / -.000	7.05
UP18700812/HD	1.187	+.003 / -.000	1.187	0.812	0.187	1.187	+.003 / -.000	0.812	+.000 / -.005	0.218	+.015 / -.000	6.85
UP18700812-250/HD	1.187	+.003 / -.000	1.187	0.812	0.250	1.187	+.003 / -.000	0.812	+.000 / -.005	0.281	+.015 / -.000	7.00
UP18700875-187/HD	1.250	+.003 / -.000	1.250	0.875	0.187	1.250	+.003 / -.000	0.875	+.000 / -.005	0.218	+.015 / -.000	7.05
UP18700875-250/HD	1.250	+.003 / -.000	1.250	0.875	0.250	1.250	+.003 / -.000	0.875	+.000 / -.005	0.281	+.015 / -.000	7.30
UP18700875-312/HD	1.250	+.003 / -.000	1.250	0.875	0.312	1.250	+.003 / -.000	0.875	+.000 / -.005	0.343	+.015 / -.000	7.50
UP12501000/HD	1.250	+.003 / -.000	1.250	1.000	0.125	1.250	+.003 / -.000	1.000	+.000 / -.005	0.156	+.015 / -.000	7.25
UP12501000-187/HD	1.250	+.003 / -.000	1.250	1.000	0.187	1.250	+.003 / -.000	1.000	+.000 / -.005	0.218	+.015 / -.000	7.55
UP12501000-250/HD	1.250	+.003 / -.000	1.250	1.000	0.250	1.250	+.003 / -.000	1.000	+.000 / -.005	0.281	+.015 / -.000	7.45
UP25001000/HD	1.500	+.003 / -.000	1.500	1.000	0.250	1.500	+.003 / -.000	1.000	+.000 / -.005	0.281	+.015 / -.000	7.75
UP25001000-312/HD	1.500	+.003 / -.000	1.500	1.000	0.312	1.500	+.003 / -.000	1.000	+.000 / -.005	0.343	+.015 / -.000	8.05
UP25001000-357/HD	1.500	+.003 / -.000	1.500	1.000	0.357	1.500	+.003 / -.000	1.000	+.000 / -.005	0.388	+.015 / -.000	8.15
UP25001000-375/HD	1.500	+.003 / -.000	1.500	1.000	0.375	1.500	+.003 / -.000	1.000	+.000 / -.005	0.406	+.015 / -.000	8.60
UP18701125-250/HD	1.500	+.003 / -.000	1.500	1.125	0.250	1.500	+.003 / -.000	1.125	+.000 / -.005	0.281	+.015 / -.000	7.95
UP18701125-312/HD	1.500	+.003 / -.000	1.500	1.125	0.312	1.500	+.003 / -.000	1.125	+.000 / -.005	0.343	+.015 / -.000	8.15
UP18701125-375/HD	1.500	+.003 / -.000	1.500	1.125	0.375	1.500	+.003 / -.000	1.125	+.000 / -.005	0.406	+.015 / -.000	8.35

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP25001125/HD	1.625	+.003 / -.000	1.625	1.125	0.250	1.625	+.003 / -.000	1.125	+.000 / -.005	0.281	+.015 / -.000	8.35
UP25001125-312/HD	1.625	+.003 / -.000	1.625	1.125	0.312	1.625	+.003 / -.000	1.125	+.000 / -.005	0.343	+.015 / -.000	8.45
UP18701250-250/HD	1.625	+.003 / -.000	1.625	1.250	0.250	1.625	+.003 / -.000	1.250	+.000 / -.005	0.281	+.015 / -.000	8.20
UP18701250-312/HD	1.625	+.003 / -.000	1.625	1.250	0.312	1.625	+.003 / -.000	1.250	+.000 / -.005	0.343	+.015 / -.000	8.40
UP31201125-437/HD	1.750	+.003 / -.000	1.750	1.125	0.437	1.750	+.003 / -.000	1.125	+.000 / -.005	0.468	+.015 / -.000	9.75
UP31201125-500/HD	1.750	+.003 / -.000	1.750	1.125	0.500	1.750	+.003 / -.000	1.125	+.000 / -.005	0.531	+.015 / -.000	10.15
UP25001250/HD	1.750	+.003 / -.000	1.750	1.250	0.250	1.750	+.003 / -.000	1.250	+.000 / -.007	0.281	+.015 / -.000	8.65
UP25001250-375/HD	1.750	+.003 / -.000	1.750	1.250	0.375	1.750	+.003 / -.000	1.250	+.000 / -.007	0.406	+.015 / -.000	9.25
UP18701375-312/HD	1.750	+.003 / -.000	1.750	1.375	0.312	1.750	+.003 / -.000	1.375	+.000 / -.007	0.343	+.015 / -.000	8.90
UP18701375-375/HD	1.750	+.003 / -.000	1.750	1.375	0.375	1.750	+.003 / -.000	1.375	+.000 / -.007	0.406	+.015 / -.000	9.05
UP31201250-469/HD	1.875	+.003 / -.000	1.875	1.250	0.469	1.875	+.003 / -.000	1.250	+.000 / -.007	0.500	+.015 / -.000	10.55
UP31201250-500/HD	1.875	+.003 / -.000	1.875	1.250	0.500	1.875	+.003 / -.000	1.250	+.000 / -.007	0.531	+.015 / -.000	10.55
UP25001375/HD	1.875	+.003 / -.000	1.875	1.375	0.250	1.875	+.003 / -.000	1.375	+.000 / -.007	0.281	+.015 / -.000	9.35
UP31201375-437/HD	2.000	+.003 / -.000	2.000	1.375	0.437	2.000	+.003 / -.000	1.375	+.000 / -.007	0.468	+.015 / -.000	10.75
UP31201375-500/HD	2.000	+.003 / -.000	2.000	1.375	0.500	2.000	+.003 / -.000	1.375	+.000 / -.007	0.531	+.015 / -.000	10.95
UP25001500-312/HD	2.000	+.003 / -.000	2.000	1.500	0.312	2.000	+.003 / -.000	1.500	+.000 / -.007	0.343	+.015 / -.000	10.20
UP25001500-375/HD	2.000	+.003 / -.000	2.000	1.500	0.375	2.000	+.003 / -.000	1.500	+.000 / -.007	0.406	+.015 / -.000	10.40
UP18701625-312/HD	2.000	+.003 / -.000	2.000	1.625	0.312	2.000	+.003 / -.000	1.625	+.000 / -.007	0.343	+.015 / -.000	9.60
UP18701625-375/HD	2.000	+.003 / -.000	2.000	1.625	0.375	2.000	+.003 / -.000	1.625	+.000 / -.007	0.406	+.015 / -.000	9.60
UP31201500-500/HD	2.125	+.003 / -.000	2.125	1.500	0.500	2.125	+.003 / -.000	1.500	+.000 / -.007	0.531	+.015 / -.000	12.20
UP18701750-312/HD	2.125	+.003 / -.000	2.125	1.750	0.312	2.125	+.003 / -.000	1.750	+.000 / -.007	0.343	+.015 / -.000	10.00
UP18701750-375/HD	2.125	+.003 / -.000	2.125	1.750	0.375	2.125	+.003 / -.000	1.750	+.000 / -.007	0.406	+.015 / -.000	10.20
UP31201625-500/HD	2.250	+.003 / -.000	2.250	1.625	0.500	2.250	+.003 / -.000	1.625	+.000 / -.007	0.531	+.015 / -.000	12.70
UP25001750-312/HD	2.250	+.003 / -.000	2.250	1.750	0.312	2.250	+.003 / -.000	1.750	+.000 / -.007	0.343	+.015 / -.000	11.20
UP25001750-375/HD	2.250	+.003 / -.000	2.250	1.750	0.375	2.250	+.003 / -.000	1.750	+.000 / -.007	0.406	+.015 / -.000	11.45
UP31201750-500/HD	2.375	+.003 / -.000	2.375	1.750	0.500	2.375	+.003 / -.000	1.750	+.000 / -.007	0.531	+.015 / -.000	13.50
UP18702000-312/HD	2.375	+.003 / -.000	2.375	2.000	0.312	2.375	+.003 / -.000	2.000	+.000 / -.008	0.343	+.015 / -.000	11.05
UP18702000-375/HD	2.375	+.003 / -.000	2.375	2.000	0.375	2.375	+.003 / -.000	2.000	+.000 / -.008	0.406	+.015 / -.000	11.35
UP31201875-375/HD	2.500	+.003 / -.000	2.500	1.875	0.375	2.500	+.003 / -.000	1.875	+.000 / -.008	0.406	+.015 / -.000	13.75
UP31201875-437/HD	2.500	+.003 / -.000	2.500	1.875	0.437	2.500	+.003 / -.000	1.875	+.000 / -.008	0.468	+.015 / -.000	14.10
UP31201875-500/HD	2.500	+.003 / -.000	2.500	1.875	0.500	2.500	+.003 / -.000	1.875	+.000 / -.008	0.531	+.015 / -.000	14.30
UP25002000-312/HD	2.500	+.003 / -.000	2.500	2.000	0.312	2.500	+.003 / -.000	2.000	+.000 / -.008	0.343	+.015 / -.000	12.10
UP25002000-375/HD	2.500	+.003 / -.000	2.500	2.000	0.375	2.500	+.003 / -.000	2.000	+.000 / -.008	0.406	+.015 / -.000	12.45
UP18702125/HD	2.500	+.003 / -.000	2.500	2.125	0.187	2.500	+.003 / -.000	2.125	+.000 / -.008	0.218	+.015 / -.000	11.85
UP18702125-312/HD	2.500	+.003 / -.000	2.500	2.125	0.312	2.500	+.003 / -.000	2.125	+.000 / -.008	0.343	+.015 / -.000	12.00
UP18702125-375/HD	2.500	+.003 / -.000	2.500	2.125	0.375	2.500	+.003 / -.000	2.125	+.000 / -.008	0.406	+.015 / -.000	12.30
UP25002125-375/HD	2.625	+.003 / -.000	2.625	2.125	0.375	2.625	+.003 / -.000	2.125	+.000 / -.008	0.406	+.015 / -.000	13.25
UP37502000/HD	2.750	+.003 / -.000	2.750	2.000	0.375	2.750	+.003 / -.000	2.000	+.000 / -.008	0.406	+.015 / -.000	19.05
UP37502000-500/HD	2.750	+.003 / -.000	2.750	2.000	0.500	2.750	+.003 / -.000	2.000	+.000 / -.008	0.531	+.015 / -.000	20.35
UP31202125/HD	2.750	+.003 / -.000	2.750	2.125	0.312	2.750	+.003 / -.000	2.125	+.000 / -.008	0.343	+.015 / -.000	15.20
UP25002250-312/HD	2.750	+.003 / -.000	2.750	2.250	0.312	2.750	+.003 / -.000	2.250	+.000 / -.008	0.343	+.015 / -.000	13.75
UP25002250-375/HD	2.750	+.003 / -.000	2.750	2.250	0.375	2.750	+.003 / -.000	2.250	+.000 / -.008	0.406	+.015 / -.000	14.05
UP37502125-160/HD	2.875	+.003 / -.000	2.875	2.125	0.160	2.875	+.003 / -.000	2.125	+.000 / -.008	0.191	+.015 / -.000	17.50
UP25002375-312/HD	2.875	+.003 / -.000	2.875	2.375	0.312	2.875	+.003 / -.000	2.375	+.000 / -.008	0.343	+.015 / -.000	14.15
UP25002375-375/HD	2.875	+.003 / -.000	2.875	2.375	0.375	2.875	+.003 / -.000	2.375	+.000 / -.008	0.406	+.015 / -.000	14.35
UP37502250/HD	3.000	+.004 / -.000	3.000	2.250	0.375	3.000	+.004 / -.000	2.250	+.000 / -.008	0.406	+.015 / -.000	21.50
UP37502250-500/HD	3.000	+.004 / -.000	3.000	2.250	0.500	3.000	+.004 / -.000	2.250	+.000 / -.008	0.531	+.015 / -.000	21.85
UP37502250-625/HD	3.000	+.004 / -.000	3.000	2.250	0.625	3.000	+.004 / -.000	2.250	+.000 / -.008	0.656	+.015 / -.000	22.65

UP/HD SERIES - AU 92A

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP31202375-375/HD	3.000	+.004 / -.000	3.000	2.375	0.375	3.000	+.004 / -.000	2.375	+.000 / -.008	0.406	+.015 / -.000	16.85
UP31202375-460/HD	3.000	+.004 / -.000	3.000	2.375	0.460	3.000	+.004 / -.000	2.375	+.000 / -.008	0.491	+.015 / -.000	17.00
UP31202375-500/HD	3.000	+.004 / -.000	3.000	2.375	0.500	3.000	+.004 / -.000	2.375	+.000 / -.008	0.531	+.015 / -.000	17.25
UP25002500-312/HD	3.000	+.004 / -.000	3.000	2.500	0.312	3.000	+.004 / -.000	2.500	+.000 / -.008	0.343	+.015 / -.000	15.20
UP25002500-375/HD	3.000	+.004 / -.000	3.000	2.500	0.375	3.000	+.004 / -.000	2.500	+.000 / -.008	0.406	+.015 / -.000	15.45
UP37502500/HD	3.250	+.004 / -.000	3.250	2.500	0.375	3.250	+.004 / -.000	2.500	+.000 / -.008	0.406	+.015 / -.000	22.60
UP37502500-500/HD	3.250	+.004 / -.000	3.250	2.500	0.500	3.250	+.004 / -.000	2.500	+.000 / -.008	0.531	+.015 / -.000	23.30
UP37502500-625/HD	3.250	+.004 / -.000	3.250	2.500	0.625	3.250	+.004 / -.000	2.500	+.000 / -.008	0.656	+.015 / -.000	24.85
UP25002750-375/HD	3.250	+.004 / -.000	3.250	2.750	0.375	3.250	+.004 / -.000	2.750	+.000 / -.008	0.406	+.015 / -.000	16.90
UP37502750/HD	3.500	+.004 / -.000	3.500	2.750	0.375	3.500	+.004 / -.000	2.750	+.000 / -.008	0.406	+.015 / -.000	24.65
UP37502750-500/HD	3.500	+.004 / -.000	3.500	2.750	0.500	3.500	+.004 / -.000	2.750	+.000 / -.008	0.531	+.015 / -.000	25.70
UP37502750-625/HD	3.500	+.004 / -.000	3.500	2.750	0.625	3.500	+.004 / -.000	2.750	+.000 / -.008	0.656	+.015 / -.000	27.10
UP31202875-375/HD	3.500	+.004 / -.000	3.500	2.875	0.375	3.500	+.004 / -.000	2.875	+.000 / -.008	0.406	+.015 / -.000	19.60
UP31202875-500/HD	3.500	+.004 / -.000	3.500	2.875	0.500	3.500	+.004 / -.000	2.875	+.000 / -.008	0.531	+.015 / -.000	20.10
UP25003000-375/HD	3.500	+.004 / -.000	3.500	3.000	0.375	3.500	+.004 / -.000	3.000	+.000 / -.009	0.406	+.015 / -.000	18.25
UP18703125-375/HD	3.500	+.004 / -.000	3.500	3.125	0.375	3.500	+.004 / -.000	3.125	+.000 / -.009	0.406	+.015 / -.000	16.90
UP25003125-375/HD	3.625	+.004 / -.000	3.625	3.125	0.375	3.625	+.004 / -.000	3.125	+.000 / -.009	0.406	+.015 / -.000	18.85
UP37503000/HD	3.750	+.004 / -.000	3.750	3.000	0.375	3.750	+.004 / -.000	3.000	+.000 / -.009	0.406	+.015 / -.000	27.35
UP37503000-500/HD	3.750	+.004 / -.000	3.750	3.000	0.500	3.750	+.004 / -.000	3.000	+.000 / -.009	0.531	+.015 / -.000	28.10
UP37503000-625/HD	3.750	+.004 / -.000	3.750	3.000	0.625	3.750	+.004 / -.000	3.000	+.000 / -.009	0.656	+.015 / -.000	29.50
UP31203125-375/HD	3.750	+.004 / -.000	3.750	3.125	0.375	3.750	+.004 / -.000	3.125	+.000 / -.009	0.406	+.015 / -.000	21.45
UP31203125-500/HD	3.750	+.004 / -.000	3.750	3.125	0.500	3.750	+.004 / -.000	3.125	+.000 / -.009	0.531	+.015 / -.000	21.80
UP25003250-375/HD	3.750	+.004 / -.000	3.750	3.250	0.375	3.750	+.004 / -.000	3.250	+.000 / -.009	0.406	+.015 / -.000	19.45
UP37503250/HD	4.000	+.004 / -.000	4.000	3.250	0.375	4.000	+.004 / -.000	3.250	+.000 / -.009	0.406	+.015 / -.000	27.55
UP37503250-469/HD	4.000	+.004 / -.000	4.000	3.250	0.469	4.000	+.004 / -.000	3.250	+.000 / -.009	0.500	+.015 / -.000	28.00
UP37503250-500/HD	4.000	+.004 / -.000	4.000	3.250	0.500	4.000	+.004 / -.000	3.250	+.000 / -.009	0.531	+.015 / -.000	28.00
UP37503250-625/HD	4.000	+.004 / -.000	4.000	3.250	0.625	4.000	+.004 / -.000	3.250	+.000 / -.009	0.656	+.015 / -.000	31.35
UP31203375-375/HD	4.000	+.004 / -.000	4.000	3.375	0.375	4.000	+.004 / -.000	3.375	+.000 / -.009	0.406	+.015 / -.000	22.95
UP31203375-500/HD	4.000	+.004 / -.000	4.000	3.375	0.500	4.000	+.004 / -.000	3.375	+.000 / -.009	0.531	+.015 / -.000	23.45
UP25003500-375/HD	4.000	+.004 / -.000	4.000	3.500	0.375	4.000	+.004 / -.000	3.500	+.000 / -.009	0.406	+.015 / -.000	20.95
UP18703625-375/HD	4.000	+.004 / -.000	4.000	3.625	0.375	4.000	+.004 / -.000	3.625	+.000 / -.009	0.406	+.015 / -.000	24.25
UP25003625-375/HD	4.125	+.004 / -.000	4.125	3.625	0.375	4.125	+.004 / -.000	3.625	+.000 / -.009	0.406	+.015 / -.000	21.45
UP37503500/HD	4.250	+.004 / -.000	4.250	3.500	0.375	4.250	+.004 / -.000	3.500	+.000 / -.009	0.406	+.015 / -.000	32.20
UP31203625-375/HD	4.250	+.004 / -.000	4.250	3.625	0.375	4.250	+.004 / -.000	3.625	+.000 / -.009	0.406	+.015 / -.000	24.80
UP31203625-500/HD	4.250	+.004 / -.000	4.250	3.625	0.500	4.250	+.004 / -.000	3.625	+.000 / -.009	0.531	+.015 / -.000	25.80
UP25003750-375/HD	4.250	+.004 / -.000	4.250	3.750	0.375	4.250	+.004 / -.000	3.750	+.000 / -.009	0.406	+.015 / -.000	22.15
UP37503750/HD	4.500	+.004 / -.000	4.500	3.750	0.375	4.500	+.004 / -.000	3.750	+.000 / -.009	0.406	+.015 / -.000	34.50
UP37503750-500/HD	4.500	+.004 / -.000	4.500	3.750	0.500	4.500	+.004 / -.000	3.750	+.000 / -.009	0.531	+.015 / -.000	34.60
UP37503750-625/HD	4.500	+.004 / -.000	4.500	3.750	0.625	4.500	+.004 / -.000	3.750	+.000 / -.009	0.656	+.015 / -.000	34.75
UP31203875-375/HD	4.500	+.004 / -.000	4.500	3.875	0.375	4.500	+.004 / -.000	3.875	+.000 / -.009	0.406	+.015 / -.000	26.25
UP31203875-500/HD	4.500	+.004 / -.000	4.500	3.875	0.500	4.500	+.004 / -.000	3.875	+.000 / -.009	0.531	+.015 / -.000	26.85
UP25004000-562/HD	4.500	+.004 / -.000	4.500	4.000	0.562	4.500	+.004 / -.000	4.000	+.000 / -.009	0.593	+.015 / -.000	23.50
UP31204000-375/HD	4.625	+.004 / -.000	4.625	4.000	0.375	4.625	+.004 / -.000	4.000	+.000 / -.009	0.406	+.015 / -.000	32.90
UP31204000-500/HD	4.625	+.004 / -.000	4.625	4.000	0.500	4.625	+.004 / -.000	4.000	+.000 / -.009	0.531	+.015 / -.000	26.95
UP62503500-562/HD	4.750	+.004 / -.000	4.750	3.500	0.562	4.750	+.004 / -.000	3.500	+.000 / -.009	0.593	+.015 / -.000	47.90
UP25004312-375/HD	4.812	+.004 / -.000	4.812	4.312	0.375	4.812	+.004 / -.000	4.312	+.000 / -.009	0.406	+.015 / -.000	26.60
UP37504250-500/HD	5.000	+.004 / -.000	5.000	4.250	0.500	5.000	+.004 / -.000	4.250	+.000 / -.009	0.531	+.015 / -.000	37.70
UP37504250-625/HD	5.000	+.004 / -.000	5.000	4.250	0.625	5.000	+.004 / -.000	4.250	+.000 / -.009	0.656	+.015 / -.000	38.15

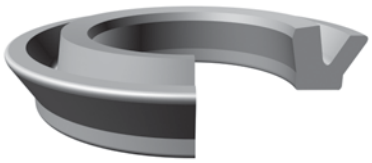
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP25004500-437/HD	5.000	+.004 / -.000	5.000	4.500	0.437	5.000	+.004 / -.000	4.500	+.000 / -.009	0.468	+.015 / -.000	28.00
UP25004500-562/HD	5.000	+.004 / -.000	5.000	4.500	0.562	5.000	+.004 / -.000	4.500	+.000 / -.009	0.593	+.015 / -.000	28.00
UP37504375-500/HD	5.125	+.004 / -.000	5.125	4.375	0.500	5.125	+.004 / -.000	4.375	+.000 / -.009	0.531	+.015 / -.000	39.00
UP37504500-375/HD	5.250	+.004 / -.000	5.250	4.500	0.375	5.250	+.004 / -.000	4.500	+.000 / -.009	0.406	+.015 / -.000	40.20
UP37504500-500/HD	5.250	+.004 / -.000	5.250	4.500	0.500	5.250	+.004 / -.000	4.500	+.000 / -.009	0.531	+.015 / -.000	40.35
UP37504500-625/HD	5.250	+.004 / -.000	5.250	4.500	0.625	5.250	+.004 / -.000	4.500	+.000 / -.009	0.656	+.015 / -.000	41.70
UP37504750-500/HD	5.500	+.004 / -.000	5.500	4.750	0.500	5.500	+.004 / -.000	4.750	+.000 / -.009	0.531	+.015 / -.000	43.55
UP37504750-625/HD	5.500	+.004 / -.000	5.500	4.750	0.625	5.500	+.004 / -.000	4.750	+.000 / -.009	0.656	+.015 / -.000	43.55
UP25005000-562/HD	5.500	+.004 / -.000	5.500	5.000	0.562	5.500	+.004 / -.000	5.000	+.000 / -.009	0.593	+.015 / -.000	32.00
UP37505000-500/HD	5.750	+.004 / -.000	5.750	5.000	0.500	5.750	+.004 / -.000	5.000	+.000 / -.010	0.531	+.015 / -.000	44.80
UP37505000-625/HD	5.750	+.004 / -.000	5.750	5.000	0.625	5.750	+.004 / -.000	5.000	+.000 / -.010	0.656	+.015 / -.000	45.65
UP37505250/HD	6.000	+.004 / -.000	6.000	5.250	0.375	6.000	+.004 / -.000	5.250	+.000 / -.010	0.406	+.015 / -.000	44.30
UP37505250-500/HD	6.000	+.004 / -.000	6.000	5.250	0.500	6.000	+.004 / -.000	5.250	+.000 / -.010	0.531	+.015 / -.000	45.15
UP37505250-525/HD	6.000	+.004 / -.000	6.000	5.250	0.525	6.000	+.004 / -.000	5.250	+.000 / -.010	0.556	+.015 / -.000	45.90
UP37505250-625/HD	6.000	+.004 / -.000	6.000	5.250	0.625	6.000	+.004 / -.000	5.250	+.000 / -.010	0.656	+.015 / -.000	47.55
UP31205375-375/HD	6.000	+.004 / -.000	6.000	5.375	0.375	6.000	+.004 / -.000	5.375	+.000 / -.010	0.406	+.015 / -.000	37.65
UP31205375-500/HD	6.000	+.004 / -.000	6.000	5.375	0.500	6.000	+.004 / -.000	5.375	+.000 / -.010	0.531	+.015 / -.000	38.70
UP31205375-625/HD	6.000	+.004 / -.000	6.000	5.375	0.625	6.000	+.004 / -.000	5.375	+.000 / -.010	0.656	+.015 / -.000	39.75
UP25005500-500/HD	6.000	+.004 / -.000	6.000	5.500	0.500	6.000	+.004 / -.000	5.500	+.000 / -.010	0.531	+.015 / -.000	37.55
UP25005500-562/HD	6.000	+.004 / -.000	6.000	5.500	0.562	6.000	+.004 / -.000	5.500	+.000 / -.010	0.593	+.015 / -.000	37.55
UP50005250-625/HD	6.250	+.004 / -.000	6.250	5.250	0.625	6.250	+.004 / -.000	5.250	+.000 / -.010	0.656	+.015 / -.000	63.90
UP50005250-750/HD	6.250	+.004 / -.000	6.250	5.250	0.750	6.250	+.004 / -.000	5.250	+.000 / -.010	0.781	+.015 / -.000	64.75
UP37505500/HD	6.250	+.004 / -.000	6.250	5.500	0.375	6.250	+.004 / -.000	5.500	+.000 / -.010	0.406	+.015 / -.000	48.15
UP37505500-437/HD	6.250	+.004 / -.000	6.250	5.500	0.437	6.250	+.004 / -.000	5.500	+.000 / -.010	0.468	+.015 / -.000	48.45
UP37505500-625/HD	6.250	+.004 / -.000	6.250	5.500	0.625	6.250	+.004 / -.000	5.500	+.000 / -.010	0.656	+.015 / -.000	49.35
UP25005875-562/HD	6.375	+.004 / -.000	6.375	5.875	0.562	6.375	+.004 / -.000	5.875	+.000 / -.010	0.593	+.015 / -.000	40.45
UP50005500-750/HD	6.500	+.004 / -.000	6.500	5.500	0.750	6.500	+.004 / -.000	5.500	+.000 / -.010	0.781	+.015 / -.000	66.00
UP37505750-500/HD	6.500	+.004 / -.000	6.500	5.750	0.500	6.500	+.004 / -.000	5.750	+.000 / -.010	0.531	+.015 / -.000	51.15
UP37505750-625/HD	6.500	+.004 / -.000	6.500	5.750	0.625	6.500	+.004 / -.000	5.750	+.000 / -.010	0.656	+.015 / -.000	49.35
UP25006000-562/HD	6.500	+.004 / -.000	6.500	6.000	0.562	6.500	+.004 / -.000	6.000	+.000 / -.010	0.593	+.015 / -.000	41.35
UP37506000-500/HD	6.750	+.005 / -.000	6.750	6.000	0.500	6.750	+.005 / -.000	6.000	+.000 / -.010	0.531	+.015 / -.000	52.30
UP37506000-625/HD	6.750	+.005 / -.000	6.750	6.000	0.625	6.750	+.005 / -.000	6.000	+.000 / -.010	0.656	+.015 / -.000	53.35
UP50006000-750/HD	7.000	+.005 / -.000	7.000	6.000	0.750	7.000	+.005 / -.000	6.000	+.000 / -.010	0.781	+.015 / -.000	67.75
UP37506250/HD	7.000	+.005 / -.000	7.000	6.250	0.375	7.000	+.005 / -.000	6.250	+.000 / -.010	0.406	+.015 / -.000	53.10
UP37506250-500/HD	7.000	+.005 / -.000	7.000	6.250	0.500	7.000	+.005 / -.000	6.250	+.000 / -.010	0.531	+.015 / -.000	54.15
UP37506250-625/HD	7.000	+.005 / -.000	7.000	6.250	0.625	7.000	+.005 / -.000	6.250	+.000 / -.010	0.656	+.015 / -.000	54.15
UP37506500/HD	7.250	+.005 / -.000	7.250	6.500	0.375	7.250	+.005 / -.000	6.500	+.000 / -.010	0.406	+.015 / -.000	54.35
UP37506500-500/HD	7.250	+.005 / -.000	7.250	6.500	0.500	7.250	+.005 / -.000	6.500	+.000 / -.010	0.531	+.015 / -.000	56.10
UP37506500-625/HD	7.250	+.005 / -.000	7.250	6.500	0.625	7.250	+.005 / -.000	6.500	+.000 / -.010	0.656	+.015 / -.000	56.10
UP50006500-590/HD	7.500	+.005 / -.000	7.500	6.500	0.590	7.500	+.005 / -.000	6.500	+.000 / -.010	0.621	+.015 / -.000	68.30
UP50006500-625/HD	7.500	+.005 / -.000	7.500	6.500	0.625	7.500	+.005 / -.000	6.500	+.000 / -.010	0.656	+.015 / -.000	69.35
UP50006500-750/HD	7.500	+.005 / -.000	7.500	6.500	0.750	7.500	+.005 / -.000	6.500	+.000 / -.010	0.781	+.015 / -.000	71.00
UP37506750-500/HD	7.500	+.005 / -.000	7.500	6.750	0.500	7.500	+.005 / -.000	6.750	+.000 / -.010	0.531	+.015 / -.000	57.25
UP37506750-625/HD	7.500	+.005 / -.000	7.500	6.750	0.625	7.500	+.005 / -.000	6.750	+.000 / -.010	0.656	+.015 / -.000	60.00
UP50007000/HD	8.000	+.005 / -.000	8.000	7.000	0.500	8.000	+.005 / -.000	7.000	+.000 / -.011	0.531	+.015 / -.000	75.05
UP50007000-625/HD	8.000	+.005 / -.000	8.000	7.000	0.625	8.000	+.005 / -.000	7.000	+.000 / -.011	0.656	+.015 / -.000	75.20
UP50007000-750/HD	8.000	+.005 / -.000	8.000	7.000	0.750	8.000	+.005 / -.000	7.000	+.000 / -.011	0.781	+.015 / -.000	76.00
UP37507250-500/HD	8.000	+.005 / -.000	8.000	7.250	0.500	8.000	+.005 / -.000	7.250	+.000 / -.011	0.531	+.015 / -.000	62.10

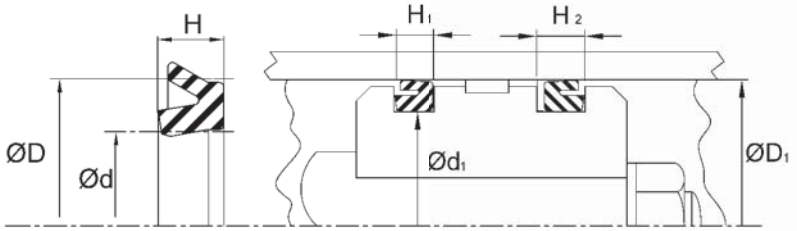
UP/HD SERIES - AU 92A

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UP37507250-625/HD	8.000	+.005 / -.000	8.000	7.250	0.625	8.000	+.005 / -.000	7.250	+.000 / -.011	0.656	+.015 / -.000	62.60
UP62507250/HD	8.500	+.005 / -.000	8.500	7.250	0.625	8.500	+.005 / -.000	7.250	+.000 / -.011	0.656	+.015 / -.000	117.20
UP50007500-625/HD	8.500	+.005 / -.000	8.500	7.500	0.625	8.500	+.005 / -.000	7.500	+.000 / -.011	0.656	+.015 / -.000	76.70
UP50007500-750/HD	8.500	+.005 / -.000	8.500	7.500	0.750	8.500	+.005 / -.000	7.500	+.000 / -.011	0.781	+.015 / -.000	81.10
UP50008000-625/HD	9.000	+.005 / -.000	9.000	8.000	0.625	9.000	+.005 / -.000	8.000	+.000 / -.011	0.656	+.015 / -.000	82.00
UP50008000-750/HD	9.000	+.005 / -.000	9.000	8.000	0.750	9.000	+.005 / -.000	8.000	+.000 / -.011	0.781	+.015 / -.000	86.35
UP50009000-625/HD	10.000	+.005 / -.000	10.000	9.000	0.625	10.000	+.005 / -.000	9.000	+.000 / -.011	0.656	+.015 / -.000	92.80
UP50009000-750/HD	10.000	+.005 / -.000	10.000	9.000	0.750	10.000	+.005 / -.000	9.000	+.000 / -.011	0.781	+.015 / -.000	96.05
UP62509250-750/HD	10.500	+.005 / -.000	10.500	9.250	0.750	10.500	+.005 / -.000	9.250	+.000 / -.011	0.781	+.015 / -.000	141.40
UP50010000-750/HD	11.000	+.006 / -.000	11.000	10.000	0.750	11.000	+.006 / -.000	10.000	+.000 / -.012	0.781	+.015 / -.000	106.50
UP50011000-625/HD	12.000	+.006 / -.000	12.000	11.000	0.625	12.000	+.006 / -.000	11.000	+.000 / -.012	0.656	+.015 / -.000	154.20
UP50011000-750/HD	12.000	+.006 / -.000	12.000	11.000	0.750	12.000	+.006 / -.000	11.000	+.000 / -.012	0.781	+.015 / -.000	159.45
UP62514750-750/HD	16.000	+.006 / -.000	16.000	14.750	0.750	16.000	+.006 / -.000	14.750	+.000 / -.012	0.781	+.015 / -.000	296.25
UP62514750-1000/HD	16.000	+.006 / -.000	16.000	14.750	1.000	16.000	+.006 / -.000	14.750	+.000 / -.012	1.031	+.015 / -.000	319.50

E4 - Piston Seals

Nitroxile 83A





Temperature: -10/250F [-23/121C] **Pressure: 1250 PSI [85 BAR]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
E40400375/4274	0.625	+.003 / -.000	0.625	0.375	0.125	0.625	+.003 / -.000	0.375	+.000 / -.001	0.156	+.010 / -.010	8.55
E40400500/4274	0.750	+.003 / -.000	0.750	0.500	0.125	0.750	+.003 / -.000	0.500	+.000 / -.001	0.156	+.010 / -.010	8.60
E40400625/4274	0.875	+.003 / -.000	0.875	0.625	0.125	0.875	+.003 / -.000	0.625	+.000 / -.001	0.156	+.010 / -.010	8.70
E40400750/4274	1.000	+.003 / -.000	1.000	0.750	0.125	1.000	+.003 / -.000	0.750	+.000 / -.001	0.156	+.010 / -.010	8.90
E40400875/4274	1.125	+.003 / -.000	1.125	0.875	0.125	1.125	+.003 / -.000	0.875	+.000 / -.001	0.156	+.010 / -.010	9.05
E40501187/4274	1.500	+.003 / -.000	1.500	1.187	0.156	1.500	+.003 / -.000	1.187	+.000 / -.001	0.188	+.010 / -.010	11.25
E40801000/4274	1.500	+.003 / -.000	1.500	1.000	0.250	1.500	+.003 / -.000	1.000	+.000 / -.003	0.281	+.010 / -.010	16.45
E40501312/4274	1.625	+.003 / -.000	1.625	1.312	0.156	1.625	+.003 / -.000	1.312	+.000 / -.001	0.188	+.010 / -.010	11.50
E40601375/4274	1.750	+.003 / -.000	1.750	1.375	0.187	1.750	+.003 / -.000	1.375	+.000 / -.002	0.219	+.010 / -.010	11.60
E40601625/4274	2.000	+.003 / -.000	2.000	1.625	0.187	2.000	+.003 / -.000	1.625	+.000 / -.002	0.219	+.010 / -.010	12.30
E40602125/4274	2.500	+.003 / -.000	2.500	2.125	0.187	2.500	+.003 / -.000	2.125	+.000 / -.003	0.219	+.010 / -.010	14.05
E40702562/4274	3.000	+.004 / -.000	3.000	2.562	0.218	3.000	+.004 / -.000	2.562	+.000 / -.003	0.250	+.010 / -.010	14.35

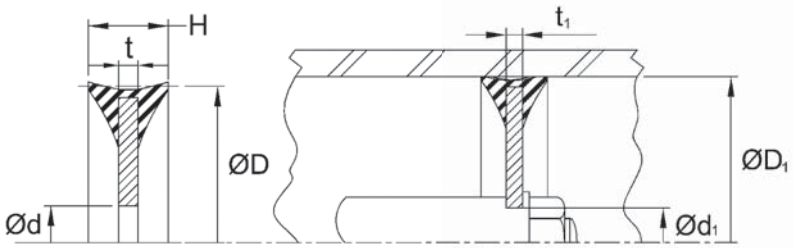
www.sealsonline.com

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
E40702812/4274	3.250	+.004 / -.000	3.250	2.812	0.218	3.250	+.004 / -.000	2.812	+.000 / -.003	0.250	+.010 / -.010	16.35
E40803500/4274	4.000	+.004 / -.000	4.000	3.500	0.250	4.000	+.004 / -.000	3.500	+.000 / -.003	0.281	+.010 / -.010	19.30
E40804500/4274	5.000	+.004 / -.000	5.000	4.500	0.250	5.000	+.004 / -.000	4.500	+.000 / -.003	0.281	+.010 / -.010	22.10
E40805500/4274	6.000	+.004 / -.000	6.000	5.500	0.250	6.000	+.004 / -.000	5.500	+.000 / -.003	0.281	+.010 / -.010	28.35
E40904437/4274	5.000	+.004 / -.000	5.000	4.437	0.281	5.000	+.004 / -.000	4.437	+.000 / -.003	0.312	+.010 / -.010	38.05
E41005375/4274	6.000	+.004 / -.000	6.000	5.375	0.312	6.000	+.004 / -.000	5.375	+.000 / -.003	0.344	+.010 / -.010	43.20
E41007375/4274	8.000	+.005 / -.000	8.000	7.375	0.312	8.000	+.005 / -.000	7.375	+.000 / -.004	0.344	+.010 / -.010	52.55
E41109312/4274	10.000	+.005 / -.000	10.000	9.312	0.343	10.000	+.005 / -.000	9.312	+.000 / -.004	0.375	+.010 / -.010	74.90

CB - Piston Seals

Nitrile/Steel





Temperature: -40/250F [-40/121C] **Pressure: 150 PSI [10 BAR]**

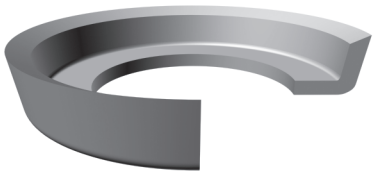
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CB-28100	1.000	+.003 / -.000	1.000	0.250	0.375	0.093					29.70
CB-28118	1.125	+.003 / -.000	1.125	0.250	0.500	0.093					O/R
CB-28114	1.250	+.003 / -.000	1.250	0.250	0.500	0.093					30.75
CB-281516	1.312	+.003 / -.000	1.312	0.250	0.500	0.093					O/R
CB-28138	1.375	+.003 / -.000	1.375	0.250	0.500	0.093					31.25
CB-28112	1.500	+.003 / -.000	1.500	0.250	0.500	0.093					32.75
CB-28200	2.000	+.003 / -.000	2.000	0.375	0.562	0.125					32.90
CB-28218	2.125	+.003 / -.000	2.125	0.375	0.562	0.125					O/R
CB-28214	2.250	+.003 / -.000	2.250	0.375	0.562	0.125					34.00
CB-28238	2.375	+.003 / -.000	2.375	0.375	0.562	0.125					O/R
CB-28212	2.500	+.003 / -.000	2.500	0.375	0.562	0.125					42.45
CB-28258	2.625	+.003 / -.000	2.625	0.375	0.562	0.125					O/R
CB-28234	2.750	+.003 / -.000	2.750	0.375	0.562	0.125					O/R
CB-28300	3.000	+.004 / -.000	3.000	0.500	0.562	0.125					49.95
CB-28314	3.250	+.004 / -.000	3.250	0.500	0.625	0.125					57.55
CB-28312	3.500	+.004 / -.000	3.500	0.500	0.750	0.187					62.20
CB-28358	3.625	+.004 / -.000	3.625	0.500	0.750	0.187					O/R
CB-28334	3.750	+.004 / -.000	3.750	0.500	0.750	0.187					O/R
CB-28400	4.000	+.004 / -.000	4.000	0.500	0.750	0.187					70.20
CB-28414	4.250	+.004 / -.000	4.250	0.500	0.750	0.187					O/R
CB-28412	4.500	+.004 / -.000	4.500	0.750	0.750	0.187					104.25
CB-28500	5.000	+.004 / -.000	5.000	0.750	0.937	0.250					146.80

CB SERIES - NBR/STEEL

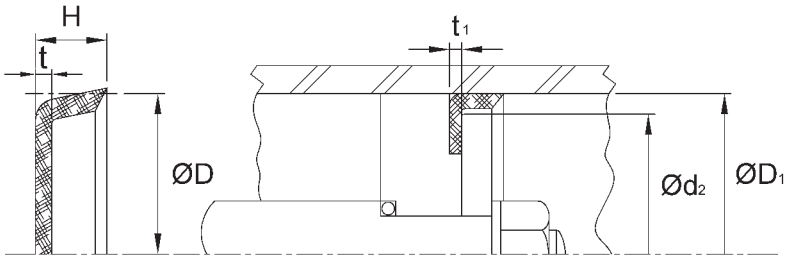
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CB-28512	5.500	+.004 / -.000	5.500	0.750	0.937	0.250					151.95
CB-28600	6.000	+.004 / -.000	6.000	0.750	0.937	0.250					157.90
CB-28612	6.500	+.004 / -.000	6.500	0.750	0.937	0.250					226.45
CB-28700	7.000	+.005 / -.000	7.000	1.250	1.000	0.250					239.65
CB-28800	8.000	+.005 / -.000	8.000	1.250	1.000	0.250					315.65
CB-28900	9.000	+.005 / -.000	9.000	1.250	1.000	0.250					469.90
CB-281000	10.000	+.006 / -.000	10.000	1.250	1.000	0.250					491.70
CB-281200	12.000	+.006 / -.000	12.000	1.250	1.000	0.250					726.55

CF - Piston Cups

Neo-Fabric



OPTIONAL CENTER HOLE



Temperature: -40/250F [-40/121C] **Pressure: 3000 PSI [210 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CF003750250	0.375	+.003 / -.000	0.375		0.250	0.062	0.125	+.016 / -.016	0.054	+.003 / -.000	5.85
CF004370250	0.437	+.003 / -.000	0.437		0.250	0.062	0.187	+.016 / -.016	0.054	+.003 / -.000	6.60
CF005000250	0.500	+.003 / -.000	0.500		0.250	0.062	0.250	+.016 / -.016	0.054	+.003 / -.000	5.85
CF005000500	0.500	+.003 / -.000	0.500		0.500	0.125	0.125	+.016 / -.016	0.116	+.003 / -.000	5.85
CF005620250	0.562	+.003 / -.000	0.562		0.250	0.093	0.312	+.016 / -.016	0.085	+.003 / -.000	6.60
CF006250281	0.625	+.003 / -.000	0.625		0.281	0.093	0.375	+.016 / -.016	0.085	+.003 / -.000	5.85
CF006870281	0.687	+.003 / -.000	0.687		0.281	0.093	0.437	+.016 / -.016	0.085	+.003 / -.000	6.60
CF007500250	0.750	+.003 / -.000	0.750		0.250	0.093	0.500	+.016 / -.016	0.085	+.003 / -.000	5.85
CF007500312	0.750	+.003 / -.000	0.750		0.312	0.093	0.500	+.016 / -.016	0.085	+.003 / -.000	5.85
CF007500500	0.750	+.003 / -.000	0.750		0.500	0.125	0.375	+.016 / -.016	0.116	+.003 / -.000	5.85
CF008750375	0.875	+.003 / -.000	0.875		0.375	0.093	0.625	+.016 / -.016	0.085	+.003 / -.000	7.45
CF009370500	0.937	+.003 / -.000	0.937		0.500	0.125	0.562	+.016 / -.016	0.116	+.003 / -.000	6.60
CF010000250	1.000	+.003 / -.000	1.000		0.250	0.125	0.625	+.016 / -.016	0.116	+.003 / -.000	6.15
CF010000437	1.000	+.003 / -.000	1.000		0.437	0.093	0.750	+.016 / -.016	0.085	+.003 / -.000	6.15
CF010000500	1.000	+.003 / -.000	1.000		0.500	0.093	0.750	+.016 / -.016	0.085	+.003 / -.000	6.15
CF010000500-1	1.000	+.003 / -.000	1.000		0.500	0.125	0.625	+.016 / -.016	0.116	+.003 / -.000	6.15
CF011250437	1.125	+.003 / -.000	1.125		0.437	0.093	0.875	+.016 / -.016	0.085	+.003 / -.000	6.75
CF011250500	1.125	+.003 / -.000	1.125		0.500	0.125	0.750	+.016 / -.016	0.116	+.003 / -.000	6.75

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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CF012500375	1.250	+.003 / -.000	1.250		0.375	0.093	1.000	+.016 / -.016	0.085	+.003 / -.000	7.45
CF012500437	1.250	+.003 / -.000	1.250		0.437	0.093	1.000	+.016 / -.016	0.085	+.003 / -.000	7.45
CF012500500	1.250	+.003 / -.000	1.250		0.500	0.125	0.875	+.016 / -.016	0.116	+.003 / -.000	7.45
CF013750500	1.375	+.003 / -.000	1.375		0.500	0.125	1.000	+.016 / -.016	0.116	+.003 / -.000	8.15
CF015000375	1.500	+.003 / -.000	1.500		0.375	0.125	1.125	+.016 / -.016	0.116	+.003 / -.000	8.70
CF015000500	1.500	+.003 / -.000	1.500		0.500	0.125	1.125	+.016 / -.016	0.116	+.003 / -.000	8.70
CF016250500	1.625	+.003 / -.000	1.625		0.500	0.125	1.250	+.016 / -.016	0.116	+.003 / -.000	9.90
CF017500375	1.750	+.003 / -.000	1.750		0.375	0.093	1.500	+.016 / -.016	0.085	+.003 / -.000	10.00
CF017500500	1.750	+.003 / -.000	1.750		0.500	0.125	1.375	+.016 / -.016	0.116	+.003 / -.000	10.00
CF018120375	1.812	+.003 / -.000	1.812		0.375	0.125	1.437	+.016 / -.016	0.116	+.003 / -.000	11.50
CF018750500	1.875	+.003 / -.000	1.875		0.500	0.125	1.500	+.016 / -.016	0.116	+.003 / -.000	10.60
CF020000500	2.000	+.003 / -.000	2.000		0.500	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	11.50
CF020000500-1	2.000	+.003 / -.000	2.000		0.500	0.156	1.500	+.016 / -.016	0.146	+.003 / -.000	11.50
CF020000500-2	2.000	+.003 / -.000	2.000		0.500	0.187	1.500	+.016 / -.016	0.178	+.003 / -.000	11.50
CF020000750	2.000	+.003 / -.000	2.000		0.750	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	11.50
CF021250375	2.125	+.003 / -.000	2.125		0.375	0.125	1.750	+.016 / -.016	0.116	+.003 / -.000	11.95
CF021250500	2.125	+.003 / -.000	2.125		0.500	0.125	1.750	+.016 / -.016	0.116	+.003 / -.000	11.95
CF022500500	2.250	+.003 / -.000	2.250		0.500	0.125	1.875	+.016 / -.016	0.116	+.003 / -.000	12.05
CF023750500	2.375	+.003 / -.000	2.375		0.500	0.125	2.000	+.016 / -.016	0.116	+.003 / -.000	12.60
CF025000500	2.500	+.003 / -.000	2.500		0.500	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	13.45
CF025000500-1	2.500	+.003 / -.000	2.500		0.500	0.156	2.000	+.016 / -.016	0.146	+.003 / -.000	13.45
CF025000562	2.500	+.003 / -.000	2.500		0.562	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	13.45
CF025000562-1	2.500	+.003 / -.000	2.500		0.562	0.187	2.000	+.016 / -.016	0.178	+.003 / -.000	13.45
CF025000625	2.500	+.003 / -.000	2.500		0.625	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	13.45
CF026250500	2.625	+.003 / -.000	2.625		0.500	0.125	2.250	+.016 / -.016	0.116	+.003 / -.000	14.00
CF026250750	2.625	+.003 / -.000	2.625		0.750	0.125	2.250	+.016 / -.016	0.116	+.003 / -.000	14.00
CF027500500	2.750	+.003 / -.000	2.750		0.500	0.125	2.375	+.016 / -.016	0.116	+.003 / -.000	14.70
CF028750500	2.875	+.003 / -.000	2.875		0.500	0.125	2.500	+.016 / -.016	0.116	+.003 / -.000	15.25
CF028750750	2.875	+.003 / -.000	2.875		0.750	0.187	2.375	+.016 / -.016	0.178	+.003 / -.000	16.25
CF030000500	3.000	+.004 / -.000	3.000		0.500	0.125	2.625	+.016 / -.016	0.116	+.003 / -.000	16.25
CF030000500-1	3.000	+.004 / -.000	3.000		0.500	0.156	2.500	+.016 / -.016	0.146	+.003 / -.000	16.25
CF030000562	3.000	+.004 / -.000	3.000		0.562	0.125	2.625	+.016 / -.016	0.116	+.003 / -.000	16.25
CF030000625	3.000	+.004 / -.000	3.000		0.625	0.156	2.500	+.016 / -.016	0.146	+.003 / -.000	16.25
CF030000750	3.000	+.004 / -.000	3.000		0.750	0.187	2.500	+.016 / -.016	0.178	+.003 / -.000	16.25
CF031250625	3.125	+.004 / -.000	3.125		0.625	0.156	2.625	+.016 / -.016	0.146	+.003 / -.000	18.90
CF032500625	3.250	+.004 / -.000	3.250		0.625	0.156	2.750	+.016 / -.016	0.146	+.003 / -.000	17.50
CF032500625-1	3.250	+.004 / -.000	3.250		0.625	0.187	2.750	+.016 / -.016	0.178	+.003 / -.000	17.50
CF032500750	3.250	+.004 / -.000	3.250		0.750	0.156	2.750	+.016 / -.016	0.146	+.003 / -.000	18.05
CF033120562	3.312	+.004 / -.000	3.312		0.562	0.125	2.937	+.016 / -.016	0.116	+.003 / -.000	20.35
CF033120625	3.312	+.004 / -.000	3.312		0.625	0.187	2.812	+.016 / -.016	0.178	+.003 / -.000	20.35
CF033750625	3.375	+.004 / -.000	3.375		0.625	0.156	2.875	+.016 / -.016	0.146	+.003 / -.000	18.10
CF035000500	3.500	+.004 / -.000	3.500		0.500	0.125	3.125	+.016 / -.016	0.116	+.003 / -.000	18.60
CF035000562	3.500	+.004 / -.000	3.500		0.562	0.125	3.125	+.016 / -.016	0.116	+.003 / -.000	19.55
CF035000625	3.500	+.004 / -.000	3.500		0.625	0.156	3.000	+.016 / -.016	0.146	+.003 / -.000	19.55
CF035000750	3.500	+.004 / -.000	3.500		0.750	0.187	3.000	+.016 / -.016	0.178	+.003 / -.000	19.55
CF036250625	3.625	+.004 / -.000	3.625		0.625	0.156	3.125	+.016 / -.016	0.146	+.003 / -.000	19.75
CF037500625	3.750	+.004 / -.000	3.750		0.625	0.125	3.375	+.016 / -.016	0.116	+.003 / -.000	19.85
CF037500750	3.750	+.004 / -.000	3.750		0.750	0.187	3.250	+.016 / -.016	0.178	+.003 / -.000	19.85

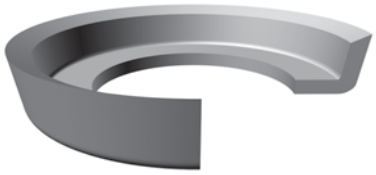
CF SERIES - NEO-FABRIC

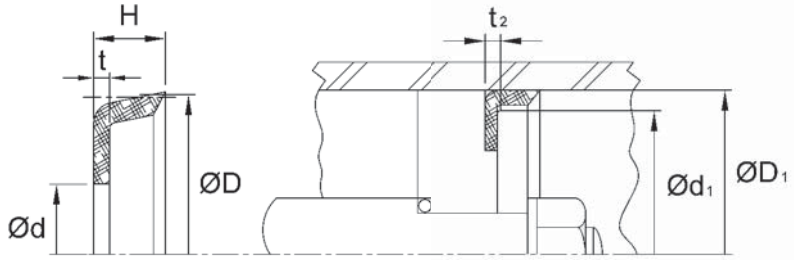
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CF038750625	3.875	+.004 / -.000	3.875		0.625	0.156	3.375	+.016 / -.016	0.146	+.003 / -.000	20.55
CF038750750	3.875	+.004 / -.000	3.875		0.750	0.156	3.375	+.016 / -.016	0.146	+.003 / -.000	20.55
CF039370500	3.937	+.004 / -.000	3.937		0.500	0.156	3.437	+.016 / -.016	0.146	+.003 / -.000	23.45
CF040000500	4.000	+.004 / -.000	4.000		0.500	0.125	3.625	+.016 / -.016	0.116	+.003 / -.000	24.65
CF040000500-1	4.000	+.004 / -.000	4.000		0.500	0.187	3.500	+.016 / -.016	0.178	+.003 / -.000	24.65
CF040000625	4.000	+.004 / -.000	4.000		0.625	0.156	3.500	+.016 / -.016	0.146	+.003 / -.000	25.95
CF040000750	4.000	+.004 / -.000	4.000		0.750	0.156	3.500	+.016 / -.016	0.146	+.003 / -.000	25.95
CF040000750-1	4.000	+.004 / -.000	4.000		0.750	0.187	3.500	+.016 / -.016	0.178	+.003 / -.000	25.95
CF041250750	4.125	+.004 / -.000	4.125		0.750	0.187	3.625	+.016 / -.016	0.178	+.003 / -.000	29.80
CF042500625	4.250	+.004 / -.000	4.250		0.625	0.156	3.750	+.016 / -.016	0.146	+.003 / -.000	26.80
CF042500750	4.250	+.004 / -.000	4.250		0.750	0.187	3.750	+.016 / -.016	0.178	+.003 / -.000	26.80
CF045000562	4.500	+.004 / -.000	4.500		0.562	0.125	4.125	+.016 / -.016	0.116	+.003 / -.000	27.05
CF045000625	4.500	+.004 / -.000	4.500		0.625	0.156	4.000	+.016 / -.016	0.146	+.003 / -.000	27.05
CF045000750	4.500	+.004 / -.000	4.500		0.750	0.156	4.000	+.016 / -.016	0.178	+.003 / -.000	27.05
CF046250625	4.625	+.004 / -.000	4.625		0.625	0.156	4.125	+.016 / -.016	0.146	+.003 / -.000	31.35
CF047500625	4.750	+.004 / -.000	4.750		0.625	0.156	4.250	+.016 / -.016	0.146	+.003 / -.000	28.55
CF047500750	4.750	+.004 / -.000	4.750		0.750	0.187	4.250	+.016 / -.016	0.178	+.003 / -.000	28.55
CF048750625	4.875	+.004 / -.000	4.875		0.625	0.156	4.375	+.016 / -.016	0.146	+.003 / -.000	33.10
CF050000500	5.000	+.004 / -.000	5.000		0.500	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	30.05
CF050000750	5.000	+.004 / -.000	5.000		0.750	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	30.05
CF050001000	5.000	+.004 / -.000	5.000		1.000	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	30.05
CF052500750	5.250	+.004 / -.000	5.250		0.750	0.187	4.750	+.016 / -.016	0.178	+.003 / -.000	36.50
CF055000750	5.500	+.004 / -.000	5.500		0.750	0.187	5.000	+.016 / -.016	0.178	+.003 / -.000	33.25
CF057500750	5.750	+.004 / -.000	5.750		0.750	0.187	5.250	+.016 / -.016	0.178	+.003 / -.000	36.05
CF058750750	5.875	+.004 / -.000	5.875		0.750	0.187	5.375	+.016 / -.016	0.178	+.003 / -.000	41.80
CF060000750	6.000	+.004 / -.000	6.000		0.750	0.125	5.625	+.016 / -.016	0.116	+.003 / -.000	39.00
CF060000750-1	6.000	+.004 / -.000	6.000		0.750	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	39.00
CF060001000	6.000	+.004 / -.000	6.000		1.000	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	39.00
CF060001250	6.000	+.004 / -.000	6.000		1.250	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	40.20
CF062500750	6.250	+.004 / -.000	6.250		0.750	0.187	5.750	+.016 / -.016	0.178	+.003 / -.000	42.05
CF063750750	6.375	+.004 / -.000	6.375		0.750	0.187	5.875	+.016 / -.016	0.178	+.003 / -.000	48.80
CF065000750	6.500	+.004 / -.000	6.500		0.750	0.187	6.000	+.016 / -.016	0.178	+.003 / -.000	45.00
CF065001125	6.500	+.004 / -.000	6.500		1.125	0.187	6.000	+.016 / -.016	0.178	+.003 / -.000	46.40
CF065001500	6.500	+.004 / -.000	6.500		1.500	0.187	6.000	+.016 / -.016	0.178	+.003 / -.000	46.40
CF067500750	6.750	+.005 / -.000	6.750		0.750	0.187	6.250	+.016 / -.016	0.178	+.003 / -.000	46.50
CF070000750	7.000	+.005 / -.000	7.000		0.750	0.187	6.500	+.016 / -.016	0.178	+.003 / -.000	57.00
CF070001500	7.000	+.005 / -.000	7.000		1.500	0.187	6.500	+.016 / -.016	0.178	+.003 / -.000	63.00
CF072501000	7.250	+.005 / -.000	7.250		1.000	0.187	6.750	+.016 / -.016	0.178	+.003 / -.000	70.90
CF075001000	7.500	+.005 / -.000	7.500		1.000	0.187	7.000	+.016 / -.016	0.178	+.003 / -.000	66.05
CF080000750	8.000	+.005 / -.000	8.000		0.750	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	72.05
CF080001000	8.000	+.005 / -.000	8.000		1.000	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	72.05
CF080001000-1	8.000	+.005 / -.000	8.000		1.000	0.250	7.375	+.016 / -.016	0.178	+.003 / -.000	75.00
CF080001250	8.000	+.005 / -.000	8.000		1.250	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	75.00
CF085001000	8.500	+.005 / -.000	8.500		1.000	0.187	8.000	+.016 / -.016	0.178	+.003 / -.000	76.55
CF090000750	9.000	+.005 / -.000	9.000		0.750	0.187	8.500	+.016 / -.016	0.178	+.003 / -.000	84.25
CF090001000	9.000	+.005 / -.000	9.000		1.000	0.187	8.500	+.016 / -.016	0.178	+.003 / -.000	89.50
CF095001000	9.500	+.005 / -.000	9.500		1.000	0.187	9.000	+.016 / -.016	0.178	+.003 / -.000	93.65
CF097501000	9.750	+.005 / -.000	9.750		1.000	0.187	9.250	+.016 / -.016	0.178	+.003 / -.000	99.00

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CF100001000	10.000	+.005 / -.000	10.000		1.000	0.187	9.500	+.016 / -.016	0.178	+.003 / -.000	107.05
CF102501000	10.250	+.005 / -.000	10.250		1.000	0.187	9.750	+.016 / -.016	0.178	+.003 / -.000	131.70
CF105001250	10.500	+.005 / -.000	10.500		1.250	0.250	9.875	+.016 / -.016	0.241	+.003 / -.000	148.55
CF110001000	11.000	+.006 / -.000	11.000		1.000	0.187	10.500	+.016 / -.016	0.178	+.003 / -.000	144.00
CF110001000-1	11.000	+.006 / -.000	11.000		1.000	0.250	10.375	+.016 / -.016	0.241	+.003 / -.000	144.00
CF120001000	12.000	+.006 / -.000	12.000		1.000	0.187	11.500	+.016 / -.016	0.178	+.003 / -.000	186.05
CF120001250	12.000	+.006 / -.000	12.000		1.250	0.250	11.375	+.016 / -.016	0.241	+.003 / -.000	187.90
CF122501000	12.250	+.006 / -.000	12.250		1.000	0.187	11.750	+.016 / -.016	0.178	+.003 / -.000	218.00
CF140001250	14.000	+.006 / -.000	14.000		1.250	0.250	13.375	+.016 / -.016	0.241	+.003 / -.000	252.00
CF160001500	16.000	+.006 / -.000	16.000		1.500	0.250	15.375	+.016 / -.016	0.241	+.003 / -.000	265.30
CF165001500	16.500	+.006 / -.000	16.500		1.500	0.312	15.750	+.016 / -.016	0.303	+.003 / -.000	304.55
CF180001250	18.000	+.006 / -.000	18.000		1.250	0.250	17.375	+.016 / -.016	0.241	+.003 / -.000	279.05
CF200001250	20.000	+.006 / -.000	20.000		1.250	0.187	19.500	+.016 / -.016	0.178	+.003 / -.000	293.75

ECF - Piston Cups

Neo-Fabric



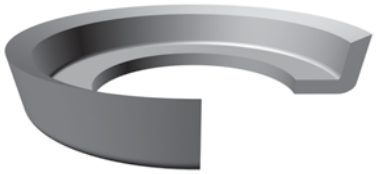


Temperature: -40/250F [-40/121C] **Pressure: 3000 PSI [210 BAR]**

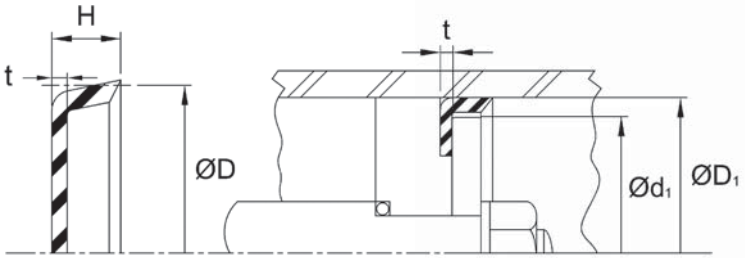
Ref.Number	Bore diameter		Nominal Seal Dimensions				References		$
		Tol.	D	d	H	t	DEL	EDBRO	
ECF020000875	2.000	+.003 / -.000	2.000	0.625	0.875	0.218	DEL-4	ARC-4	58.90
ECF026250875	2.625	+.003 / -.000	2.625	0.875	0.875	0.218	DEL-5	ARC-5	31.25
ECF032500750	3.250	+.004 / -.000	3.250	1.000	0.750	0.218	DEL-7	ARC-7	41.25
ECF038750875	3.875	+.004 / -.000	3.875	1.125	0.875	0.218	DEL-13	ARC-13	35.95
ECF047500875	4.750	+.004 / -.000	4.750	1.250	0.875	0.218	DEL-15	ARC-15	61.50
ECF057500875	5.750	+.004 / -.000	5.750	1.500	0.875	0.218	DEL-23/1	ARC-23/1	183.95

CH - Piston Cups

Nitrile NBR 80/90A



OPTIONAL CENTER HOLE



Temperature: -40/250F [-40/121C] **Pressure: 150 PSI [10 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CH005000500	0.500	+.003 / -.000	0.500		0.500	0.031	0.250	+.016 / -.016	0.085	+.003 / -.000	4.80
CH005620250	0.562	+.003 / -.000	0.562		0.250	0.093	0.312	+.016 / -.016	0.085	+.003 / -.000	5.35
CH006250500	0.625	+.003 / -.000	0.625		0.500	0.093	0.375	+.016 / -.016	0.085	+.003 / -.000	4.80
CH007500250	0.750	+.003 / -.000	0.750		0.250	0.093	0.500	+.016 / -.016	0.085	+.003 / -.000	4.80
CH007500250-1	0.750	+.003 / -.000	0.750		0.250	0.109	0.500	+.016 / -.016	0.101	+.003 / -.000	4.80
CH007500500	0.750	+.003 / -.000	0.750		0.500	0.125	0.375	+.016 / -.016	0.116	+.003 / -.000	4.80
CH008750250	0.875	+.003 / -.000	0.875		0.250	0.125	0.500	+.016 / -.016	0.116	+.003 / -.000	5.35
CH009370312	0.937	+.003 / -.000	0.937		0.312	0.125	0.562	+.016 / -.016	0.116	+.003 / -.000	5.35
CH009370500	0.937	+.003 / -.000	0.937		0.500	0.125	0.562	+.016 / -.016	0.116	+.003 / -.000	5.35
CH010000250	1.000	+.003 / -.000	1.000		0.250	0.062	0.750	+.016 / -.016	0.054	+.003 / -.000	5.00
CH010000375	1.000	+.003 / -.000	1.000		0.375	0.125	0.750	+.016 / -.016	0.116	+.003 / -.000	5.00
CH010000500	1.000	+.003 / -.000	1.000		0.500	0.125	0.625	+.016 / -.016	0.116	+.003 / -.000	5.00
CH011250500	1.125	+.003 / -.000	1.125		0.500	0.125	0.750	+.016 / -.016	0.116	+.003 / -.000	5.40
CH011870500	1.187	+.003 / -.000	1.187		0.500	0.125	0.812	+.016 / -.016	0.116	+.003 / -.000	6.20
CH012500250	1.250	+.003 / -.000	1.250		0.250	0.062	1.000	+.016 / -.016	0.054	+.003 / -.000	5.50
CH012500500	1.250	+.003 / -.000	1.250		0.500	0.125	0.875	+.016 / -.016	0.116	+.003 / -.000	5.50
CH013750437	1.375	+.003 / -.000	1.375		0.437	0.093	1.125	+.016 / -.016	0.085	+.003 / -.000	5.90
CH014370375	1.437	+.003 / -.000	1.437		0.375	0.125	1.062	+.016 / -.016	0.116	+.003 / -.000	6.65
CH015000375	1.500	+.003 / -.000	1.500		0.375	0.093	1.250	+.016 / -.016	0.085	+.003 / -.000	6.05
CH015000500	1.500	+.003 / -.000	1.500		0.500	0.125	1.125	+.016 / -.016	0.116	+.003 / -.000	6.05
CH016250500	1.625	+.003 / -.000	1.625		0.500	0.125	1.250	+.016 / -.016	0.116	+.003 / -.000	6.10
CH016870500	1.687	+.003 / -.000	1.687		0.500	0.187	1.187	+.016 / -.016	0.178	+.003 / -.000	6.85
CH017500500	1.750	+.003 / -.000	1.750		0.500	0.125	1.375	+.016 / -.016	0.116	+.003 / -.000	6.40
CH018750500	1.875	+.003 / -.000	1.875		0.500	0.125	1.500	+.016 / -.016	0.116	+.003 / -.000	6.50
CH020000375	2.000	+.003 / -.000	2.000		0.375	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	6.70
CH020000437	2.000	+.003 / -.000	2.000		0.437	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	6.70
CH020000500	2.000	+.003 / -.000	2.000		0.500	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	6.70
CH020000625	2.000	+.003 / -.000	2.000		0.625	0.156	1.500	+.016 / -.016	0.146	+.003 / -.000	6.70
CH021870375	2.187	+.003 / -.000	2.187		0.375	0.125	1.812	+.016 / -.016	0.116	+.003 / -.000	6.75
CH022500500	2.250	+.003 / -.000	2.250		0.500	0.125	1.875	+.016 / -.016	0.116	+.003 / -.000	7.00
CH023750500	2.375	+.003 / -.000	2.375		0.500	0.125	2.000	+.016 / -.016	0.116	+.003 / -.000	7.30
CH025000375	2.500	+.003 / -.000	2.500		0.375	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	7.75
CH025000437	2.500	+.003 / -.000	2.500		0.437	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	7.75
CH025000500	2.500	+.003 / -.000	2.500		0.500	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	7.75
CH025000562	2.500	+.003 / -.000	2.500		0.562	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	7.75
CH025000625	2.500	+.003 / -.000	2.500		0.625	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	7.75
CH026250250	2.625	+.003 / -.000	2.625		0.250	0.125	2.250	+.016 / -.016	0.116	+.003 / -.000	7.80
CH026250500	2.625	+.003 / -.000	2.625		0.500	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	7.80

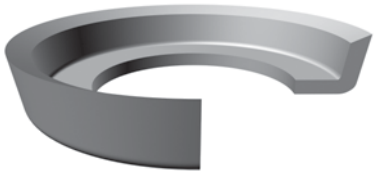
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CH027500500	2.750	+.003 / -.000	2.750		0.500	0.125	2.375	+.016 / -.016	0.116	+.003 / -.000	7.90
CH028750500	2.875	+.003 / -.000	2.875		0.500	0.125	2.500	+.016 / -.016	0.116	+.003 / -.000	8.75
CH030000500	3.000	+.004 / -.000	3.000		0.500	0.125	2.625	+.016 / -.016	0.116	+.003 / -.000	9.20
CH030000500-1	3.000	+.004 / -.000	3.000		0.500	0.156	2.500	+.016 / -.016	0.146	+.003 / -.000	9.20
CH030000625	3.000	+.004 / -.000	3.000		0.625	0.156	2.500	+.016 / -.016	0.146	+.003 / -.000	9.20
CH031250625	3.125	+.004 / -.000	3.125		0.625	0.156	2.625	+.016 / -.016	0.146	+.003 / -.000	11.95
CH032500437	3.250	+.004 / -.000	3.250		0.437	0.125	2.875	+.016 / -.016	0.116	+.003 / -.000	10.65
CH032500500	3.250	+.004 / -.000	3.250		0.500	0.125	2.875	+.016 / -.016	0.116	+.003 / -.000	10.65
CH032500625	3.250	+.004 / -.000	3.250		0.625	0.156	2.750	+.016 / -.016	0.146	+.003 / -.000	10.65
CH035000500	3.500	+.004 / -.000	3.500		0.500	0.125	3.125	+.016 / -.016	0.116	+.003 / -.000	11.05
CH035000625	3.500	+.004 / -.000	3.500		0.625	0.125	3.125	+.016 / -.016	0.116	+.003 / -.000	11.05
CH035000625-1	3.500	+.004 / -.000	3.500		0.625	0.156	3.000	+.016 / -.016	0.146	+.003 / -.000	11.05
CH035000750	3.500	+.004 / -.000	3.500		0.750	0.187	3.000	+.016 / -.016	0.178	+.003 / -.000	11.05
CH036250625	3.625	+.004 / -.000	3.625		0.625	0.156	3.125	+.016 / -.016	0.146	+.003 / -.000	13.10
CH037500500	3.750	+.004 / -.000	3.750		0.500	0.125	3.375	+.016 / -.016	0.116	+.003 / -.000	12.20
CH037500750	3.750	+.004 / -.000	3.750		0.750	0.187	3.250	+.016 / -.016	0.178	+.003 / -.000	12.20
CH038750625	3.875	+.004 / -.000	3.875		0.625	0.125	3.500	+.016 / -.016	0.116	+.003 / -.000	14.15
CH040000437	4.000	+.004 / -.000	4.000		0.437	0.125	3.625	+.016 / -.016	0.116	+.003 / -.000	12.70
CH040000500	4.000	+.004 / -.000	4.000		0.500	0.125	3.625	+.016 / -.016	0.116	+.003 / -.000	12.70
CH040000625	4.000	+.004 / -.000	4.000		0.625	0.156	3.500	+.016 / -.016	0.146	+.003 / -.000	12.70
CH040000750	4.000	+.004 / -.000	4.000		0.750	0.125	3.625	+.016 / -.016	0.116	+.003 / -.000	12.70
CH040000750-1	4.000	+.004 / -.000	4.000		0.750	0.187	3.500	+.016 / -.016	0.178	+.003 / -.000	12.70
CH045000562	4.500	+.004 / -.000	4.500		0.562	0.125	4.125	+.016 / -.016	0.116	+.003 / -.000	16.40
CH045000625	4.500	+.004 / -.000	4.500		0.625	0.125	4.125	+.016 / -.016	0.116	+.003 / -.000	16.40
CH045000625-1	4.500	+.004 / -.000	4.500		0.625	0.156	4.000	+.016 / -.016	0.146	+.003 / -.000	16.40
CH046250625	4.625	+.004 / -.000	4.625		0.625	0.125	4.250	+.016 / -.016	0.116	+.003 / -.000	19.00
CH047500750	4.750	+.004 / -.000	4.750		0.750	0.156	4.250	+.016 / -.016	0.146	+.003 / -.000	17.05
CH050000562	5.000	+.004 / -.000	5.000		0.562	0.125	4.625	+.016 / -.016	0.116	+.003 / -.000	17.40
CH050000625	5.000	+.004 / -.000	5.000		0.625	0.125	4.625	+.016 / -.016	0.116	+.003 / -.000	17.40
CH050000625-1	5.000	+.004 / -.000	5.000		0.625	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	17.40
CH050000750	5.000	+.004 / -.000	5.000		0.750	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	17.40
CH051250750	5.125	+.004 / -.000	5.125		0.750	0.187	4.625	+.016 / -.016	0.178	+.003 / -.000	20.10
CH055000750	5.500	+.004 / -.000	5.500		0.750	0.187	5.000	+.016 / -.016	0.178	+.003 / -.000	19.30
CH057500750	5.750	+.004 / -.000	5.750		0.750	0.187	5.250	+.016 / -.016	0.178	+.003 / -.000	20.25
CH058750750	5.875	+.004 / -.000	5.875		0.750	0.156	5.375	+.016 / -.016	0.146	+.003 / -.000	23.00
CH060000562	6.000	+.004 / -.000	6.000		0.562	0.156	5.500	+.016 / -.016	0.146	+.003 / -.000	23.30
CH060000625	6.000	+.004 / -.000	6.000		0.625	0.156	5.500	+.016 / -.016	0.146	+.003 / -.000	23.30
CH060000750	6.000	+.004 / -.000	6.000		0.750	0.156	5.500	+.016 / -.016	0.146	+.003 / -.000	23.30
CH060000750-1	6.000	+.004 / -.000	6.000		0.750	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	23.30
CH060000875	6.000	+.004 / -.000	6.000		0.875	0.125	5.625	+.016 / -.016	0.116	+.003 / -.000	23.30
CH060001000	6.000	+.004 / -.000	6.000		1.000	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	23.30
CH065000750	6.500	+.004 / -.000	6.500		0.750	0.187	6.000	+.016 / -.016	0.178	+.003 / -.000	23.95
CH070000625	7.000	+.005 / -.000	7.000		0.625	0.125	6.625	+.016 / -.016	0.116	+.003 / -.000	29.35
CH070000750	7.000	+.005 / -.000	7.000		0.750	0.187	6.500	+.016 / -.016	0.178	+.003 / -.000	29.35
CH075000875	7.500	+.005 / -.000	7.500		0.875	0.156	7.000	+.016 / -.016	0.146	+.003 / -.000	33.15
CH080000625	8.000	+.005 / -.000	8.000		0.625	0.125	7.625	+.016 / -.016	0.116	+.003 / -.000	36.20
CH080000750	8.000	+.005 / -.000	8.000		0.750	0.156	7.500	+.016 / -.016	0.146	+.003 / -.000	36.20
CH080000750-1	8.000	+.005 / -.000	8.000		0.750	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	36.20

CH SERIES - NBR 80/90A

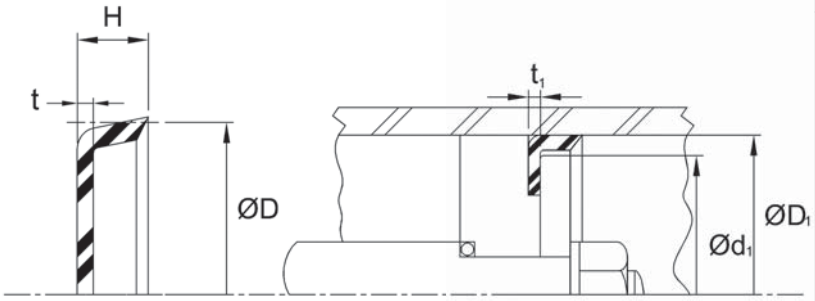
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CH080001000	8.000	+.005 / -.000	8.000		1.000	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	36.20
CH090000750	9.000	+.005 / -.000	9.000		0.750	0.187	8.500	+.016 / -.016	0.178	+.003 / -.000	48.20
CH095001000	9.500	+.005 / -.000	9.500		1.000	0.187	9.000	+.016 / -.016	0.178	+.003 / -.000	51.85
CH100000750	10.000	+.005 / -.000	10.000		0.750	0.125	9.625	+.016 / -.016	0.116	+.003 / -.000	58.75
CH100000750-1	10.000	+.005 / -.000	10.000		0.750	0.187	9.500	+.016 / -.016	0.178	+.003 / -.000	58.75
CH100001000	10.000	+.005 / -.000	10.000		1.000	0.187	9.500	+.016 / -.016	0.178	+.003 / -.000	58.75
CH120000750	12.000	+.006 / -.000	12.000		0.750	0.187	11.500	+.016 / -.016	0.178	+.003 / -.000	64.45
CH120001000	12.000	+.006 / -.000	12.000		1.000	0.187	11.500	+.016 / -.016	0.178	+.003 / -.000	64.45
CH130000750	13.000	+.006 / -.000	13.000		0.750	0.187	12.500	+.016 / -.016	0.178	+.003 / -.000	66.20
CH140000812	14.000	+.006 / -.000	14.000		0.812	0.187	13.500	+.016 / -.016	0.178	+.003 / -.000	72.30
CH150001000	15.000	+.006 / -.000	15.000		1.000	0.187	14.500	+.016 / -.016	0.178	+.003 / -.000	73.75
CH160000750	16.000	+.006 / -.000	16.000		0.750	0.187	15.500	+.016 / -.016	0.178	+.003 / -.000	83.50
CH180000750	18.000	+.006 / -.000	18.000		0.750	0.250	17.375	+.016 / -.016	0.241	+.003 / -.000	96.40

CS - Piston Cups

Polyurethane AU 90A



OPTIONAL CENTER HOLE



Temperature: -65/200F [-54/93C] **Pressure: 1000 PSI [70 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CS00437-250	0.437	+.003 / -.000	0.437		0.250	0.093	0.187	+.016 / -.016	0.085	+.003 / -.000	11.20
CS00500-250	0.500	+.003 / -.000	0.500		0.250	0.093	0.250	+.016 / -.016	0.085	+.003 / -.000	9.90
CS00750-250	0.750	+.003 / -.000	0.750		0.250	0.093	0.500	+.016 / -.016	0.085	+.003 / -.000	9.90
CS00750-375	0.750	+.003 / -.000	0.750		0.375	0.093	0.500	+.016 / -.016	0.085	+.003 / -.000	9.90
CS00875-250	0.875	+.003 / -.000	0.875		0.250	0.093	0.625	+.016 / -.016	0.085	+.003 / -.000	9.90
CS00875-375	0.875	+.003 / -.000	0.875		0.375	0.093	0.625	+.016 / -.016	0.085	+.003 / -.000	9.90
CS01000-500	1.000	+.003 / -.000	1.000		0.500	0.125	0.625	+.016 / -.016	0.116	+.003 / -.000	9.90
CS01062-500	1.062	+.003 / -.000	1.062		0.500	0.125	0.687	+.016 / -.016	0.116	+.003 / -.000	12.60
CS01125-500	1.125	+.003 / -.000	1.125		0.500	0.125	0.750	+.016 / -.016	0.116	+.003 / -.000	11.20
CS01250-500	1.250	+.003 / -.000	1.250		0.500	0.125	0.875	+.016 / -.016	0.116	+.003 / -.000	12.35
CS01375-437	1.375	+.003 / -.000	1.375		0.437	0.125	1.000	+.016 / -.016	0.116	+.003 / -.000	13.15
CS01375-500	1.375	+.003 / -.000	1.375		0.500	0.125	1.000	+.016 / -.016	0.116	+.003 / -.000	13.15

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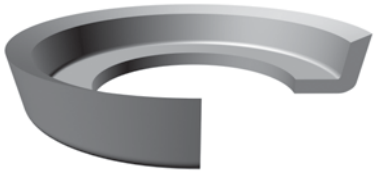
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CS01437-500	1.437	+.003 / -.000	1.437		0.500	0.125	1.062	+.016 / -.016	0.116	+.003 / -.000	15.55
CS01500-500	1.500	+.003 / -.000	1.500		0.500	0.125	1.125	+.016 / -.016	0.116	+.003 / -.000	14.70
CS01625-375	1.625	+.003 / -.000	1.625		0.375	0.187	1.125	+.016 / -.016	0.178	+.003 / -.000	15.85
CS01625-500	1.625	+.003 / -.000	1.625		0.500	0.125	1.250	+.016 / -.016	0.116	+.003 / -.000	15.85
CS01750-500	1.750	+.003 / -.000	1.750		0.500	0.125	1.375	+.016 / -.016	0.116	+.003 / -.000	17.00
CS01875-500	1.875	+.003 / -.000	1.875		0.500	0.125	1.500	+.016 / -.016	0.116	+.003 / -.000	18.35
CS01937-500	1.937	+.003 / -.000	1.937		0.500	0.125	1.562	+.016 / -.016	0.116	+.003 / -.000	21.05
CS02000-500	2.000	+.003 / -.000	2.000		0.500	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	19.45
CS02125-500	2.125	+.003 / -.000	2.125		0.500	0.125	1.750	+.016 / -.016	0.116	+.003 / -.000	20.70
CS02250-500	2.250	+.003 / -.000	2.250		0.500	0.125	1.875	+.016 / -.016	0.116	+.003 / -.000	21.90
CS02312-500	2.312	+.003 / -.000	2.312		0.500	0.125	1.937	+.016 / -.016	0.116	+.003 / -.000	25.30
CS02375-500	2.375	+.003 / -.000	2.375		0.500	0.125	2.000	+.016 / -.016	0.116	+.003 / -.000	23.15
CS02500-500	2.500	+.003 / -.000	2.500		0.500	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	24.35
CS02562-625	2.562	+.003 / -.000	2.562		0.625	0.187	2.062	+.016 / -.016	0.178	+.003 / -.000	27.75
CS02625-500	2.625	+.003 / -.000	2.625		0.500	0.125	2.250	+.016 / -.016	0.116	+.003 / -.000	25.20
CS02750-625	2.750	+.003 / -.000	2.750		0.625	0.187	2.250	+.016 / -.016	0.178	+.003 / -.000	26.80
CS02875-500	2.875	+.003 / -.000	2.875		0.500	0.125	2.500	+.016 / -.016	0.116	+.003 / -.000	28.00
CS02875-625	2.875	+.003 / -.000	2.875		0.625	0.187	2.375	+.016 / -.016	0.178	+.003 / -.000	28.00
CS03000-625	3.000	+.004 / -.000	3.000		0.625	0.187	2.500	+.016 / -.016	0.178	+.003 / -.000	29.20
CS03250-500	3.250	+.004 / -.000	3.250		0.500	0.125	2.875	+.016 / -.016	0.116	+.003 / -.000	30.60
CS03250-625	3.250	+.004 / -.000	3.250		0.625	0.187	2.750	+.016 / -.016	0.178	+.003 / -.000	30.60
CS03375-625	3.375	+.004 / -.000	3.375		0.625	0.187	2.875	+.016 / -.016	0.178	+.003 / -.000	35.45
CS03500-625	3.500	+.004 / -.000	3.500		0.625	0.187	3.000	+.016 / -.016	0.178	+.003 / -.000	33.90
CS03750-625	3.750	+.004 / -.000	3.750		0.625	0.187	3.250	+.016 / -.016	0.178	+.003 / -.000	36.50
CS04000-625	4.000	+.004 / -.000	4.000		0.625	0.187	3.500	+.016 / -.016	0.178	+.003 / -.000	38.65
CS04125-625	4.125	+.004 / -.000	4.125		0.625	0.187	3.625	+.016 / -.016	0.178	+.003 / -.000	44.65
CS04250-500	4.250	+.004 / -.000	4.250		0.500	0.187	3.750	+.016 / -.016	0.178	+.003 / -.000	41.10
CS04250-625	4.250	+.004 / -.000	4.250		0.625	0.187	3.750	+.016 / -.016	0.178	+.003 / -.000	41.10
CS04500-625	4.500	+.004 / -.000	4.500		0.625	0.187	4.000	+.016 / -.016	0.178	+.003 / -.000	43.45
CS04750-750	4.750	+.004 / -.000	4.750		0.750	0.187	4.250	+.016 / -.016	0.178	+.003 / -.000	45.85
CS05000-625	5.000	+.004 / -.000	5.000		0.625	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	48.25
CS05000-750	5.000	+.004 / -.000	5.000		0.750	0.187	4.500	+.016 / -.016	0.178	+.003 / -.000	48.25
CS05250-750	5.250	+.004 / -.000	5.250		0.750	0.187	4.750	+.016 / -.016	0.178	+.003 / -.000	49.30
CS05500-750	5.500	+.004 / -.000	5.500		0.750	0.187	5.000	+.016 / -.016	0.178	+.003 / -.000	53.00
CS05750-750	5.750	+.004 / -.000	5.750		0.750	0.187	5.250	+.016 / -.016	0.178	+.003 / -.000	55.15
CS06000-625	6.000	+.004 / -.000	6.000		0.625	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	57.90
CS06000-750	6.000	+.004 / -.000	6.000		0.750	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	57.90
CS06000-1000	6.000	+.004 / -.000	6.000		1.000	0.187	5.500	+.016 / -.016	0.178	+.003 / -.000	57.90
CS06500-750	6.500	+.004 / -.000	6.500		0.750	0.187	6.000	+.016 / -.016	0.178	+.003 / -.000	61.65
CS06750-750	6.750	+.005 / -.000	6.750		0.750	0.187	6.250	+.016 / -.016	0.178	+.003 / -.000	64.10
CS07000-750	7.000	+.005 / -.000	7.000		0.750	0.187	6.500	+.016 / -.016	0.178	+.003 / -.000	66.30
CS07500-1000	7.500	+.005 / -.000	7.500		1.000	0.187	7.000	+.016 / -.016	0.178	+.003 / -.000	70.65
CS08000-750	8.000	+.005 / -.000	8.000		0.750	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	75.75
CS08000-1000	8.000	+.005 / -.000	8.000		1.000	0.187	7.500	+.016 / -.016	0.178	+.003 / -.000	75.75
CS08500-1000	8.500	+.005 / -.000	8.500		1.000	0.187	8.000	+.016 / -.016	0.178	+.003 / -.000	80.15
CS09000-1000	9.000	+.005 / -.000	9.000		1.000	0.187	8.500	+.016 / -.016	0.178	+.003 / -.000	85.10
CS09500-1000	9.500	+.005 / -.000	9.500		1.000	0.187	9.000	+.016 / -.016	0.178	+.003 / -.000	89.60
CS10000-750	10.000	+.005 / -.000	10.000		0.750	0.187	9.500	+.016 / -.016	0.178	+.003 / -.000	94.50

CS SERIES - AU 90A

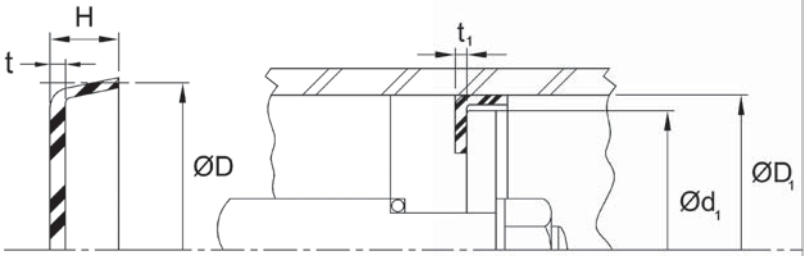
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CS10000-1000	10.000	+.005 / -.000	10.000		1.000	0.187	9.500	+.016 / -.016	0.178	+.003 / -.000	94.50
CS10000-1500	10.000	+.005 / -.000	10.000		1.500	0.187	9.500	+.016 / -.016	0.178	+.003 / -.000	94.50
CS10250-1250	10.250	+.005 / -.000	10.250		1.250	0.187	9.750	+.016 / -.016	0.178	+.003 / -.000	116.70
CS11000-1250	11.000	+.006 / -.000	11.000		1.250	0.187	10.500	+.016 / -.016	0.178	+.003 / -.000	132.70
CS12000-1250	12.000	+.006 / -.000	12.000		1.250	0.187	11.500	+.016 / -.016	0.178	+.003 / -.000	175.05
CS13000-1000	13.000	+.006 / -.000	13.000		1.000	0.187	12.500	+.016 / -.016	0.178	+.003 / -.000	186.95
CS13000-1250	13.000	+.006 / -.000	13.000		1.250	0.187	12.500	+.016 / -.016	0.178	+.003 / -.000	186.95
CS16000-1250	16.000	+.006 / -.000	16.000		1.250	0.187	15.500	+.016 / -.016	0.178	+.003 / -.000	214.10

CT - Piston Cups

Polyurethane AU 90A



OPTIONAL CENTER HOLE



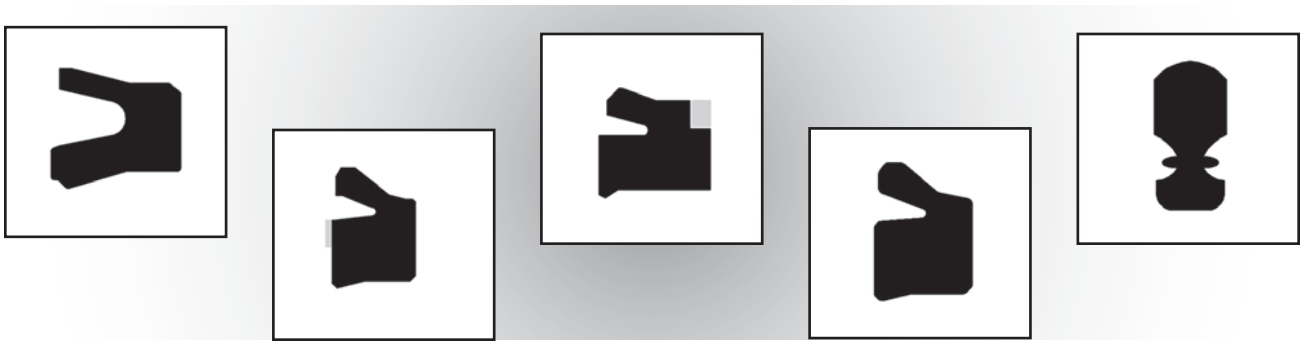
Temperature: -65/200F [-54/93C] **Pressure: 1000 PSI [70 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CT00437-187	0.437	+.003 / -.000	0.437		0.187	0.093	0.187	+.016 / -.016	0.085	+.003 / -.000	6.30
CT00437-250	0.437	+.003 / -.000	0.437		0.250	0.062	0.187	+.016 / -.016	0.054	+.003 / -.000	6.30
CT00437-375	0.437	+.003 / -.000	0.437		0.375	0.062	0.187	+.016 / -.016	0.054	+.003 / -.000	6.30
CT00500-375	0.500	+.003 / -.000	0.500		0.375	0.093	0.250	+.016 / -.016	0.085	+.003 / -.000	5.60
CT00625-375	0.625	+.003 / -.000	0.625		0.375	0.093	0.375	+.016 / -.016	0.085	+.003 / -.000	5.65
CT00750-375	0.750	+.003 / -.000	0.750		0.375	0.093	0.500	+.016 / -.016	0.085	+.003 / -.000	5.85
CT00875-250	0.875	+.003 / -.000	0.875		0.250	0.093	0.625	+.016 / -.016	0.085	+.003 / -.000	5.85
CT00875-375	0.875	+.003 / -.000	0.875		0.375	0.093	0.625	+.016 / -.016	0.085	+.003 / -.000	5.85
CT01000-437	1.000	+.003 / -.000	1.000		0.437	0.093	0.750	+.016 / -.016	0.085	+.003 / -.000	5.90
CT01125-437	1.125	+.003 / -.000	1.125		0.437	0.093	0.875	+.016 / -.016	0.085	+.003 / -.000	6.75
CT01250-437	1.250	+.003 / -.000	1.250		0.437	0.093	1.000	+.016 / -.016	0.085	+.003 / -.000	7.30
CT01375-437	1.375	+.003 / -.000	1.375		0.437	0.093	1.125	+.016 / -.016	0.085	+.003 / -.000	7.80
CT01437-437	1.437	+.003 / -.000	1.437		0.437	0.093	1.187	+.016 / -.016	0.085	+.003 / -.000	9.30
CT01500-437	1.500	+.003 / -.000	1.500		0.437	0.093	1.250	+.016 / -.016	0.085	+.003 / -.000	8.70
CT01625-437	1.625	+.003 / -.000	1.625		0.437	0.093	1.375	+.016 / -.016	0.085	+.003 / -.000	9.50
CT01750-437	1.750	+.003 / -.000	1.750		0.437	0.093	1.500	+.016 / -.016	0.085	+.003 / -.000	10.15
CT01875-437	1.875	+.003 / -.000	1.875		0.437	0.093	1.625	+.016 / -.016	0.085	+.003 / -.000	10.95
CT01937-437	1.937	+.003 / -.000	1.937		0.437	0.093	1.687	+.016 / -.016	0.085	+.003 / -.000	12.75

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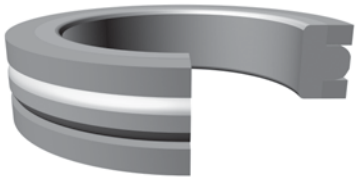
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
		Tol.	D	d	H	t	d1	Tol.	t1	Tol.	
CT02000-312	2.000	+.003 / -.000	2.000		0.312	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	11.70
CT02000-437	2.000	+.003 / -.000	2.000		0.437	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	11.70
CT02000-500	2.000	+.003 / -.000	2.000		0.500	0.125	1.625	+.016 / -.016	0.116	+.003 / -.000	11.70
CT02125-500	2.125	+.003 / -.000	2.125		0.500	0.125	1.750	+.016 / -.016	0.116	+.003 / -.000	13.90
CT02250-500	2.250	+.003 / -.000	2.250		0.500	0.125	1.875	+.016 / -.016	0.116	+.003 / -.000	13.10
CT02375-500	2.375	+.003 / -.000	2.375		0.500	0.125	2.000	+.016 / -.016	0.116	+.003 / -.000	15.60
CT02500-500	2.500	+.003 / -.000	2.500		0.500	0.125	2.125	+.016 / -.016	0.116	+.003 / -.000	14.55
CT02625-500	2.625	+.003 / -.000	2.625		0.500	0.125	2.250	+.016 / -.016	0.116	+.003 / -.000	16.85
CT02750-500	2.750	+.003 / -.000	2.750		0.500	0.125	2.375	+.016 / -.016	0.116	+.003 / -.000	15.90
CT02875-500	2.875	+.003 / -.000	2.875		0.500	0.125	2.500	+.016 / -.016	0.116	+.003 / -.000	19.15
CT03000-625	3.000	+.004 / -.000	3.000		0.625	0.125	2.625	+.016 / -.016	0.116	+.003 / -.000	18.30
CT03250-625	3.250	+.004 / -.000	3.250		0.625	0.125	2.875	+.016 / -.016	0.116	+.003 / -.000	18.75
CT03375-625	3.375	+.004 / -.000	3.375		0.625	0.125	3.000	+.016 / -.016	0.116	+.003 / -.000	22.00
CT03500-625	3.500	+.004 / -.000	3.500		0.625	0.125	3.125	+.016 / -.016	0.116	+.003 / -.000	20.10
CT03750-625	3.750	+.004 / -.000	3.750		0.625	0.125	3.375	+.016 / -.016	0.116	+.003 / -.000	21.65
CT04000-437	4.000	+.004 / -.000	4.000		0.437	0.125	3.625	+.016 / -.016	0.116	+.003 / -.000	23.80
CT04000-625	4.000	+.004 / -.000	4.000		0.625	0.125	3.625	+.016 / -.016	0.116	+.003 / -.000	23.80
CT04250-625	4.250	+.004 / -.000	4.250		0.625	0.125	3.875	+.016 / -.016	0.116	+.003 / -.000	24.55
CT04500-625	4.500	+.004 / -.000	4.500		0.625	0.125	4.125	+.016 / -.016	0.116	+.003 / -.000	25.95
CT04750-750	4.750	+.004 / -.000	4.750		0.750	0.125	4.375	+.016 / -.016	0.116	+.003 / -.000	27.35
CT05000-562	5.000	+.004 / -.000	5.000		0.562	0.125	4.625	+.016 / -.016	0.116	+.003 / -.000	31.80
CT05000-750	5.000	+.004 / -.000	5.000		0.750	0.125	4.625	+.016 / -.016	0.116	+.003 / -.000	31.80
CT05250-750	5.250	+.004 / -.000	5.250		0.750	0.125	4.875	+.016 / -.016	0.116	+.003 / -.000	36.25
CT05500-750	5.500	+.004 / -.000	5.500		0.750	0.125	5.125	+.016 / -.016	0.116	+.003 / -.000	40.75
CT05750-750	5.750	+.004 / -.000	5.750		0.750	0.125	5.375	+.016 / -.016	0.116	+.003 / -.000	45.10
CT06000-750	6.000	+.004 / -.000	6.000		0.750	0.125	5.625	+.016 / -.016	0.116	+.003 / -.000	49.60
CT06500-750	6.500	+.004 / -.000	6.500		0.750	0.125	6.125	+.016 / -.016	0.116	+.003 / -.000	57.55
CT07000-750	7.000	+.005 / -.000	7.000		0.750	0.125	6.625	+.016 / -.016	0.116	+.003 / -.000	62.95
CT08000-1000	8.000	+.005 / -.000	8.000		1.000	0.125	7.625	+.016 / -.016	0.116	+.003 / -.000	71.90
CT08750-1000	8.750	+.005 / -.000	8.750		1.000	0.125	8.375	+.016 / -.016	0.116	+.003 / -.000	88.40
CT10000-1000	10.000	+.005 / -.000	10.000		1.000	0.125	9.625	+.016 / -.016	0.116	+.003 / -.000	89.70
CT11000-1250	11.000	+.006 / -.000	11.000		1.250	0.187	10.500	+.016 / -.016	0.178	+.003 / -.000	126.10
CT12000-1250	12.000	+.006 / -.000	12.000		1.250	0.187	11.500	+.016 / -.016	0.178	+.003 / -.000	166.40
CT12500-1250	12.500	+.006 / -.000	12.500		1.250	0.187	12.000	+.016 / -.016	0.178	+.003 / -.000	171.95
CT13000-1250	13.000	+.006 / -.000	13.000		1.250	0.187	12.500	+.016 / -.016	0.178	+.003 / -.000	177.55

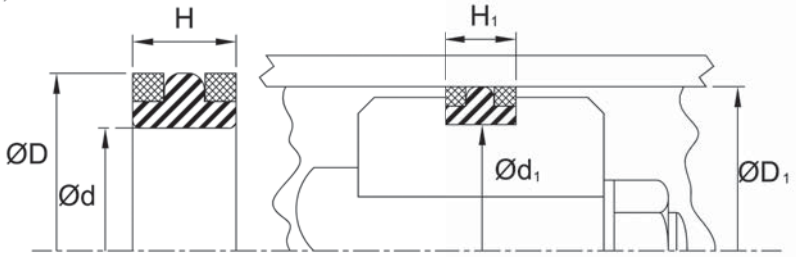
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



TP - Piston Seals

Nitrile/Nylon





Temperature: -40/225F [-40/107C] **Pressure: 2500 PSI [175 BAR]**

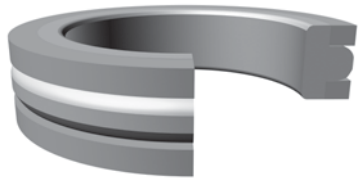
Ref.Number	Bore diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
TP-106	0.375 +.003 / -.000	0.375	0.187		0.375	+.003 / -.000	0.190	+.002 / -.000	0.150	+.005 / -.000	4.35
TP-108	0.437 +.003 / -.000	0.437	0.250		0.437	+.003 / -.000	0.252	+.002 / -.000	0.150	+.005 / -.000	4.45
TP-109	0.500 +.003 / -.000	0.500	0.312		0.500	+.003 / -.000	0.315	+.002 / -.000	0.150	+.005 / -.000	4.50
TP-203	0.562 +.003 / -.000	0.562	0.312		0.562	+.003 / -.000	0.317	+.002 / -.000	0.185	+.005 / -.000	4.55
TP-204	0.625 +.003 / -.000	0.625	0.375		0.625	+.003 / -.000	0.380	+.002 / -.000	0.185	+.005 / -.000	4.65
TP-205	0.687 +.003 / -.000	0.687	0.437		0.687	+.003 / -.000	0.442	+.002 / -.000	0.185	+.005 / -.000	4.75
TP-206	0.750 +.003 / -.000	0.750	0.500		0.750	+.003 / -.000	0.505	+.002 / -.000	0.185	+.005 / -.000	4.80
TP-207	0.812 +.003 / -.000	0.812	0.562		0.812	+.003 / -.000	0.567	+.002 / -.000	0.185	+.005 / -.000	4.95
TP-208	0.875 +.003 / -.000	0.875	0.625		0.875	+.003 / -.000	0.630	+.002 / -.000	0.185	+.005 / -.000	5.05
TP-209	0.937 +.003 / -.000	0.937	0.687		0.937	+.003 / -.000	0.692	+.002 / -.000	0.185	+.005 / -.000	5.15
TP-210	1.000 +.003 / -.000	1.000	0.750		1.000	+.003 / -.000	0.756	+.002 / -.000	0.185	+.005 / -.000	5.20
TP-211	1.062 +.003 / -.000	1.062	0.812		1.062	+.003 / -.000	0.818	+.002 / -.000	0.185	+.005 / -.000	5.40
TP-212	1.125 +.003 / -.000	1.125	0.875		1.125	+.003 / -.000	0.881	+.002 / -.000	0.185	+.005 / -.000	5.60
TP-213	1.187 +.003 / -.000	1.187	0.937		1.187	+.003 / -.000	0.943	+.002 / -.000	0.185	+.005 / -.000	5.70
TP-214	1.250 +.003 / -.000	1.250	1.000		1.250	+.003 / -.000	1.006	+.002 / -.000	0.185	+.005 / -.000	5.85
TP-215	1.312 +.003 / -.000	1.312	1.062		1.312	+.003 / -.000	1.068	+.002 / -.000	0.185	+.005 / -.000	6.10
TP-216	1.375 +.003 / -.000	1.375	1.125		1.375	+.003 / -.000	1.131	+.002 / -.000	0.185	+.005 / -.000	6.35
TP-217	1.437 +.003 / -.000	1.437	1.187		1.437	+.003 / -.000	1.193	+.002 / -.000	0.185	+.005 / -.000	6.60
TP-218	1.500 +.003 / -.000	1.500	1.250		1.500	+.003 / -.000	1.256	+.002 / -.000	0.185	+.005 / -.000	6.70
TP-219	1.562 +.003 / -.000	1.562	1.312		1.562	+.003 / -.000	1.318	+.002 / -.000	0.185	+.005 / -.000	7.00
TP-220	1.625 +.003 / -.000	1.625	1.375		1.625	+.003 / -.000	1.381	+.002 / -.000	0.185	+.005 / -.000	7.25
TP-222	1.750 +.003 / -.000	1.750	1.500		1.750	+.003 / -.000	1.506	+.002 / -.000	0.185	+.005 / -.000	8.20
TP-325	1.875 +.003 / -.000	1.875	1.500		1.875	+.003 / -.000	1.502	+.002 / -.000	0.280	+.005 / -.000	8.75
TP-326	2.000 +.003 / -.000	2.000	1.625		2.000	+.003 / -.000	1.627	+.002 / -.000	0.280	+.005 / -.000	9.45
TP-327	2.125 +.003 / -.000	2.125	1.750		2.125	+.003 / -.000	1.752	+.002 / -.000	0.280	+.005 / -.000	9.85
TP-328	2.250 +.003 / -.000	2.250	1.875		2.250	+.003 / -.000	1.877	+.002 / -.000	0.280	+.005 / -.000	10.45
TP-329	2.375 +.003 / -.000	2.375	2.000		2.375	+.003 / -.000	2.002	+.002 / -.000	0.280	+.005 / -.000	11.00
TP-330	2.500 +.003 / -.000	2.500	2.125		2.500	+.003 / -.000	2.127	+.002 / -.000	0.280	+.005 / -.000	11.60
TP-331	2.625 +.003 / -.000	2.625	2.250		2.625	+.003 / -.000	2.252	+.002 / -.000	0.280	+.005 / -.000	12.15
TP-332	2.750 +.003 / -.000	2.750	2.375		2.750	+.003 / -.000	2.377	+.003 / -.001	0.280	+.005 / -.000	12.75
TP-333	2.875 +.003 / -.000	2.875	2.500		2.875	+.003 / -.000	2.502	+.003 / -.001	0.280	+.005 / -.000	13.25
TP-334	3.000 +.004 / -.000	3.000	2.625		3.000	+.004 / -.000	2.627	+.003 / -.001	0.280	+.005 / -.000	13.65
TP-335	3.125 +.004 / -.000	3.125	2.750		3.125	+.004 / -.000	2.752	+.003 / -.001	0.280	+.005 / -.000	14.40
TP-336	3.250 +.004 / -.000	3.250	2.875		3.250	+.004 / -.000	2.877	+.003 / -.001	0.280	+.005 / -.000	15.90
TP-338	3.500 +.004 / -.000	3.500	3.125		3.500	+.004 / -.000	3.128	+.003 / -.001	0.280	+.005 / -.000	17.45
TP-339	3.625 +.004 / -.000	3.625	3.250		3.625	+.004 / -.000	3.253	+.003 / -.001	0.280	+.005 / -.001	18.95
TP-340	3.750 +.004 / -.000	3.750	3.375		3.750	+.004 / -.000	3.378	+.003 / -.001	0.280	+.005 / -.001	19.70
TP-341	3.875 +.004 / -.000	3.875	3.500		3.875	+.004 / -.000	3.503	+.003 / -.001	0.280	+.005 / -.001	21.20

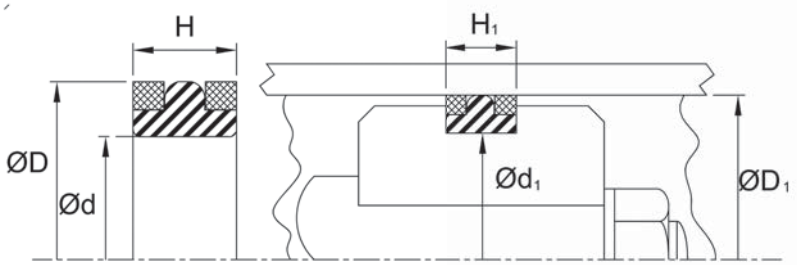
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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
TP-342	4.000	+.004 / -.000	4.000	3.625		4.000	+.004 / -.000	3.628	+.003 / -.001	0.280	+.005 / -.001	22.00
TP-343	4.125	+.004 / -.000	4.125	3.750		4.125	+.004 / -.000	3.753	+.003 / -.001	0.280	+.005 / -.001	23.50
TP-344	4.250	+.004 / -.000	4.250	3.875		4.250	+.004 / -.000	3.878	+.003 / -.001	0.280	+.005 / -.001	24.25
TP-345	4.375	+.004 / -.000	4.375	4.000		4.375	+.004 / -.000	4.003	+.003 / -.001	0.280	+.005 / -.001	25.75
TP-346	4.500	+.004 / -.000	4.500	4.125		4.500	+.004 / -.000	4.128	+.003 / -.001	0.280	+.005 / -.001	27.25
TP-347	4.625	+.004 / -.000	4.625	4.250		4.625	+.004 / -.000	4.253	+.003 / -.001	0.280	+.005 / -.001	28.00
TP-348	4.750	+.004 / -.000	4.750	4.375		4.750	+.004 / -.000	4.378	+.003 / -.001	0.280	+.005 / -.001	29.50
TP-349	4.875	+.004 / -.000	4.875	4.500		4.875	+.004 / -.000	4.503	+.003 / -.001	0.280	+.005 / -.001	31.80
TP-350	5.000	+.004 / -.000	5.000	4.625		5.000	+.004 / -.000	4.629	+.003 / -.001	0.280	+.005 / -.001	33.35
TP-426	5.125	+.004 / -.000	5.125	4.625		5.125	+.004 / -.000	4.649	+.003 / -.001	0.366	+.005 / -.001	37.95
TP-427	5.250	+.004 / -.000	5.250	4.750		5.250	+.004 / -.000	4.774	+.003 / -.001	0.366	+.005 / -.001	38.65
TP-428	5.375	+.004 / -.000	5.375	4.875		5.375	+.004 / -.000	4.889	+.003 / -.001	0.366	+.005 / -.001	40.15
TP-429	5.500	+.004 / -.000	5.500	5.000		5.500	+.004 / -.000	5.024	+.003 / -.001	0.366	+.005 / -.001	40.60
TP-430	5.625	+.004 / -.000	5.625	5.125		5.625	+.004 / -.000	5.149	+.003 / -.001	0.366	+.005 / -.001	41.15
TP-431	5.750	+.004 / -.000	5.750	5.250		5.750	+.004 / -.000	5.274	+.003 / -.001	0.366	+.005 / -.001	41.40
TP-432	5.875	+.004 / -.000	5.875	5.375		5.875	+.004 / -.000	5.399	+.003 / -.001	0.366	+.005 / -.001	42.45
TP-433	6.000	+.004 / -.000	6.000	5.500		6.000	+.004 / -.000	5.524	+.003 / -.001	0.366	+.005 / -.001	43.85
TP-434	6.125	+.004 / -.000	6.125	5.625		6.125	+.004 / -.000	5.649	+.003 / -.001	0.366	+.005 / -.001	45.20
TP-435	6.250	+.004 / -.000	6.250	5.750		6.250	+.004 / -.000	5.774	+.003 / -.001	0.366	+.005 / -.001	45.90
TP-437	6.500	+.004 / -.000	6.500	6.000		6.500	+.004 / -.000	6.024	+.004 / -.002	0.366	+.005 / -.001	46.75
TP-438	6.750	+.005 / -.000	6.750	6.250		6.750	+.005 / -.000	6.274	+.004 / -.002	0.366	+.005 / -.001	51.25
TP-439	7.000	+.005 / -.000	7.000	6.500		7.000	+.005 / -.000	6.524	+.004 / -.002	0.366	+.005 / -.001	54.45
TP-440	7.250	+.005 / -.000	7.250	6.750		7.250	+.005 / -.000	6.774	+.004 / -.002	0.366	+.005 / -.001	56.75
TP-441	7.500	+.005 / -.000	7.500	7.000		7.500	+.005 / -.000	7.024	+.004 / -.002	0.366	+.005 / -.001	58.95
TP-442	7.750	+.005 / -.000	7.750	7.250		7.750	+.005 / -.000	7.274	+.004 / -.002	0.366	+.005 / -.001	64.05
TP-443	8.000	+.005 / -.000	8.000	7.500		8.000	+.005 / -.000	7.524	+.004 / -.002	0.366	+.005 / -.001	67.45
TP-444	8.250	+.005 / -.000	8.250	7.750		8.250	+.005 / -.000	7.774	+.004 / -.002	0.366	+.005 / -.001	72.60
TP-445	8.500	+.005 / -.000	8.500	8.000		8.500	+.005 / -.000	8.024	+.004 / -.002	0.366	+.005 / -.001	89.15
TP-446	9.000	+.005 / -.000	9.000	8.500		9.000	+.005 / -.000	8.524	+.004 / -.002	0.366	+.005 / -.001	92.20
TP-447	9.500	+.005 / -.000	9.500	9.000		9.500	+.005 / -.000	9.024	+.004 / -.002	0.366	+.005 / -.001	96.00
TP-448	10.000	+.005 / -.000	10.000	9.500		10.000	+.005 / -.000	9.524	+.004 / -.002	0.366	+.005 / -.001	100.15
TP-449	10.500	+.005 / -.000	10.500	10.000		10.500	+.005 / -.000	10.024	+.004 / -.002	0.366	+.005 / -.001	119.10
TP-450	11.000	+.006 / -.000	11.000	10.500		11.000	+.006 / -.000	10.524	+.004 / -.002	0.366	+.005 / -.001	130.85
TP-451	11.500	+.006 / -.000	11.500	11.000		11.500	+.006 / -.000	11.024	+.004 / -.002	0.366	+.005 / -.001	145.90
TP-452	12.000	+.006 / -.000	12.000	11.500		12.000	+.006 / -.000	11.524	+.004 / -.002	0.366	+.005 / -.001	156.50

TP-1 - Piston Seals

Nitrile/Nylon



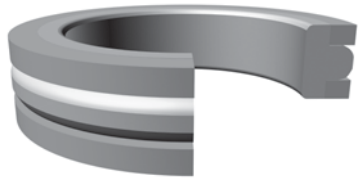


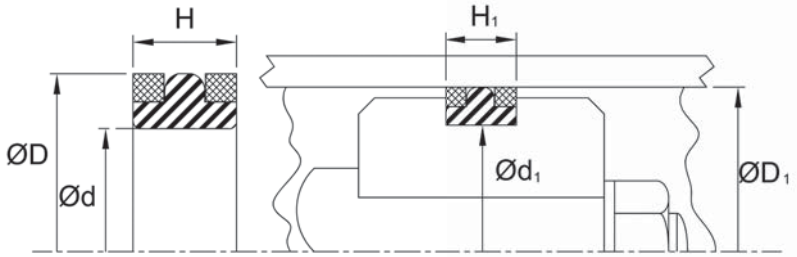
Temperature: -40/225F [-40/107C] **Pressure: 2500 PSI [175 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
TP-222-1	1.750 +.003 / -.000	1.750	1.500		1.750	+.003 / -.000	1.506	+.002 / -.000	0.235	+.010 / -.000	18.35
TP-326-1	2.000 +.003 / -.000	2.000	1.625		2.000	+.003 / -.000	1.627	+.002 / -.000	0.334	+.010 / -.000	19.15
TP-328-1	2.250 +.003 / -.000	2.250	1.875		2.250	+.003 / -.000	1.877	+.002 / -.000	0.334	+.010 / -.000	19.90
TP-330-1	2.500 +.003 / -.000	2.500	2.125		2.500	+.003 / -.000	2.127	+.002 / -.000	0.334	+.010 / -.000	20.95
TP-334-1	3.000 +.004 / -.000	3.000	2.625		3.000	+.004 / -.000	2.627	+.003 / -.001	0.334	+.010 / -.000	32.55
TP-338-1	3.500 +.004 / -.000	3.500	3.125		3.500	+.004 / -.000	3.128	+.003 / -.001	0.334	+.010 / -.000	33.95
TP-346-1	4.500 +.004 / -.000	4.500	4.125		4.500	+.004 / -.000	4.128	+.003 / -.001	0.334	+.010 / -.000	66.05
TP-347-1	4.625 +.004 / -.000	4.625	4.250		4.625	+.004 / -.000	4.253	+.003 / -.001	0.334	+.010 / -.000	69.55
TP-425-1	5.000 +.004 / -.000	5.000	4.500		5.000	+.004 / -.000	4.524	+.003 / -.001	0.475	+.010 / -.000	73.15
TP-429-1	5.500 +.004 / -.000	5.500	5.000		5.500	+.004 / -.000	5.024	+.003 / -.001	0.475	+.010 / -.000	76.25
TP-433-1	6.000 +.004 / -.000	6.000	5.500		6.000	+.004 / -.000	5.524	+.003 / -.001	0.475	+.010 / -.000	87.00
TP-435-1	6.250 +.004 / -.000	6.250	5.750		6.250	+.004 / -.000	5.774	+.003 / -.001	0.475	+.010 / -.000	98.25
TP-439-1	7.000 +.005 / -.000	7.000	6.500		7.000	+.005 / -.000	6.524	+.004 / -.002	0.475	+.010 / -.000	102.70
TP-444-1	8.250 +.005 / -.000	8.250	7.750		8.250	+.005 / -.000	7.774	+.004 / -.002	0.475	+.010 / -.000	127.95
TP-446-1	9.000 +.005 / -.000	9.000	8.500		9.000	+.005 / -.000	8.524	+.004 / -.002	0.475	+.010 / -.000	184.75
TP-448-1	10.000 +.005 / -.000	10.000	9.500		10.000	+.005 / -.000	9.524	+.004 / -.002	0.475	+.010 / -.000	211.75
TP-450-1	11.000 +.006 / -.000	11.000	10.500		11.000	+.006 / -.000	10.524	+.004 / -.002	0.475	+.010 / -.000	207.05

TP-2 - Piston Seal

Nitrile/Nylon





Temperature: -40/225F [-40/107C] **Pressure: 2500 PSI [175 BAR]**

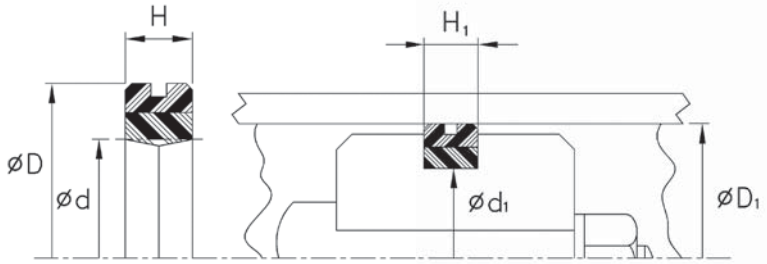
Ref.Number	Bore diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
TP-218-2	1.500 +.003 / -.000	1.500	1.250		1.500	+.003 / -.000	1.256	+.002 / -.000	0.304	+.010 / -.000	15.50
TP-328-2	2.250 +.003 / -.000	2.250	1.875		2.250	+.003 / -.000	1.877	+.002 / -.000	0.424	+.010 / -.000	22.20
TP-330-2	2.500 +.003 / -.000	2.500	2.125		2.500	+.003 / -.000	2.127	+.002 / -.000	0.424	+.010 / -.000	24.40
TP-333-2	2.875 +.003 / -.000	2.875	2.500		2.875	+.003 / -.000	2.502	+.003 / -.001	0.424	+.010 / -.000	31.25

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
TP-334-2	3.000	+.004 / -.000	3.000	2.625		3.000	+.004 / -.000	2.627	+.003 / -.001	0.424	+.010 / -.000	34.50
TP-338-2	3.500	+.004 / -.000	3.500	3.125		3.500	+.004 / -.000	3.128	+.003 / -.001	0.424	+.010 / -.000	37.75
TP-342-2	4.000	+.004 / -.000	4.000	3.625		4.000	+.004 / -.000	3.628	+.003 / -.001	0.424	+.010 / -.000	45.35
TP-346-2	4.500	+.004 / -.000	4.500	4.125		4.500	+.004 / -.000	4.128	+.003 / -.001	0.424	+.010 / -.000	53.75
TP-348-2	4.750	+.004 / -.000	4.750	4.375		4.750	+.004 / -.000	4.378	+.003 / -.001	0.424	+.010 / -.000	62.65
TP-350-2	5.000	+.004 / -.000	5.000	4.625		5.000	+.004 / -.000	4.629	+.003 / -.001	0.424	+.010 / -.000	69.45
TP-425-2	5.000	+.004 / -.000	5.000	4.500		5.000	+.004 / -.000	4.524	+.003 / -.001	0.579	+.010 / -.000	77.15
TP-427-2	5.250	+.004 / -.000	5.250	4.750		5.250	+.004 / -.000	4.774	+.003 / -.001	0.579	+.010 / -.000	90.80
TP-429-2	5.500	+.004 / -.000	5.500	5.000		5.500	+.004 / -.000	5.024	+.003 / -.001	0.579	+.010 / -.000	95.35
TP-433-2	6.000	+.004 / -.000	6.000	5.500		6.000	+.004 / -.000	5.524	+.003 / -.001	0.579	+.010 / -.000	100.15
TP-439-2	7.000	+.005 / -.000	7.000	6.500		7.000	+.005 / -.000	6.524	+.004 / -.002	0.579	+.010 / -.000	113.80
TP-443-2	8.000	+.005 / -.000	8.000	7.500		8.000	+.005 / -.000	7.524	+.004 / -.002	0.579	+.010 / -.000	141.05
TP-448-2	10.000	+.005 / -.000	10.000	9.500		10.000	+.005 / -.000	9.524	+.004 / -.002	0.579	+.010 / -.000	189.40
TP-449-2	10.500	+.005 / -.000	10.500	10.000		10.500	+.005 / -.000	10.024	+.004 / -.002	0.579	+.010 / -.000	O/R

Uniring - Piston Seal

Polyurethane AU 57A/AU 60D





Temperature: -65/220F [-54/104C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UNI12501250-187	1.500	+.004 / -.000	1.500	1.250	0.187	1.500	+.004 / -.000	1.250	+.004 / -.000	0.196	+.015 / -.000	3.60
UNI18701125-250	1.500	+.004 / -.000	1.500	1.125	0.250	1.500	+.004 / -.000	1.125	+.004 / -.000	0.263	+.015 / -.000	4.95
UNI25001000-375	1.500	+.004 / -.000	1.500	1.000	0.375	1.500	+.004 / -.000	1.000	+.004 / -.000	0.394	+.015 / -.000	6.60
UNI18701375-250	1.750	+.003 / -.000	1.750	1.375	0.250	1.750	+.003 / -.000	1.375	+.004 / -.000	0.263	+.015 / -.000	5.15
UNI18701375-500	1.750	+.003 / -.000	1.750	1.375	0.500	1.750	+.003 / -.000	1.375	+.004 / -.000	0.526	+.015 / -.000	9.00
UNI25001250-375	1.750	+.003 / -.000	1.750	1.250	0.375	1.750	+.003 / -.000	1.250	+.004 / -.000	0.394	+.015 / -.000	7.00
UNI18701625-312	2.000	+.003 / -.000	2.000	1.625	0.312	2.000	+.003 / -.000	1.625	+.004 / -.000	0.328	+.015 / -.000	6.45
UNI18701625-375	2.000	+.003 / -.000	2.000	1.625	0.375	2.000	+.003 / -.000	1.625	+.004 / -.000	0.394	+.015 / -.000	7.50
UNI25001500-375	2.000	+.003 / -.000	2.000	1.500	0.375	2.000	+.003 / -.000	1.500	+.005 / -.000	0.394	+.015 / -.000	8.20
UNI18701875-312	2.250	+.003 / -.000	2.250	1.875	0.312	2.250	+.003 / -.000	1.875	+.004 / -.000	0.328	+.015 / -.000	7.80
UNI18702125-312	2.500	+.003 / -.000	2.500	2.125	0.312	2.500	+.003 / -.000	2.125	+.004 / -.000	0.328	+.015 / -.000	7.90
UNI18702125-375	2.500	+.003 / -.000	2.500	2.125	0.375	2.500	+.003 / -.000	2.125	+.004 / -.000	0.394	+.015 / -.000	8.20

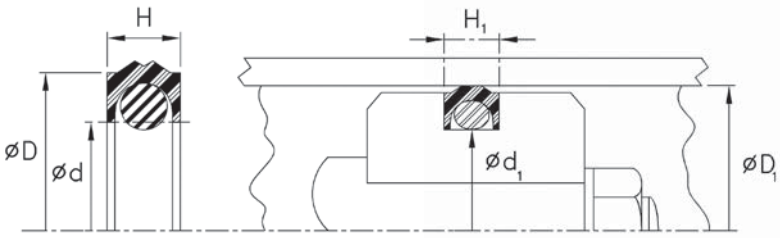
UNIRING SERIES - AU 57A/AU 60D

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
UNI25002000-375	2.500	+.003 / -.000	2.500	2.000	0.375	2.500	+.003 / -.000	2.000	+.005 / -.000	0.394	+.015 / -.000	8.40
UNI18702375-312	2.750	+.003 / -.000	2.750	2.375	0.312	2.750	+.003 / -.000	2.375	+.004 / -.000	0.328	+.015 / -.000	8.35
UNI18702625-312	3.000	+.004 / -.000	3.000	2.625	0.312	3.000	+.004 / -.000	2.625	+.004 / -.000	0.328	+.015 / -.000	8.55
UNI18702625-375	3.000	+.004 / -.000	3.000	2.625	0.375	3.000	+.004 / -.000	2.625	+.004 / -.000	0.394	+.015 / -.000	8.55
UNI25002500-375	3.000	+.004 / -.000	3.000	2.500	0.375	3.000	+.004 / -.000	2.500	+.005 / -.000	0.394	+.015 / -.000	8.90
UNI25002500-500	3.000	+.004 / -.000	3.000	2.500	0.500	3.000	+.004 / -.000	2.500	+.005 / -.000	0.526	+.015 / -.000	17.60
UNI18702875-312	3.250	+.004 / -.000	3.250	2.875	0.312	3.250	+.004 / -.000	2.875	+.004 / -.000	0.328	+.015 / -.000	8.75
UNI25002750-562	3.250	+.004 / -.000	3.250	2.750	0.562	3.250	+.004 / -.000	2.750	+.005 / -.000	0.591	+.015 / -.000	18.60
UNI18703125-312	3.500	+.004 / -.000	3.500	3.125	0.312	3.500	+.004 / -.000	3.125	+.004 / -.000	0.328	+.015 / -.000	9.10
UNI18703125-375	3.500	+.004 / -.000	3.500	3.125	0.375	3.500	+.004 / -.000	3.125	+.004 / -.000	0.394	+.015 / -.000	9.10
UNI25003000-375	3.500	+.004 / -.000	3.500	3.000	0.375	3.500	+.004 / -.000	3.000	+.005 / -.000	0.394	+.015 / -.000	9.10
UNI18703375-312	3.750	+.004 / -.000	3.750	3.375	0.312	3.750	+.004 / -.000	3.375	+.004 / -.000	0.328	+.015 / -.000	9.35
UNI18703625-375	4.000	+.004 / -.000	4.000	3.625	0.375	4.000	+.004 / -.000	3.625	+.004 / -.000	0.394	+.015 / -.000	9.75
UNI25003500-375	4.000	+.004 / -.000	4.000	3.500	0.375	4.000	+.004 / -.000	3.500	+.005 / -.000	0.394	+.015 / -.000	11.80
UNI37503250-625	4.000	+.004 / -.000	4.000	3.250	0.625	4.000	+.004 / -.000	3.250	+.007 / -.000	0.657	+.015 / -.000	21.90
UNI25004000-375	4.500	+.004 / -.000	4.500	4.000	0.375	4.500	+.004 / -.000	4.000	+.005 / -.000	0.394	+.015 / -.000	12.30
UNI25004000-562	4.500	+.004 / -.000	4.500	4.000	0.562	4.500	+.004 / -.000	4.000	+.005 / -.000	0.591	+.015 / -.000	14.25
UNI37503750-625	4.500	+.004 / -.000	4.500	3.750	0.625	4.500	+.004 / -.000	3.750	+.007 / -.000	0.657	+.015 / -.000	24.90
UNI25004500-375	5.000	+.004 / -.000	5.000	4.500	0.375	5.000	+.004 / -.000	4.500	+.005 / -.000	0.394	+.015 / -.000	15.55
UNI25004500-500	5.000	+.004 / -.000	5.000	4.500	0.500	5.000	+.004 / -.000	4.500	+.005 / -.000	0.526	+.015 / -.000	21.40
UNI25004500-562	5.000	+.004 / -.000	5.000	4.500	0.562	5.000	+.004 / -.000	4.500	+.005 / -.000	0.591	+.015 / -.000	21.40
UNI31204375-500	5.000	+.004 / -.000	5.000	4.375	0.500	5.000	+.004 / -.000	4.375	+.005 / -.000	0.526	+.015 / -.000	31.90
UNI37504250-625	5.000	+.004 / -.000	5.000	4.250	0.625	5.000	+.004 / -.000	4.250	+.007 / -.000	0.657	+.015 / -.000	27.65
UNI25004750-562	5.250	+.004 / -.000	5.250	4.750	0.562	5.250	+.004 / -.000	4.750	+.005 / -.000	0.591	+.015 / -.000	21.75
UNI25005000-375	5.500	+.004 / -.000	5.500	5.000	0.375	5.500	+.004 / -.000	5.000	+.005 / -.000	0.394	+.015 / -.000	27.40
UNI37504750-625	5.500	+.004 / -.000	5.500	4.750	0.625	5.500	+.004 / -.000	4.750	+.007 / -.000	0.657	+.015 / -.000	30.95
UNI25005500-375	6.000	+.004 / -.000	6.000	5.500	0.375	6.000	+.004 / -.000	5.500	+.005 / -.000	0.394	+.015 / -.000	29.75
UNI25005500-562	6.000	+.004 / -.000	6.000	5.500	0.562	6.000	+.004 / -.000	5.500	+.005 / -.000	0.591	+.015 / -.000	29.75
UNI31205375-500	6.000	+.004 / -.000	6.000	5.375	0.500	6.000	+.004 / -.000	5.375	+.005 / -.000	0.526	+.015 / -.000	34.10
UNI37505250-625	6.000	+.004 / -.000	6.000	5.250	0.625	6.000	+.004 / -.000	5.250	+.007 / -.000	0.657	+.015 / -.000	34.35
UNI25006000-562	6.500	+.004 / -.000	6.500	6.000	0.562	6.500	+.004 / -.000	6.000	+.005 / -.000	0.591	+.015 / -.000	30.10

PSP - Piston Seal

Polyurethane/Nitrile





Temperature: -65/220F [-54/104C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
PSP-203	0.562 +.003 / -.000	0.562	0.312	0.160	0.562	+.003 / -.000	0.320	+.000 / -.002	0.187	+.005 / -.000	7.25
PSP-204	0.625 +.003 / -.000	0.625	0.375	0.160	0.625	+.003 / -.000	0.383	+.000 / -.002	0.187	+.005 / -.000	7.35
PSP-205	0.687 +.003 / -.000	0.687	0.437	0.160	0.687	+.003 / -.000	0.445	+.000 / -.002	0.187	+.005 / -.000	7.50
PSP-206	0.750 +.003 / -.000	0.750	0.500	0.160	0.750	+.003 / -.000	0.508	+.000 / -.002	0.187	+.005 / -.000	5.25
PSP-207	0.812 +.003 / -.000	0.812	0.562	0.160	0.812	+.003 / -.000	0.570	+.000 / -.002	0.187	+.005 / -.000	7.65
PSP-208	0.875 +.003 / -.000	0.875	0.625	0.160	0.875	+.003 / -.000	0.633	+.000 / -.002	0.187	+.005 / -.000	5.40
PSP-209	0.937 +.003 / -.000	0.937	0.687	0.160	0.937	+.003 / -.000	0.695	+.000 / -.002	0.187	+.005 / -.000	8.10
PSP-210	1.000 +.003 / -.000	1.000	0.750	0.160	1.000	+.003 / -.000	0.758	+.000 / -.002	0.187	+.005 / -.000	5.80
PSP-211	1.062 +.003 / -.000	1.062	0.812	0.160	1.062	+.003 / -.000	0.820	+.000 / -.002	0.187	+.005 / -.000	8.65
PSP-212	1.125 +.003 / -.000	1.125	0.875	0.160	1.125	+.003 / -.000	0.883	+.000 / -.002	0.187	+.005 / -.000	6.15
PSP-213	1.187 +.003 / -.000	1.187	0.937	0.160	1.187	+.003 / -.000	0.945	+.000 / -.002	0.187	+.005 / -.000	9.20
PSP-214	1.250 +.003 / -.000	1.250	1.000	0.160	1.250	+.003 / -.000	1.008	+.000 / -.002	0.187	+.005 / -.000	6.60
PSP-215	1.312 +.003 / -.000	1.312	1.062	0.160	1.312	+.003 / -.000	1.070	+.000 / -.002	0.187	+.005 / -.000	9.70
PSP-216	1.375 +.003 / -.000	1.375	1.125	0.160	1.375	+.003 / -.000	1.133	+.000 / -.002	0.187	+.005 / -.000	6.95
PSP-217	1.437 +.003 / -.000	1.437	1.187	0.160	1.437	+.003 / -.000	1.195	+.000 / -.002	0.187	+.005 / -.000	10.20
PSP-218	1.500 +.003 / -.000	1.500	1.250	0.160	1.500	+.003 / -.000	1.258	+.000 / -.002	0.187	+.005 / -.000	7.30
PSP-219	1.562 +.003 / -.000	1.562	1.312	0.160	1.562	+.003 / -.000	1.320	+.000 / -.002	0.187	+.005 / -.000	10.95
PSP-220	1.625 +.003 / -.000	1.625	1.375	0.160	1.625	+.003 / -.000	1.383	+.000 / -.002	0.187	+.005 / -.000	7.85
PSP-221	1.687 +.003 / -.000	1.687	1.437	0.160	1.687	+.003 / -.000	1.445	+.000 / -.002	0.187	+.005 / -.000	11.80
PSP-222	1.750 +.003 / -.000	1.750	1.500	0.160	1.750	+.003 / -.000	1.508	+.000 / -.002	0.187	+.005 / -.000	8.40
PSP-325	1.875 +.003 / -.000	1.875	1.500	0.235	1.875	+.003 / -.000	1.505	+.000 / -.002	0.281	+.005 / -.000	8.90
PSP-326	2.000 +.003 / -.000	2.000	1.625	0.235	2.000	+.003 / -.000	1.630	+.000 / -.002	0.281	+.005 / -.000	9.45
PSP-327	2.125 +.003 / -.000	2.125	1.750	0.235	2.125	+.003 / -.000	1.755	+.000 / -.004	0.281	+.005 / -.000	10.45
PSP-328	2.250 +.003 / -.000	2.250	1.875	0.235	2.250	+.003 / -.000	1.880	+.000 / -.004	0.281	+.005 / -.000	11.00
PSP-329	2.375 +.003 / -.000	2.375	2.000	0.235	2.375	+.003 / -.000	2.005	+.000 / -.004	0.281	+.005 / -.000	12.05
PSP-330	2.500 +.003 / -.000	2.500	2.125	0.235	2.500	+.003 / -.000	2.130	+.000 / -.004	0.281	+.005 / -.000	12.60
PSP-331	2.625 +.003 / -.000	2.625	2.250	0.235	2.625	+.003 / -.000	2.255	+.000 / -.004	0.281	+.005 / -.000	18.75
PSP-332	2.750 +.003 / -.000	2.750	2.375	0.235	2.750	+.003 / -.000	2.380	+.000 / -.004	0.281	+.005 / -.000	13.60
PSP-333	2.875 +.003 / -.000	2.875	2.500	0.235	2.875	+.003 / -.000	2.505	+.000 / -.004	0.281	+.005 / -.000	14.10
PSP-334	3.000 +.004 / -.000	3.000	2.625	0.235	3.000	+.004 / -.000	2.630	+.000 / -.004	0.281	+.005 / -.000	14.60
PSP-335	3.125 +.004 / -.000	3.125	2.750	0.235	3.125	+.004 / -.000	2.755	+.000 / -.004	0.281	+.005 / -.000	15.70
PSP-336	3.250 +.004 / -.000	3.250	2.875	0.235	3.250	+.004 / -.000	2.880	+.000 / -.004	0.281	+.005 / -.000	16.25
PSP-337	3.375 +.004 / -.000	3.375	3.000	0.235	3.375	+.004 / -.000	3.005	+.000 / -.004	0.281	+.005 / -.000	24.10
PSP-338	3.500 +.004 / -.000	3.500	3.125	0.235	3.500	+.004 / -.000	3.130	+.000 / -.004	0.281	+.005 / -.000	17.25
PSP-339	3.625 +.004 / -.000	3.625	3.250	0.235	3.625	+.004 / -.000	3.255	+.000 / -.004	0.281	+.005 / -.000	17.75
PSP-340	3.750 +.004 / -.000	3.750	3.375	0.235	3.750	+.004 / -.000	3.380	+.000 / -.004	0.281	+.005 / -.000	18.85
PSP-341	3.875 +.004 / -.000	3.875	3.500	0.235	3.875	+.004 / -.000	3.505	+.000 / -.004	0.281	+.005 / -.000	19.80
PSP-342	4.000 +.004 / -.000	4.000	3.625	0.235	4.000	+.004 / -.000	3.630	+.000 / -.004	0.281	+.005 / -.000	20.90

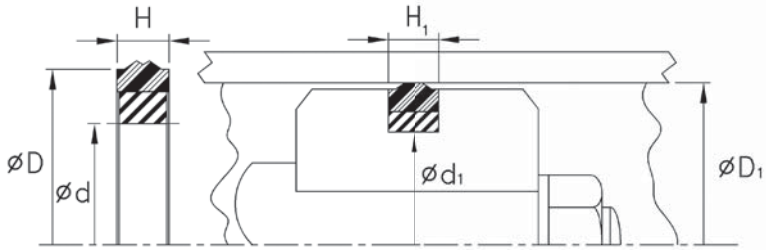
PSP SERIES - AU/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
PSP-343	4.125	+.004 / -.000	4.125	3.750	0.235	4.125	+.004 / -.000	3.755	+.000 / -.004	0.281	+.005 / -.000	22.45
PSP-344	4.250	+.004 / -.000	4.250	3.875	0.235	4.250	+.004 / -.000	3.880	+.000 / -.004	0.281	+.005 / -.000	24.05
PSP-345	4.375	+.004 / -.000	4.375	4.000	0.235	4.375	+.004 / -.000	4.005	+.000 / -.004	0.281	+.005 / -.000	25.05
PSP-346	4.500	+.004 / -.000	4.500	4.125	0.235	4.500	+.004 / -.000	4.130	+.000 / -.004	0.281	+.005 / -.000	26.10
PSP-347	4.625	+.004 / -.000	4.625	4.250	0.235	4.625	+.004 / -.000	4.255	+.000 / -.004	0.281	+.005 / -.000	27.10
PSP-348	4.750	+.004 / -.000	4.750	4.375	0.235	4.750	+.004 / -.000	4.380	+.000 / -.004	0.281	+.005 / -.000	28.65
PSP-349	4.875	+.004 / -.000	4.875	4.500	0.235	4.875	+.004 / -.000	4.505	+.000 / -.004	0.281	+.005 / -.000	29.75
PSP-350	5.000	+.004 / -.000	5.000	4.625	0.320	5.000	+.004 / -.000	4.630	+.000 / -.004	0.281	+.005 / -.000	31.35
PSP-425	5.000	+.004 / -.000	5.000	4.500	0.320	5.000	+.004 / -.000	4.528	+.000 / -.004	0.375	+.005 / -.000	32.75
PSP-426	5.125	+.004 / -.000	5.125	4.625	0.320	5.125	+.004 / -.000	4.653	+.000 / -.004	0.375	+.005 / -.000	34.50
PSP-427	5.250	+.004 / -.000	5.250	4.750	0.320	5.250	+.004 / -.000	4.778	+.000 / -.004	0.375	+.005 / -.000	36.95
PSP-428	5.375	+.004 / -.000	5.375	4.875	0.320	5.375	+.004 / -.000	4.903	+.000 / -.004	0.375	+.005 / -.000	37.50
PSP-429	5.500	+.004 / -.000	5.500	5.000	0.320	5.500	+.004 / -.000	5.028	+.000 / -.004	0.375	+.005 / -.000	38.55
PSP-430	5.625	+.004 / -.000	5.625	5.125	0.320	5.625	+.004 / -.000	5.153	+.000 / -.004	0.375	+.005 / -.000	39.65
PSP-431	5.750	+.004 / -.000	5.750	5.250	0.320	5.750	+.004 / -.000	5.278	+.000 / -.004	0.375	+.005 / -.000	40.65
PSP-432	5.875	+.004 / -.000	5.875	5.375	0.320	5.875	+.004 / -.000	5.403	+.000 / -.004	0.375	+.005 / -.000	42.70
PSP-433	6.000	+.004 / -.000	6.000	5.500	0.320	6.000	+.004 / -.000	5.528	+.000 / -.004	0.375	+.005 / -.000	45.30
PSP-434	6.125	+.004 / -.000	6.125	5.375	0.320	6.125	+.004 / -.000	5.653	+.000 / -.004	0.375	+.005 / -.000	46.40
PSP-435	6.250	+.004 / -.000	6.250	5.250	0.320	6.250	+.004 / -.000	5.778	+.000 / -.004	0.375	+.005 / -.000	47.45
PSP-437	6.500	+.004 / -.000	6.500	6.000	0.320	6.500	+.004 / -.000	6.028	+.000 / -.004	0.375	+.005 / -.000	49.45
PSP-438	6.750	+.005 / -.000	6.750	6.250	0.320	6.750	+.005 / -.000	6.278	+.000 / -.004	0.375	+.005 / -.000	51.10
PSP-439	7.000	+.005 / -.000	7.000	6.500	0.320	7.000	+.005 / -.000	6.528	+.000 / -.004	0.375	+.005 / -.000	52.60

PSP-A - Piston Seal

Polyurethane/Nitrile





Temperature: -65/220F [-54/104C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
PSP-203A	0.562	+.003 / -.000	0.562	0.312	0.165	0.562	+.003 / -.000	0.320	+.000 / -.002	0.187	+.005 / -.000	2.95
PSP-204A	0.625	+.003 / -.000	0.625	0.375	0.165	0.625	+.003 / -.000	0.383	+.000 / -.002	0.187	+.005 / -.000	O/R
PSP-205A	0.687	+.003 / -.000	0.687	0.437	0.165	0.687	+.003 / -.000	0.445	+.000 / -.002	0.187	+.005 / -.000	3.05
PSP-206A	0.750	+.003 / -.000	0.750	0.500	0.165	0.750	+.003 / -.000	0.508	+.000 / -.002	0.187	+.005 / -.000	3.10

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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
PSP-207A	0.812	+.003 / -.000	0.812	0.562	0.165	0.812	+.003 / -.000	0.570	+.000 / -.002	0.187	+.005 / -.000	3.20
PSP-208A	0.875	+.003 / -.000	0.875	0.625	0.165	0.875	+.003 / -.000	0.633	+.000 / -.002	0.187	+.005 / -.000	3.25
PSP-209A	0.937	+.003 / -.000	0.937	0.687	0.165	0.937	+.003 / -.000	0.695	+.000 / -.002	0.187	+.005 / -.000	3.30
PSP-210A	1.000	+.003 / -.000	1.000	0.750	0.165	1.000	+.003 / -.000	0.758	+.000 / -.002	0.187	+.005 / -.000	3.60
PSP-211A	1.062	+.003 / -.000	1.062	0.812	0.165	1.062	+.003 / -.000	0.820	+.000 / -.002	0.187	+.005 / -.000	3.50
PSP-212A	1.125	+.003 / -.000	1.125	0.875	0.165	1.125	+.003 / -.000	0.883	+.000 / -.002	0.187	+.005 / -.000	3.60
PSP-213A	1.187	+.003 / -.000	1.187	0.937	0.165	1.187	+.003 / -.000	0.945	+.000 / -.002	0.187	+.005 / -.000	3.70
PSP-214A	1.250	+.003 / -.000	1.250	1.000	0.165	1.250	+.003 / -.000	1.008	+.000 / -.002	0.187	+.005 / -.000	5.55
PSP-215A	1.312	+.003 / -.000	1.312	1.062	0.165	1.312	+.003 / -.000	1.070	+.000 / -.002	0.187	+.005 / -.000	3.90
PSP-216A	1.375	+.003 / -.000	1.375	1.125	0.165	1.375	+.003 / -.000	1.133	+.000 / -.002	0.187	+.005 / -.000	4.10
PSP-217A	1.437	+.003 / -.000	1.437	1.187	0.165	1.437	+.003 / -.000	1.195	+.000 / -.002	0.187	+.005 / -.000	4.20
PSP-218A	1.500	+.003 / -.000	1.500	1.250	0.165	1.500	+.003 / -.000	1.258	+.000 / -.002	0.187	+.005 / -.000	3.80
PSP-219A	1.562	+.003 / -.000	1.562	1.312	0.165	1.562	+.003 / -.000	1.320	+.000 / -.002	0.187	+.005 / -.000	4.50
PSP-220A	1.625	+.003 / -.000	1.625	1.375	0.165	1.625	+.003 / -.000	1.383	+.000 / -.002	0.187	+.005 / -.000	4.70
PSP-221A	1.687	+.003 / -.000	1.687	1.437	0.165	1.687	+.003 / -.000	1.445	+.000 / -.002	0.187	+.005 / -.000	4.75
PSP-222A	1.750	+.003 / -.000	1.750	1.500	0.165	1.750	+.003 / -.000	1.508	+.000 / -.002	0.187	+.005 / -.000	4.30
PSP-325A	1.875	+.003 / -.000	1.875	1.500	0.260	1.875	+.003 / -.000	1.505	+.000 / -.002	0.281	+.005 / -.000	5.30
PSP-326A	2.000	+.003 / -.000	2.000	1.625	0.260	2.000	+.003 / -.000	1.630	+.000 / -.002	0.281	+.005 / -.000	4.95
PSP-327A	2.125	+.003 / -.000	2.125	1.750	0.260	2.125	+.003 / -.000	1.755	+.000 / -.004	0.281	+.005 / -.000	6.05
PSP-328A	2.250	+.003 / -.000	2.250	1.875	0.260	2.250	+.003 / -.000	1.880	+.000 / -.004	0.281	+.005 / -.000	5.60
PSP-329A	2.375	+.003 / -.000	2.375	2.000	0.260	2.375	+.003 / -.000	2.005	+.000 / -.004	0.281	+.005 / -.000	6.75
PSP-330A	2.500	+.003 / -.000	2.500	2.125	0.260	2.500	+.003 / -.000	2.130	+.000 / -.004	0.281	+.005 / -.000	6.30
PSP-331A	2.625	+.003 / -.000	2.625	2.250	0.260	2.625	+.003 / -.000	2.255	+.000 / -.004	0.281	+.005 / -.000	12.50
PSP-332A	2.750	+.003 / -.000	2.750	2.375	0.260	2.750	+.003 / -.000	2.380	+.000 / -.004	0.281	+.005 / -.000	7.80
PSP-333A	2.875	+.003 / -.000	2.875	2.500	0.260	2.875	+.003 / -.000	2.505	+.000 / -.004	0.281	+.005 / -.000	8.20
PSP-334A	3.000	+.004 / -.000	3.000	2.625	0.260	3.000	+.004 / -.000	2.630	+.000 / -.004	0.281	+.005 / -.000	7.55
PSP-335A	3.125	+.004 / -.000	3.125	2.750	0.260	3.125	+.004 / -.000	2.755	+.000 / -.004	0.281	+.005 / -.000	8.80
PSP-336A	3.250	+.004 / -.000	3.250	2.875	0.260	3.250	+.004 / -.000	2.880	+.000 / -.004	0.281	+.005 / -.000	10.70
PSP-337A	3.375	+.004 / -.000	3.375	3.000	0.260	3.375	+.004 / -.000	3.005	+.000 / -.004	0.281	+.005 / -.000	9.80
PSP-338A	3.500	+.004 / -.000	3.500	3.125	0.260	3.500	+.004 / -.000	3.130	+.000 / -.004	0.281	+.005 / -.000	9.05
PSP-339A	3.625	+.004 / -.000	3.625	3.250	0.260	3.625	+.004 / -.000	3.255	+.000 / -.004	0.281	+.005 / -.000	18.05
PSP-340A	3.750	+.004 / -.000	3.750	3.375	0.260	3.750	+.004 / -.000	3.380	+.000 / -.004	0.281	+.005 / -.000	11.55
PSP-341A	3.875	+.004 / -.000	3.875	3.500	0.260	3.875	+.004 / -.000	3.505	+.000 / -.004	0.281	+.005 / -.000	12.20
PSP-342A	4.000	+.004 / -.000	4.000	3.625	0.260	4.000	+.004 / -.000	3.630	+.000 / -.004	0.281	+.005 / -.000	11.20
PSP-343A	4.125	+.004 / -.000	4.125	3.750	0.260	4.125	+.004 / -.000	3.755	+.000 / -.004	0.281	+.005 / -.000	13.65
PSP-344A	4.250	+.004 / -.000	4.250	3.875	0.260	4.250	+.004 / -.000	3.880	+.000 / -.004	0.281	+.005 / -.000	14.10
PSP-345A	4.375	+.004 / -.000	4.375	4.000	0.260	4.375	+.004 / -.000	4.005	+.000 / -.004	0.281	+.005 / -.000	15.05
PSP-346A	4.500	+.004 / -.000	4.500	4.125	0.260	4.500	+.004 / -.000	4.130	+.000 / -.004	0.281	+.005 / -.000	14.05
PSP-347A	4.625	+.004 / -.000	4.625	4.250	0.260	4.625	+.004 / -.000	4.255	+.000 / -.004	0.281	+.005 / -.000	16.55
PSP-348A	4.750	+.004 / -.000	4.750	4.375	0.260	4.750	+.004 / -.000	4.380	+.000 / -.004	0.281	+.005 / -.000	17.50
PSP-349A	4.875	+.004 / -.000	4.875	4.500	0.260	4.875	+.004 / -.000	4.505	+.000 / -.004	0.281	+.005 / -.000	18.00
PSP-350A	5.000	+.004 / -.000	5.000	4.625	0.260	5.000	+.004 / -.000	4.630	+.000 / -.004	0.281	+.005 / -.000	16.30
PSP-426A	5.125	+.004 / -.000	5.125	4.625	0.355	5.125	+.004 / -.000	4.653	+.000 / -.004	0.375	+.005 / -.000	20.40
PSP-427A	5.250	+.004 / -.000	5.250	4.750	0.355	5.250	+.004 / -.000	4.778	+.000 / -.004	0.375	+.005 / -.000	O/R
PSP-428A	5.375	+.004 / -.000	5.375	4.875	0.355	5.375	+.004 / -.000	4.903	+.000 / -.004	0.375	+.005 / -.000	23.00
PSP-429A	5.500	+.004 / -.000	5.500	5.000	0.355	5.500	+.004 / -.000	5.028	+.000 / -.004	0.375	+.005 / -.000	22.40
PSP-430A	5.625	+.004 / -.000	5.625	5.125	0.355	5.625	+.004 / -.000	5.153	+.000 / -.004	0.375	+.005 / -.000	24.80
PSP-431A	5.750	+.004 / -.000	5.750	5.250	0.355	5.750	+.004 / -.000	5.278	+.000 / -.004	0.375	+.005 / -.000	25.80

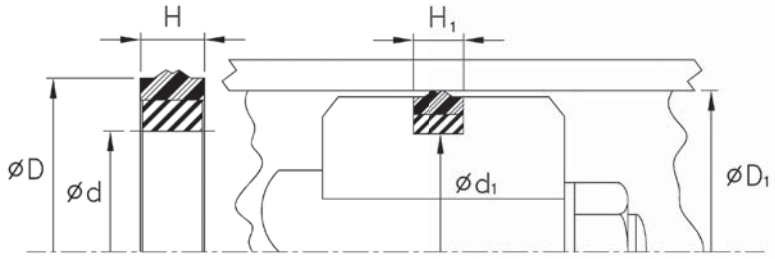
PSP-A SERIES - AU/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
PSP-432A	5.875	+.004 / -.000	5.875	5.375	0.355	5.875	+.004 / -.000	5.403	+.000 / -.004	0.375	+.005 / -.000	26.70
PSP-433A	6.000	+.004 / -.000	6.000	5.500	0.355	6.000	+.004 / -.000	5.528	+.000 / -.004	0.375	+.005 / -.000	24.45
PSP-434A	6.125	+.004 / -.000	6.125	5.625	0.355	6.125	+.004 / -.000	5.653	+.000 / -.004	0.375	+.005 / -.000	28.45
PSP-435A	6.250	+.004 / -.000	6.250	5.750	0.355	6.250	+.004 / -.000	5.778	+.000 / -.004	0.375	+.005 / -.000	29.15
PSP-437A	6.500	+.004 / -.000	6.500	6.000	0.355	6.500	+.004 / -.000	6.028	+.000 / -.004	0.375	+.005 / -.000	30.10
PSP-438A	6.750	+.005 / -.000	6.750	6.250	0.355	6.750	+.005 / -.000	6.278	+.000 / -.004	0.375	+.005 / -.000	31.60
PSP-439A	7.000	+.005 / -.000	7.000	6.500	0.355	7.000	+.005 / -.000	6.528	+.000 / -.004	0.375	+.005 / -.000	32.55

PSP-AT - Piston Seal

Polyurethane/Nitrile





Temperature: -65/220F [-54/104C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
PSP-218AT	1.500	+.003 / -.000	1.500	1.250	0.255	1.500	+.003 / -.000	1.258	+.000 / -.002	0.275	+.005 / -.000	9.80
PSP-326AT	2.000	+.003 / -.000	2.000	1.625	0.375	2.000	+.003 / -.000	1.630	+.000 / -.002	0.410	+.005 / -.000	12.30
PSP-330AT	2.500	+.003 / -.000	2.500	2.125	0.375	2.500	+.003 / -.000	2.130	+.000 / -.004	0.410	+.005 / -.000	15.20
PSP-334AT	3.000	+.004 / -.000	3.000	2.625	0.375	3.000	+.004 / -.000	2.630	+.000 / -.004	0.410	+.005 / -.000	19.75
PSP-338AT	3.500	+.004 / -.000	3.500	3.125	0.375	3.500	+.004 / -.000	3.130	+.000 / -.004	0.410	+.005 / -.000	20.60
PSP-342AT	4.000	+.004 / -.000	4.000	3.625	0.375	4.000	+.004 / -.000	3.630	+.000 / -.004	0.410	+.005 / -.000	27.25
PSP-346AT	4.500	+.004 / -.000	4.500	4.125	0.375	4.500	+.004 / -.000	4.130	+.000 / -.004	0.410	+.005 / -.000	31.45
PSP-425AT	5.000	+.004 / -.000	5.000	4.500	0.515	5.000	+.004 / -.000	4.528	+.000 / -.004	0.538	+.005 / -.000	55.80
PSP-433AT	6.000	+.004 / -.000	6.000	5.500	0.515	6.000	+.004 / -.000	5.528	+.000 / -.004	0.538	+.005 / -.000	63.50
PSP-439AT	7.000	+.005 / -.000	7.000	6.500	0.515	7.000	+.005 / -.000	6.528	+.000 / -.004	0.538	+.005 / -.000	67.75

Packing Division

BP Profile Piston Seal

Technical Bulletin

BP Profile Double Acting Piston Seal for Medium to Heavy-duty Hydraulic Cylinders (up to 7000 psi)

No. 5212B1-USA

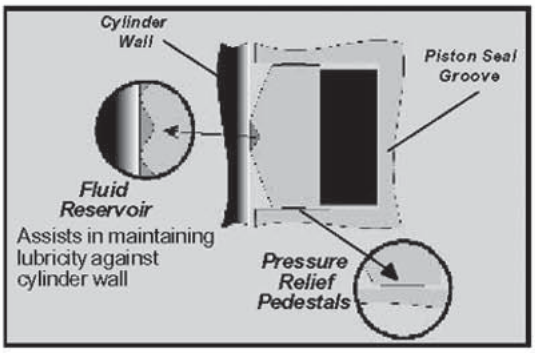


BP Profile Delivers Superior Performance

Parker's BP piston seal is another example of sealing excellence developed by Parker Hannifin. Parker developed the Bi-directional Piston (BP) seal utilizing its diverse resources including Finite Element Analysis engineering, state of the science materials development and a functional on-site test laboratory. Parker's BP seal offers superior performance in safety critical medium- to heavy-duty fluid power cylinders.

Benefits of using Parker's BP Seal

- Low break-away and running friction
- Easy snap in installation
- High extrusion resistance at medium to high pressures (to 7000 psi)
- Features RESILON™ ER for expanded temperature range over urethane materials
- Wear resistant
- Will not roll in groove, resists spiral failure
- Longer life, resulting in less down time for your customer



Ease of Installation

The BP design allows easy snap-in installation and is ideal for installation on one-piece pistons or is available in Parker's ***Integrated Piston™*** Assembly product line (See Catalog PPD-5220). With its high rebound characteristics, the BP seal installs with greater ease than a solid PTFE piston ring, and requires no resizing.

Engineered Sealing Material RESILON™ ER (4304)

RESILON™ ER (4304) is a member of Parker's PPDI-based RESILON™ family of materials. A 60 Shore D polyurethane, RESILON™ ER performs with improved extrusion resistance over a broader range of pressures and temperatures than other MDI and TODI polyurethanes. Combining the higher durometer feature of this material with the premiere physical properties of the RESILON™ family, and the FEA profile design creates an ideal polyurethane seal. Improved properties include higher service temperature, greater strength and abrasion resistance, excellent compression set and a rebound unmatched by any other 60 Shore D polyurethane material on the market.

Fluid and Temperature Range

RESILON™ ER has a continuous service temperature range of -40°F to +275°F and offers excellent fluid compatibility with most petroleum based fluids, acetic and alkaline solutions under 10% concentration, salts, aliphatic alcohols, hydrocarbon and mixtures containing less than 80% aromatics, oxygen and ozone. RESILON™ ER is not recommended for use in steam, automotive brake fluids, esters or ketones.

RESILON™ ER Typical Physical Properties

Physical Property	Values
Hardness	60
Tensile Strength (psi)	5500
100% Modulus (psi)	2700
300% Modulus (psi)	3500
Elongation (%)	500
Rebound (%)	45
Specific Gravity	1.15
Compression Set (%) 70 hrs @ 158°F	40

Data is to be used as a guide only. Actual test values may be different.

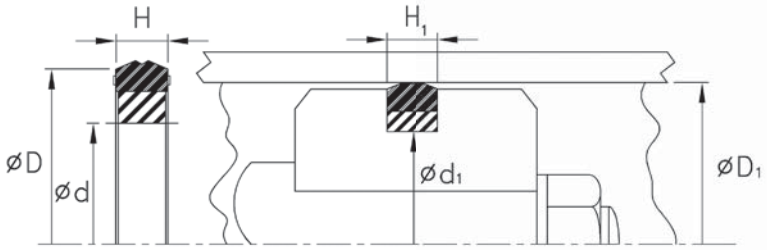
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Parker Seals

BP - Piston Seal

Polyurethane/Nitrile





Temperature: -40/275F [-40/135C] **Pressure: 7000 PSI [482 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions			Housing Dimensions						$
	Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
BP203A/4304	0.562 +.003 / -.000	0.562	0.312	0.165	0.562	+.003 / -.000	0.320	+.000 / -.002	0.187	+.005 / -.000	O/R
BP204A/4304	0.625 +.003 / -.000	0.625	0.375	0.165	0.625	+.003 / -.000	0.383	+.000 / -.002	0.187	+.005 / -.000	O/R
BP205A/4304	0.687 +.003 / -.000	0.687	0.437	0.165	0.687	+.003 / -.000	0.445	+.000 / -.002	0.187	+.005 / -.000	O/R
BP206A/4304	0.750 +.003 / -.000	0.750	0.500	0.165	0.750	+.003 / -.000	0.508	+.000 / -.002	0.187	+.005 / -.000	O/R
BP207A/4304	0.812 +.003 / -.000	0.812	0.562	0.165	0.812	+.003 / -.000	0.570	+.000 / -.002	0.187	+.005 / -.000	O/R
BP208A/4304	0.875 +.003 / -.000	0.875	0.625	0.165	0.875	+.003 / -.000	0.633	+.000 / -.002	0.187	+.005 / -.000	O/R
BP209A/4304	0.937 +.003 / -.000	0.937	0.687	0.165	0.937	+.003 / -.000	0.695	+.000 / -.002	0.187	+.005 / -.000	O/R
BP210A/4304	1.000 +.003 / -.000	1.000	0.750	0.165	1.000	+.003 / -.000	0.758	+.000 / -.002	0.187	+.005 / -.000	O/R
BP211A/4304	1.062 +.003 / -.000	1.062	0.812	0.165	1.062	+.003 / -.000	0.820	+.000 / -.002	0.187	+.005 / -.000	O/R
BP212A/4304	1.125 +.003 / -.000	1.125	0.875	0.165	1.125	+.003 / -.000	0.883	+.000 / -.002	0.187	+.005 / -.000	O/R
BP213A/4304	1.187 +.003 / -.000	1.187	0.937	0.165	1.187	+.003 / -.000	0.945	+.000 / -.002	0.187	+.005 / -.000	O/R
BP214A/4304	1.250 +.003 / -.000	1.250	1.000	0.165	1.250	+.003 / -.000	1.008	+.000 / -.002	0.187	+.005 / -.000	O/R
BP215A/4304	1.312 +.003 / -.000	1.312	1.062	0.165	1.312	+.003 / -.000	1.070	+.000 / -.002	0.187	+.005 / -.000	O/R
BP216A/4304	1.375 +.003 / -.000	1.375	1.125	0.165	1.375	+.003 / -.000	1.133	+.000 / -.002	0.187	+.005 / -.000	O/R
BP217A/4304	1.437 +.003 / -.000	1.437	1.187	0.165	1.437	+.003 / -.000	1.195	+.000 / -.002	0.187	+.005 / -.000	O/R
BP218A/4304	1.500 +.003 / -.000	1.500	1.250	0.165	1.500	+.003 / -.000	1.258	+.000 / -.002	0.187	+.005 / -.000	9.90
BP219A/4304	1.562 +.003 / -.000	1.562	1.312	0.165	1.562	+.003 / -.000	1.320	+.000 / -.002	0.187	+.005 / -.000	O/R
BP220A/4304	1.625 +.003 / -.000	1.625	1.375	0.165	1.625	+.003 / -.000	1.383	+.000 / -.002	0.187	+.005 / -.000	O/R
BP221A/4304	1.687 +.003 / -.000	1.687	1.437	0.165	1.687	+.003 / -.000	1.445	+.000 / -.002	0.187	+.005 / -.000	O/R
BP222A/4304	1.750 +.003 / -.000	1.750	1.500	0.165	1.750	+.003 / -.000	1.508	+.000 / -.002	0.187	+.005 / -.000	10.00
BP325A/4304	1.875 +.003 / -.000	1.875	1.500	0.265	1.875	+.003 / -.000	1.505	+.000 / -.002	0.281	+.005 / -.000	O/R
BP326A/4304	2.000 +.003 / -.000	2.000	1.625	0.265	2.000	+.003 / -.000	1.630	+.000 / -.002	0.281	+.005 / -.000	11.60
BP327A/4304	2.125 +.003 / -.000	2.125	1.750	0.265	2.125	+.003 / -.000	1.755	+.000 / -.002	0.281	+.005 / -.000	O/R
BP328A/4304	2.250 +.003 / -.000	2.250	1.875	0.265	2.250	+.003 / -.000	1.880	+.000 / -.002	0.281	+.005 / -.000	13.50
BP329A/4304	2.375 +.003 / -.000	2.375	2.000	0.265	2.375	+.003 / -.000	2.005	+.000 / -.002	0.281	+.005 / -.000	O/R
BP330A/4304	2.500 +.003 / -.000	2.500	2.125	0.265	2.500	+.003 / -.000	2.130	+.000 / -.002	0.281	+.005 / -.000	15.20
BP331A/4304	2.625 +.003 / -.000	2.625	2.250	0.265	2.625	+.003 / -.000	2.255	+.000 / -.002	0.281	+.005 / -.000	15.85
BP332A/4304	2.750 +.003 / -.000	2.750	2.375	0.265	2.750	+.003 / -.000	2.380	+.000 / -.002	0.281	+.005 / -.000	16.45
BP333A/4304	2.875 +.003 / -.000	2.875	2.500	0.265	2.875	+.003 / -.000	2.505	+.000 / -.002	0.281	+.005 / -.000	O/R
BP334A/4304	3.000 +.004 / -.000	3.000	2.625	0.265	3.000	+.004 / -.000	2.630	+.000 / -.002	0.281	+.005 / -.000	18.15
BP335A/4304	3.125 +.004 / -.000	3.125	2.750	0.265	3.125	+.004 / -.000	2.755	+.000 / -.002	0.281	+.005 / -.000	O/R
BP336A/4304	3.250 +.004 / -.000	3.250	2.875	0.265	3.250	+.004 / -.000	2.880	+.000 / -.002	0.281	+.005 / -.000	20.15
BP337A/4304	3.375 +.004 / -.000	3.375	3.000	0.265	3.375	+.004 / -.000	3.005	+.000 / -.002	0.281	+.005 / -.000	O/R
BP338A/4304	3.500 +.004 / -.000	3.500	3.125	0.265	3.500	+.004 / -.000	3.130	+.000 / -.002	0.281	+.005 / -.000	21.70
BP339A/4304	3.625 +.004 / -.000	3.625	3.250	0.265	3.625	+.004 / -.000	3.255	+.000 / -.002	0.281	+.005 / -.000	O/R
BP340A/4304	3.750 +.004 / -.000	3.750	3.375	0.265	3.750	+.004 / -.000	3.380	+.000 / -.002	0.281	+.005 / -.000	24.80
BP341A/4304	3.875 +.004 / -.000	3.875	3.500	0.265	3.875	+.004 / -.000	3.505	+.000 / -.002	0.281	+.005 / -.000	24.90
BP342A/4304	4.000 +.004 / -.000	4.000	3.625	0.265	4.000	+.004 / -.000	3.630	+.000 / -.002	0.281	+.005 / -.000	26.05

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BP SERIES - AU/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
BP343A/4304	4.125	+.004 / -.000	4.125	3.750	0.265	4.125	+.004 / -.000	3.755	+.000 / -.002	0.281	+.005 / -.000	O/R
BP344A/4304	4.250	+.004 / -.000	4.250	3.875	0.265	4.250	+.004 / -.000	3.880	+.000 / -.002	0.281	+.005 / -.000	27.25
BP345A/4304	4.375	+.004 / -.000	4.375	4.000	0.265	4.375	+.004 / -.000	4.005	+.000 / -.002	0.281	+.005 / -.000	O/R
BP346A/4304	4.500	+.004 / -.000	4.500	4.125	0.265	4.500	+.004 / -.000	4.130	+.000 / -.002	0.281	+.005 / -.000	28.90
BP347A/4304	4.625	+.004 / -.000	4.625	4.250	0.265	4.625	+.004 / -.000	4.255	+.000 / -.002	0.281	+.005 / -.000	O/R
BP348A/4304	4.750	+.004 / -.000	4.750	4.375	0.265	4.750	+.004 / -.000	4.380	+.000 / -.002	0.281	+.005 / -.000	O/R
BP349A/4304	4.875	+.004 / -.000	4.875	4.500	0.265	4.875	+.004 / -.000	4.505	+.000 / -.002	0.281	+.005 / -.000	O/R
BP350A/4304	5.000	+.004 / -.000	5.000	4.625	0.265	5.000	+.004 / -.000	4.630	+.000 / -.002	0.281	+.005 / -.000	33.60
BP426A/4304	5.125	+.004 / -.000	5.125	4.625	0.355	5.125	+.004 / -.000	4.653	+.000 / -.002	0.375	+.005 / -.000	O/R
BP427A/4304	5.250	+.004 / -.000	5.250	4.750	0.355	5.250	+.004 / -.000	4.778	+.000 / -.002	0.375	+.005 / -.000	O/R
BP428A/4304	5.375	+.004 / -.000	5.375	4.875	0.355	5.375	+.004 / -.000	4.903	+.000 / -.002	0.375	+.005 / -.000	O/R
BP429A/4304	5.500	+.004 / -.000	5.500	5.000	0.355	5.500	+.004 / -.000	5.028	+.000 / -.002	0.375	+.005 / -.000	34.35
BP430A/4304	5.625	+.004 / -.000	5.625	5.125	0.355	5.625	+.004 / -.000	5.153	+.000 / -.002	0.375	+.005 / -.000	O/R
BP431A/4304	5.750	+.004 / -.000	5.750	5.250	0.355	5.750	+.004 / -.000	5.278	+.000 / -.002	0.375	+.005 / -.000	O/R
BP432A/4304	5.875	+.004 / -.000	5.875	5.375	0.355	5.875	+.004 / -.000	5.403	+.000 / -.002	0.375	+.005 / -.000	O/R
BP433A/4304	6.000	+.004 / -.000	6.000	5.500	0.355	6.000	+.004 / -.000	5.528	+.000 / -.002	0.375	+.005 / -.000	O/R
BP434A/4304	6.125	+.004 / -.000	6.125	5.625	0.355	6.125	+.004 / -.000	5.653	+.000 / -.002	0.375	+.005 / -.000	O/R
BP435A/4304	6.250	+.004 / -.000	6.250	5.750	0.355	6.250	+.004 / -.000	5.778	+.000 / -.002	0.375	+.005 / -.000	O/R
BP437A/4304	6.500	+.004 / -.000	6.500	6.000	0.355	6.500	+.004 / -.000	6.028	+.000 / -.002	0.375	+.005 / -.000	O/R
BP438A/4304	6.750	+.005 / -.000	6.750	6.250	0.355	6.750	+.005 / -.000	6.278	+.000 / -.002	0.375	+.005 / -.000	O/R
BP439A/4304	7.000	+.005 / -.000	7.000	6.500	0.355	7.000	+.005 / -.000	6.528	+.000 / -.002	0.375	+.005 / -.000	O/R

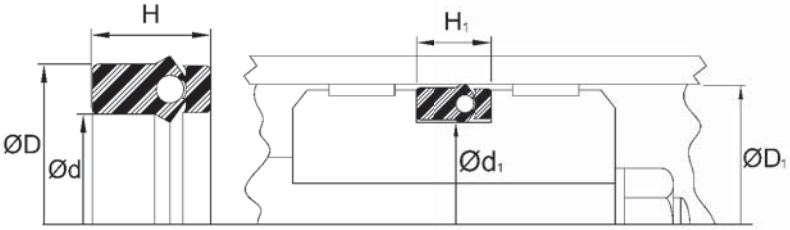
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



PIP Seal

Molythane/Nitrile





Temperature: -65/200F [-54/93C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
12500437P250B/4615	0.687	+.003 / -.000	0.687	0.437		0.687	+.003 / -.000	0.437	+.000 / -.002	0.340	+.015 / -.000	7.25
12500500P250B/4615	0.750	+.003 / -.000	0.750	0.500		0.750	+.003 / -.000	0.500	+.000 / -.002	0.340	+.015 / -.000	7.35
18700625P312B/4615	1.000	+.003 / -.000	1.000	0.625		1.000	+.003 / -.000	0.625	+.000 / -.002	0.453	+.015 / -.000	7.80
12500750P250B/4615	1.000	+.003 / -.000	1.000	0.750		1.000	+.003 / -.000	0.750	+.000 / -.002	0.340	+.015 / -.000	7.90
18700750P312B/4615	1.125	+.003 / -.000	1.125	0.750		1.125	+.003 / -.000	0.750	+.000 / -.002	0.453	+.015 / -.000	8.35
18700812P312B/4615	1.187	+.003 / -.000	1.187	0.812		1.187	+.003 / -.000	0.812	+.000 / -.002	0.453	+.015 / -.000	8.60
12500937P250B/4615	1.187	+.003 / -.000	1.187	0.937		1.187	+.003 / -.000	0.937	+.000 / -.002	0.340	+.015 / -.000	8.40
18700875P312B/4615	1.250	+.003 / -.000	1.250	0.875		1.250	+.003 / -.000	0.875	+.000 / -.002	0.453	+.015 / -.000	8.75
12501000P250B/4615	1.250	+.003 / -.000	1.250	1.000		1.250	+.003 / -.000	1.000	+.000 / -.002	0.340	+.015 / -.000	8.60
18700937P312B/4615	1.312	+.003 / -.000	1.312	0.937		1.312	+.003 / -.000	0.937	+.000 / -.002	0.453	+.015 / -.000	9.05
12501062P250B/4615	1.312	+.003 / -.000	1.312	1.062		1.312	+.003 / -.000	1.062	+.000 / -.002	0.340	+.015 / -.000	8.80
18701000P312B/4615	1.375	+.003 / -.000	1.375	1.000		1.375	+.003 / -.000	1.000	+.000 / -.002	0.453	+.015 / -.000	9.20
12501125P250B/4615	1.375	+.003 / -.000	1.375	1.125		1.375	+.003 / -.000	1.125	+.000 / -.002	0.340	+.015 / -.000	8.95
18701062P312B/4615	1.437	+.003 / -.000	1.437	1.062		1.437	+.003 / -.000	1.062	+.000 / -.002	0.453	+.015 / -.000	9.45
12501187P250B/4615	1.437	+.003 / -.000	1.437	1.187		1.437	+.003 / -.000	1.187	+.000 / -.002	0.340	+.015 / -.000	9.05
25001000P375B/4615	1.500	+.003 / -.000	1.500	1.000		1.500	+.003 / -.000	1.000	+.000 / -.003	0.550	+.015 / -.000	10.05
18701125P312B/4615	1.500	+.003 / -.000	1.500	1.125		1.500	+.003 / -.000	1.125	+.000 / -.002	0.453	+.015 / -.000	9.55
12501250P250B/4615	1.500	+.003 / -.000	1.500	1.250		1.500	+.003 / -.000	1.250	+.000 / -.002	0.340	+.015 / -.000	9.25
18701187P312B/4615	1.562	+.003 / -.000	1.562	1.187		1.562	+.003 / -.000	1.187	+.000 / -.002	0.453	+.015 / -.000	9.80
18701250P312B/4615	1.625	+.003 / -.000	1.625	1.250		1.625	+.003 / -.000	1.250	+.000 / -.002	0.453	+.015 / -.000	9.90
12501375P250B/4615	1.625	+.003 / -.000	1.625	1.375		1.625	+.003 / -.000	1.375	+.000 / -.002	0.340	+.015 / -.000	9.70
12501437P250B/4615	1.687	+.003 / -.000	1.687	1.437		1.687	+.003 / -.000	1.437	+.000 / -.002	0.340	+.015 / -.000	9.85
25001250P375B/4615	1.750	+.003 / -.000	1.750	1.250		1.750	+.003 / -.000	1.250	+.000 / -.003	0.550	+.015 / -.000	10.40
18701375P312B/4615	1.750	+.003 / -.000	1.750	1.375		1.750	+.003 / -.000	1.375	+.000 / -.002	0.453	+.015 / -.000	10.35
12501500P250B/4615	1.750	+.003 / -.000	1.750	1.500		1.750	+.003 / -.000	1.500	+.000 / -.002	0.340	+.015 / -.000	10.00
18701437P312B/4615	1.812	+.003 / -.000	1.812	1.437		1.812	+.003 / -.000	1.437	+.000 / -.002	0.453	+.015 / -.000	10.65
25001375P375B/4615	1.875	+.003 / -.000	1.875	1.375		1.875	+.003 / -.000	1.375	+.000 / -.003	0.550	+.015 / -.000	11.45
18701500P375B/4615	1.875	+.003 / -.000	1.875	1.500		1.875	+.003 / -.000	1.500	+.000 / -.002	0.522	+.015 / -.000	10.70
25001500P375B/4615	2.000	+.003 / -.000	2.000	1.500		2.000	+.003 / -.000	1.500	+.000 / -.003	0.550	+.015 / -.000	12.15
18701625P312B/4615	2.000	+.003 / -.000	2.000	1.625		2.000	+.003 / -.000	1.625	+.000 / -.002	0.453	+.015 / -.000	11.20
18701625P375B/4615	2.000	+.003 / -.000	2.000	1.625		2.000	+.003 / -.000	1.625	+.000 / -.002	0.550	+.015 / -.000	11.20
25001625P375B/4615	2.125	+.003 / -.000	2.125	1.625		2.125	+.003 / -.000	1.625	+.000 / -.003	0.550	+.015 / -.000	12.90
18701750P375B/4615	2.125	+.003 / -.000	2.125	1.750		2.125	+.003 / -.000	1.750	+.000 / -.002	0.550	+.015 / -.000	11.80
31201625P500B/4615	2.250	+.003 / -.000	2.250	1.625		2.250	+.003 / -.000	1.625	+.000 / -.004	0.715	+.015 / -.000	15.55
25001750P375B/4615	2.250	+.003 / -.000	2.250	1.750		2.250	+.003 / -.000	1.750	+.000 / -.003	0.550	+.015 / -.000	13.45
18701875P375B/4615	2.250	+.003 / -.000	2.250	1.875		2.250	+.003 / -.000	1.875	+.000 / -.002	0.550	+.015 / -.000	12.45
31201687P500B/4615	2.312	+.003 / -.000	2.312	1.687		2.312	+.003 / -.000	1.687	+.000 / -.004	0.715	+.015 / -.000	15.80
31201750P500B/4615	2.375	+.003 / -.000	2.375	1.750		2.375	+.003 / -.000	1.750	+.000 / -.004	0.715	+.015 / -.000	16.15

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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
25001875P375B/4615	2.375	+.003 / -.000	2.375	1.875		2.375	+.003 / -.000	1.875	+.000 / -.003	0.550	+.015 / -.000	13.85
18702000P375B/4615	2.375	+.003 / -.000	2.375	2.000		2.375	+.003 / -.000	2.000	+.000 / -.002	0.550	+.015 / -.000	12.95
25001937P375B/4615	2.437	+.003 / -.000	2.437	1.937		2.437	+.003 / -.000	1.937	+.000 / -.003	0.550	+.015 / -.000	14.35
31201875P500B/4615	2.500	+.003 / -.000	2.500	1.875		2.500	+.003 / -.000	1.875	+.000 / -.004	0.715	+.015 / -.000	16.75
25002000P375B/4615	2.500	+.003 / -.000	2.500	2.000		2.500	+.003 / -.000	2.000	+.000 / -.003	0.550	+.015 / -.000	14.70
18702125P375B/4615	2.500	+.003 / -.000	2.500	2.125		2.500	+.003 / -.000	2.125	+.000 / -.002	0.550	+.015 / -.000	14.00
31202000P500B/4615	2.625	+.003 / -.000	2.625	2.000		2.625	+.003 / -.000	2.000	+.000 / -.004	0.715	+.015 / -.000	18.35
25002125P375B/4615	2.625	+.003 / -.000	2.625	2.125		2.625	+.003 / -.000	2.125	+.000 / -.003	0.550	+.015 / -.000	15.75
18702250P375B/4615	2.625	+.003 / -.000	2.625	2.250		2.625	+.003 / -.000	2.250	+.000 / -.002	0.550	+.015 / -.000	14.35
37502000P625B/4615	2.750	+.003 / -.000	2.750	2.000		2.750	+.003 / -.000	2.000	+.000 / -.005	0.895	+.015 / -.000	24.00
25002250P375B/4615	2.750	+.003 / -.000	2.750	2.250		2.750	+.003 / -.000	2.250	+.000 / -.003	0.550	+.015 / -.000	16.40
18702375P375B/4615	2.750	+.003 / -.000	2.750	2.375		2.750	+.003 / -.000	2.375	+.000 / -.002	0.550	+.015 / -.000	14.75
31202250P500B/4615	2.875	+.003 / -.000	2.875	2.250		2.875	+.003 / -.000	2.250	+.000 / -.004	0.715	+.015 / -.000	19.70
25002375P375B/4615	2.875	+.003 / -.000	2.875	2.375		2.875	+.003 / -.000	2.375	+.000 / -.003	0.550	+.015 / -.000	17.40
18702500P375B/4615	2.875	+.003 / -.000	2.875	2.500		2.875	+.003 / -.000	2.500	+.000 / -.002	0.550	+.015 / -.000	15.30
37502250P625B/4615	3.000	+.004 / -.000	3.000	2.250		3.000	+.004 / -.000	2.250	+.000 / -.005	0.895	+.015 / -.000	26.65
31202375P500B/4615	3.000	+.004 / -.000	3.000	2.375		3.000	+.004 / -.000	2.375	+.000 / -.004	0.715	+.015 / -.000	20.25
25002500P375B/4615	3.000	+.004 / -.000	3.000	2.500		3.000	+.004 / -.000	2.500	+.000 / -.003	0.550	+.015 / -.000	17.15
18702625P375B/4615	3.000	+.004 / -.000	3.000	2.625		3.000	+.004 / -.000	2.625	+.000 / -.002	0.550	+.015 / -.000	16.95
25002625P375B/4615	3.125	+.004 / -.000	3.125	2.625		3.125	+.004 / -.000	2.625	+.000 / -.003	0.550	+.015 / -.000	19.00
18702750P375B/4615	3.125	+.004 / -.000	3.125	2.750		3.125	+.004 / -.000	2.750	+.000 / -.002	0.550	+.015 / -.000	16.60
37502500P625B/4615	3.250	+.004 / -.000	3.250	2.500		3.250	+.004 / -.000	2.500	+.000 / -.005	0.895	+.015 / -.000	29.10
31202625P500B/4615	3.250	+.004 / -.000	3.250	2.625		3.250	+.004 / -.000	2.625	+.000 / -.004	0.715	+.015 / -.000	22.35
25002750P375B/4615	3.250	+.004 / -.000	3.250	2.750		3.250	+.004 / -.000	2.750	+.000 / -.003	0.550	+.015 / -.000	19.70
18702875P375B/4615	3.250	+.004 / -.000	3.250	2.875		3.250	+.004 / -.000	2.875	+.000 / -.002	0.550	+.015 / -.000	17.25
37502625P625B/4615	3.375	+.004 / -.000	3.375	2.625		3.375	+.004 / -.000	2.625	+.000 / -.005	0.895	+.015 / -.000	30.95
31202750P500B/4615	3.375	+.004 / -.000	3.375	2.750		3.375	+.004 / -.000	2.750	+.000 / -.004	0.715	+.015 / -.000	23.20
25002875P375B/4615	3.375	+.004 / -.000	3.375	2.875		3.375	+.004 / -.000	2.875	+.000 / -.003	0.550	+.015 / -.000	20.40
18703000P375B/4615	3.375	+.004 / -.000	3.375	3.000		3.375	+.004 / -.000	3.000	+.000 / -.002	0.550	+.015 / -.000	17.70
37502750P625B/4615	3.500	+.004 / -.000	3.500	2.750		3.500	+.004 / -.000	2.750	+.000 / -.005	0.895	+.015 / -.000	31.80
31202875P500B/4615	3.500	+.004 / -.000	3.500	2.875		3.500	+.004 / -.000	2.875	+.000 / -.004	0.715	+.015 / -.000	23.75
25003000P375B/4615	3.500	+.004 / -.000	3.500	3.000		3.500	+.004 / -.000	3.000	+.000 / -.003	0.550	+.015 / -.000	21.20
18703125P375B/4615	3.500	+.004 / -.000	3.500	3.125		3.500	+.004 / -.000	3.125	+.000 / -.002	0.550	+.015 / -.000	18.85
18703250P375B/4615	3.625	+.004 / -.000	3.625	3.250		3.625	+.004 / -.000	3.250	+.000 / -.002	0.550	+.015 / -.000	19.80
37503000P625B/4615	3.750	+.004 / -.000	3.750	3.000		3.750	+.004 / -.000	3.000	+.000 / -.005	0.895	+.015 / -.000	35.15
25003250P375B/4615	3.750	+.004 / -.000	3.750	3.250		3.750	+.004 / -.000	3.250	+.000 / -.003	0.550	+.015 / -.000	22.70
18703375P375B/4615	3.750	+.004 / -.000	3.750	3.375		3.750	+.004 / -.000	3.375	+.000 / -.002	0.550	+.015 / -.000	20.90
37503125P625B/4615	3.875	+.004 / -.000	3.875	3.125		3.875	+.004 / -.000	3.125	+.000 / -.005	0.895	+.015 / -.000	36.10
31203250P500B/4615	3.875	+.004 / -.000	3.875	3.250		3.875	+.004 / -.000	3.250	+.000 / -.004	0.715	+.015 / -.000	26.90
25003375P375B/4615	3.875	+.004 / -.000	3.875	3.375		3.875	+.004 / -.000	3.375	+.000 / -.003	0.550	+.015 / -.000	23.70
18703500P375B/4615	3.875	+.004 / -.000	3.875	3.500		3.875	+.004 / -.000	3.500	+.000 / -.002	0.550	+.015 / -.000	22.20
37503250P625B/4615	4.000	+.004 / -.000	4.000	3.250		4.000	+.004 / -.000	3.250	+.000 / -.005	0.895	+.015 / -.000	36.80
31203375P500B/4615	4.000	+.004 / -.000	4.000	3.375		4.000	+.004 / -.000	3.375	+.000 / -.004	0.715	+.015 / -.000	27.55
25003500P375B/4615	4.000	+.004 / -.000	4.000	3.500		4.000	+.004 / -.000	3.500	+.000 / -.003	0.550	+.015 / -.000	24.40
18703625P375B/4615	4.000	+.004 / -.000	4.000	3.625		4.000	+.004 / -.000	3.625	+.000 / -.002	0.550	+.015 / -.000	23.15
37503375P625B/4615	4.125	+.004 / -.000	4.125	3.375		4.125	+.004 / -.000	3.375	+.000 / -.005	0.895	+.015 / -.000	38.15
25003625P375B/4615	4.125	+.004 / -.000	4.125	3.625		4.125	+.004 / -.000	3.625	+.000 / -.003	0.550	+.015 / -.000	25.25
50003250P750B/4615	4.250	+.004 / -.000	4.250	3.250		4.250	+.004 / -.000	3.250	+.000 / -.007	1.100	+.015 / -.000	51.35

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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
37503500P625B/4615	4.250	+.004 / -.000	4.250	3.500		4.250	+.004 / -.000	3.500	+.000 / -.005	0.895	+.015 / -.000	39.40
25003750P375B/4615	4.250	+.004 / -.000	4.250	3.750		4.250	+.004 / -.000	3.750	+.000 / -.003	0.550	+.015 / -.000	25.90
25003750P562B/4615	4.250	+.004 / -.000	4.250	3.750		4.250	+.004 / -.000	3.750	+.000 / -.003	0.756	+.015 / -.000	25.90
37503625P625B/4615	4.375	+.004 / -.000	4.375	3.625		4.375	+.004 / -.000	3.625	+.000 / -.005	0.895	+.015 / -.000	40.90
50003500P750B/4615	4.500	+.004 / -.000	4.500	3.500		4.500	+.004 / -.000	3.500	+.000 / -.007	1.100	+.015 / -.000	54.35
37503750P625B/4615	4.500	+.004 / -.000	4.500	3.750		4.500	+.004 / -.000	3.750	+.000 / -.005	0.895	+.015 / -.000	41.90
25004000P375B/4615	4.500	+.004 / -.000	4.500	4.000		4.500	+.004 / -.000	4.000	+.000 / -.003	0.550	+.015 / -.000	27.45
25004125P562B/4615	4.625	+.004 / -.000	4.625	4.125		4.625	+.004 / -.000	4.125	+.000 / -.003	0.756	+.015 / -.000	29.10
37504000P625B/4615	4.750	+.004 / -.000	4.750	4.000		4.750	+.004 / -.000	4.000	+.000 / -.005	0.895	+.015 / -.000	45.10
31204125P562B/4615	4.750	+.004 / -.000	4.750	4.125		4.750	+.004 / -.000	4.125	+.000 / -.004	0.756	+.015 / -.000	33.80
25004250P375B/4615	4.750	+.004 / -.000	4.750	4.250		4.750	+.004 / -.000	4.250	+.000 / -.003	0.550	+.015 / -.000	30.05
25004250P562B/4615	4.750	+.004 / -.000	4.750	4.250		4.250	+.004 / -.000	4.750	+.000 / -.003	0.756	+.015 / -.000	30.05
50003875P750B/4615	4.875	+.004 / -.000	4.875	3.875		4.875	+.004 / -.000	3.875	+.000 / -.007	1.100	+.015 / -.000	59.25
37504125P625B/4615	4.875	+.004 / -.000	4.875	4.125		4.875	+.004 / -.000	4.125	+.000 / -.005	0.895	+.015 / -.000	45.80
31204250P562B/4615	4.875	+.004 / -.000	4.875	4.250		4.875	+.004 / -.000	4.250	+.000 / -.004	0.756	+.015 / -.000	34.85
25004437P375B/4615	4.937	+.004 / -.000	4.937	4.437		4.937	+.004 / -.000	4.437	+.000 / -.003	0.550	+.015 / -.000	31.70
50004000P750B/4615	5.000	+.004 / -.000	5.000	4.000		5.000	+.004 / -.000	4.000	+.000 / -.007	1.100	+.015 / -.000	60.45
37504250P625B/4615	5.000	+.004 / -.000	5.000	4.250		5.000	+.004 / -.000	4.250	+.000 / -.005	0.895	+.015 / -.000	46.60
31204375P562B/4615	5.000	+.004 / -.000	5.000	4.375		5.000	+.004 / -.000	4.375	+.000 / -.004	0.756	+.015 / -.000	35.50
25004500P375B/4615	5.000	+.004 / -.000	5.000	4.500		5.000	+.004 / -.000	4.500	+.000 / -.003	0.550	+.015 / -.000	32.20
25004500P562B/4615	5.000	+.004 / -.000	5.000	4.500		5.000	+.004 / -.000	4.500	+.000 / -.003	0.756	+.015 / -.000	32.20
31204500P625B/4615	5.125	+.004 / -.000	5.125	4.500		5.125	+.004 / -.000	4.500	+.000 / -.004	0.895	+.015 / -.000	36.40
37504500P625B/4615	5.250	+.004 / -.000	5.250	4.500		5.250	+.004 / -.000	4.500	+.000 / -.005	0.895	+.015 / -.000	49.65
25004750P375B/4615	5.250	+.004 / -.000	5.250	4.750		5.250	+.004 / -.000	4.750	+.000 / -.003	0.550	+.015 / -.000	34.20
25004750P562B/4615	5.250	+.004 / -.000	5.250	4.750		5.250	+.004 / -.000	4.750	+.000 / -.003	0.756	+.015 / -.000	34.20
37504625P625B/4615	5.375	+.004 / -.000	5.375	4.625		5.375	+.004 / -.000	4.625	+.000 / -.005	0.895	+.015 / -.000	50.45
25004875P375B/4615	5.375	+.004 / -.000	5.375	4.875		5.375	+.004 / -.000	4.875	+.000 / -.003	0.550	+.015 / -.000	35.60
25004875P562B/4615	5.375	+.004 / -.000	5.375	4.875		5.375	+.004 / -.000	4.875	+.000 / -.003	0.756	+.015 / -.000	35.60
37504750P625B/4615	5.500	+.004 / -.000	5.500	4.750		5.500	+.004 / -.000	4.750	+.000 / -.005	0.895	+.015 / -.000	51.15
25005000P375B/4615	5.500	+.004 / -.000	5.500	5.000		5.500	+.004 / -.000	5.000	+.000 / -.003	0.550	+.015 / -.000	36.50
25005000P562B/4615	5.500	+.004 / -.000	5.500	5.000		5.500	+.004 / -.000	5.000	+.000 / -.003	0.756	+.015 / -.000	36.50
50004750P750B/4615	5.750	+.004 / -.000	5.750	4.750		5.750	+.004 / -.000	4.750	+.000 / -.007	1.100	+.015 / -.000	71.35
37505000P625B/4615	5.750	+.004 / -.000	5.750	5.000		5.750	+.004 / -.000	5.000	+.000 / -.005	0.895	+.015 / -.000	54.45
31205125P625B/4615	5.750	+.004 / -.000	5.750	5.125		5.750	+.004 / -.000	5.125	+.000 / -.004	0.895	+.015 / -.000	43.20
25005250P375B/4615	5.750	+.004 / -.000	5.750	5.250		5.750	+.004 / -.000	5.250	+.000 / -.003	0.550	+.015 / -.000	39.40
25005250P562B/4615	5.750	+.004 / -.000	5.750	5.250		5.750	+.004 / -.000	5.250	+.000 / -.002	0.756	+.015 / -.000	39.40
37505125P625B/4615	5.875	+.004 / -.000	5.875	5.125		5.875	+.004 / -.000	5.125	+.000 / -.005	0.895	+.015 / -.000	55.30
31205250P625B/4615	5.875	+.004 / -.000	5.875	5.250		5.875	+.004 / -.000	5.250	+.000 / -.004	0.895	+.015 / -.000	44.80
50005000P750B/4615	6.000	+.004 / -.000	6.000	5.000		6.000	+.004 / -.000	5.000	+.000 / -.007	1.100	+.015 / -.000	73.80
37505250P625B/4615	6.000	+.004 / -.000	6.000	5.250		6.000	+.004 / -.000	5.250	+.000 / -.005	0.895	+.015 / -.000	56.15
25005500P375B/4615	6.000	+.004 / -.000	6.000	5.500		6.000	+.004 / -.000	5.500	+.000 / -.003	0.550	+.015 / -.000	42.15
25005500P562B/4615	6.000	+.004 / -.000	6.000	5.500		6.000	+.004 / -.000	5.500	+.000 / -.002	0.756	+.015 / -.000	42.15
37505375P625B/4615	6.125	+.004 / -.000	6.125	5.375		6.125	+.004 / -.000	5.375	+.000 / -.005	0.895	+.015 / -.000	57.50
31205500P625B/4615	6.125	+.004 / -.000	6.125	5.500		6.125	+.004 / -.000	5.500	+.000 / -.004	0.895	+.015 / -.000	47.05
25005625P562B/4615	6.125	+.004 / -.000	6.125	5.625		6.125	+.004 / -.000	5.625	+.000 / -.003	0.756	+.015 / -.000	43.85
50005250P750B/4615	6.250	+.004 / -.000	6.250	5.250		6.250	+.004 / -.000	5.250	+.000 / -.007	1.100	+.015 / -.000	75.85
37505500P625B/4615	6.250	+.004 / -.000	6.250	5.500		6.250	+.004 / -.000	5.500	+.000 / -.005	0.895	+.015 / -.000	58.25
25005750P562B/4615	6.250	+.004 / -.000	6.250	5.750		6.250	+.004 / -.000	5.750	+.000 / -.003	0.756	+.015 / -.000	44.65

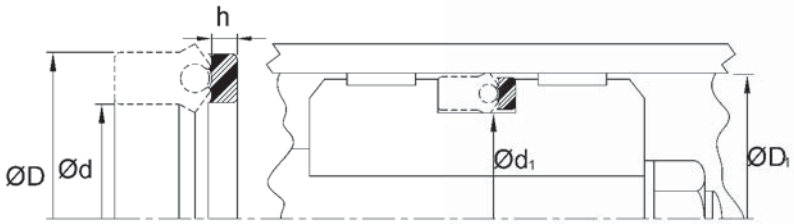
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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
37505625P625B/4615	6.375	+.004 / -.000	6.375	5.625		6.375	+.004 / -.000	5.625	+.000 / -.005	0.895	+.015 / -.000	59.85
31205750P625B/4615	6.375	+.004 / -.000	6.375	5.750		6.375	+.004 / -.000	5.750	+.000 / -.004	0.895	+.015 / -.000	50.45
37505750P625B/4615	6.500	+.004 / -.000	6.500	5.750		6.500	+.004 / -.000	5.750	+.000 / -.005	0.895	+.015 / -.000	60.65
25006000P562B/4615	6.500	+.004 / -.000	6.500	6.000		6.500	+.004 / -.000	6.000	+.000 / -.003	0.756	+.015 / -.000	46.25
31206000P625B/4615	6.625	+.004 / -.000	6.625	6.000		6.625	+.004 / -.000	6.000	+.000 / -.004	0.895	+.015 / -.000	53.00
50005750P750B/4615	6.750	+.005 / -.000	6.750	5.750		6.750	+.005 / -.000	5.750	+.000 / -.007	1.100	+.015 / -.000	80.55
37506000P625B/4615	6.750	+.005 / -.000	6.750	6.000		6.750	+.005 / -.000	6.000	+.000 / -.005	0.895	+.015 / -.000	63.00
25006250P562B/4615	6.750	+.005 / -.000	6.750	6.250		6.750	+.005 / -.000	6.250	+.000 / -.003	0.756	+.015 / -.000	47.70
50006000P750B/4615	7.000	+.005 / -.000	7.000	6.000		7.000	+.005 / -.000	6.000	+.000 / -.007	1.100	+.015 / -.000	82.00
37506250P625B/4615	7.000	+.005 / -.000	7.000	6.250		7.000	+.005 / -.000	6.250	+.000 / -.005	0.895	+.015 / -.000	63.80
31206375P625B/4615	7.000	+.005 / -.000	7.000	6.375		7.000	+.005 / -.000	6.375	+.000 / -.004	0.895	+.015 / -.000	55.70
25006500P375B/4615	7.000	+.005 / -.000	7.000	6.500		7.000	+.005 / -.000	6.500	+.000 / -.003	0.550	+.015 / -.000	49.35
25006500P562B/4615	7.000	+.005 / -.000	7.000	6.500		7.000	+.005 / -.000	6.500	+.000 / -.003	0.756	+.015 / -.000	49.35
37506500P625B/4615	7.250	+.005 / -.000	7.250	6.500		7.250	+.005 / -.000	6.500	+.000 / -.005	0.895	+.015 / -.000	66.45
37506750P625B/4615	7.500	+.005 / -.000	7.500	6.750		7.500	+.005 / -.000	6.750	+.000 / -.005	0.895	+.015 / -.000	68.30
25007000P375B/4615	7.500	+.005 / -.000	7.500	7.000		7.500	+.005 / -.000	7.000	+.000 / -.003	0.550	+.015 / -.000	54.55
25007000P562B/4615	7.500	+.005 / -.000	7.500	7.000		7.500	+.005 / -.000	7.000	+.000 / -.003	0.756	+.015 / -.000	54.55
50006750P750B/4615	7.750	+.005 / -.000	7.750	6.750		7.750	+.005 / -.000	6.750	+.000 / -.007	1.100	+.015 / -.000	87.20
37507000P625B/4615	7.750	+.005 / -.000	7.750	7.000		7.750	+.005 / -.000	7.000	+.000 / -.005	0.895	+.015 / -.000	70.90
50007000P750B/4615	8.000	+.005 / -.000	8.000	7.000		8.000	+.005 / -.000	7.000	+.000 / -.007	1.100	+.015 / -.000	89.40
37507250P625B/4615	8.000	+.005 / -.000	8.000	7.250		8.000	+.005 / -.000	7.250	+.000 / -.005	0.895	+.015 / -.000	73.25
50007750P750B/4615	8.750	+.005 / -.000	8.750	7.750		8.750	+.005 / -.000	7.750	+.000 / -.007	1.100	+.015 / -.000	98.80
37508000P625B/4615	8.750	+.005 / -.000	8.750	8.000		8.750	+.005 / -.000	8.000	+.000 / -.005	0.895	+.015 / -.000	98.05
50008000P750B/4615	9.000	+.005 / -.000	9.000	8.000		9.000	+.005 / -.000	8.000	+.000 / -.007	1.100	+.015 / -.000	101.15
37508250P625B/4615	9.000	+.005 / -.000	9.000	8.250		9.000	+.005 / -.000	8.250	+.000 / -.005	0.895	+.015 / -.000	100.85
37508500P625B/4615	9.250	+.005 / -.000	9.250	8.500		9.250	+.005 / -.000	8.500	+.000 / -.005	0.895	+.015 / -.000	103.40
50009000P750B/4615	10.000	+.005 / -.000	10.000	9.000		10.000	+.005 / -.000	9.000	+.000 / -.007	1.100	+.015 / -.000	112.60
50010500P750B/4615	11.500	+.006 / -.000	11.500	10.500		11.500	+.006 / -.000	10.500	+.000 / -.007	1.100	+.015 / -.000	160.05
50011000P750B/4615	12.000	+.006 / -.000	12.000	11.000		12.000	+.006 / -.000	11.000	+.000 / -.007	1.100	+.015 / -.000	177.00
50014000P750B/4615	15.000	+.006 / -.000	15.000	14.000		15.000	+.006 / -.000	14.000	+.000 / -.007	1.100	+.015 / -.000	266.25

PIP Ring

Molythane AU 65D





Temperature: -65/200F [-54/93C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Nominal Seal Dimensions			$	Ref.Number	Nominal Seal Dimensions			$
	d	D	H			d	D	H	
12500437PR/4617	0.687	0.437	0.065	3.25	18703000PR/4617	3.375	3.000	0.109	6.65
12500500PR/4617	0.750	0.500	0.065	3.25	25002875PR/4617	3.375	2.875	0.137	9.05
12500750PR/4617	1.000	0.750	0.065	3.40	18703125PR/4617	3.500	3.125	0.109	7.10
18700625PR/4617	1.000	0.625	0.109	3.55	25003000PR/4617	3.500	3.000	0.137	9.45
18700750PR/4617	1.125	0.750	0.109	3.70	37502750PR/4617	3.500	2.750	0.207	14.35
12501000PR/4617	1.250	1.000	0.065	3.70	18703250PR/4617	3.625	3.250	0.109	7.50
18700875PR/4617	1.250	0.875	0.109	3.95	18703375PR/4617	3.750	3.375	0.109	7.90
18700937PR/4617	1.312	0.937	0.109	4.10	25003250PR/4617	3.750	3.250	0.137	10.05
18701000PR/4617	1.375	1.000	0.109	4.10	18703625PR/4617	4.000	3.625	0.109	8.70
12501250PR/4617	1.500	1.250	0.065	4.05	25003500PR/4617	4.000	3.500	0.137	10.75
18701125PR/4617	1.500	1.125	0.109	4.35	31203375PR/4617	4.000	3.375	0.160	12.50
25001000PR/4617	1.500	1.000	0.137	4.50	37503250PR/4617	4.000	3.250	0.207	16.60
18701250PR/4617	1.625	1.250	0.109	4.45	25003750PR/4617	4.250	3.750	0.137	11.50
12501500PR/4617	1.750	1.500	0.065	4.35	37503500PR/4617	4.250	3.500	0.207	17.85
18701375PR/4617	1.750	1.375	0.109	4.65	18704000PR/4617	4.375	4.000	0.109	10.00
25001250PR/4617	1.750	1.250	0.137	4.75	25004000PR/4617	4.500	4.000	0.137	12.15
18701500PR/4617	1.875	1.500	0.109	4.75	37503750PR/4617	4.500	3.750	0.207	18.75
12501750PR/4617	2.000	1.750	0.065	4.55	50003500PR/4617	4.500	3.500	0.275	24.05
18701625PR/4617	2.000	1.625	0.109	4.95	25004250PR/4617	4.750	4.250	0.137	12.75
25001500PR/4617	2.000	1.500	0.137	5.50	37504000PR/4617	4.750	4.000	0.207	20.00
18701750PR/4617	2.125	1.750	0.109	5.05	25004500PR/4617	5.000	4.500	0.137	13.50
12502000PR/4617	2.250	2.000	0.065	4.80	31204375PR/4617	5.000	4.375	0.160	16.15
25001750PR/4617	2.250	1.750	0.137	6.05	37504250PR/4617	5.000	4.250	0.207	21.20
18702000PR/4617	2.375	2.000	0.109	5.30	31204500PR/4617	5.125	4.500	0.160	16.55
25001937PR/4617	2.437	1.937	0.137	6.50	25005000PR/4617	5.500	5.000	0.137	14.85
25002000PR/4617	2.500	2.000	0.137	6.70	37504750PR/4617	5.500	4.750	0.207	23.35
31201875PR/4617	2.500	1.875	0.160	7.60	25005250PR/4617	5.750	5.250	0.137	15.50
18702375PR/4617	2.750	2.375	0.109	5.65	25005500PR/4617	6.000	5.500	0.137	16.25
25002250PR/4617	2.750	2.250	0.137	7.35	37505250PR/4617	6.000	5.250	0.207	25.75
37502000PR/4617	2.750	2.000	0.207	10.85	50005000PR/4617	6.000	5.000	0.275	33.25
18702500PR/4617	2.875	2.500	0.109	5.80	31205500PR/4617	6.125	5.500	0.160	19.70
18702625PR/4617	3.000	2.625	0.109	6.05	37505500PR/4617	6.250	5.500	0.207	26.65
25002500PR/4617	3.000	2.500	0.137	8.05	50005250PR/4617	6.250	5.250	0.275	34.65
31202375PR/4617	3.000	2.375	0.160	9.20	25006000PR/4617	6.500	6.000	0.137	17.60
37502250PR/4617	3.000	2.250	0.207	12.10	37505750PR/4617	6.500	5.750	0.207	28.00
18702750PR/4617	3.125	2.750	0.109	6.30	25006500PR/4617	7.000	6.500	0.137	18.35
25002750PR/4617	3.250	2.750	0.137	8.75	31206375PR/4617	7.000	6.375	0.160	21.80
37502500PR/4617	3.250	2.500	0.207	13.10	37506250PR/4617	7.000	6.250	0.207	28.90

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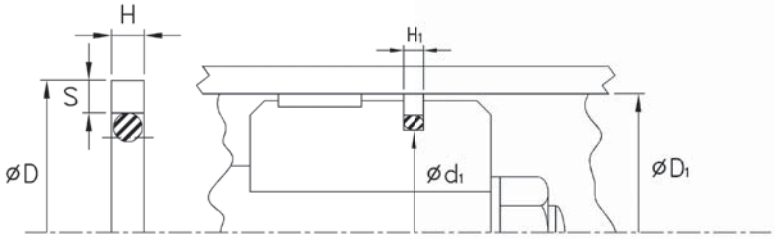
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
50006000PR/4617	7.000	6.000	0.275	38.00
25007000PR/4617	7.500	7.000	0.137	20.00
37506750PR/4617	7.500	6.750	0.207	30.85
37507250PR/4617	8.000	7.250	0.207	32.55
50007000PR/4617	8.000	7.000	0.275	40.55
62507000PR/4617	8.250	7.000	0.312	54.20
62507250PR/4617	8.500	7.250	0.312	55.25
37508250PR/4617	9.000	8.250	0.207	36.85
50008000PR/4617	9.000	8.000	0.275	45.20
37508500PR/4617	9.250	8.500	0.207	37.80
37508750PR/4617	9.500	8.750	0.207	38.80
50009000PR/4617	10.000	9.000	0.275	50.40

Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
50009500PR/4617	10.500	9.500	0.275	53.90
50011000PR/4617	12.000	11.000	0.275	62.20
50011875PR/4617	12.875	11.875	0.275	67.00
50014000PR/4617	15.000	14.000	0.275	97.30

TFES - Piston Seals

GF.PTFE/Nitrile





Temperature: -40/200F [-40/93C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
TFES-00500	0.500	+.003 / -.000	0.500	0.065 - 0.075	0.065 - 0.075	-009	0.241	+.002 / -.002	0.083	+.002 / -.002	2.75
TFES-00625	0.625	+.003 / -.000	0.625	0.065 - 0.075	0.065 - 0.075	-011	0.366	+.002 / -.002	0.083	+.002 / -.002	2.90
TFES-00750	0.750	+.003 / -.000	0.750	0.065 - 0.075	0.065 - 0.075	-013	0.491	+.002 / -.002	0.083	+.002 / -.002	3.00
TFES-01000	1.000	+.003 / -.000	1.000	0.065 - 0.075	0.065 - 0.075	-017	0.741	+.002 / -.002	0.083	+.002 / -.002	3.10
TFES-01125	1.125	+.003 / -.000	1.125	0.065 - 0.075	0.065 - 0.075	-019	0.866	+.002 / -.002	0.083	+.002 / -.002	3.85
TFES-01250	1.250	+.003 / -.000	1.250	0.065 - 0.075	0.065 - 0.075	-022	0.991	+.002 / -.002	0.083	+.002 / -.002	3.35
TFES-01375	1.375	+.003 / -.000	1.375	0.065 - 0.075	0.065 - 0.075	-023	1.116	+.002 / -.002	0.083	+.002 / -.002	5.15
TFES-01500	1.500	+.003 / -.000	1.500	0.065 - 0.075	0.065 - 0.075	-025	1.241	+.002 / -.002	0.083	+.002 / -.002	3.55
TFES-01625	1.625	+.003 / -.000	1.625	0.099 - 0.119	0.099 - 0.119	-123	1.235	+.002 / -.002	0.122	+.002 / -.002	3.60
TFES-01750	1.750	+.003 / -.000	1.750	0.099 - 0.119	0.099 - 0.119	-125	1.360	+.002 / -.002	0.122	+.002 / -.002	3.65
TFES-01875	1.875	+.003 / -.000	1.875	0.099 - 0.119	0.099 - 0.119	-128	1.483	+.002 / -.002	0.122	+.002 / -.002	6.20
TFES-02000	2.000	+.003 / -.000	2.000	0.105 - 0.125	0.105 - 0.125	-129	1.606	+.002 / -.002	0.130	+.002 / -.002	3.80
TFES-02125	2.125	+.003 / -.000	2.125	0.105 - 0.125	0.105 - 0.125	-132	1.733	+.002 / -.002	0.130	+.002 / -.002	6.65
TFES-02250	2.250	+.003 / -.000	2.250	0.105 - 0.125	0.105 - 0.125	-133	1.856	+.002 / -.002	0.130	+.002 / -.002	3.90
TFES-02375	2.375	+.003 / -.000	2.375	0.105 - 0.125	0.105 - 0.125	-135	1.981	+.002 / -.002	0.130	+.002 / -.002	6.85
TFES-02500	2.500	+.003 / -.000	2.500	0.105 - 0.125	0.105 - 0.125	-137	2.106	+.002 / -.002	0.130	+.002 / -.002	4.00
TFES-02750	2.750	+.003 / -.000	2.750	0.105 - 0.125	0.105 - 0.125	-141	2.356	+.002 / -.002	0.130	+.002 / -.002	4.05
TFES-03000	3.000	+.004 / -.000	3.000	0.105 - 0.125	0.105 - 0.125	-145	2.606	+.002 / -.002	0.130	+.002 / -.002	4.10

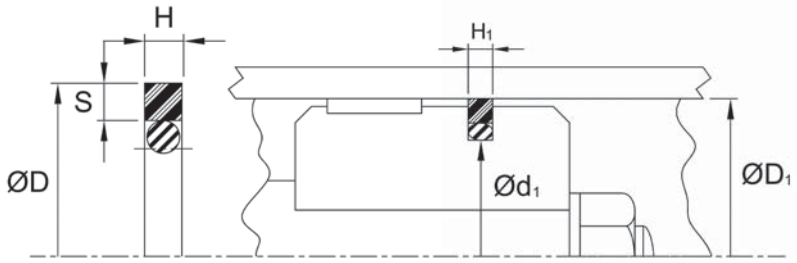
TFES SERIES - GF.PTFE/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
TFES-03125	3.125	+.004 / -.000	3.125	0.105 - 0.125	0.105 - 0.125	-148	2.733	+.002 / -.002	0.130	+.002 / -.002	7.15
TFES-03250	3.250	+.004 / -.000	3.250	0.105 - 0.125	0.105 - 0.125	-149	2.856	+.002 / -.002	0.130	+.002 / -.002	4.20
TFES-03375	3.375	+.004 / -.000	3.375	0.105 - 0.125	0.105 - 0.125	-150	2.983	+.002 / -.002	0.130	+.002 / -.002	7.35
TFES-03500	3.500	+.004 / -.000	3.500	0.105 - 0.125	0.105 - 0.125	-151	3.106	+.002 / -.002	0.130	+.002 / -.002	4.35
TFES-03625	3.625	+.004 / -.000	3.625	0.105 - 0.125	0.105 - 0.125	-151	3.233	+.002 / -.002	0.130	+.002 / -.002	7.80
TFES-03750	3.750	+.004 / -.000	3.750	0.105 - 0.125	0.105 - 0.125	-152	3.356	+.002 / -.002	0.130	+.002 / -.002	4.70
TFES-04000	4.000	+.004 / -.000	4.000	0.105 - 0.125	0.105 - 0.125	-153	3.606	+.002 / -.002	0.130	+.002 / -.002	4.75
TFES-04250	4.250	+.004 / -.000	4.250	0.105 - 0.125	0.105 - 0.125	-154	3.856	+.002 / -.002	0.130	+.002 / -.002	5.05
TFES-04500	4.500	+.004 / -.000	4.500	0.105 - 0.125	0.105 - 0.125	-155	4.106	+.002 / -.002	0.130	+.002 / -.002	5.35
TFES-04750	4.750	+.004 / -.000	4.750	0.105 - 0.125	0.105 - 0.125	-156	4.356	+.002 / -.002	0.130	+.002 / -.002	8.35
TFES-04875	4.875	+.004 / -.000	4.875	0.105 - 0.125	0.105 - 0.125	-157	4.483	+.002 / -.002	0.130	+.002 / -.002	11.50
TFES-05000	5.000	+.004 / -.000	5.000	0.105 - 0.125	0.105 - 0.125	-157	4.606	+.002 / -.002	0.130	+.002 / -.002	6.00
TFES-05250	5.250	+.004 / -.000	5.250	0.105 - 0.125	0.105 - 0.125	-158	4.856	+.002 / -.002	0.130	+.002 / -.002	6.40
TFES-05500	5.500	+.004 / -.000	5.500	0.105 - 0.125	0.105 - 0.125	-159	5.106	+.002 / -.002	0.130	+.002 / -.002	6.60
TFES-05750	5.750	+.004 / -.000	5.750	0.133 - 0.153	0.133 - 0.153	-251	5.232	+.002 / -.002	0.159	+.002 / -.002	7.05
TFES-05875	5.875	+.004 / -.000	5.875	0.133 - 0.153	0.133 - 0.153	-252	5.357	+.002 / -.002	0.159	+.002 / -.002	12.30
TFES-06000	6.000	+.004 / -.000	6.000	0.133 - 0.153	0.133 - 0.153	-253	5.482	+.002 / -.002	0.159	+.002 / -.002	7.70
TFES-06125	6.125	+.004 / -.000	6.125	0.133 - 0.153	0.133 - 0.153	-254	5.607	+.002 / -.002	0.159	+.002 / -.002	14.05
TFES-06250	6.250	+.004 / -.000	6.250	0.133 - 0.153	0.133 - 0.153	-255	5.732	+.002 / -.002	0.159	+.002 / -.002	7.80
TFES-06500	6.500	+.004 / -.000	6.500	0.133 - 0.153	0.133 - 0.153	-257	5.982	+.002 / -.002	0.159	+.002 / -.002	9.35
TFES-06750	6.750	+.005 / -.000	6.750	0.133 - 0.153	0.133 - 0.153	-258	6.232	+.002 / -.002	0.159	+.002 / -.002	9.50
TFES-07000	7.000	+.005 / -.000	7.000	0.133 - 0.153	0.133 - 0.153	-259	6.482	+.002 / -.002	0.159	+.002 / -.002	9.65
TFES-07250	7.250	+.005 / -.000	7.250	0.133 - 0.153	0.133 - 0.153	-260	6.732	+.002 / -.002	0.159	+.002 / -.002	9.85
TFES-07500	7.500	+.005 / -.000	7.500	0.133 - 0.153	0.133 - 0.153	-261	6.982	+.002 / -.002	0.159	+.002 / -.002	10.10
TFES-07750	7.750	+.005 / -.000	7.750	0.133 - 0.153	0.133 - 0.153	-262	7.232	+.002 / -.002	0.159	+.002 / -.002	10.20
TFES-08000	8.000	+.005 / -.000	8.000	0.133 - 0.153	0.133 - 0.153	-263	7.482	+.002 / -.002	0.159	+.002 / -.002	10.35
TFES-08125	8.125	+.005 / -.000	8.125	0.133 - 0.153	0.133 - 0.153	-264	7.607	+.002 / -.002	0.159	+.002 / -.002	19.75
TFES-08250	8.250	+.005 / -.000	8.250	0.133 - 0.153	0.133 - 0.153	-264	7.732	+.002 / -.002	0.159	+.002 / -.002	23.35
TFES-08500	8.500	+.005 / -.000	8.500	0.133 - 0.153	0.133 - 0.153	-265	7.982	+.002 / -.002	0.159	+.002 / -.002	27.15
TFES-08750	8.750	+.005 / -.000	8.750	0.133 - 0.153	0.133 - 0.153	-266	8.232	+.002 / -.002	0.159	+.002 / -.002	27.80
TFES-09000	9.000	+.005 / -.000	9.000	0.133 - 0.153	0.133 - 0.153	-267	8.482	+.002 / -.002	0.159	+.002 / -.002	28.45
TFES-09250	9.250	+.005 / -.000	9.250	0.133 - 0.153	0.133 - 0.153	-268	8.732	+.002 / -.002	0.159	+.002 / -.002	43.40
TFES-09500	9.500	+.005 / -.000	9.500	0.133 - 0.153	0.133 - 0.153	-269	8.982	+.002 / -.002	0.159	+.002 / -.002	45.35
TFES-09750	9.750	+.005 / -.000	9.750	0.133 - 0.153	0.133 - 0.153	-270	9.232	+.002 / -.002	0.159	+.002 / -.002	46.50
TFES-10000	10.000	+.005 / -.000	10.000	0.133 - 0.153	0.133 - 0.153	-271	9.482	+.002 / -.002	0.159	+.002 / -.002	48.70
TFES-10250	10.250	+.005 / -.000	10.250	0.133 - 0.153	0.133 - 0.153	-272	9.732	+.002 / -.002	0.159	+.002 / -.002	50.75
TFES-10500	10.500	+.005 / -.000	10.500	0.133 - 0.153	0.133 - 0.153	-273	9.982	+.002 / -.002	0.159	+.002 / -.002	52.65
TFES-10750	10.750	+.005 / -.000	10.750	0.133 - 0.153	0.133 - 0.153	-274	10.232	+.002 / -.002	0.159	+.002 / -.002	55.20
TFES-11000	11.000	+.006 / -.000	11.000	0.133 - 0.153	0.133 - 0.153	-275	10.482	+.002 / -.002	0.159	+.002 / -.002	56.35
TFES-11500	11.500	+.006 / -.000	11.500	0.133 - 0.153	0.133 - 0.153	-276	10.982	+.002 / -.002	0.159	+.002 / -.002	57.80
TFES-12000	12.000	+.006 / -.000	12.000	0.133 - 0.153	0.133 - 0.153	-277	11.482	+.002 / -.002	0.159	+.002 / -.002	59.95
TFES-12500	12.500	+.006 / -.000	12.500	0.133 - 0.153	0.133 - 0.153	-278	11.982	+.002 / -.002	0.159	+.002 / -.002	62.85
TFES-13000	13.000	+.006 / -.000	13.000	0.133 - 0.153	0.133 - 0.153	-278	12.482	+.002 / -.002	0.159	+.002 / -.002	76.30
TFES-14000	14.000	+.006 / -.000	14.000	0.133 - 0.153	0.133 - 0.153	-279	13.482	+.002 / -.002	0.159	+.002 / -.002	88.95

CAT TYPE-2 - Piston Seals

PTFE/Nitrile



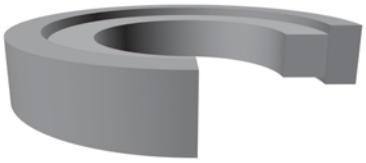


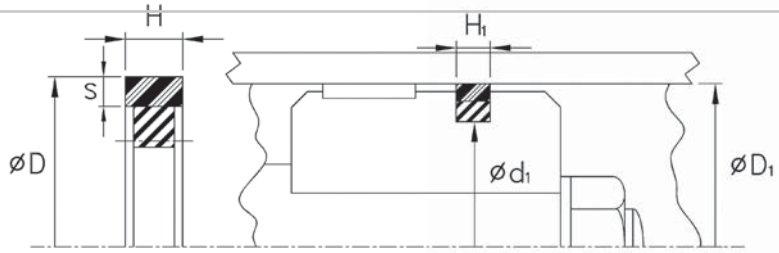
Temperature: -40/200F [-40/93C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
RCAT-3E4241	0.500	+.003 / -.000	0.500				0.240	+.003 / -.003	0.083	+.002 / -.002	3.50
RCAT-3E4242	0.625	+.003 / -.000	0.625				0.365	+.003 / -.003	0.083	+.002 / -.002	3.65
RCAT-3E4243	0.750	+.003 / -.000	0.750				0.490	+.003 / -.003	0.083	+.002 / -.002	3.85
RCAT-3E4244	1.000	+.003 / -.000	1.000				0.740	+.003 / -.003	0.083	+.002 / -.002	4.00
RCAT-3E4245	1.125	+.003 / -.000	1.125				0.865	+.003 / -.003	0.083	+.002 / -.002	4.35
RCAT-3E4246	1.250	+.003 / -.000	1.250				0.990	+.003 / -.003	0.083	+.002 / -.002	4.50
RCAT-3E4247	1.500	+.003 / -.000	1.500				1.240	+.003 / -.003	0.083	+.002 / -.002	4.65
RCAT-3E4248	1.625	+.003 / -.000	1.625				1.236	+.003 / -.003	0.122	+.002 / -.002	4.70
RCAT-3E4249	1.750	+.003 / -.000	1.750				1.360	+.003 / -.003	0.122	+.002 / -.002	4.80
RCAT-3E4250	2.000	+.003 / -.000	2.000				1.606	+.003 / -.003	0.130	+.002 / -.002	5.00
RCAT-3E4251	2.250	+.003 / -.000	2.250				1.856	+.003 / -.003	0.130	+.002 / -.002	5.25
RCAT-3E4252	2.500	+.003 / -.000	2.500				2.106	+.003 / -.003	0.130	+.002 / -.002	5.30
RCAT-3E4253	2.750	+.003 / -.000	2.750				2.357	+.003 / -.003	0.130	+.002 / -.002	5.35
RCAT-3E4254	3.000	+.004 / -.000	3.000				2.606	+.003 / -.003	0.130	+.002 / -.002	5.45
RCAT-3E4255	3.250	+.004 / -.000	3.250				2.856	+.003 / -.003	0.130	+.002 / -.002	5.55
RCAT-3E4256	3.500	+.004 / -.000	3.500				3.106	+.003 / -.003	0.130	+.002 / -.002	5.70
RCAT-3E4257	3.750	+.004 / -.000	3.750				3.356	+.003 / -.003	0.130	+.002 / -.002	6.20
RCAT-3E4258	4.000	+.004 / -.000	4.000				3.606	+.003 / -.003	0.130	+.002 / -.002	6.25
RCAT-3E4259	4.250	+.004 / -.000	4.250				3.856	+.003 / -.003	0.130	+.002 / -.002	6.45
RCAT-3E4260	4.500	+.004 / -.000	4.500				4.106	+.003 / -.003	0.130	+.002 / -.002	7.00
RCAT-3E4261	4.750	+.004 / -.000	4.750				4.356	+.003 / -.003	0.130	+.002 / -.002	7.65
RCAT-3E4262	5.000	+.004 / -.000	5.000				4.606	+.003 / -.003	0.130	+.002 / -.002	7.85
RCAT-3E4263	5.250	+.004 / -.000	5.250				4.856	+.003 / -.003	0.130	+.002 / -.002	8.40
RCAT-3E4264	5.500	+.004 / -.000	5.500				5.106	+.003 / -.003	0.130	+.002 / -.002	8.65
RCAT-3E4265	5.750	+.004 / -.000	5.750				5.232	+.003 / -.003	0.160	+.002 / -.002	9.15
RCAT-3E4266	6.000	+.004 / -.000	6.000				5.482	+.003 / -.003	0.160	+.002 / -.002	9.60
RCAT-3E4267	6.250	+.004 / -.000	6.250				5.732	+.003 / -.003	0.160	+.002 / -.002	10.25
RCAT-3E4268	6.500	+.004 / -.000	6.500				5.982	+.003 / -.003	0.160	+.002 / -.002	12.15
RCAT-3E4269	6.750	+.005 / -.000	6.750				6.232	+.003 / -.003	0.160	+.002 / -.002	12.35
RCAT-3E4270	7.000	+.005 / -.000	7.000				6.482	+.003 / -.003	0.160	+.002 / -.002	12.50
RCAT-3E4271	7.250	+.005 / -.000	7.250				6.732	+.003 / -.003	0.160	+.002 / -.002	12.50
RCAT-3E4272	7.500	+.005 / -.000	7.500				6.982	+.003 / -.003	0.160	+.002 / -.002	12.55
RCAT-3E4273	7.750	+.005 / -.000	7.750				7.232	+.003 / -.003	0.160	+.002 / -.002	12.80
RCAT-3E4274	8.000	+.005 / -.000	8.000				7.482	+.003 / -.003	0.160	+.002 / -.002	13.90
RCAT-3E4275	8.250	+.005 / -.000	8.250				7.730	+.003 / -.003	0.160	+.002 / -.002	30.75
RCAT-3E4276	8.500	+.005 / -.000	8.500				7.982	+.003 / -.003	0.160	+.002 / -.002	35.90

160G - Piston Seals

GF.PTFE/Nitrile





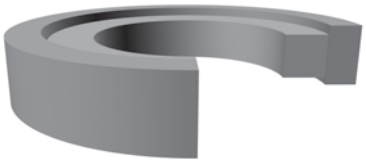
Temperature: -40/220F [-40/104C] **Pressure: 5000 PSI [345 BAR]**

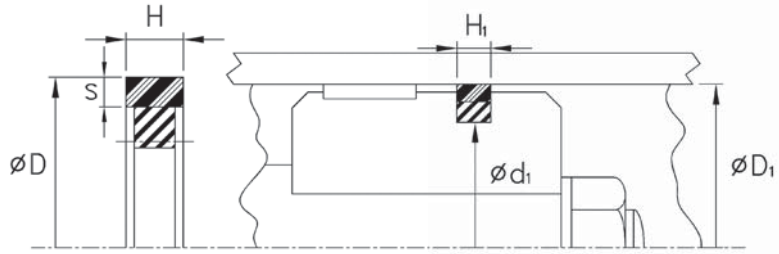
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
160G01000	1.000	+.003 / -.000	1.000	0.055 - 0.060	0.088 - 0.093	-019	0.787	+.000 / -.003	0.094	+.003 / -.000	6.30
160G01125	1.125	+.003 / -.000	1.125	0.055 - 0.060	0.088 - 0.093	-021	0.912	+.000 / -.003	0.094	+.003 / -.000	6.45
160G01250	1.250	+.003 / -.000	1.250	0.055 - 0.060	0.088 - 0.093	-023	1.037	+.000 / -.003	0.094	+.003 / -.000	6.60
160G01375	1.375	+.003 / -.000	1.375	0.055 - 0.060	0.088 - 0.093	-025	1.162	+.000 / -.003	0.094	+.003 / -.000	6.70
160G01500	1.500	+.003 / -.000	1.500	0.055 - 0.060	0.088 - 0.093	-027	1.287	+.000 / -.003	0.094	+.003 / -.000	6.90
160G01625	1.625	+.003 / -.000	1.625	0.055 - 0.060	0.088 - 0.093	-029	1.412	+.000 / -.003	0.094	+.003 / -.000	6.95
160G01750	1.750	+.003 / -.000	1.750	0.060 - 0.065	0.088 - 0.093	-127	1.473	+.000 / -.003	0.094	+.003 / -.000	7.60
160G01875	1.875	+.003 / -.000	1.875	0.060 - 0.065	0.120 - 0.125	-130	1.598	+.000 / -.003	0.126	+.003 / -.000	7.95
160G02000	2.000	+.003 / -.000	2.000	0.060 - 0.065	0.120 - 0.125	-132	1.723	+.000 / -.003	0.126	+.003 / -.000	8.60
160G02250	2.250	+.003 / -.000	2.250	0.060 - 0.065	0.120 - 0.125	-135	1.937	+.000 / -.003	0.126	+.003 / -.000	9.10
160G02375	2.375	+.003 / -.000	2.375	0.060 - 0.065	0.120 - 0.125	-137	2.098	+.000 / -.003	0.126	+.003 / -.000	9.55
160G02500	2.500	+.003 / -.000	2.500	0.060 - 0.065	0.120 - 0.125	-140	2.223	+.000 / -.003	0.126	+.003 / -.000	9.75
160G02750	2.750	+.003 / -.000	2.750	0.085 - 0.090	0.150 - 0.155	-229	2.348	+.000 / -.003	0.157	+.003 / -.000	11.30
160G03000	3.000	+.004 / -.000	3.000	0.085 - 0.090	0.150 - 0.155	-231	2.603	+.000 / -.003	0.157	+.003 / -.000	14.45
160G03250	3.250	+.004 / -.000	3.250	0.085 - 0.090	0.150 - 0.155	-233	2.853	+.000 / -.003	0.157	+.003 / -.000	15.25
160G03500	3.500	+.004 / -.000	3.500	0.085 - 0.090	0.150 - 0.155	-235	3.103	+.000 / -.003	0.157	+.003 / -.000	15.65
160G03750	3.750	+.004 / -.000	3.750	0.085 - 0.090	0.150 - 0.155	-237	3.353	+.000 / -.003	0.157	+.003 / -.000	15.80
160G04000	4.000	+.004 / -.000	4.000	0.085 - 0.090	0.150 - 0.155	-238	3.600	+.000 / -.003	0.157	+.003 / -.000	16.10
160G04250	4.250	+.004 / -.000	4.250	0.085 - 0.090	0.150 - 0.155	-241	3.853	+.000 / -.003	0.157	+.003 / -.000	16.20
160G04500	4.500	+.004 / -.000	4.500	0.085 - 0.090	0.150 - 0.155	-243	4.103	+.000 / -.003	0.157	+.003 / -.000	16.25
160G04750	4.750	+.004 / -.000	4.750	0.085 - 0.090	0.150 - 0.155	-245	4.353	+.000 / -.003	0.157	+.003 / -.000	19.70
160G05000	5.000	+.004 / -.000	5.000	0.085 - 0.090	0.150 - 0.155	-247	4.603	+.000 / -.003	0.157	+.003 / -.000	20.10
160G05250	5.250	+.004 / -.000	5.250	0.085 - 0.090	0.150 - 0.155	-249	4.853	+.000 / -.003	0.157	+.003 / -.000	21.45
160G05500	5.500	+.004 / -.000	5.500	0.085 - 0.090	0.150 - 0.155	-251	5.103	+.000 / -.003	0.157	+.003 / -.000	22.70
160G05750	5.750	+.004 / -.000	5.750	0.085 - 0.090	0.150 - 0.155	-253	5.353	+.000 / -.003	0.157	+.003 / -.000	27.70
160G06000	6.000	+.004 / -.000	6.000	0.120 - 0.125	0.287 - 0.292	-355	5.305	+.000 / -.003	0.293	+.003 / -.000	31.35
160G06500	6.500	+.004 / -.000	6.500	0.120 - 0.125	0.287 - 0.292	-359	5.805	+.000 / -.003	0.293	+.003 / -.000	37.15
160G07000	7.000	+.005 / -.000	7.000	0.120 - 0.125	0.287 - 0.292	-362	6.305	+.000 / -.003	0.293	+.003 / -.000	47.40
160G07500	7.500	+.005 / -.000	7.500	0.120 - 0.125	0.287 - 0.292	-364	6.805	+.000 / -.003	0.293	+.003 / -.000	69.85
160G08000	8.000	+.005 / -.000	8.000	0.120 - 0.125	0.287 - 0.292	-366	7.305	+.000 / -.003	0.293	+.003 / -.000	78.55

www.sealsonline.com

169B - Piston Seals

BR.PTFE/Nitrile



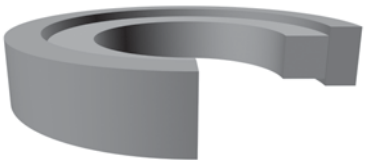


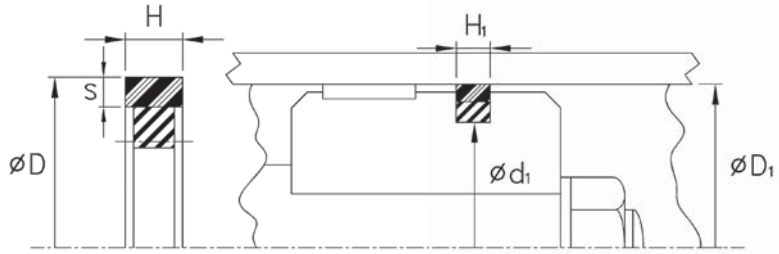
Temperature: -65/225F [-54/107C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
169B01000125	1.000	+.003 / -.000	1.000	0.067 - 0.073	0.116 - 0.121	-115	0.692	+.002 / -.002	0.125	+.002 / -.000	7.45
169B01250125	1.250	+.003 / -.000	1.250	0.067 - 0.073	0.116 - 0.121	-119	0.942	+.002 / -.002	0.125	+.002 / -.000	7.50
169B01500125	1.500	+.003 / -.000	1.500	0.067 - 0.073	0.116 - 0.121	-123	1.192	+.002 / -.002	0.125	+.002 / -.000	7.60
169B01750125	1.750	+.003 / -.000	1.750	0.067 - 0.073	0.116 - 0.121	-127	1.443	+.002 / -.002	0.125	+.002 / -.000	8.15
169B02000125	2.000	+.003 / -.000	2.000	0.067 - 0.073	0.116 - 0.121	-131	1.693	+.002 / -.002	0.125	+.002 / -.000	9.30
169B02250125	2.250	+.003 / -.000	2.250	0.067 - 0.073	0.116 - 0.121	-135	1.943	+.002 / -.002	0.125	+.002 / -.000	9.55
169B02500125	2.500	+.003 / -.000	2.500	0.067 - 0.073	0.116 - 0.121	-139	2.193	+.002 / -.002	0.125	+.002 / -.000	10.20
169B02750125	2.750	+.003 / -.000	2.750	0.067 - 0.073	0.116 - 0.121	-143	2.443	+.002 / -.002	0.125	+.002 / -.000	11.30
169B03000281	3.000	+.004 / -.000	3.000	0.087 - 0.093	0.269 - 0.274	-333	2.443	+.002 / -.002	0.278	+.002 / -.000	12.10
169B03250281	3.250	+.004 / -.000	3.250	0.087 - 0.093	0.269 - 0.274	-335	2.695	+.002 / -.002	0.278	+.002 / -.000	14.35
169B03500281	3.500	+.004 / -.000	3.500	0.087 - 0.093	0.269 - 0.274	-337	2.945	+.002 / -.002	0.278	+.002 / -.000	15.85
169B03750281	3.750	+.004 / -.000	3.750	0.087 - 0.093	0.269 - 0.274	-339	3.195	+.002 / -.002	0.278	+.002 / -.000	18.00
169B04000281	4.000	+.004 / -.000	4.000	0.087 - 0.093	0.269 - 0.274	-341	3.445	+.002 / -.002	0.278	+.002 / -.000	19.95
169B04250281	4.250	+.004 / -.000	4.250	0.087 - 0.093	0.269 - 0.274	-343	3.695	+.002 / -.002	0.278	+.002 / -.000	23.05
169B04500281	4.500	+.004 / -.000	4.500	0.087 - 0.093	0.269 - 0.274	-345	3.945	+.002 / -.002	0.278	+.002 / -.000	24.25
169B04750281	4.750	+.004 / -.000	4.750	0.087 - 0.093	0.269 - 0.274	-347	4.195	+.002 / -.002	0.278	+.002 / -.000	24.95
169B05000281	5.000	+.004 / -.000	5.000	0.087 - 0.093	0.269 - 0.274	-349	4.445	+.002 / -.002	0.278	+.002 / -.000	26.10
169B05000375	5.000	+.004 / -.000	5.000	0.087 - 0.093	0.362 - 0.367	-4177	4.238	+.002 / -.002	0.375	+.002 / -.000	34.45
169B05250375	5.250	+.004 / -.000	5.250	0.137 - 0.147	0.362 - 0.367	-425	4.488	+.002 / -.002	0.375	+.005 / -.000	30.80
169B05500375	5.500	+.004 / -.000	5.500	0.137 - 0.147	0.362 - 0.367	-427	4.738	+.002 / -.002	0.375	+.005 / -.000	34.35
169B05750375	5.750	+.004 / -.000	5.750	0.137 - 0.147	0.362 - 0.367	-429	4.988	+.002 / -.002	0.375	+.005 / -.000	35.45
169B06000375	6.000	+.004 / -.000	6.000	0.137 - 0.147	0.362 - 0.367	-431	5.238	+.002 / -.002	0.375	+.005 / -.000	37.40
169B06250375	6.250	+.004 / -.000	6.250	0.137 - 0.147	0.362 - 0.367	-433	5.488	+.002 / -.002	0.375	+.005 / -.000	38.30
169B06500375	6.500	+.004 / -.000	6.500	0.137 - 0.147	0.362 - 0.367	-435	5.738	+.002 / -.002	0.375	+.005 / -.000	38.65
169B07000375	7.000	+.005 / -.000	7.000	0.137 - 0.147	0.362 - 0.367	-438	6.238	+.002 / -.002	0.375	+.005 / -.000	39.50
169B07500375	7.500	+.005 / -.000	7.500	0.137 - 0.147	0.362 - 0.367	-440	6.738	+.002 / -.002	0.375	+.005 / -.000	39.95
169B08000375	8.000	+.005 / -.000	8.000	0.137 - 0.147	0.362 - 0.367	-442	7.238	+.002 / -.002	0.375	+.005 / -.000	44.75
169B08250375	8.250	+.005 / -.000	8.250	0.137 - 0.147	0.362 - 0.367	-443	7.488	+.002 / -.002	0.375	+.005 / -.000	48.25
169B08500375	8.500	+.005 / -.000	8.500	0.137 - 0.147	0.362 - 0.367	-444	7.738	+.002 / -.002	0.375	+.005 / -.000	53.65
169B09000375	9.000	+.005 / -.000	9.000	0.195 - 0.210	0.362 - 0.367	-445	8.122	+.002 / -.002	0.375	+.005 / -.000	60.65
169B09500375	9.500	+.005 / -.000	9.500	0.195 - 0.210	0.362 - 0.367	-446	8.622	+.002 / -.002	0.375	+.005 / -.000	76.05
169B10000375	10.000	+.005 / -.000	10.000	0.195 - 0.210	0.362 - 0.367	-447	9.122	+.002 / -.002	0.375	+.005 / -.000	84.40
169B11000375	11.000	+.006 / -.000	11.000	0.195 - 0.210	0.362 - 0.367	-449	10.122	+.002 / -.002	0.375	+.005 / -.000	145.75
169B12000375	12.000	+.006 / -.000	12.000	0.195 - 0.210	0.362 - 0.367	-451	11.122	+.002 / -.002	0.375	+.005 / -.000	152.00
169B13000375	13.000	+.006 / -.000	13.000	0.195 - 0.210	0.362 - 0.367	-453	12.122	+.002 / -.002	0.375	+.005 / -.000	157.75
169B14000375	14.000	+.006 / -.000	14.000	0.195 - 0.210	0.362 - 0.367	-455	13.122	+.002 / -.002	0.375	+.005 / -.000	171.70

169G - Piston Seals

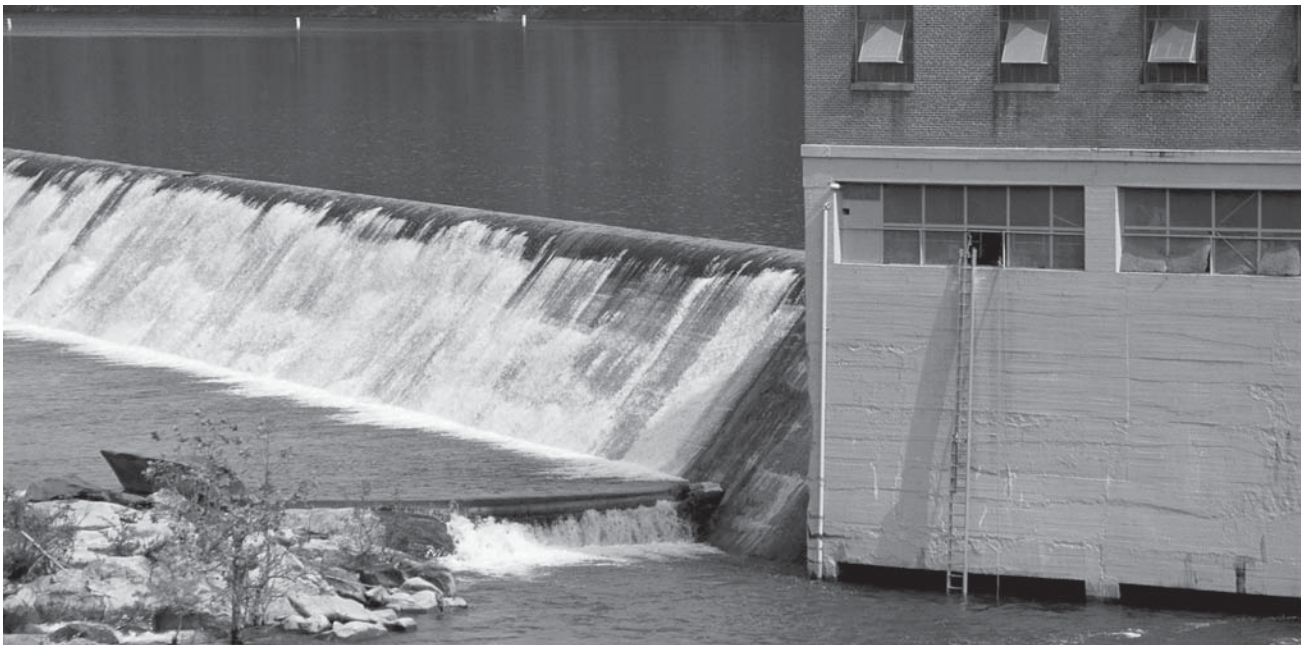
GF.PTFE/Nitrile





Temperature: -65/225F [-54/107C] **Pressure: 5000 PSI [345 BAR]**

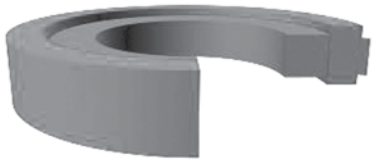
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
169G01000125	1.000	+.003 / -.000	1.000	0.067 - 0.073	0.116 - 0.121	-115	0.692	+.002 / -.002	0.125	+.002 / -.000	4.50
169G01250125	1.250	+.003 / -.000	1.250	0.067 - 0.073	0.116 - 0.121	-119	0.942	+.002 / -.002	0.125	+.002 / -.000	4.55
169G01500125	1.500	+.003 / -.000	1.500	0.067 - 0.073	0.116 - 0.121	-123	1.192	+.002 / -.002	0.125	+.002 / -.000	4.70
169G01750125	1.750	+.003 / -.000	1.750	0.067 - 0.073	0.116 - 0.121	-127	1.443	+.002 / -.002	0.125	+.002 / -.000	5.15
169G02000125	2.000	+.003 / -.000	2.000	0.067 - 0.073	0.116 - 0.121	-131	1.693	+.002 / -.002	0.125	+.002 / -.000	6.25
169G02250125	2.250	+.003 / -.000	2.250	0.067 - 0.073	0.116 - 0.121	-135	1.943	+.002 / -.002	0.125	+.002 / -.000	7.05
169G02500125	2.500	+.003 / -.000	2.500	0.067 - 0.073	0.116 - 0.121	-139	2.193	+.002 / -.002	0.125	+.002 / -.000	7.25
169G02750125	2.750	+.003 / -.000	2.750	0.067 - 0.073	0.116 - 0.121	-143	2.443	+.002 / -.002	0.125	+.002 / -.000	8.50
169G03000281	3.000	+.004 / -.000	3.000	0.087 - 0.093	0.269 - 0.274	-333	2.443	+.002 / -.002	0.281	+.002 / -.000	9.10
169G03250281	3.250	+.004 / -.000	3.250	0.087 - 0.093	0.269 - 0.274	-335	2.695	+.002 / -.002	0.281	+.002 / -.000	10.80
169G03500281	3.500	+.004 / -.000	3.500	0.087 - 0.093	0.269 - 0.274	-337	2.945	+.002 / -.002	0.281	+.002 / -.000	11.90
169G03750281	3.750	+.004 / -.000	3.750	0.087 - 0.093	0.269 - 0.274	-339	3.195	+.002 / -.002	0.281	+.002 / -.000	13.55
169G04000281	4.000	+.004 / -.000	4.000	0.087 - 0.093	0.269 - 0.274	-341	3.445	+.002 / -.002	0.281	+.002 / -.000	15.00
169G04250281	4.250	+.004 / -.000	4.250	0.087 - 0.093	0.269 - 0.274	-343	3.695	+.002 / -.002	0.281	+.002 / -.000	17.35
169G04500281	4.500	+.004 / -.000	4.500	0.087 - 0.093	0.269 - 0.274	-345	3.945	+.002 / -.002	0.281	+.002 / -.000	18.20
169G04750281	4.750	+.004 / -.000	4.750	0.087 - 0.093	0.269 - 0.274	-347	4.195	+.002 / -.002	0.281	+.002 / -.000	18.80
169G05000281	5.000	+.004 / -.000	5.000	0.087 - 0.093	0.269 - 0.274	-349	4.445	+.002 / -.002	0.281	+.002 / -.000	19.60
169G05250375	5.250	+.004 / -.000	5.250	0.137 - 0.147	0.362 - 0.367	-425	4.488	+.002 / -.002	0.375	+.005 / -.000	23.15

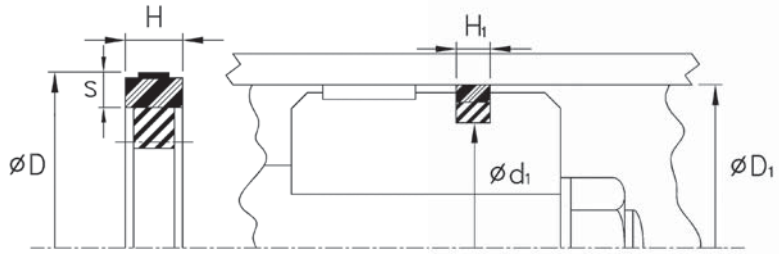


Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
169G05500375	5.500	+.004 / -.000	5.500	0.137 - 0.147	0.362 - 0.367	-427	4.738	+.002 / -.002	0.375	+.005 / -.000	25.85
169G05750375	5.750	+.004 / -.000	5.750	0.137 - 0.147	0.362 - 0.367	-429	4.988	+.002 / -.002	0.375	+.005 / -.000	28.35
169G06000375	6.000	+.004 / -.000	6.000	0.137 - 0.147	0.362 - 0.367	-431	5.238	+.002 / -.002	0.375	+.005 / -.000	29.95
169G06250375	6.250	+.004 / -.000	6.250	0.137 - 0.147	0.362 - 0.367	-433	5.488	+.002 / -.002	0.375	+.005 / -.000	30.25
169G06500375	6.500	+.004 / -.000	6.500	0.137 - 0.147	0.362 - 0.367	-435	5.738	+.002 / -.002	0.375	+.005 / -.000	30.50
169G07000375	7.000	+.005 / -.000	7.000	0.137 - 0.147	0.362 - 0.367	-438	6.238	+.002 / -.002	0.375	+.005 / -.000	30.80
169G07500375	7.500	+.005 / -.000	7.500	0.137 - 0.147	0.362 - 0.367	-440	6.738	+.002 / -.002	0.375	+.005 / -.000	30.85
169G08000375	8.000	+.005 / -.000	8.000	0.137 - 0.147	0.362 - 0.367	-442	7.238	+.002 / -.002	0.375	+.005 / -.000	34.40
169G08250375	8.250	+.005 / -.000	8.250	0.137 - 0.147	0.362 - 0.367	-443	7.488	+.002 / -.002	0.375	+.005 / -.000	36.65
169G08500375	8.500	+.005 / -.000	8.500	0.137 - 0.147	0.362 - 0.367	-444	7.738	+.002 / -.002	0.375	+.005 / -.000	38.90
169G09000375	9.000	+.005 / -.000	9.000	0.195 - 0.210	0.362 - 0.367	-445	8.122	+.002 / -.002	0.375	+.005 / -.000	46.00
169G09500375	9.500	+.005 / -.000	9.500	0.195 - 0.210	0.362 - 0.367	-446	8.622	+.002 / -.002	0.375	+.005 / -.000	52.35
169G10000375	10.000	+.005 / -.000	10.000	0.195 - 0.210	0.362 - 0.367	-447	9.122	+.002 / -.002	0.375	+.005 / -.000	52.65
169G11000375	11.000	+.006 / -.000	11.000	0.195 - 0.210	0.362 - 0.367	-449	10.122	+.002 / -.002	0.375	+.005 / -.000	116.60
169G12000375	12.000	+.006 / -.000	12.000	0.195 - 0.210	0.362 - 0.367	-451	11.122	+.002 / -.002	0.375	+.005 / -.000	120.95
169G13000375	13.000	+.006 / -.000	13.000	0.195 - 0.210	0.362 - 0.367	-453	12.122	+.002 / -.002	0.375	+.005 / -.000	123.75
169G14000375	14.000	+.006 / -.000	14.000	0.195 - 0.210	0.362 - 0.367	-455	13.122	+.002 / -.002	0.375	+.005 / -.000	131.20

169U - Piston Seals

Polyester/Nitrile





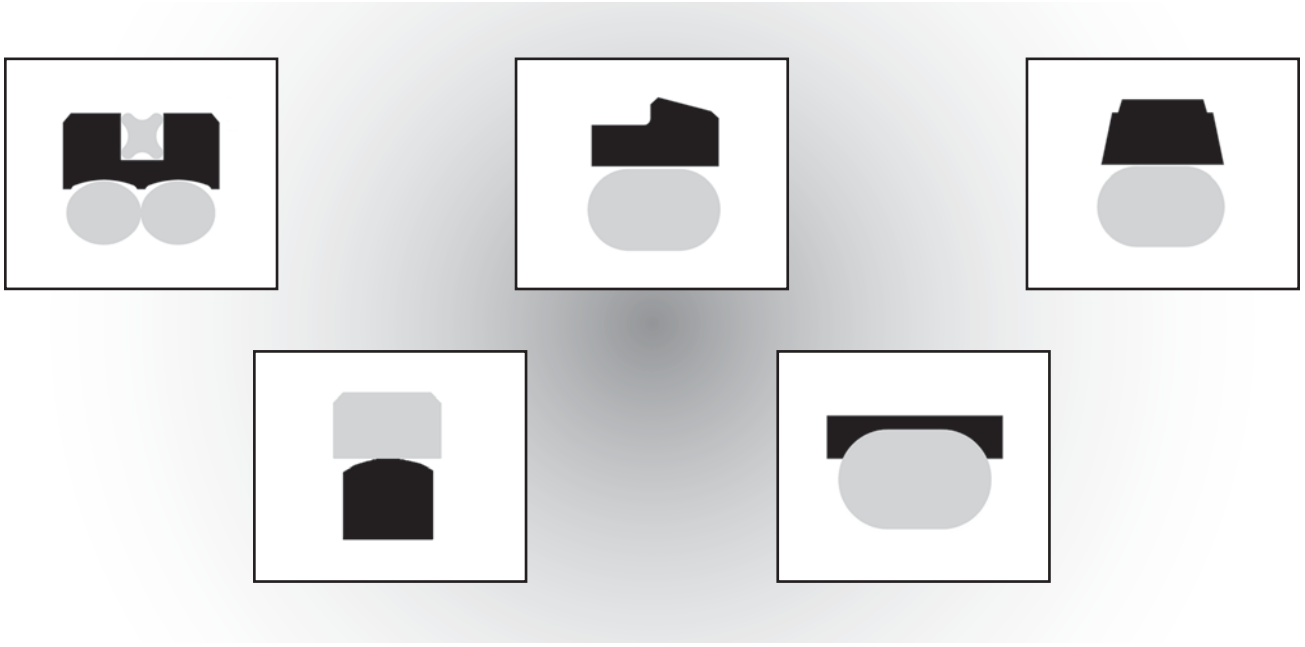
Temperature: -40/220F [-40/104C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
169U01000125	1.000	+.003 / -.000	1.000	0.067 - 0.073	0.116 - 0.121	-115	0.692	+.002 / -.002	0.125	+.002 / -.000	6.30
169U01250125	1.250	+.003 / -.000	1.250	0.067 - 0.073	0.116 - 0.121	-119	0.942	+.002 / -.002	0.125	+.002 / -.000	6.40
169U01500125	1.500	+.003 / -.000	1.500	0.067 - 0.073	0.116 - 0.121	-123	1.192	+.002 / -.002	0.125	+.002 / -.000	6.45
169U01750125	1.750	+.003 / -.000	1.750	0.067 - 0.073	0.116 - 0.121	-127	1.443	+.002 / -.002	0.125	+.002 / -.000	6.70
169U02000125	2.000	+.003 / -.000	2.000	0.067 - 0.073	0.116 - 0.121	-131	1.693	+.002 / -.002	0.125	+.002 / -.000	6.95
169U02250125	2.250	+.003 / -.000	2.250	0.067 - 0.073	0.116 - 0.121	-135	1.943	+.002 / -.002	0.125	+.002 / -.000	7.30
169U02500125	2.500	+.003 / -.000	2.500	0.067 - 0.073	0.116 - 0.121	-139	2.193	+.002 / -.002	0.125	+.002 / -.000	7.60
169U02750125	2.750	+.003 / -.000	2.750	0.067 - 0.073	0.116 - 0.121	-143	2.443	+.002 / -.002	0.125	+.002 / -.000	7.80
169U03000281	3.000	+.004 / -.000	3.000	0.087 - 0.093	0.269 - 0.274	-333	2.443	+.002 / -.002	0.281	+.002 / -.000	9.55
169U03250281	3.250	+.004 / -.000	3.250	0.087 - 0.093	0.269 - 0.274	-335	2.695	+.002 / -.002	0.281	+.002 / -.000	11.30
169U03500281	3.500	+.004 / -.000	3.500	0.087 - 0.093	0.269 - 0.274	-337	2.945	+.002 / -.002	0.281	+.002 / -.000	11.50
169U03750281	3.750	+.004 / -.000	3.750	0.087 - 0.093	0.269 - 0.274	-339	3.195	+.002 / -.002	0.281	+.002 / -.000	11.70

169U SERIES - POLYESTER/NITRILE

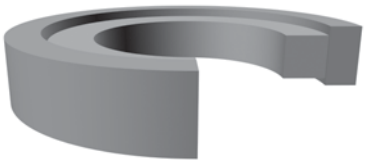
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
169U04000281	4.000	+.004 / -.000	4.000	0.087 - 0.093	0.269 - 0.274	-341	3.445	+.002 / -.002	0.281	+.002 / -.000	11.95
169U04250281	4.250	+.004 / -.000	4.250	0.087 - 0.093	0.269 - 0.274	-343	3.695	+.002 / -.002	0.281	+.002 / -.000	12.00
169U04500281	4.500	+.004 / -.000	4.500	0.087 - 0.093	0.269 - 0.274	-345	3.945	+.002 / -.002	0.281	+.002 / -.000	12.45
169U04750281	4.750	+.004 / -.000	4.750	0.087 - 0.093	0.269 - 0.274	-347	4.195	+.002 / -.002	0.281	+.002 / -.000	13.25
169U05000281	5.000	+.004 / -.000	5.000	0.087 - 0.093	0.269 - 0.274	-349	4.445	+.002 / -.002	0.281	+.002 / -.000	14.70
169U05250375	5.250	+.004 / -.000	5.250	0.137 - 0.147	0.362 - 0.367	-425	4.488	+.002 / -.002	0.375	+.005 / -.000	20.60
169U05500375	5.500	+.004 / -.000	5.500	0.137 - 0.147	0.362 - 0.367	-427	4.738	+.002 / -.002	0.375	+.005 / -.000	21.15
169U05750375	5.750	+ .004 / -.000	5.750	0.137 - 0.147	0.362 - 0.367	-429	4.988	+.002 / -.002	0.375	+.005 / -.000	21.80
169U06000375	6.000	+.004 / -.000	6.000	0.137 - 0.147	0.362 - 0.367	-431	5.238	+.002 / -.002	0.375	+.005 / -.000	22.00
169U06250375	6.250	+.004 / -.000	6.250	0.137 - 0.147	0.362 - 0.367	-433	5.488	+.002 / -.002	0.375	+.005 / -.000	22.80
169U06500375	6.500	+.004 / -.000	6.500	0.137 - 0.147	0.362 - 0.367	-435	5.738	+.002 / -.002	0.375	+.005 / -.000	23.35
169U07000375	7.000	+.005 / -.000	7.000	0.137 - 0.147	0.362 - 0.367	-438	6.238	+.002 / -.002	0.375	+.005 / -.000	23.70
169U07250375	7.250	+.005 / -.000	7.250	0.137 - 0.147	0.362 - 0.367	-439	6.504	+.002 / -.002	0.375	+.005 / -.000	24.80
169U07500375	7.500	+.005 / -.000	7.500	0.137 - 0.147	0.362 - 0.367	-440	6.738	+.002 / -.002	0.375	+.005 / -.000	25.20
169U08000375	8.000	+.005 / -.000	8.000	0.137 - 0.147	0.362 - 0.367	-442	7.238	+.002 / -.002	0.375	+.005 / -.000	25.60
169U08500375	8.500	+.005 / -.000	8.500	0.137 - 0.147	0.362 - 0.367	-444	7.738	+.002 / -.002	0.375	+.005 / -.000	28.60
169U09000375	9.000	+.005 / -.000	9.000	0.195 - 0.210	0.362 - 0.367	-445	8.122	+.002 / -.002	0.375	+.005 / -.000	54.70
169U09500375	9.500	+.005 / -.000	9.500	0.195 - 0.210	0.362 - 0.367	-446	8.622	+.002 / -.002	0.375	+.005 / -.000	61.35
169U10000375	10.000	+.005 / -.000	10.000	0.195 - 0.210	0.362 - 0.367	-447	9.122	+.002 / -.002	0.375	+.005 / -.000	66.75

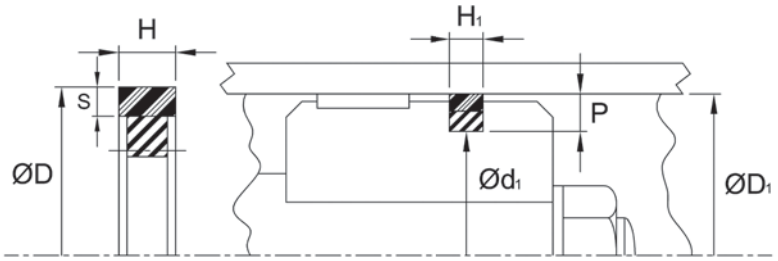
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



CAT TYPE-1 - Piston Seals

PTFE/Nitrile





Temperature: -65/225F [-54/107C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
RCAT-3E4277	1.000	+.003 / -.000	1.000				0.691	+.003 / -.003	0.129	+.002 / -.002	9.85
RCAT-3E4278	1.250	+.003 / -.000	1.250				0.941	+.003 / -.003	0.129	+.002 / -.002	10.15
RCAT-5J9822	1.500	+.003 / -.000	1.500				1.106	+.003 / -.003	0.118	+.002 / -.002	10.70
RCAT-3E4279	1.750	+.003 / -.000	1.750				1.441	+.003 / -.003	0.129	+.002 / -.002	11.35
RCAT-5J7004	2.000	+.003 / -.000	2.000				1.625	+.003 / -.003	0.192	+.002 / -.002	11.70
RCAT-1U3998	2.250	+.003 / -.000	2.250				1.875	+.003 / -.003	0.192	+.002 / -.002	12.45
RCAT-8J6213	2.500	+.003 / -.000	2.500				2.125	+.003 / -.003	0.192	+.002 / -.002	13.30
RCAT-5J7010	2.750	+.003 / -.000	2.750				2.375	+.003 / -.003	0.192	+.002 / -.002	14.65
RCAT-6J1972	3.000	+.004 / -.000	3.000				2.460	+.003 / -.003	0.192	+.002 / -.002	15.00
RCAT-6J0793	3.250	+.004 / -.000	3.250				2.710	+.003 / -.003	0.192	+.002 / -.002	15.75
RCAT-5J7013	3.500	+.004 / -.000	3.500				2.960	+.003 / -.003	0.192	+.002 / -.002	16.70
RCAT-5J8011	3.750	+.004 / -.000	3.750				3.210	+.003 / -.003	0.192	+.002 / -.002	17.65
RCAT-9J9872	4.000	+.004 / -.000	4.000				3.210	+.003 / -.003	0.192	+.002 / -.002	20.25
RCAT-5J5402	4.000	+.004 / -.000	4.000				3.335	+.003 / -.003	0.252	+.002 / -.002	19.50
RCAT-7J2032	4.000	+.004 / -.000	4.000				3.482	+.003 / -.003	0.252	+.002 / -.002	0/R
RCAT-4T0529	4.125	+.004 / -.000	4.125				3.460	+.003 / -.003	0.252	+.002 / -.002	20.95
RCAT-5J7854	4.250	+.004 / -.000	4.250				3.585	+.003 / -.003	0.252	+.002 / -.002	21.70
RCAT-5J4986	4.500	+.004 / -.000	4.500				3.835	+.003 / -.003	0.252	+.002 / -.002	24.10
RCAT-5J4987	4.750	+.004 / -.000	4.750				4.090	+.003 / -.003	0.252	+.002 / -.002	27.45
RCAT-9X7542	4.750	+.004 / -.000	4.750				4.090	+.003 / -.003	0.252	+.002 / -.002	28.70
RCAT-5J5020	5.000	+.004 / -.000	5.000				4.225	+.003 / -.003	0.379	+.002 / -.002	29.60
RCAT-5J7234	5.250	+.004 / -.000	5.250				4.480	+.003 / -.003	0.379	+.002 / -.002	34.65
RCAT-5J4988	5.500	+.004 / -.000	5.500				4.725	+.003 / -.003	0.379	+.002 / -.002	35.25
RCAT-9J4981	5.750	+.004 / -.000	5.750				4.975	+.003 / -.003	0.379	+.002 / -.002	36.60
RCAT-5J4989	6.000	+.004 / -.000	6.000				5.095	+.003 / -.003	0.379	+.002 / -.002	37.10
RCAT-5J4990	6.250	+.004 / -.000	6.250				5.345	+.003 / -.003	0.379	+.002 / -.002	38.40
RCAT-5J4991	6.500	+.004 / -.000	6.500				5.595	+.003 / -.003	0.379	+.002 / -.002	39.85
RCAT-5J4997	7.000	+.005 / -.000	7.000				6.095	+.003 / -.003	0.379	+.002 / -.002	41.65
RCAT-5J4993	7.250	+.005 / -.000	7.250				6.345	+.003 / -.003	0.379	+.002 / -.002	43.40
RCAT-9J7117	7.500	+.005 / -.000	7.500				6.595	+.003 / -.003	0.379	+.002 / -.002	45.35
RCAT-5J7016	7.750	+.005 / -.000	7.750				6.845	+.003 / -.003	0.379	+.002 / -.002	47.25
RCAT-3E4280	8.000	+.005 / -.000	8.000				7.254	+.003 / -.003	0.379	+.002 / -.002	49.30
RCAT-5J5559	8.250	+.005 / -.000	8.250				7.255	+.003 / -.003	0.379	+.002 / -.002	51.85
RCAT-6J9385	8.500	+.005 / -.000	8.500				7.505	+.003 / -.003	0.379	+.002 / -.002	53.65
RCAT-3E4281	9.000	+.005 / -.000	9.000				8.137	+.003 / -.003	0.379	+.002 / -.002	0/R
RCAT-8T6923	9.500	+.006 / -.000	9.500				8.380	+.003 / -.003	0.440	+.002 / -.002	0/R

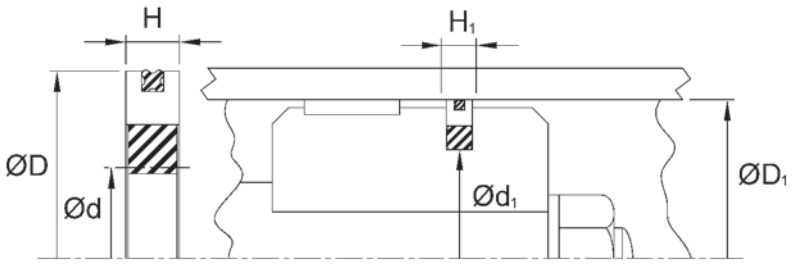
CAT TYPE 1 SERIES - CAT X-REF - PTFE/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
RCAT-3E4282	9.500	+.005 / -.000	9.500				8.637	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-1214179	10.000	+.005 / -.000	10.000				8.880	+.003 / -.003	0.440	+.002 / -.002	O/R
RCAT-5J6762	10.500	+.005 / -.000	10.500				9.380	+.003 / -.003	0.440	+.002 / -.002	O/R
RCAT-6E0253	11.000	+.006 / -.000	11.000				9.880	+.003 / -.003	0.440	+.002 / -.002	O/R

AQ - Piston Seals

BR.PTFE/Nitrile





Temperature: -40/225F [-40/107C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions					Housing Dimensions				$
		Tol.	D	d	H	EXP.	Q-Ring	d1	Tol.	H1	Tol.	
AQ-01000	1.000	+.003 / -.000	1.000	0.576	0.200	-207	-020	0.576	+.000 / -.004	0.210	+.005 / -.000	25.85
AQ-01125	1.125	+.003 / -.000	1.125	0.701	0.200	-209	-022	0.701	+.000 / -.004	0.210	+.005 / -.000	27.55
AQ-01250	1.250	+.003 / -.000	1.250	0.826	0.200	-211	-024	0.826	+.000 / -.004	0.210	+.005 / -.000	29.25
AQ-01375	1.375	+.003 / -.000	1.375	0.951	0.200	-213	-026	0.951	+.000 / -.004	0.210	+.005 / -.000	31.25
AQ-01500	1.500	+.003 / -.000	1.500	1.076	0.200	-215	-028	1.076	+.000 / -.004	0.210	+.005 / -.000	33.00
AQ-01625	1.625	+.003 / -.000	1.625	1.201	0.200	-217	-030	1.201	+.000 / -.004	0.210	+.005 / -.000	34.70
AQ-01750	1.750	+.003 / -.000	1.750	1.326	0.200	-219	-032	1.326	+.000 / -.004	0.210	+.005 / -.000	36.55
AQ-01875	1.875	+.003 / -.000	1.875	1.451	0.200	-221	-034	1.451	+.000 / -.006	0.210	+.005 / -.000	38.25
AQ-02000	2.000	+.003 / -.000	2.000	1.384	0.271	-324	-133	1.384	+.000 / -.006	0.288	+.005 / -.000	40.05
AQ-02125	2.125	+.003 / -.000	2.125	1.509	0.271	-325	-135	1.509	+.000 / -.006	0.288	+.005 / -.000	41.85
AQ-02250	2.250	+.003 / -.000	2.250	1.634	0.271	-326	-137	1.634	+.000 / -.006	0.288	+.005 / -.000	43.50
AQ-02375	2.375	+.003 / -.000	2.375	1.759	0.271	-327	-139	1.759	+.000 / -.006	0.288	+.005 / -.000	45.20
AQ-02500	2.500	+.003 / -.000	2.500	1.884	0.271	-328	-141	1.884	+.000 / -.006	0.288	+.005 / -.000	47.20
AQ-02625	2.625	+.003 / -.000	2.625	2.009	0.271	-329	-143	2.009	+.000 / -.006	0.288	+.005 / -.000	49.50
AQ-02750	2.750	+.003 / -.000	2.750	2.134	0.271	-330	-145	2.134	+.000 / -.006	0.288	+.005 / -.000	50.65
AQ-02875	2.875	+.003 / -.000	2.875	2.259	0.271	-331	-147	2.259	+.000 / -.006	0.288	+.005 / -.000	52.20
AQ-03000	3.000	+.004 / -.000	3.000	2.384	0.271	-332	-149	2.384	+.000 / -.006	0.288	+.005 / -.000	54.35
AQ-03125	3.125	+.004 / -.000	3.125	2.509	0.271	-333	-150	2.509	+.000 / -.006	0.288	+.005 / -.000	55.35
AQ-03250	3.250	+.004 / -.000	3.250	2.634	0.271	-334	-151	2.634	+.000 / -.006	0.288	+.005 / -.000	56.30
AQ-03375	3.375	+.004 / -.000	3.375	2.759	0.271	-335	-151	2.759	+.000 / -.006	0.288	+.005 / -.000	57.25
AQ-03500	3.500	+.004 / -.000	3.500	2.884	0.271	-336	-152	2.884	+.000 / -.006	0.288	+.005 / -.000	58.10
AQ-03625	3.625	+.004 / -.000	3.625	3.009	0.271	-337	-152	3.009	+.000 / -.006	0.288	+.005 / -.000	59.10
AQ-03750	3.750	+.004 / -.000	3.750	3.134	0.271	-338	-153	3.134	+.000 / -.006	0.288	+.005 / -.000	59.80
AQ-03875	3.875	+.004 / -.000	3.875	3.259	0.271	-339	-153	3.259	+.000 / -.006	0.288	+.005 / -.000	61.05

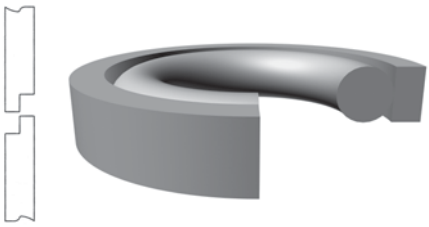
Ref.Number	Bore diameter		Nominal Seal Dimensions					Housing Dimensions				$
		Tol.	D	d	H	EXP.	Q-Ring	d1	Tol.	H1	Tol.	
AQ-04000	4.000	+.004 / -.000	4.000	3.384	0.271	-340	-154	3.384	+.000 / -.006	0.288	+.005 / -.000	61.75
AQ-04125	4.125	+.004 / -.000	4.125	3.509	0.271	-341	-154	3.509	+.000 / -.006	0.288	+.005 / -.000	64.30
AQ-04250	4.250	+.004 / -.000	4.250	3.634	0.271	-342	-155	3.634	+.000 / -.006	0.288	+.005 / -.000	66.25
AQ-04375	4.375	+.004 / -.000	4.375	3.759	0.271	-343	-155	3.759	+.000 / -.006	0.288	+.005 / -.000	68.75
AQ-04500	4.500	+.004 / -.000	4.500	3.884	0.271	-344	-156	3.884	+.000 / -.006	0.288	+.005 / -.000	71.15
AQ-04625	4.625	+.004 / -.000	4.625	4.009	0.271	-345	-156	4.009	+.000 / -.006	0.288	+.005 / -.000	72.85
AQ-04750	4.750	+.004 / -.000	4.750	4.134	0.271	-346	-157	4.134	+.000 / -.007	0.288	+.005 / -.000	74.60
AQ-04875	4.875	+.004 / -.000	4.875	4.259	0.271	-347	-157	4.259	+.000 / -.007	0.288	+.005 / -.000	76.30
AQ-05000	5.000	+.004 / -.000	5.000	4.384	0.271	-348	-158	4.384	+.000 / -.007	0.288	+.005 / -.000	78.30
AQ-05125	5.125	+.004 / -.000	5.125	4.509	0.271	-349	-158	4.509	+.000 / -.007	0.288	+.005 / -.000	81.75
AQ-05250	5.250	+.004 / -.000	5.250	4.634	0.271	-350	-159	4.634	+.000 / -.007	0.288	+.005 / -.000	84.85
AQ-05375	5.375	+.004 / -.000	5.375	4.535	0.352	-425	-251	4.535	+.000 / -.007	0.375	+.005 / -.000	88.60
AQ-05500	5.500	+.004 / -.000	5.500	4.660	0.352	-426	-252	4.660	+.000 / -.007	0.375	+.005 / -.000	90.10
AQ-05625	5.625	+.004 / -.000	5.625	4.785	0.352	-427	-253	4.785	+.000 / -.007	0.375	+.005 / -.000	92.50
AQ-05750	5.750	+.004 / -.000	5.750	4.910	0.352	-428	-254	4.910	+.000 / -.007	0.375	+.005 / -.000	94.80
AQ-05875	5.875	+.004 / -.000	5.875	5.035	0.352	-429	-255	5.035	+.000 / -.007	0.375	+.005 / -.000	97.30
AQ-06000	6.000	+.004 / -.000	6.000	5.160	0.352	-430	-256	5.160	+.000 / -.007	0.375	+.005 / -.000	99.70
AQ-06125	6.125	+.004 / -.000	6.125	5.285	0.352	-431	-257	5.285	+.000 / -.007	0.375	+.005 / -.000	101.45
AQ-06250	6.250	+.004 / -.000	6.250	5.415	0.352	-432	-258	5.415	+.000 / -.007	0.375	+.005 / -.000	103.30
AQ-06375	6.375	+.004 / -.000	6.375	5.540	0.352	-433	-258	5.540	+.000 / -.007	0.375	+.005 / -.000	105.15
AQ-06500	6.500	+.004 / -.000	6.500	5.665	0.352	-434	-259	5.665	+.000 / -.007	0.375	+.005 / -.000	106.85
AQ-06625	6.625	+.004 / -.000	6.625	5.795	0.352	-435	-259	5.795	+.000 / -.007	0.375	+.005 / -.000	109.75
AQ-06750	6.750	+.005 / -.000	6.750	5.920	0.352	-436	-260	5.920	+.000 / -.007	0.375	+.005 / -.000	112.65
AQ-06875	6.875	+.005 / -.000	6.875	6.045	0.352	-437	-260	6.045	+.000 / -.007	0.375	+.005 / -.000	115.70
AQ-07000	7.000	+.005 / -.000	7.000	6.170	0.352	-437	-261	6.170	+.000 / -.009	0.375	+.005 / -.000	118.40
AQ-07250	7.250	+.005 / -.000	7.250	6.420	0.352	-438	-262	6.420	+.000 / -.009	0.375	+.005 / -.000	121.20
AQ-07500	7.500	+.005 / -.000	7.500	6.670	0.352	-439	-263	6.670	+.000 / -.009	0.375	+.005 / -.000	123.45
AQ-07750	7.750	+.005 / -.000	7.750	6.915	0.352	-440	-264	6.915	+.000 / -.009	0.375	+.005 / -.000	127.05
AQ-08000	8.000	+.005 / -.000	8.000	7.170	0.352	-441	-265	7.170	+.000 / -.009	0.375	+.005 / -.000	133.90
AQ-08250	8.250	+.005 / -.000	8.250	7.415	0.352	-442	-266	7.415	+.000 / -.009	0.375	+.005 / -.000	136.85
AQ-08500	8.500	+.005 / -.000	8.500	7.665	0.352	-443	-267	7.665	+.000 / -.009	0.375	+.005 / -.000	138.20
AQ-08750	8.750	+.005 / -.000	8.750	7.915	0.352	-444	-268	7.915	+.000 / -.009	0.375	+.005 / -.000	140.15
AQ-09000	9.000	+.005 / -.000	9.000	8.165	0.352	-445	-269	8.165	+.000 / -.009	0.375	+.005 / -.000	147.30
AQ-09250	9.250	+.005 / -.000	9.250	8.420	0.352	-445	-270	8.420	+.000 / -.009	0.375	+.005 / -.000	150.85
AQ-09500	9.500	+.005 / -.000	9.500	8.665	0.352	-446	-271	8.665	+.000 / -.009	0.375	+.005 / -.000	154.35
AQ-09750	9.750	+.005 / -.000	9.750	8.920	0.352	-446	-272	8.920	+.000 / -.009	0.375	+.005 / -.000	157.95
AQ-10000	10.000	+.005 / -.000	10.000	9.165	0.352	-447	-273	9.165	+.000 / -.009	0.375	+.005 / -.000	161.50
AQ-10250	10.250	+.005 / -.000	10.250	9.340	0.352	-447	-274	9.340	+.000 / -.011	0.375	+.005 / -.000	181.60
AQ-10500	10.500	+.005 / -.000	10.500	9.580	0.352	-448	-274	9.580	+.000 / -.011	0.375	+.005 / -.000	201.95
AQ-10750	10.750	+.005 / -.000	10.750	9.840	0.352	-448	-275	9.840	+.000 / -.011	0.375	+.005 / -.000	209.10
AQ-11000	11.000	+.006 / -.000	11.000	10.080	0.352	-449	-275	10.080	+.000 / -.011	0.375	+.005 / -.000	216.20
AQ-11250	11.250	+.006 / -.000	11.250	10.340	0.352	-449	-276	10.340	+.000 / -.011	0.375	+.005 / -.000	223.25
AQ-11500	11.500	+.006 / -.000	11.500	10.580	0.352	-450	-276	10.580	+.000 / -.011	0.375	+.005 / -.000	230.45
AQ-11750	11.750	+.006 / -.000	11.750	10.840	0.352	-450	-277	10.840	+.000 / -.011	0.375	+.005 / -.000	236.40
AQ-12000	12.000	+.006 / -.000	12.000	11.080	0.352	-451	-277	11.080	+.000 / -.011	0.375	+.005 / -.000	242.40
AQ-12250	12.250	+.006 / -.000	12.250	11.340	0.352	-451	-278	11.340	+.000 / -.011	0.375	+.005 / -.000	248.35
AQ-12500	12.500	+.006 / -.000	12.500	11.580	0.352	-452	-278	11.580	+.000 / -.011	0.375	+.005 / -.000	254.30
AQ-12750	12.750	+.006 / -.000	12.750	11.840	0.352	-452	-278	11.840	+.000 / -.011	0.375	+.005 / -.000	260.30

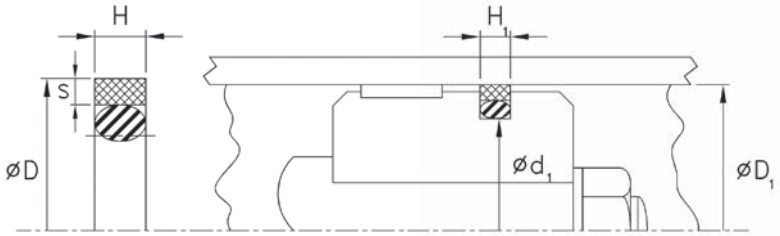
AQ SERIES - BR.PTFE/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions					Housing Dimensions				$
		Tol.	D	d	H	EXP.	Q-Ring	d1	Tol.	H1	Tol.	
AQ-13000	13.000	+.006 / -.000	13.000	12.080	0.352	-453	-278	12.080	+.000 / -.011	0.375	+.005 / -.000	266.25
AQ-13250	13.250	+.006 / -.000	13.250	12.335	0.352	-453	-279	12.335	+.000 / -.011	0.375	+.005 / -.000	272.25
AQ-13500	13.500	+.006 / -.000	13.500	12.580	0.352	-454	-279	12.580	+.000 / -.011	0.375	+.005 / -.000	278.15
AQ-13750	13.750	+.006 / -.000	13.750	12.840	0.352	-454	-279	12.840	+.000 / -.011	0.375	+.005 / -.000	284.10
AQ-14000	14.000	+.006 / -.000	14.000	13.080	0.352	-455	-279	13.080	+.000 / -.011	0.375	+.005 / -.000	290.10

C914 - Piston Seals

Nylon/Nitrile (Step Cut)





Temperature: -40/275F [-40/135C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
C91402000281NS	2.000	+.003 / -.000	2.000		0.105	0.281	1.462	+.000 / -.005	0.281	+.005 / -.000	34.95
C914020003120S	2.000	+.003 / -.000	2.000		0.125	0.312	1.408	+.000 / -.005	0.312	+.005 / -.000	62.95
C91402500281NS	2.500	+.003 / -.000	2.500		0.105	0.281	1.962	+.000 / -.005	0.281	+.005 / -.000	40.65
C914025003120S	2.500	+.003 / -.000	2.500		0.125	0.312	1.908	+.000 / -.005	0.312	+.005 / -.000	45.55
C91402750281NS	2.750	+.003 / -.000	2.750		0.125	0.281	2.212	+.000 / -.005	0.281	+.005 / -.000	O/R
C91403000281NS	3.000	+.004 / -.000	3.000		0.125	0.281	2.442	+.000 / -.005	0.281	+.005 / -.000	46.25
C914030003120S	3.000	+.004 / -.000	3.000		0.125	0.312	2.408	+.000 / -.005	0.312	+.005 / -.000	46.45
C91403250281NS	3.250	+.004 / -.000	3.250		0.125	0.281	2.692	+.000 / -.005	0.281	+.005 / -.000	O/R
C91403500281NS	3.500	+.004 / -.000	3.500		0.125	0.281	2.942	+.000 / -.005	0.281	+.005 / -.000	54.25
C914035003120S	3.500	+.004 / -.000	3.500		0.125	0.312	2.908	+.000 / -.005	0.312	+.005 / -.000	56.30
C91404000281NS	4.000	+.004 / -.000	4.000		0.125	0.281	3.442	+.000 / -.005	0.281	+.005 / -.000	56.85
C914040003120S	4.000	+.004 / -.000	4.000		0.125	0.312	3.408	+.000 / -.005	0.312	+.005 / -.000	58.95
C91404500281NS	4.500	+.004 / -.000	4.500		0.125	0.281	3.942	+.000 / -.005	0.281	+.005 / -.000	62.90
C914045003120S	4.500	+.004 / -.000	4.500		0.125	0.312	3.908	+.000 / -.005	0.312	+.005 / -.000	62.90
C91405000281NS	5.000	+.004 / -.000	5.000		0.125	0.281	4.442	+.000 / -.005	0.281	+.005 / -.000	63.45
C914050003750S	5.000	+.004 / -.000	5.000		0.125	0.375	4.240	+.000 / -.005	0.375	+.005 / -.000	74.00
C91405500375	5.500	+.004 / -.000	5.500		0.125	0.375	4.740	+.000 / -.005	0.375	+.005 / -.000	74.35
C91406000375	6.000	+.004 / -.000	6.000		0.125	0.375	5.240	+.000 / -.005	0.375	+.005 / -.000	78.50
C91406500375	6.500	+.004 / -.000	6.500		0.125	0.375	5.740	+.000 / -.005	0.375	+.005 / -.000	79.10
C91407000375	7.000	+.005 / -.000	7.000		0.125	0.375	6.240	+.000 / -.005	0.375	+.005 / -.000	79.45

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C914 SERIES - NYLON/NBR (STEP CUT)

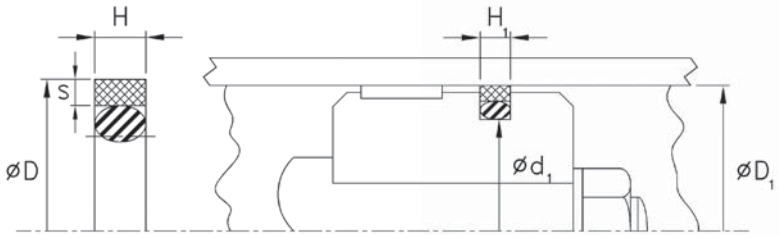
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
C91407500375	7.500	+.005 / -.000	7.500		0.125	0.375	6.740	+.000 / -.005	0.375	+.005 / -.000	81.05
C91408000375	8.000	+.005 / -.000	8.000		0.125	0.375	7.240	+.000 / -.005	0.375	+.005 / -.000	81.90
C91408500375NS	8.500	+.005 / -.000	8.500		0.125	0.375	7.740	+.000 / -.005	0.375	+.005 / -.000	86.05
C914085003750S	8.500	+.005 / -.000	8.500		0.187	0.375	7.624	+.000 / -.005	0.375	+.005 / -.000	110.35
C91409000375	9.000	+.005 / -.000	9.000		0.187	0.375	8.124	+.000 / -.005	0.375	+.005 / -.000	145.15
C91409500375	9.500	+.005 / -.000	9.500		0.187	0.375	8.624	+.000 / -.005	0.375	+.005 / -.000	152.75
C91410000375	10.000	+.005 / -.000	10.000		0.187	0.375	9.124	+.000 / -.005	0.375	+.005 / -.000	163.95
C91410500375	10.500	+.005 / -.000	10.500		0.187	0.375	9.624	+.000 / -.005	0.375	+.005 / -.000	273.60
C91411000375	11.000	+.006 / -.000	11.000		0.187	0.375	10.124	+.000 / -.005	0.375	+.005 / -.000	274.75
C91412000375	12.000	+.006 / -.000	12.000		0.187	0.375	11.124	+.000 / -.005	0.375	+.005 / -.000	309.95

CAT TYPE-3 SERIES - CAT X-REF - NYLON/NBR (STEP CUT)

CAT TYPE-3 - Piston Seals

Nylon/Nitrile (Step Cut)





Temperature: -40/275F [-40/135C] **Pressure: 5000 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RCAT-8C9170	2.000	+.003 / -.000	2.000				1.630	+.003 / -.003	0.190	+.002 / -.002	O/R
RCAT-8C4905	2.280	+.003 / -.000	2.280				1.875	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C4908	2.310	+.003 / -.000	2.310				1.875	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C9167	2.500	+.003 / -.000	2.500				2.130	+.003 / -.003	0.190	+.002 / -.002	O/R
RCAT-8C4911	2.530	+.003 / -.000	2.530				2.125	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C4914	2.560	+.003 / -.000	2.560				2.125	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C4917	2.780	+.003 / -.000	2.780				2.375	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C4920	2.810	+.003 / -.000	2.810				2.375	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-9X7337	3.000	+.004 / -.000	3.000				2.460	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8T8209	3.030	+.004 / -.000	3.030				2.460	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8T8212	3.060	+.004 / -.000	3.060				2.460	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C4923	3.280	+.004 / -.000	3.280				2.710	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C4926	3.310	+.004 / -.000	3.310				2.710	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-4T8054	3.500	+.004 / -.000	3.500				2.960	+.003 / -.003	0.192	+.002 / -.002	51.15
RCAT-8T8215	3.530	+.004 / -.000	3.530				2.960	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8T8218	3.560	+.004 / -.000	3.560				2.960	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-9X7274	3.750	+.004 / -.000	3.750				3.210	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8T8221	3.780	+.004 / -.000	3.780				3.210	+.003 / -.003	0.192	+.002 / -.002	O/R

CAT TYPE-3 SERIES - CAT X-REF - NYLON/NBR (STEP CUT)

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RCAT-8T8224	3.810	+.004 / -.000	3.810				3.210	+.003 / -.003	0.192	+.002 / -.002	O/R
RCAT-8C9160	4.000	+.004 / -.000	4.000				3.335	+.003 / -.003	0.252	+.002 / -.002	57.90
RCAT-8T8227	4.030	+.004 / -.000	4.030				3.335	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-8T8230	4.060	+.004 / -.000	4.060				3.335	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-8C9164	4.250	+.004 / -.000	4.250				3.585	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-8T8233	4.280	+.004 / -.000	4.280				3.585	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-8T8236	4.310	+.004 / -.000	4.310				3.585	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-9X7269	4.500	+.004 / -.000	4.500				3.835	+.003 / -.003	0.252	+.002 / -.002	66.90
RCAT-4T5172	4.500	+.004 / -.000	4.500				3.835	+.003 / -.003	0.502	+.002 / -.002	66.90
RCAT-8T8239	4.530	+.004 / -.000	4.530				3.835	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-9X4551	4.530	+.004 / -.000	4.530				3.835	+.003 / -.003	0.502	+.002 / -.002	O/R
RCAT-8T8242	4.560	+.004 / -.000	4.560				3.835	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-4T8588	4.750	+.004 / -.000	4.750				4.085	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-8C5215	4.750	+.004 / -.000	4.750				4.085	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8245	4.780	+.004 / -.000	4.780				4.085	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-8T8248	4.810	+.004 / -.000	4.810				4.085	+.003 / -.003	0.252	+.002 / -.002	O/R
RCAT-9X7264	5.000	+.004 / -.000	5.000				4.225	+.003 / -.003	0.379	+.002 / -.002	67.90
RCAT-8T0776	5.000	+.004 / -.000	5.000				4.440	+.003 / -.003	0.280	+.002 / -.002	O/R
RCAT-8T1787	5.000	+.004 / -.000	5.000				4.225	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8251	5.030	+.004 / -.000	5.030				4.225	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8T8254	5.060	+.004 / -.000	5.060				4.225	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8T0763	5.250	+.004 / -.000	5.250				4.475	+.003 / -.003	0.379	+.002 / -.002	69.25
RCAT-8T8257	5.280	+.004 / -.000	5.280				4.475	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8T8260	5.310	+.004 / -.000	5.310				4.475	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-6E0465	5.500	+.004 / -.000	5.500				4.725	+.003 / -.003	0.379	+.002 / -.002	70.25
RCAT-4T5173	5.500	+.004 / -.000	5.500				4.725	+.003 / -.003	0.629	+.002 / -.002	70.25
RCAT-8T8263	5.530	+.004 / -.000	5.530				4.725	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-9X4563	5.530	+.004 / -.000	5.530				4.725	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8266	5.560	+.004 / -.000	5.560				4.725	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C9173	6.000	+.004 / -.000	6.000				5.095	+.003 / -.003	0.379	+.002 / -.002	70.80
RCAT-4T4144	6.000	+.004 / -.000	6.000				5.095	+.003 / -.003	0.629	+.002 / -.002	70.80
RCAT-8T8269	6.030	+.004 / -.000	6.030				5.095	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C4929	6.030	+.004 / -.000	6.030				5.095	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8272	6.060	+.004 / -.000	6.060				5.095	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C4932	6.060	+.004 / -.000	6.060				5.095	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T1788	6.250	+.004 / -.000	6.250				5.345	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8275	6.280	+.004 / -.000	6.280				5.345	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C4935	6.280	+.004 / -.000	6.280				5.345	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8278	6.310	+.004 / -.000	6.310				5.345	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C4938	6.310	+.004 / -.000	6.310				5.345	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-4T8695	6.500	+.004 / -.000	6.500				5.595	+.003 / -.003	0.629	+.002 / -.002	72.25
RCAT-8T8281	6.530	+.004 / -.000	6.530				5.595	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C4941	6.530	+.004 / -.000	6.530				5.595	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8284	6.560	+.004 / -.000	6.560				5.595	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C4944	6.560	+.004 / -.000	6.560				5.595	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T1789	7.000	+.005 / -.000	7.000				6.095	+.003 / -.003	0.629	+.002 / -.002	73.75
RCAT-8T8287	7.030	+.005 / -.000	7.030				6.095	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5100	7.030	+.005 / -.000	7.030				6.095	+.003 / -.003	0.629	+.002 / -.002	O/R

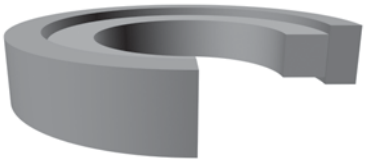
www.sealsonline.com

CAT TYPE-3 SERIES - CAT X-REF - NYLON/NBR (STEP CUT)

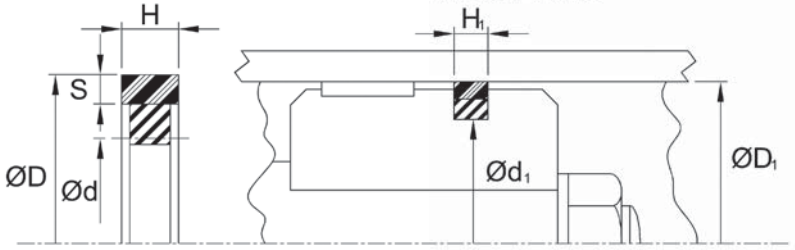
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RCAT-8T8290	7.060	+.005 / -.000	7.060				6.095	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5103	7.060	+.005 / -.000	7.060				6.095	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T1790	7.250	+.005 / -.000	7.250				6.345	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8293	7.280	+.005 / -.000	7.280				6.345	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5112	7.280	+.005 / -.000	7.280				6.345	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8296	7.310	+.005 / -.000	7.310				6.345	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5115	7.310	+.005 / -.000	7.310				6.345	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T1791	7.500	+.005 / -.000	7.500				6.595	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8C0558	7.530	+.005 / -.000	7.530				6.595	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5118	7.530	+.005 / -.000	7.530				6.595	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8C0561	7.560	+.005 / -.000	7.560				6.595	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5121	7.560	+.005 / -.000	7.560				6.595	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T1792	7.750	+.005 / -.000	7.750				6.845	+.003 / -.003	0.629	+.002 / -.002	74.15
RCAT-8C5124	7.780	+.005 / -.000	7.780				6.845	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8C5127	7.810	+.005 / -.000	7.810				6.845	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T1793	8.250	+.005 / -.000	8.250				7.255	+.003 / -.003	0.629	+.002 / -.002	74.90
RCAT-8T8299	8.280	+.005 / -.000	8.280				7.255	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5130	8.280	+.005 / -.000	8.280				7.255	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8T8302	8.310	+.005 / -.000	8.310				7.255	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8C5133	8.310	+.005 / -.000	8.310				7.255	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-9T0119	8.500	+.005 / -.000	8.500				7.505	+.003 / -.003	0.629	+.002 / -.002	75.45
RCAT-8C5136	8.530	+.005 / -.000	8.530				7.505	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-8C5139	8.560	+.005 / -.000	8.560				7.505	+.003 / -.003	0.629	+.002 / -.002	O/R
RCAT-4T4143	9.250	+.005 / -.000	9.250				8.255	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8T8305	9.280	+.005 / -.000	9.280				8.255	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8T8384	9.310	+.005 / -.000	9.310				8.255	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-9X7321	9.500	+.005 / -.000	9.500				8.506	+.003 / -.003	0.379	+.002 / -.002	O/R
RCAT-8T1794	10.000	+.005 / -.000	10.000				8.880	+.003 / -.003	0.690	+.002 / -.002	122.30
RCAT-8C5142	10.030	+.005 / -.000	10.030				8.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8C5145	10.060	+.005 / -.000	10.060				8.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8T1795	10.250	+.005 / -.000	10.250				9.130	+.003 / -.003	0.690	+.002 / -.002	144.40
RCAT-8C5148	10.280	+.005 / -.000	10.280				9.130	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8C5151	10.310	+.005 / -.000	10.310				9.130	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8T1796	10.500	+.005 / -.000	10.500				9.380	+.003 / -.003	0.690	+.002 / -.002	125.05
RCAT-8C5154	10.530	+.005 / -.000	10.530				9.380	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8C5157	10.560	+.005 / -.000	10.560				9.380	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1080125	11.000	+.006 / -.000	11.000				9.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1293706	11.030	+.006 / -.000	11.030				9.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8T1797	11.500	+.006 / -.000	11.500				10.380	+.003 / -.003	0.690	+.002 / -.002	157.65
RCAT-8C5160	11.530	+.006 / -.000	11.530				10.380	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-8C5163	11.560	+.006 / -.000	11.560				10.380	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-9X7326	12.000	+.006 / -.000	12.000				10.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-6E0307	12.500	+.006 / -.000	12.500				11.380	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1293712	12.530	+.006 / -.000	12.530				11.380	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1086211	13.000	+.006 / -.000	13.000				11.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1293709	13.030	+.006 / -.000	13.030				11.880	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1214185	13.500	+.006 / -.000	13.500				12.400	+.003 / -.003	0.690	+.002 / -.002	O/R
RCAT-1301857	13.530	+.006 / -.000	13.530				12.400	+.003 / -.003	0.690	+.002 / -.002	O/R

ZG - Piston Seals

Nylon/Nitrile (Step Cut)



RETROFITS MOST C914 PISTON SEALS

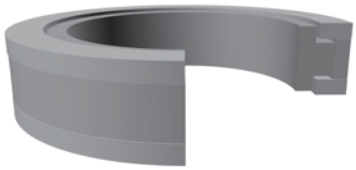


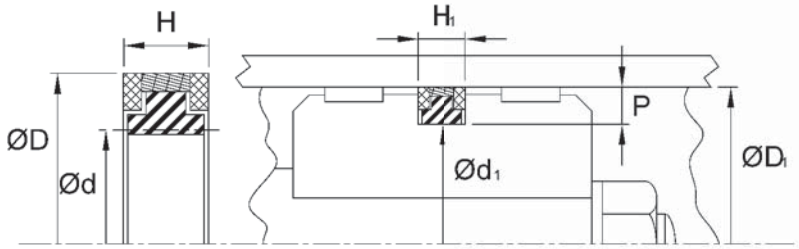
Temperature: -65/225F [-54/107C] **Pressure: 10000 PSI [690 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
ZG02000-281	2.000	+.003 / -.000	2.000		0.105	0.281	1.462	+.000 / -.005	0.281	+.005 / -.000	18.40
ZG02000-312	2.000	+.003 / -.000	2.000		0.125	0.312	1.408	+.000 / -.005	0.312	+.005 / -.000	18.85
ZG02500-281	2.500	+.003 / -.000	2.500		0.105	0.281	1.962	+.000 / -.005	0.281	+.005 / -.000	18.20
ZG02500-312	2.500	+.003 / -.000	2.500		0.125	0.312	1.908	+.000 / -.005	0.312	+.005 / -.000	18.70
ZG03000-281	3.000	+.004 / -.000	3.000		0.125	0.281	2.442	+.000 / -.005	0.281	+.005 / -.000	19.35
ZG03000-312	3.000	+.004 / -.000	3.000		0.125	0.312	2.408	+.000 / -.005	0.312	+.005 / -.000	19.80
ZG03500-281	3.500	+.004 / -.000	3.500		0.125	0.281	2.942	+.000 / -.005	0.281	+.005 / -.000	21.75
ZG03500-312	3.500	+.004 / -.000	3.500		0.125	0.312	2.908	+.000 / -.005	0.312	+.005 / -.000	22.20
ZG04000-281	4.000	+.004 / -.000	4.000		0.125	0.281	3.442	+.000 / -.005	0.281	+.005 / -.000	23.35
ZG04000-312	4.000	+.004 / -.000	4.000		0.125	0.312	3.408	+.000 / -.005	0.312	+.005 / -.000	23.80
ZG04500-281	4.500	+.004 / -.000	4.500		0.125	0.281	3.942	+.000 / -.005	0.281	+.005 / -.000	26.15
ZG04500-312	4.500	+.004 / -.000	4.500		0.125	0.312	3.908	+.000 / -.005	0.312	+.005 / -.000	26.25
ZG05000-281	5.000	+.004 / -.000	5.000		0.125	0.281	4.442	+.000 / -.005	0.281	+.005 / -.000	29.15
ZG05000-375	5.000	+.004 / -.000	5.000		0.125	0.375	4.240	+.000 / -.005	0.375	+.005 / -.000	29.60
ZG05500-375	5.500	+.004 / -.000	5.500		0.125	0.375	4.740	+.000 / -.005	0.375	+.005 / -.000	33.15
ZG06000-375	6.000	+.004 / -.000	6.000		0.125	0.375	5.240	+.000 / -.005	0.375	+.005 / -.000	35.50
ZG06500-375	6.500	+.004 / -.000	6.500		0.125	0.375	5.740	+.000 / -.005	0.375	+.005 / -.000	36.40
ZG07000-375	7.000	+.005 / -.000	7.000		0.125	0.375	6.240	+.000 / -.005	0.375	+.005 / -.000	40.25
ZG07500-375	7.500	+.005 / -.000	7.500		0.125	0.375	6.740	+.000 / -.005	0.375	+.005 / -.000	40.75
ZG08000-375	8.000	+.005 / -.000	8.000		0.125	0.375	7.240	+.000 / -.005	0.375	+.005 / -.000	42.25
ZG08500-375N	8.500	+.005 / -.000	8.500		0.125	0.375	7.740	+.000 / -.005	0.375	+.005 / -.000	54.50
ZG08500-375	8.500	+.005 / -.000	8.500		0.187	0.375	7.624	+.000 / -.005	0.375	+.005 / -.000	54.95
ZG09000-375	9.000	+.005 / -.000	9.000		0.187	0.375	8.124	+.000 / -.005	0.375	+.005 / -.000	57.30
ZG09500-375	9.500	+.005 / -.000	9.500		0.187	0.375	8.624	+.000 / -.005	0.375	+.005 / -.000	59.80
ZG10000-375	10.000	+.005 / -.000	10.000		0.187	0.375	9.124	+.000 / -.005	0.375	+.005 / -.000	61.15
ZG10500-375	10.500	+.005 / -.000	10.500		0.187	0.375	9.624	+.000 / -.005	0.375	+.005 / -.000	114.50
ZG11000-375	11.000	+.006 / -.000	11.000		0.187	0.375	10.124	+.000 / -.005	0.375	+.005 / -.000	121.30
ZG12000-37 5	12.000	+.006 / -.000	12.000		0.187	0.375	11.124	+.000 / -.005	0.375	+.005 / -.000	133.20

CTS - Piston Seals

GF/M.PTFE/Nylon/Nitrile





Temperature: -20/220F [-29/104] **Pressure: 6500 PSI [450 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	D	d	H	d1	Tol.	H1	Tol.	
CTS-01000	1.000	+.003 / -.000	1.000	0.625	0.397	0.625	+.000 / -.002	0.424	+.010 / -.000	O/R
CTS-01250	1.250	+.003 / -.000	1.250	0.875	0.397	0.875	+.000 / -.002	0.424	+.010 / -.000	O/R
CTS-01500	1.500	+.003 / -.000	1.500	1.125	0.397	1.125	+.000 / -.002	0.424	+.010 / -.000	O/R
CTS-01750	1.750	+.003 / -.000	1.750	1.375	0.397	1.375	+.000 / -.002	0.424	+.010 / -.000	O/R
CTS-02000	2.000	+.003 / -.000	2.000	1.625	0.397	1.625	+.000 / -.002	0.424	+.010 / -.000	52.85
CTS-02250	2.250	+.003 / -.000	2.250	1.875	0.397	1.875	+.000 / -.002	0.424	+.010 / -.000	54.30
CTS-02500	2.500	+.003 / -.000	2.500	2.125	0.397	2.125	+.000 / -.002	0.424	+.010 / -.000	55.20
CTS-02750	2.750	+.003 / -.000	2.750	2.375	0.397	2.375	+.000 / -.002	0.424	+.010 / -.000	61.85
CTS-03000	3.000	+.004 / -.000	3.000	2.520	0.557	2.520	+.000 / -.003	0.579	+.010 / -.000	64.45
CTS-03250	3.250	+.004 / -.000	3.250	2.770	0.557	2.770	+.000 / -.003	0.579	+.010 / -.000	65.70
CTS-03500	3.500	+.004 / -.000	3.500	3.020	0.557	3.020	+.000 / -.003	0.579	+.010 / -.000	67.40
CTS-03750	3.750	+.004 / -.000	3.750	3.270	0.557	3.270	+.000 / -.003	0.579	+.010 / -.000	68.45
CTS-04000	4.000	+.004 / -.000	4.000	3.520	0.557	3.520	+.000 / -.003	0.579	+.010 / -.000	68.75
CTS-04250	4.250	+.004 / -.000	4.250	3.770	0.557	3.770	+.000 / -.003	0.579	+.010 / -.000	71.35
CTS-04500	4.500	+.004 / -.000	4.500	4.020	0.557	4.020	+.000 / -.003	0.579	+.010 / -.000	73.55
CTS-05000	5.000	+.004 / -.000	5.000	4.270	0.730	4.270	+.000 / -.004	0.750	+.010 / -.000	93.55
CTS-05250	5.250	+.004 / -.000	5.250	4.520	0.730	4.520	+.000 / -.004	0.750	+.010 / -.000	97.30
CTS-05500	5.500	+.004 / -.000	5.500	4.770	0.730	4.770	+.000 / -.004	0.750	+.010 / -.000	101.15
CTS-05750	5.750	+.004 / -.000	5.750	5.022	0.730	5.022	+.000 / -.004	0.750	+.010 / -.000	104.90
CTS-06000	6.000	+.004 / -.000	6.000	5.270	0.730	5.270	+.000 / -.004	0.750	+.010 / -.000	106.00
CTS-06250	6.250	+.004 / -.000	6.250	5.520	0.730	5.520	+.000 / -.004	0.750	+.010 / -.000	121.05
CTS-06500	6.500	+.004 / -.000	6.500	5.770	0.730	5.770	+.000 / -.004	0.750	+.010 / -.000	123.10
CTS-06750	6.750	+.005 / -.000	6.750	6.022	0.730	6.022	+.000 / -.004	0.750	+.010 / -.000	136.65
CTS-07000	7.000	+.005 / -.000	7.000	6.270	0.730	6.270	+.000 / -.004	0.750	+.010 / -.000	140.75
CTS-07250	7.250	+.005 / -.000	7.250	6.520	0.730	6.520	+.000 / -.004	0.750	+.010 / -.000	146.40
CTS-07500	7.500	+.005 / -.000	7.500	6.770	0.730	6.770	+.000 / -.004	0.750	+.010 / -.000	148.60
CTS-07750	7.750	+.005 / -.000	7.750	7.022	0.730	7.022	+.000 / -.004	0.750	+.010 / -.000	155.55
CTS-08000	8.000	+.005 / -.000	8.000	7.270	0.730	7.270	+.000 / -.004	0.750	+.010 / -.000	157.85
CTS-08250	8.250	+.005 / -.000	8.250	7.520	0.730	7.520	+.000 / -.004	0.750	+.010 / -.000	168.50
CTS-08500	8.500	+.005 / -.000	8.500	7.770	0.730	7.770	+.000 / -.004	0.750	+.010 / -.000	171.50
CTS-08750	8.750	+.005 / -.000	8.750	8.022	0.730	8.022	+.000 / -.004	0.750	+.010 / -.000	182.30
CTS-09000	9.000	+.005 / -.000	9.000	8.270	0.730	8.270	+.000 / -.004	0.750	+.010 / -.000	187.25
CTS-09500	9.500	+.005 / -.000	9.500	8.770	0.730	8.770	+.000 / -.004	0.750	+.010 / -.000	203.55
CTS-10000	10.000	+.005 / -.000	10.000	9.270	0.730	9.270	+.000 / -.004	0.750	+.010 / -.000	217.90
CTS-11000	11.000	+.006 / -.000	11.000	10.270	0.730	10.270	+.000 / -.004	0.750	+.010 / -.000	234.00
CTS-11500	11.500	+.006 / -.000	11.500	10.770	0.730	10.770	+.000 / -.004	0.750	+.010 / -.000	298.05
CTS-12000	12.000	+.006 / -.000	12.000	11.270	0.730	11.270	+.000 / -.004	0.750	+.010 / -.000	325.75
CTS-13000	13.000	+.006 / -.000	13.000	12.270	0.730	12.270	+.000 / -.004	0.750	+.010 / -.000	357.95

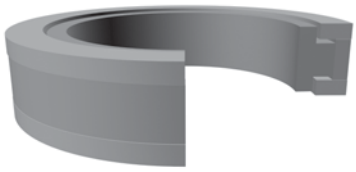
CTS SERIES - GF/M.PTFE/NYLON/NBR

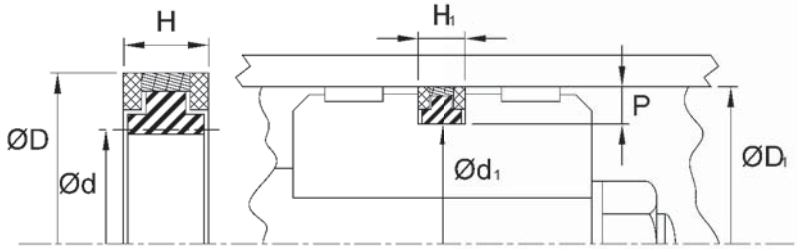
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
CTS-13500	13.500	+.006 / -.000	13.500	12.770	0.730	12.770	+.000 / -.004	0.750	+.010 / -.000		368.00
CTS-14500	14.500	+.006 / -.000	14.500	13.770	0.730	13.770	+.000 / -.004	0.750	+.010 / -.000		523.60
CTS-15000	15.000	+.006 / -.000	15.000	14.270	0.730	14.270	+.000 / -.004	0.750	+.010 / -.000		676.50
CTS-16000	16.000	+.006 / -.000	16.000	15.270	0.730	15.270	+.000 / -.004	0.750	+.010 / -.000		O/R



CAT TYPE-4 - Piston Seals

GF/M.PTFE/Nylon/Nitrile





Temperature: -20/220F [-29/104C] **Pressure: 6500 PSI [450 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	D	d	H	d1	Tol.	H1	Tol.	
RCAT-8J3747	4.500	+.004 / -.000	4.500			3.830	+.005 / -.000	0.500	+.010 / -.000	80.55
RCAT-9J7868	5.000	+.004 / -.000	5.000			4.220	+.005 / -.000	0.640	+.010 / -.000	96.30
RCAT-8J8767	5.500	+.004 / -.000	5.500			4.720	+.005 / -.000	0.640	+.010 / -.000	109.25
RCAT-9J1242	6.000	+.004 / -.000	6.000			5.090	+.005 / -.000	0.640	+.010 / -.000	113.10
RCAT-9J5558	6.250	+.004 / -.000	6.250			5.340	+.005 / -.000	0.640	+.010 / -.000	116.95
RCAT-8J8703	6.500	+.004 / -.000	6.500			5.590	+.005 / -.000	0.640	+.010 / -.000	128.05
RCAT-8J3749	7.000	+.005 / -.000	7.000			6.090	+.005 / -.000	0.640	+.010 / -.000	133.10
RCAT-8J4510	7.250	+.005 / -.000	7.250			6.340	+.005 / -.000	0.640	+.010 / -.000	136.85
RCAT-9J5567	7.500	+.005 / -.000	7.500			6.590	+.005 / -.000	0.640	+.010 / -.000	140.15
RCAT-8J5644	7.750	+.005 / -.000	7.750			6.840	+.005 / -.000	0.640	+.010 / -.000	144.40
RCAT-8J4390	8.250	+.005 / -.000	8.250			7.250	+.005 / -.000	0.640	+.010 / -.000	156.50
RCAT-3G4762	8.500	+.005 / -.000	8.500			7.500	+.005 / -.000	0.640	+.010 / -.000	161.85
RCAT-9J3406	10.000	+.005 / -.000	10.000			8.880	+.005 / -.000	0.690	+.010 / -.000	189.10
RCAT-3G0889	10.250	+.005 / -.000	10.250			9.130	+.005 / -.000	0.690	+.010 / -.000	194.45
RCAT-3G4765	10.500	+.005 / -.000	10.500			9.380	+.005 / -.000	0.690	+.010 / -.000	207.90
RCAT-9J2987	11.500	+.006 / -.000	11.500			10.380	+.005 / -.000	0.690	+.010 / -.000	233.70

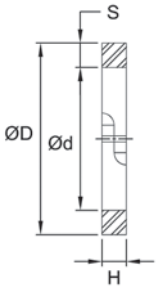
RJD SERIES - JOHN DEERE X-REF

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RJD-RE11902	3.250	+.004 / -.000	3.250				2.770	+.000 / -.003	0.579	+.010 / -.000	61.45
RJD-RE11903	3.500	+.004 / -.000	3.500				3.020	+.000 / -.003	0.579	+.010 / -.000	63.00
RJD-RE11919	3.750	+.004 / -.000	3.750				3.270	+.000 / -.003	0.579	+.010 / -.000	63.95
RJD-RE11904	4.000	+.004 / -.000	4.000				3.520	+.000 / -.003	0.579	+.010 / -.000	64.30
RJD-RE11905	4.500	+.004 / -.000	4.500				4.020	+.000 / -.003	0.579	+.010 / -.000	68.75
RJD-RE11910	5.000	+.004 / -.000	5.000				4.270	+.000 / -.004	0.750	+.010 / -.000	87.45
RJD-RE11920	5.500	+.004 / -.000	5.500				4.770	+.000 / -.004	0.750	+.010 / -.000	94.55
RJD-RE11921	6.000	+.004 / -.000	6.000				5.270	+.000 / -.004	0.750	+.010 / -.000	99.10

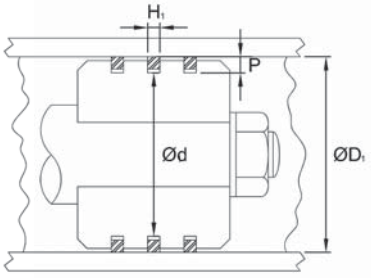
P1000 - Piston Rings

Cast Iron









Temperature: N/A **Pressure: N/A**

Nominal Bore Diameter	Depth P +.003/-.000	Nominal Bore Diameter	Depth P +.003/-.000	Nominal Bore Diameter	Depth P +.003/-.000	Nominal Bore Diameter	Depth P +.003/-.000	Nominal Piston Ring Width	Width H1 +.003/-.000
1.000	0.065	3.000	0.160	6.000	0.256	10.500	0.405	1/8	0.125
1.125	0.070	3.125	0.165	6.250	0.258	11.000	0.420	3/16	0.188
1.250	0.075	3.250	0.168	6.500	0.276	11.500	0.436	1/4	0.250
1.375	0.085	3.375	0.171	6.750	0.284	12.000	0.446	5/16	0.313
1.500	0.107	3.500	0.176	7.000	0.293	12.500	0.457	3/8	0.375
1.625	0.116	3.625	0.179	7.250	0.302	13.000	0.470	1/2	0.500
1.750	0.120	3.750	0.185	7.500	0.309	13.500	0.480	5/8	0.625
1.875	0.125	3.875	0.193	7.750	0.307	14.000	0.500	3/4	0.750
2.000	0.125	4.000	0.194	8.000	0.325	14.500	0.520	7/8	0.875
2.125	0.130	4.250	0.203	8.250	0.333	15.000	0.537	1	1.000
2.250	0.135	4.500	0.213	8.500	0.340	15.500	0.545		
2.375	0.141	4.750	0.221	8.750	0.349	16.000	0.560		
2.500	0.147	5.000	0.230	9.000	0.359	16.500	0.580		
2.625	0.152	5.250	0.234	9.250	0.365	17.000	0.592		
2.750	0.156	5.500	0.240	9.500	0.370	17.500	0.610		
2.875	0.158	5.750	0.249	10.000	0.382	18.000	0.625		



END LAP



ANGLE CUT



VENTED OIL SEAL



ANGLE STEP CUT



BUTT CAP



STEP CUT



HOOK RING

P1000 SERIES - CAST IRON

Ref.Number	Bore Diameter	Tol.	Nominal Seal Dimensions S	H	$
P1001	1.500	+.003 / -.000	0.052 - 0.067	0.123 - 0.124	15.20
P1001-03	1.500	+.003 / -.000	0.052 - 0.067	0.093 - 0.094	15.20
P1001-06	1.500	+.003 / -.000	0.052 - 0.067	0.186 - 0.187	16.00
P1002	1.625	+.003 / -.000	0.056 - 0.071	0.123 - 0.124	15.05
P1002-03	1.625	+.003 / -.000	0.056 - 0.071	0.093 - 0.094	15.05
P1002-06	1.625	+.003 / -.000	0.056 - 0.071	0.186 - 0.187	16.00
P1003	1.750	+.003 / -.000	0.060 - 0.075	0.123 - 0.124	15.05
P1003-03	1.750	+.003 / -.000	0.060 - 0.075	0.093 - 0.094	15.05
P1003-06	1.750	+.003 / -.000	0.060 - 0.075	0.186 - 0.187	16.00
P1004	1.875	+.003 / -.000	0.060 - 0.075	0.123 - 0.124	15.05
P1004-03	1.875	+.003 / -.000	0.060 - 0.075	0.093 - 0.094	15.05
P1004-06	1.875	+.003 / -.000	0.060 - 0.075	0.186 - 0.187	16.00
P1005	2.000	+.003 / -.000	0.060 - 0.075	0.123 - 0.124	15.05
P1005-03	2.000	+.003 / -.000	0.060 - 0.075	0.093 - 0.094	15.05
P1005-06	2.000	+.003 / -.000	0.060 - 0.075	0.186 - 0.187	16.00
P1006	2.125	+.003 / -.000	0.065 - 0.080	0.186 - 0.187	16.00
P1006-03	2.125	+.003 / -.000	0.065 - 0.080	0.093 - 0.094	15.05
P1006-04	2.125	+.003 / -.000	0.065 - 0.080	0.123 - 0.124	15.05
P1006-08	2.125	+.003 / -.000	0.065 - 0.080	0.248 - 0.249	17.25
P1007	2.250	+.003 / -.000	0.070 - 0.085	0.186 - 0.187	16.00
P1007-03	2.250	+.003 / -.000	0.070 - 0.085	0.093 - 0.094	15.05
P1007-04	2.250	+.003 / -.000	0.070 - 0.085	0.123 - 0.124	15.05
P1007-08	2.250	+.003 / -.000	0.070 - 0.085	0.248 - 0.249	17.25
P1008	2.375	+.003 / -.000	0.076 - 0.091	0.186 - 0.187	16.00
P1008-03	2.375	+.003 / -.000	0.076 - 0.091	0.093 - 0.094	15.05
P1008-04	2.375	+.003 / -.000	0.076 - 0.091	0.123 - 0.124	15.05
P1008-08	2.375	+.003 / -.000	0.076 - 0.091	0.248 - 0.249	17.25
P1009	2.500	+.003 / -.000	0.082 - 0.097	0.186 - 0.187	16.00
P1009-03	2.500	+.003 / -.000	0.082 - 0.097	0.093 - 0.094	15.05
P1009-04	2.500	+.003 / -.000	0.082 - 0.097	0.123 - 0.124	15.05
P1009-08	2.500	+.003 / -.000	0.082 - 0.097	0.248 - 0.249	17.25
P1010	2.625	+.003 / -.000	0.087 - 0.102	0.186 - 0.187	16.00
P1010-03	2.625	+.003 / -.000	0.087 - 0.102	0.093 - 0.094	15.05
P1010-04	2.625	+.003 / -.000	0.087 - 0.102	0.123 - 0.124	15.05
P1010-08	2.625	+.003 / -.000	0.087 - 0.102	0.248 - 0.249	17.25
P1011	2.750	+.003 / -.000	0.091 - 0.106	0.186 - 0.187	16.00
P1011-03	2.750	+.003 / -.000	0.091 - 0.106	0.093 - 0.094	15.05
P1011-04	2.750	+.003 / -.000	0.091 - 0.106	0.123 - 0.124	15.05
P1011-08	2.750	+.003 / -.000	0.091 - 0.106	0.248 - 0.249	17.25
P1012	2.875	+.003 / -.000	0.093 - 0.108	0.186 - 0.187	16.10
P1012-04	2.875	+.003 / -.000	0.093 - 0.108	0.123 - 0.124	15.75
P1012-08	2.875	+.003 / -.000	0.093 - 0.108	0.248 - 0.249	17.25
P1013	3.000	+.004 / -.000	0.095 - 0.110	0.186 - 0.187	16.10
P1013-04	3.000	+.004 / -.000	0.095 - 0.110	0.123 - 0.124	15.75
P1013-08	3.000	+.004 / -.000	0.095 - 0.110	0.248 - 0.249	17.25
P1013-10	3.000	+.004 / -.000	0.095 - 0.110	0.310 - 0.311	19.00
P1014	3.125	+.004 / -.000	0.100 - 0.115	0.186 - 0.187	16.10
P1014-04	3.125	+.004 / -.000	0.100 - 0.115	0.123 - 0.124	15.75
P1014-08	3.125	+.004 / -.000	0.100 - 0.115	0.248 - 0.249	17.25
P1014-10	3.125	+.004 / -.000	0.100 - 0.115	0.310 - 0.311	19.00
P1015	3.250	+.004 / -.000	0.103 - 0.118	0.186 - 0.187	16.10
P1015-04	3.250	+.004 / -.000	0.103 - 0.118	0.123 - 0.124	15.75
P1015-08	3.250	+.004 / -.000	0.103 - 0.118	0.248 - 0.249	17.25
P1015-10	3.250	+.004 / -.000	0.103 - 0.118	0.310 - 0.311	19.00
P1016	3.375	+.004 / -.000	0.106 - 0.121	0.186 - 0.187	16.10
P1016-04	3.375	+.004 / -.000	0.106 - 0.121	0.123 - 0.124	15.75
P1016-08	3.375	+.004 / -.000	0.106 - 0.121	0.248 - 0.249	17.25
P1016-10	3.375	+.004 / -.000	0.106 - 0.121	0.310 - 0.311	19.00
P1017	3.500	+.004 / -.000	0.109 -0.124	0.186 - 0.187	16.10
P1017-04	3.500	+.004 / -.000	0.109 -0.124	0.123 - 0.124	15.75
P1017-08	3.500	+.004 / -.000	0.109 -0.124	0.248 - 0.249	17.25
P1017-10	3.500	+.004 / -.000	0.109 -0.124	0.310 - 0.311	19.00
P1018	3.625	+.004 / -.000	0.112 - 0.127	0.186 - 0.187	16.10
P1018-04	3.625	+.004 / -.000	0.112 - 0.127	0.123 - 0.124	15.75
P1018-08	3.625	+.004 / -.000	0.112 - 0.127	0.248 - 0.249	17.25
P1018-10	3.625	+.004 / -.000	0.112 - 0.127	0.310 - 0.311	19.00
P1019	3.750	+.004 / -.000	0.115 - 0.130	0.248 - 0.249	18.75
P1019-04	3.750	+.004 / -.000	0.115 - 0.130	0.123 - 0.124	17.00
P1019-06	3.750	+.004 / -.000	0.115 - 0.130	0.186 - 0.187	17.75
P1019-10	3.750	+.004 / -.000	0.115 - 0.130	0.310 - 0.311	19.50
P1020	3.875	+.004 / -.000	0.123 - 0.138	0.248 - 0.249	18.75
P1020-04	3.875	+.004 / -.000	0.123 - 0.138	0.123 - 0.124	17.00
P1020-06	3.875	+.004 / -.000	0.123 - 0.138	0.186 - 0.187	17.75
P1020-10	3.875	+.004 / -.000	0.123 - 0.138	0.310 - 0.311	19.50
P1021	4.000	+.004 / -.000	0.127 - 0.142	0.248 - 0.249	18.75
P1021-04	4.000	+.004 / -.000	0.127 - 0.142	0.123 - 0.124	17.00
P1021-06	4.000	+.004 / -.000	0.127 - 0.142	0.186 - 0.187	17.75
P1021-10	4.000	+.004 / -.000	0.127 - 0.142	0.310 - 0.311	19.50
P1022	4.250	+.004 / -.000	0.135 - 0.150	0.248 - 0.249	18.75
P1022-04	4.250	+.004 / -.000	0.135 - 0.150	0.123 - 0.124	17.00
P1022-06	4.250	+.004 / -.000	0.135 - 0.150	0.186 - 0.187	17.75
P1022-10	4.250	+.004 / -.000	0.135 - 0.150	0.310 - 0.311	19.50
P1023	4.500	+.004 / -.000	0.145 - 0.160	0.248 - 0.249	18.75
P1023-04	4.500	+.004 / -.000	0.145 - 0.160	0.123 - 0.124	17.00
P1023-06	4.500	+.004 / -.000	0.145 - 0.160	0.186 - 0.187	17.75
P1023-10	4.500	+.004 / -.000	0.145 - 0.160	0.310 - 0.311	19.50
P1023-12	4.500	+.004 / -.000	0.145 - 0.160	0.372 - 0.373	21.20
P1023-16	4.500	+.004 / -.000	0.145 - 0.160	0.497 - 0.498	28.80
P1024	4.750	+.004 / -.000	0.152 - 0.167	0.248 - 0.249	18.75
P1024-04	4.750	+.004 / -.000	0.152 - 0.167	0.123 - 0.124	17.00
P1024-06	4.750	+.004 / -.000	0.152 - 0.167	0.186 - 0.187	17.75
P1024-10	4.750	+.004 / -.000	0.152 - 0.167	0.310 - 0.311	19.50
P1024-12	4.750	+.004 / -.000	0.152 - 0.167	0.372 - 0.373	21.20
P1024-16	4.750	+.004 / -.000	0.152 - 0.167	0.497 - 0.498	28.80
P1025	5.000	+.004 / -.000	0.160 - 0.175	0.248 - 0.249	19.80
P1025-04	5.000	+.004 / -.000	0.160 - 0.175	0.123 - 0.124	19.80

P1000 SERIES - CAST IRON

Ref.Number	Bore Diameter	Tol.	Nominal Seal Dimensions S	H	$
P1025-06	5.000	+.004 / -.000	0.160 - 0.175	0.186 - 0.187	19.80
P1025-10	5.000	+.004 / -.000	0.160 - 0.175	0.310 - 0.311	21.70
P1025-12	5.000	+.004 / -.000	0.160 - 0.175	0.372 - 0.373	24.40
P1025-16	5.000	+.004 / -.000	0.160 - 0.175	0.497 - 0.498	30.60
P1026	5.250	+.004 / -.000	0.166 - 0.181	0.248 - 0.249	23.75
P1026-04	5.250	+.004 / -.000	0.166 - 0.181	0.123 - 0.124	23.75
P1026-06	5.250	+.004 / -.000	0.166 - 0.181	0.186 - 0.187	23.75
P1026-10	5.250	+.004 / -.000	0.166 - 0.181	0.310 - 0.311	23.75
P1026-12	5.250	+.004 / -.000	0.166 - 0.181	0.372 - 0.373	25.20
P1026-16	5.250	+.004 / -.000	0.166 - 0.181	0.497 - 0.498	32.75
P1027	5.500	+.004 / -.000	0.175 - 0.190	0.248 - 0.249	23.75
P1027-04	5.500	+.004 / -.000	0.175 - 0.190	0.123 - 0.124	23.75
P1027-06	5.500	+.004 / -.000	0.175 - 0.190	0.186 - 0.187	23.75
P1027-10	5.500	+.004 / -.000	0.175 - 0.190	0.310 - 0.311	30.30
P1027-12	5.500	+.004 / -.000	0.175 - 0.190	0.372 - 0.373	39.45
P1027-16	5.500	+.004 / -.000	0.175 - 0.190	0.497 - 0.498	49.15
P1028	5.750	+.004 / -.000	0.184 - 0.199	0.248 - 0.249	24.40
P1028-04	5.750	+.004 / -.000	0.184 - 0.199	0.123 - 0.124	24.40
P1028-06	5.750	+.004 / -.000	0.184 - 0.199	0.186 - 0.187	24.40
P1028-10	5.750	+.004 / -.000	0.184 - 0.199	0.310 - 0.311	30.30
P1028-12	5.750	+.004 / -.000	0.184 - 0.199	0.372 - 0.373	39.45
P1028-16	5.750	+.004 / -.000	0.184 - 0.199	0.497 - 0.498	49.15
P1029	6.000	+.004 / -.000	0.191 - 0.206	0.310 - 0.311	30.30
P1029-04	6.000	+.004 / -.000	0.191 - 0.206	0.123 - 0.124	26.30
P1029-06	6.000	+.004 / -.000	0.191 - 0.206	0.185 - 0.187	26.30
P1029-08	6.000	+.004 / -.000	0.191 - 0.206	0.248 - 0.249	26.30
P1029-12	6.000	+.004 / -.000	0.191 - 0.206	0.372 - 0.373	39.45
P1029-16	6.000	+.004 / -.000	0.191 - 0.206	0.497 - 0.498	49.15
P1030	6.250	+.004 / -.000	0.202 - 0.217	0.310 - 0.311	30.30
P1030-04	6.250	+.004 / -.000	0.202 - 0.217	0.123 - 0.124	26.65
P1030-06	6.250	+.004 / -.000	0.202 - 0.217	0.185 - 0.187	35.60
P1030-08	6.250	+.004 / -.000	0.202 - 0.217	0.248 - 0.249	26.65
P1030-12	6.250	+.004 / -.000	0.202 - 0.217	0.372 - 0.373	39.45
P1030-16	6.250	+.004 / -.000	0.202 - 0.217	0.497 - 0.498	49.15
P1031	6.500	+.004 / -.000	0.211 - 0.226	0.310 - 0.311	30.30
P1031-04	6.500	+.004 / -.000	0.211 - 0.226	0.123 - 0.124	26.65
P1031-06	6.500	+.004 / -.000	0.211 - 0.226	0.185 - 0.187	26.65
P1031-08	6.500	+.004 / -.000	0.211 - 0.226	0.248 - 0.249	26.65
P1031-12	6.500	+.004 / -.000	0.211 - 0.226	0.372 - 0.373	39.45
P1031-16	6.500	+.004 / -.000	0.211 - 0.226	0.497 - 0.498	49.15
P1032	6.750	+.005 / -.000	0.219 - 0.234	0.310 - 0.311	32.10
P1032-04	6.750	+.005 / -.000	0.219 - 0.234	0.123 - 0.124	28.35
P1032-06	6.750	+.005 / -.000	0.219 - 0.234	0.185 - 0.187	28.35
P1032-08	6.750	+.005 / -.000	0.219 - 0.234	0.248 - 0.249	28.35
P1032-12	6.750	+.005 / -.000	0.219 - 0.234	0.372 - 0.373	39.45
P1032-16	6.750	+.005 / -.000	0.219 - 0.234	0.497 - 0.498	49.15
P1033	7.000	+.005 / -.000	0.228 - 0.243	0.310 - 0.311	39.45
P1033-04	7.000	+.005 / -.000	0.228 - 0.243	0.123 - 0.124	28.35

Ref.Number	Bore Diameter	Tol.	Nominal Seal Dimensions S	H	$
P1033-06	7.000	+.005 / -.000	0.228 - 0.243	0.185 - 0.187	32.60
P1033-08	7.000	+.005 / -.000	0.228 - 0.243	0.248 - 0.249	33.80
P1033-12	7.000	+.005 / -.000	0.228 - 0.243	0.372 - 0.373	45.10
P1033-16	7.000	+.005 / -.000	0.228 - 0.243	0.497 - 0.498	51.40
P1034	7.250	+.005 / -.000	0.237 - 0.252	0.310 - 0.311	39.45
P1034-04	7.250	+.005 / -.000	0.237 - 0.252	0.123 - 0.124	33.70
P1034-06	7.250	+.005 / -.000	0.237 - 0.252	0.185 - 0.187	57.80
P1034-08	7.250	+.005 / -.000	0.237 - 0.252	0.248 - 0.249	33.70
P1034-12	7.250	+.005 / -.000	0.237 - 0.252	0.372 - 0.373	51.05
P1034-16	7.250	+.005 / -.000	0.237 - 0.252	0.497 - 0.498	57.80
P1035	7.500	+.005 / -.000	0.244 - 0.259	0.310 - 0.311	39.45
P1035-04	7.500	+.005 / -.000	0.244 - 0.259	0.123 - 0.124	36.55
P1035-06	7.500	+.005 / -.000	0.244 - 0.259	0.185 - 0.187	36.55
P1035-08	7.500	+.005 / -.000	0.244 - 0.259	0.248 - 0.249	36.55
P1035-12	7.500	+.005 / -.000	0.244 - 0.259	0.372 - 0.373	51.05
P1035-16	7.500	+.005 / -.000	0.244 - 0.259	0.497 - 0.498	65.10
P1036	7.750	+.005 / -.000	0.252 - 0.267	0.310 - 0.311	39.45
P1036-04	7.750	+.005 / -.000	0.252 - 0.267	0.123 - 0.124	36.55
P1036-06	7.750	+.005 / -.000	0.252 - 0.267	0.185 - 0.187	36.55
P1036-08	7.750	+.005 / -.000	0.252 - 0.267	0.248 - 0.249	36.55
P1036-12	7.750	+.005 / -.000	0.252 - 0.267	0.372 - 0.373	51.05
P1036-16	7.750	+.005 / -.000	0.252 - 0.267	0.497 - 0.498	65.10
P1037	8.000	+.005 / -.000	0.260 - 0.275	0.372 - 0.373	51.05
P1037-04	8.000	+.005 / -.000	0.260 - 0.275	0.123 - 0.124	41.80
P1037-06	8.000	+.005 / -.000	0.260 - 0.275	0.185 - 0.187	41.80
P1037-08	8.000	+.005 / -.000	0.260 - 0.275	0.248 - 0.249	41.80
P1037-10	8.000	+.005 / -.000	0.260 - 0.275	0.310 - 0.311	41.80
P1037-16	8.000	+.005 / -.000	0.260 - 0.275	0.497 - 0.498	65.10
P1038	8.250	+.005 / -.000	0.268 - 0.283	0.372 - 0.373	51.05
P1038-06	8.250	+.005 / -.000	0.268 - 0.283	0.185 - 0.187	45.55
P1038-08	8.250	+.005 / -.000	0.268 - 0.283	0.248 - 0.249	45.55
P1038-10	8.250	+.005 / -.000	0.268 - 0.283	0.310 - 0.311	45.55
P1038-16	8.250	+.005 / -.000	0.268 - 0.283	0.497 - 0.498	69.75
P1039	8.500	+.005 / -.000	0.275 - 0.290	0.372 - 0.373	67.90
P1039-06	8.500	+.005 / -.000	0.275 - 0.290	0.185 - 0.187	45.55
P1039-08	8.500	+.005 / -.000	0.275 - 0.290	0.248 - 0.249	45.55
P1039-10	8.500	+.005 / -.000	0.275 - 0.290	0.310 - 0.311	45.55
P1039-16	8.500	+.005 / -.000	0.275 - 0.290	0.497 - 0.498	75.45
P1040	8.750	+.005 / -.000	0.284 - 0.299	0.372 - 0.373	56.40
P1040-06	8.750	+.005 / -.000	0.284 - 0.299	0.185 - 0.187	56.40
P1040-08	8.750	+.005 / -.000	0.284 - 0.299	0.248 - 0.249	56.40
P1040-10	8.750	+.005 / -.000	0.284 - 0.299	0.310 - 0.311	56.40
P1040-16	8.750	+.005 / -.000	0.284 - 0.299	0.497 - 0.498	75.45
P1041	9.000	+.005 / -.000	0.294 - 0.309	0.372 - 0.373	56.40
P1041-06	9.000	+.005 / -.000	0.294 - 0.309	0.185 - 0.187	56.40
P1041-08	9.000	+.005 / -.000	0.294 - 0.309	0.248 - 0.249	56.40
P1041-10	9.000	+.005 / -.000	0.294 - 0.309	0.310 - 0.311	56.40
P1041-16	9.000	+.005 / -.000	0.294 - 0.309	0.497 - 0.498	78.05

P1000 SERIES - CAST IRON

Ref.Number	Bore Diameter	Tol.	Nominal Seal Dimensions S	H	$
P1042	9.250	+.005 / -.000	0.300 - 0.315	0.372 - 0.373	67.90
P1042-06	9.250	+.005 / -.000	0.300 - 0.315	0.185 - 0.187	67.90
P1042-08	9.250	+.005 / -.000	0.300 - 0.315	0.248 - 0.249	67.90
P1042-10	9.250	+.005 / -.000	0.300 - 0.315	0.310 - 0.311	67.90
P1042-16	9.250	+.005 / -.000	0.300 - 0.315	0.497 - 0.498	80.10
P1043	9.500	+.005 / -.000	0.305 - 0.320	0.372 - 0.373	67.90
P1043-06	9.500	+.005 / -.000	0.305 - 0.320	0.185 - 0.187	67.90
P1043-08	9.500	+.005 / -.000	0.305 - 0.320	0.248 - 0.249	67.90
P1043-10	9.500	+.005 / -.000	0.305 - 0.320	0.309 - 0.311	67.90
P1043-16	9.500	+.005 / -.000	0.305 - 0.320	0.497 - 0.498	80.10
P1044	10.000	+.005 / -.000	0.317 - 0.332	0.371 - 0.373	94.65
P1044-08	10.000	+.005 / -.000	0.317 - 0.332	0.247 - 0.249	169.60
P1044-10	10.000	+.005 / -.000	0.317 - 0.332	0.309 - 0.311	94.65
P1044-16	10.000	+.005 / -.000	0.317 - 0.332	0.496 -0 .498	94.65
P1045	10.500	+.005 / -.000	0.326 - 0.341	0.371 - 0.373	141.40
P1045-08	10.500	+.005 / -.000	0.326 - 0.341	0.247 - 0.249	O/R
P1045-10	10.500	+.005 / -.000	0.326 - 0.341	0.309 - 0.311	O/R
P1045-16	10.500	+.005 / -.000	0.326 - 0.341	0.496 -0 .498	O/R

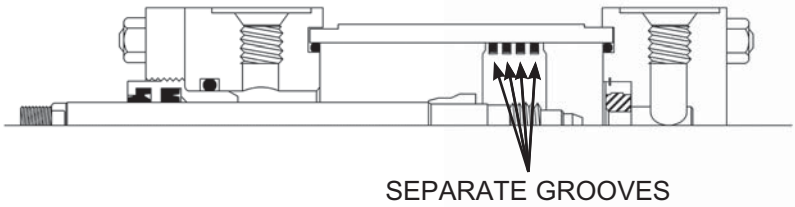
Ref.Number	Bore Diameter	Tol.	Nominal Seal Dimensions S	H	$
P1046	11.000	+.006 / -.000	0.343 - 0.358	0.371 - 0.373	144.20
P1046-08	11.000	+.006 / -.000	0.343 - 0.358	0.247 - 0.249	O/R
P1046-10	11.000	+.006 / -.000	0.343 - 0.358	0.309 - 0.311	O/R
P1046-16	11.000	+.006 / -.000	0.343 - 0.358	0.496 -0 .498	O/R
P1047	11.500	+.006 / -.000	0.358 - 0.373	0.371 - 0.373	147.70
P1047-08	11.500	+.006 / -.000	0.358 - 0.373	0.247 - 0.249	O/R
P1047-10	11.500	+.006 / -.000	0.358 - 0.373	0.309 - 0.311	O/R
P1047-16	11.500	+.006 / -.000	0.358 - 0.373	0.496 - 0.498	O/R
P1048	12.000	+.006 / -.000	0.386 - 0.401	0.371 - 0.373	149.95
P1048-08	12.000	+.006 / -.000	0.386 - 0.401	0.247 - 0.249	149.95
P1048-10	12.000	+.006 / -.000	0.386 - 0.401	0.309 - 0.311	O/R
P1048-16	12.000	+.006 / -.000	0.386 - 0.401	0.496 - 0.498	182.35
P1050	13.000	+.006 / -.000	0.400 - 0.430	0.496 - 0.498	O/R
P1050-12	13.000	+.006 / -.000	0.400 - 0.430	0.371 - 0.373	O/R
P1050-20	13.000	+.006 / -.000	0.400 - 0.430	0.621 - 0.623	O/R
P1052	14.000	+.006 / -.000	0.430 - 0.460	0.496 - 0.498	O/R
P1054	15.000	+.006 / -.000	0.463 - 0.493	0.496 - 0.498	O/R
P1056	16.000	+.006 / -.000	0.487 - 0.517	0.496 - 0.498	O/R



P1000 - PARKER - Piston Rings

Cast Iron





Temperature: N/A **Pressure: N/A**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
P1000	1.000	+.003 / -.000	1.000		0.045 - 0.055	0.123 - 0.124					15.00
P1001	1.500	+.003 / -.000	1.500		0.052 - 0.067	0.123 - 0.124					15.20
P1005	2.000	+.003 / -.000	2.000		0.060 - 0.075	0.123 - 0.124					15.05
P1009-04	2.500	+.003 / -.000	2.500		0.082 - 0.097	0.123 - 0.124					15.05
P1015-05PH	3.250	+.004 / -.000	3.250		0.137 - 0.147	0.154 - 0.155					15.30
P1021-06PH	4.000	+.004 / -.000	4.000		0.162 - 0.172	0.186 - 0.187					16.90
P1025-06PH	5.000	+.004 / -.000	5.000		0.185 - 0.195	0.186 - 0.187					18.85
P1029-08PH	6.000	+.004 / -.000	6.000		0.207 - 0.222	0.248 - 0.249					25.10
P1033-08PH	7.000	+.005 / -.000	7.000		0.228 - 0.243	0.248 - 0.249					32.20
P1037-10	8.000	+.005 / -.000	8.000		0.260 - 0.275	0.310 - 0.311					41.80
P1044	10.000	+.005 / -.000	10.000		0.317 - 0.332	0.371 - 0.373					94.65
P1048	12.000	+.006 / -.000	12.000		0.386 - 0.401	0.371 - 0.373					149.95

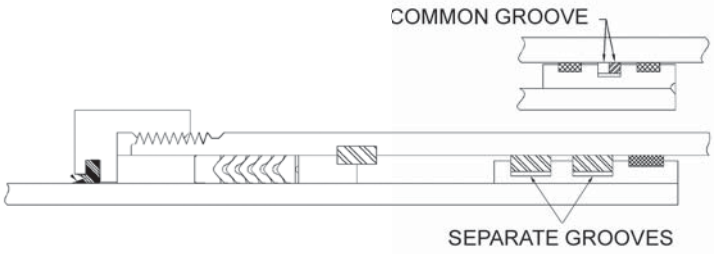


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P1000 - HYCO - Piston Rings

Cast Iron





Temperature: N/A **Pressure: N/A**

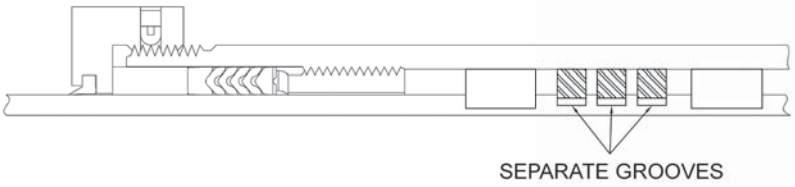
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RHYC-A18030	3.500	+.004 / -.000	3.500		0.135 - 0.150	0.248 - 0.249					13.30
RHYC-B12071/300	3.500	+.003 / -.000	3.500		0.135 - 0.150	0.497 - 0.498					67.25
RHYC-A18029	4.500	+.004 / -.000	4.500		0.135 - 0.150	0.248 - 0.249					16.15
RHYC-B12071/400	4.500	+.003 / -.000	4.500		0.135 - 0.150	0.497 - 0.498					31.80
RHYC-A18028	5.500	+.004 / -.000	5.500		0.135 - 0.150	0.248 - 0.249					22.15
RHYC-B12071/500	5.500	+.003 / -.000	5.500		0.135 - 0.150	0.497 - 0.498					38.35
RHYC-A18027	6.500	+.004 / -.000	6.500		0.135 - 0.150	0.248 - 0.249					26.60
RHYC-B12071/600	6.500	+.003 / -.000	6.500		0.135 - 0.150	0.497 - 0.498					44.85
RHYC-A18026	7.500	+.005 / -.000	7.500		0.135 - 0.150	0.248 - 0.249					38.15
RHYC-B12071/700	7.500	+.004 / -.000	7.500		0.135 - 0.150	0.497 - 0.498					49.10
RHYC-A18025	8.500	+.005 / -.000	8.500		0.135 - 0.150	0.248 - 0.249					53.35
RHYC-B12071/800	8.500	+.004 / -.000	8.500		0.135 - 0.150	0.497 - 0.498					55.40
RHYC-B12071/812	8.625	+.004 / -.000	8.625		0.135 - 0.150	0.497 - 0.498					119.45
RHYC-A18385	9.750	+.005 / -.000	9.750		0.135 - 0.150	0.248 - 0.249					84.70
RHYC-B12071/900	9.750	+.004 / -.000	9.750		0.135 - 0.150	0.497 - 0.498					58.80
RHYC-B12071/938	9.875	+.005 / -.000	9.875		0.135 - 0.150	0.497 - 0.498					119.45



P1000 - C.INTERTECH - Piston Rings

Cast Iron





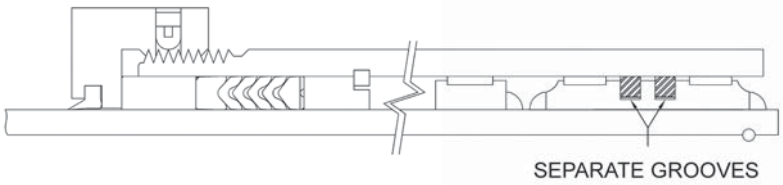
Temperature: N/A **Pressure: N/A**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RCI-X78/3/25	3.260	+.004 / -.000	3.260		0.115 - 0.130	0.247 - 0.249					13.80
RCI-X78/4/25	4.260	+.004 / -.000	4.260		0.152 - 0.167	0.247 - 0.249					15.40
RCI-X78/5/25	5.260	+.004 / -.000	5.260		0.180 - 0.195	0.247 - 0.249					20.15
RCI-X78/6/25	6.260	+.004 / -.000	6.260		0.191 - 0.206	0.247 - 0.249					23.80
RCI-X78/7/25	7.260	+.004 / -.000	7.260		0.253 - 0.268	0.247 - 0.249					33.25
RCI-X78/8/437	8.420	+.005 / -.000	8.420		0.291 - 0.306	0.247 - 0.249					46.20
RCI-X78/9/88	9.885	+.005 / -.000	9.885		0.325 - 0.340	0.247 - 0.249					63.95

P1000 - WARD - Piston Rings

Cast Iron





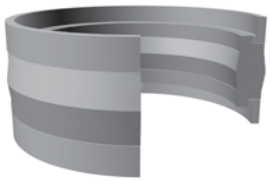
Temperature: N/A **Pressure: N/A**

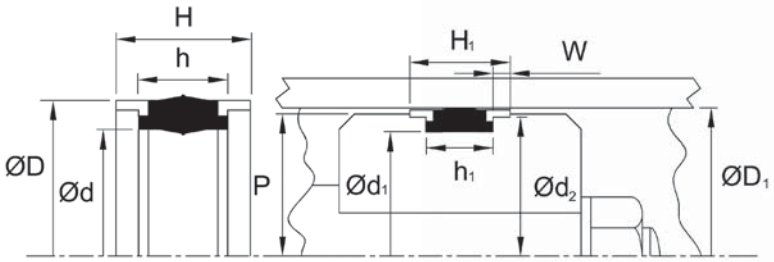
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	S	H	d1	Tol.	H1	Tol.	
RWAR-505/066	3.500	+.004 / -.000	3.500		0.109 - 0.124	0.310 - 0.311					18.10
RWAR-505/066/17	4.500	+.004 / -.000	4.500		0.145 - 0.160	0.310 - 0.311					15.45
RWAR-505/066/24	5.500	+.004 / -.000	5.500		0.175 - 0.190	0.310 - 0.311					21.50
RWAR-505/066/28	6.500	+.004 / -.000	6.500		0.211 - 0.226	0.310 - 0.311					24.85
RWAR-505/066/35	7.500	+.005 / -.000	7.500		0.211 - 0.226	0.310 - 0.311					50.15
RWAR-505/066/38	8.500	+.005 / -.000	8.500		0.211 - 0.226	0.310 - 0.311					55.90
RWAR-505/066/40	9.500	+.005 / -.000	9.500		0.305 - 0.320	0.310 - 0.311					80.15

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P3B - Piston Seals

Neofab/Polyamide



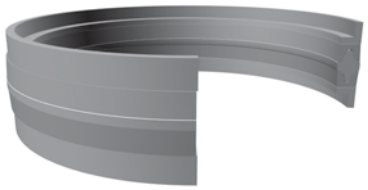


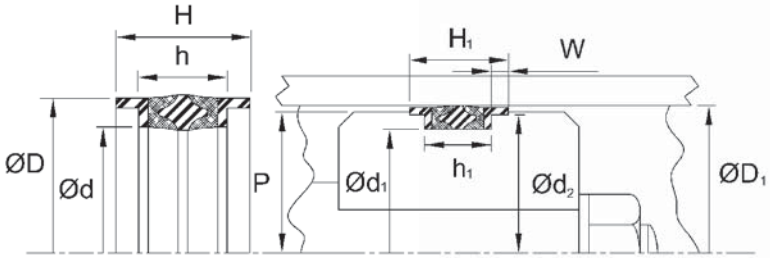
Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [415 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions				Housing Dimensions					$
						d1	d2	P	h1	W	
	Tol.	D	d	h	H	+.000/+.003	+.005/-.005	+.000/-.005	+.015/-.000	+.000/-.005	
P3B-01000	1.000 +.003 / -.000	1.000	0.625	0.468	0.968	0.625 +.000 / -.003	0.883	0.964	0.468	0.250	18.00
P3B-01250	1.250 +.003 / -.000	1.250	0.750	0.625	1.125	0.750 +.000 / -.004	1.111	1.208	0.625	0.250	18.95
P3B-01500	1.500 +.003 / -.000	1.500	1.000	0.625	1.125	1.000 +.000 / -.004	1.360	1.458	0.625	0.250	20.05
P3B-01625	1.625 +.003 / -.000	1.625	1.125	0.625	1.125	1.125 +.000 / -.005	1.485	1.583	0.625	0.250	21.25
P3B-01750	1.750 +.003 / -.000	1.750	1.125	0.750	1.250	1.125 +.000 / -.005	1.570	1.698	0.750	0.250	22.15
P3B-02000	2.000 +.003 / -.000	2.000	1.375	0.750	1.250	1.375 +.000 / -.005	1.820	1.948	0.750	0.250	23.55
P3B-02125	2.125 +.003 / -.000	2.125	1.500	0.750	1.250	1.500 +.000 / -.005	1.944	2.074	0.750	0.250	25.45
P3B-02250	2.250 +.003 / -.000	2.250	1.625	0.750	1.250	1.625 +.000 / -.005	2.069	2.197	0.750	0.250	31.50
P3B-02375	2.375 +.003 / -.000	2.375	1.750	0.750	1.250	1.750 +.000 / -.005	2.194	2.322	0.750	0.250	33.50
P3B-02500	2.500 +.003 / -.000	2.500	1.875	0.750	1.250	1.875 +.000 / -.005	2.319	2.446	0.750	0.250	29.00
P3B-02625	2.625 +.003 / -.000	2.625	2.000	0.750	1.250	2.000 +.000 / -.005	2.443	2.571	0.750	0.250	31.80
P3B-02750	2.750 +.003 / -.000	2.750	2.000	0.937	1.437	2.000 +.000 / -.006	2.522	2.685	0.937	0.250	33.80
P3B-03000	3.000 +.004 / -.000	3.000	2.250	0.937	1.437	2.250 +.000 / -.006	2.772	2.935	0.937	0.250	35.35
P3B-03000-1	3.000 +.004 / -.000	3.000	2.250	1.125	1.625	2.250 +.000 / -.006	2.772	2.935	1.125	0.250	42.80
P3B-03125	3.125 +.004 / -.000	3.125	2.375	0.937	1.437	2.375 +.000 / -.006	2.896	3.060	0.937	0.250	37.50
P3B-03250	3.250 +.004 / -.000	3.250	2.500	0.937	1.437	2.500 +.000 / -.006	3.021	3.184	0.937	0.250	37.80
P3B-03500	3.500 +.004 / -.000	3.500	2.750	0.937	1.437	2.750 +.000 / -.006	3.271	3.434	0.937	0.250	40.00
P3B-03750	3.750 +.004 / -.000	3.750	3.000	0.937	1.437	3.000 +.000 / -.006	3.520	3.683	0.937	0.250	47.30
P3B-03875	3.875 +.004 / -.000	3.875	3.125	0.937	1.437	3.125 +.000 / -.006	3.646	3.809	0.937	0.250	42.20
P3B-04000	4.000 +.004 / -.000	4.000	3.250	0.937	1.437	3.250 +.000 / -.006	3.770	3.933	0.937	0.250	44.70
P3B-04250	4.250 +.004 / -.000	4.250	3.500	0.937	1.437	3.500 +.000 / -.006	4.019	4.182	0.937	0.250	48.10
P3B-04500	4.500 +.004 / -.000	4.500	3.500	1.250	1.750	3.500 +.000 / -.006	4.229	4.422	1.250	0.250	52.55
P3B-04500-1	4.500 +.004 / -.000	4.500	3.500	1.500	2.000	3.500 +.000 / -.006	4.229	4.422	1.500	0.250	52.55
P3B-04750	4.750 +.004 / -.000	4.750	3.750	1.250	1.750	3.750 +.000 / -.006	4.478	4.671	1.250	0.250	56.10
P3B-05000	5.000 +.004 / -.000	5.000	4.000	1.250	1.750	4.000 +.000 / -.006	4.728	4.921	1.250	0.250	61.25
P3B-05250	5.250 +.004 / -.000	5.250	4.250	1.250	1.750	4.250 +.000 / -.006	4.977	5.170	1.250	0.250	75.00
P3B-05500	5.500 +.004 / -.000	5.500	4.500	1.250	1.750	4.500 +.000 / -.006	5.227	5.420	1.250	0.250	64.75
P3B-05500-1	5.500 +.004 / -.000	5.500	4.500	1.500	2.242	4.500 +.000 / -.006	5.232	5.437	1.500	0.371	68.65
P3B-05750	5.750 +.004 / -.000	5.750	4.750	1.250	1.750	4.750 +.000 / -.006	5.475	5.669	1.250	0.250	80.90
P3B-06000	6.000 +.004 / -.000	6.000	5.000	1.250	1.750	5.000 +.000 / -.006	5.726	5.919	1.250	0.250	70.95
P3B-06500	6.500 +.004 / -.000	6.500	5.500	1.250	1.750	5.500 +.000 / -.006	6.225	6.418	1.250	0.250	92.50
P3B-07000	7.000 +.005 / -.000	7.000	6.000	1.250	1.750	6.000 +.000 / -.006	6.724	6.917	1.250	0.250	110.35

P3C - Piston Seals

Neofab/Polyamide





Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [415 BAR]**

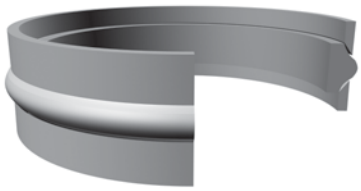
Ref.Number	Bore diameter	Nominal Seal Dimensions				Housing Dimensions					$
						d1	d2	P	h1	W	
	Tol.	D	d	h	H	+.000/+.003	+.005/-.005	+.000/-.005	+.015/-.000	+.000/-.005	
P3C-01000	1.000 +.003 / -.000	1.000	0.625	0.594	0.969	0.625 +.000 / -.003	0.868	0.968	0.614	0.187	39.00
P3C-01000-1	1.000 +.003 / -.000	1.000	0.500	0.625	1.000	0.625 +.000 / -.003	0.864	0.960	0.645	0.187	39.20
P3C-01125	1.125 +.003 / -.000	1.125	0.625	0.750	1.250	0.625 +.000 / -.004	0.990	1.093	0.770	0.250	40.45
P3C-01250	1.250 +.003 / -.000	1.250	0.750	0.750	1.250	0.750 +.000 / -.004	1.118	1.218	0.770	0.250	40.65
P3C-01375	1.375 +.003 / -.000	1.375	0.875	0.625	1.125	0.875 +.000 / -.004	1.234	1.343	0.645	0.250	41.25
P3C-01375-1	1.375 +.003 / -.000	1.375	0.875	0.750	1.250	0.875 +.000 / -.004	1.241	1.343	0.770	0.250	42.00
P3C-01500	1.500 +.003 / -.000	1.500	1.000	0.625	1.000	1.000 +.000 / -.004	1.362	1.460	0.643	0.187	42.40
P3C-01500-1	1.500 +.003 / -.000	1.500	1.000	0.625	1.125	1.000 +.000 / -.004	1.362	1.460	0.645	0.250	42.55
P3C-01500-2	1.500 +.003 / -.000	1.500	1.000	0.750	1.250	1.000 +.000 / -.004	1.371	1.468	0.770	0.250	43.10
P3C-01625	1.625 +.003 / -.000	1.625	1.000	0.937	1.437	1.000 +.000 / -.005	1.428	1.562	0.957	0.250	44.75
P3C-01750	1.750 +.003 / -.000	1.750	1.125	0.750	1.250	1.125 +.000 / -.005	1.572	1.710	0.770	0.250	45.20
P3C-01750-1	1.750 +.003 / -.000	1.750	1.125	0.937	1.437	1.125 +.000 / -.005	1.555	1.687	0.957	0.250	45.85
P3C-01875	1.875 +.003 / -.000	1.875	1.250	0.937	1.437	1.250 +.000 / -.005	1.678	1.812	0.957	0.250	47.15
P3C-02000	2.000 +.003 / -.000	2.000	1.375	0.750	1.250	1.375 +.000 / -.005	1.822	1.962	0.770	0.250	47.40
P3C-02000-1	2.000 +.003 / -.000	2.000	1.375	0.937	1.437	1.375 +.000 / -.005	1.805	1.937	0.957	0.250	48.20
P3C-02125	2.125 +.003 / -.000	2.125	1.500	0.937	1.437	1.500 +.000 / -.005	1.928	2.062	0.957	0.250	49.55
P3C-02250	2.250 +.003 / -.000	2.250	1.625	0.750	1.250	1.625 +.000 / -.005	2.071	2.211	0.770	0.250	49.85
P3C-02250-1	2.250 +.003 / -.000	2.250	1.625	0.937	1.437	1.625 +.000 / -.005	2.055	2.187	0.957	0.250	50.65
P3C-02375	2.375 +.003 / -.000	2.375	1.750	0.750	1.250	1.750 +.000 / -.005	2.180	2.312	0.770	0.250	50.95
P3C-02375-1	2.375 +.003 / -.000	2.375	1.750	0.937	1.437	1.750 +.000 / -.005	2.180	2.312	0.957	0.250	52.00
P3C-02500	2.500 +.003 / -.000	2.500	1.875	0.750	1.250	1.875 +.000 / -.005	2.321	2.460	0.675	0.250	52.70
P3C-02500-1	2.500 +.003 / -.000	2.500	1.875	0.937	1.437	1.875 +.000 / -.005	2.305	2.437	0.957	0.250	53.05
P3C-02625	2.625 +.003 / -.000	2.625	2.000	0.937	1.437	2.000 +.000 / -.005	2.428	2.562	0.956	0.250	54.40
P3C-02750	2.750 +.003 / -.000	2.750	2.000	0.937	1.437	2.000 +.000 / -.006	2.524	2.710	0.957	0.250	54.95
P3C-02750-1	2.750 +.003 / -.000	2.750	2.000	1.187	1.687	2.000 +.000 / -.006	2.485	2.687	1.207	0.250	56.00
P3C-02875	2.875 +.003 / -.000	2.875	2.125	1.187	1.687	2.125 +.000 / -.006	2.610	2.812	1.207	0.250	57.35
P3C-03000	3.000 +.004 / -.000	3.000	2.250	0.937	1.445	2.250 +.000 / -.006	2.774	2.960	0.957	0.254	57.35
P3C-03000-1	3.000 +.004 / -.000	3.000	2.250	1.187	1.687	2.250 +.000 / -.006	2.735	2.937	1.207	0.250	58.40
P3C-03125	3.125 +.004 / -.000	3.125	2.375	1.187	1.687	2.375 +.000 / -.006	2.858	3.062	1.207	0.250	59.80
P3C-03250	3.250 +.004 / -.000	3.250	2.500	0.937	1.437	2.500 +.000 / -.006	3.024	3.210	0.957	0.250	59.80
P3C-03250-1	3.250 +.004 / -.000	3.250	2.500	1.187	1.687	2.500 +.000 / -.006	2.985	3.187	1.207	0.250	60.80
P3C-03375	3.375 +.004 / -.000	3.375	2.625	1.000	1.500	2.625 +.000 / -.006	3.110	3.312	1.020	0.250	61.90
P3C-03375-1	3.375 +.004 / -.000	3.375	2.625	1.187	1.687	2.625 +.000 / -.006	3.108	3.312	1.207	0.250	61.90
P3C-03500	3.500 +.004 / -.000	3.500	2.750	0.937	1.437	2.750 +.000 / -.006	3.273	3.460	0.957	0.250	62.20
P3C-03500-1	3.500 +.004 / -.000	3.500	2.750	1.187	1.687	2.750 +.000 / -.006	3.235	3.437	1.207	0.250	63.25
P3C-03625	3.625 +.004 / -.000	3.625	2.875	1.187	1.687	2.875 +.000 / -.006	3.360	3.562	1.207	0.250	64.65
P3C-03750	3.750 +.004 / -.000	3.750	3.000	1.187	1.687	3.000 +.000 / -.006	3.485	3.687	1.207	0.250	65.70
P3C-03875	3.875 +.004 / -.000	3.875	3.125	1.187	1.687	3.125 +.000 / -.006	3.610	3.812	1.207	0.250	66.75

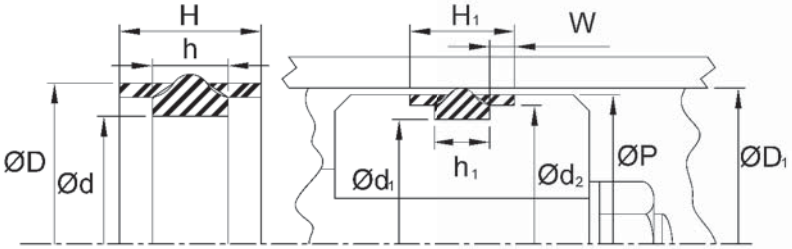
P3C SERIES - NEOFAB/POLYAMIDE

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
							d1	d2	P	h1	W	
	Tol.		D	d	h	H	+.000/+.003	+.005/-.005	+.000/-.005	+.015/-.000	+.000/-.005	
P3C-04000	4.000	+.004 / -.000	4.000	3.250	0.937	1.437	3.250	+.000 / -.006	3.772	3.958	0.957	0.250	68.10
P3C-04000-1	4.000	+.004 / -.000	4.000	3.250	1.187	1.687	3.250	+.000 / -.006	3.735	3.937	1.207	0.250	68.10
P3C-04250	4.250	+.004 / -.000	4.250	3.500	0.937	1.437	3.500	+.000 / -.006	4.022	4.210	0.957	0.250	69.20
P3C-04250-1	4.250	+.004 / -.000	4.250	3.500	1.187	1.687	3.500	+.000 / -.006	3.985	4.187	1.207	0.250	70.60
P3C-04500	4.500	+.004 / -.000	4.500	3.500	1.250	1.758	3.500	+.000 / -.006	4.231	4.450	1.280	0.254	75.15
P3C-04500-1	4.500	+.004 / -.000	4.500	3.500	1.500	2.250	3.500	+.000 / -.006	4.234	4.437	1.530	0.375	80.55
P3C-04625	4.625	+.004 / -.000	4.625	3.625	1.250	1.758	3.625	+.000 / -.006	4.360	4.562	1.530	0.254	80.55
P3C-04625-1	4.625	+.004 / -.000	4.625	3.625	1.500	2.250	3.625	+.000 / -.006	4.335	4.582	1.310	0.375	83.85
P3C-04750	4.750	+.004 / -.000	4.750	3.750	1.250	1.750	3.750	+.000 / -.006	4.483	4.700	1.280	0.250	93.45
P3C-04750-1	4.750	+.004 / -.000	4.750	3.750	1.500	2.250	3.750	+.000 / -.006	4.485	4.687	1.530	0.375	93.45
P3C-05000	5.000	+.004 / -.000	5.000	4.000	1.250	1.750	4.000	+.000 / -.006	4.730	4.956	1.280	0.250	96.15
P3C-05000-1	5.000	+.004 / -.000	5.000	4.000	1.500	2.250	4.000	+.000 / -.006	4.735	4.937	1.530	0.375	101.45
P3C-05250	5.250	+.004 / -.000	5.250	4.250	1.500	2.250	4.250	+.000 / -.006	4.980	5.187	1.530	0.375	106.70
P3C-05500	5.500	+.004 / -.000	5.500	4.500	1.000	1.500	4.500	+.000 / -.006	5.235	5.437	1.030	0.250	114.50
P3C-05500-1	5.500	+.004 / -.000	5.500	4.500	1.250	1.750	4.500	+.000 / -.006	5.235	5.456	1.280	0.250	117.35
P3C-05500-2	5.500	+.004 / -.000	5.500	4.500	1.500	2.250	4.500	+.000 / -.006	5.235	5.437	1.530	0.375	122.45
P3C-05750	5.750	+.004 / -.000	5.750	4.750	1.500	2.250	4.750	+.000 / -.006	5.484	5.687	1.530	0.375	132.95
P3C-06000	6.000	+.004 / -.000	6.000	5.000	1.250	1.750	5.000	+.000 / -.006	5.728	5.954	1.280	0.250	138.35
P3C-06000-1	6.000	+.004 / -.000	6.000	5.000	1.500	2.250	5.000	+.000 / -.006	5.736	5.937	1.530	0.375	143.65
P3C-06000-2	6.000	+.004 / -.000	6.000	5.000	1.750	2.750	5.000	+.000 / -.006	5.676	5.937	1.780	0.500	148.85
P3C-06250	6.250	+.004 / -.000	6.250	5.250	1.500	2.250	5.250	+.000 / -.006	5.984	6.187	1.530	0.375	151.95
P3C-06500	6.500	+.004 / -.000	6.500	5.500	1.250	1.750	5.500	+.000 / -.006	6.227	6.454	1.280	0.250	159.30
P3C-06500-1	6.500	+.004 / -.000	6.500	5.500	1.500	2.250	5.500	+.000 / -.006	6.236	6.437	1.530	0.375	164.70
P3C-06750	6.750	+.005 / -.000	6.750	5.750	1.500	2.250	5.750	+.000 / -.006	6.484	6.687	1.530	0.375	178.95
P3C-07000	7.000	+.005 / -.000	7.000	6.000	1.500	2.250	6.000	+.000 / -.006	6.736	6.937	1.530	0.375	185.75
P3C-07250	7.250	+.005 / -.000	7.250	6.000	1.875	2.625	6.000	+.000 / -.006	6.990	7.187	1.905	0.375	199.95
P3C-07500	7.500	+.005 / -.000	7.500	6.250	1.875	2.625	6.250	+.000 / -.006	7.240	7.437	1.905	0.375	209.35
P3C-07750	7.750	+.005 / -.000	7.750	6.500	1.875	2.625	6.500	+.000 / -.006	7.490	7.687	1.905	0.375	216.50
P3C-08000	8.000	+.005 / -.000	8.000	7.000	1.250	2.000	7.000	+.000 / -.006	7.740	7.937	1.280	0.375	222.55
P3C-09000	9.000	+.005 / -.000	9.000	7.750	1.875	2.625	7.750	+.000 / -.006	8.740	8.937	1.905	0.375	258.70
P3C-09000-1	9.000	+.005 / -.000	9.000	8.000	1.250	2.000	8.000	+.000 / -.006	8.740	8.937	1.280	0.375	272.60
P3C-10000	10.000	+.005 / -.000	10.000	9.000	1.250	2.000	9.000	+.000 / -.006	9.740	9.937	1.280	0.375	306.80

P3D - Piston Seals

Nitrile/Polyamide





Temperature: -22/176F [-30/80C] **Pressure: 3000 PSI [205 BAR]**

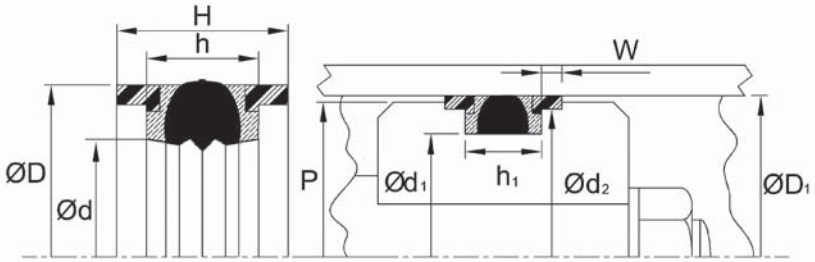
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
							d1	d2	P	h1	W	
		Tol.	D	d	h	H	+.000/+.003	+.005/-.005	+.000/-.005	+.015/-.000	+.000/-.005	
P3D-01000	1.000	+.003 / -.000	1.000	0.687	0.343	0.593	0.687	0.829	0.937	0.348	0.125	15.00
P3D-01250	1.250	+.003 / -.000	1.250	0.937	0.343	0.643	0.937	1.079	1.187	0.348	0.125	16.85
P3D-01500	1.500	+.003 / -.000	1.500	1.125	0.437	0.737	1.125	1.324	1.437	0.442	0.150	17.30
P3D-01750	1.750	+.003 / -.000	1.750	1.375	0.437	0.737	1.375	1.574	1.687	0.442	0.150	19.20
P3D-02000	2.000	+.003 / -.000	2.000	1.625	0.437	0.737	1.625	1.824	1.937	0.442	0.150	22.15
P3D-02250	2.250	+.003 / -.000	2.250	1.875	0.437	0.737	1.875	2.075	2.187	0.442	0.150	25.80
P3D-02500	2.500	+.003 / -.000	2.500	2.125	0.437	0.737	2.125	2.325	2.437	0.442	0.150	26.50
P3D-02750	2.750	+.003 / -.000	2.750	2.375	0.437	0.737	2.375	2.575	2.687	0.442	0.150	30.05
P3D-03000	3.000	+.004 / -.000	3.000	2.625	0.437	0.737	2.625	2.825	2.937	0.442	0.150	32.50
P3D-03250	3.250	+.004 / -.000	3.250	2.875	0.437	0.737	2.875	3.075	3.187	0.442	0.150	35.35
P3D-03500	3.500	+.004 / -.000	3.500	3.000	0.562	0.982	3.000	3.270	3.437	0.567	0.210	38.55
P3D-03750	3.750	+.004 / -.000	3.750	3.250	0.562	0.982	3.250	3.520	3.687	0.567	0.210	42.25
P3D-04000	4.000	+.004 / -.000	4.000	3.500	0.562	0.982	3.500	3.770	3.937	0.567	0.210	43.05
P3D-04250	4.250	+.004 / -.000	4.250	3.750	0.562	0.982	3.750	4.020	4.187	0.567	0.210	46.10
P3D-04500	4.500	+.004 / -.000	4.500	4.000	0.562	0.982	4.000	4.270	4.437	0.567	0.210	48.55
P3D-04750	4.750	+.004 / -.000	4.750	4.250	0.562	0.982	4.250	4.520	4.687	0.567	0.210	52.10
P3D-05000	5.000	+.004 / -.000	5.000	4.375	0.687	1.375	4.375	4.689	4.937	0.692	0.344	55.65
P3D-05250	5.250	+.004 / -.000	5.250	4.625	0.687	1.375	4.625	4.938	5.187	0.692	0.344	60.10
P3D-05500	5.500	+.004 / -.000	5.500	4.875	0.687	1.375	4.875	5.188	5.437	0.692	0.344	62.05
P3D-06000	6.000	+.004 / -.000	6.000	5.250	1.000	2.000	5.250	5.712	5.937	1.005	0.500	63.50
P3D-06500	6.500	+.004 / -.000	6.500	5.750	1.000	2.000	5.750	6.212	6.437	1.005	0.500	71.05
P3D-07000	7.000	+.005 / -.000	7.000	6.250	1.000	2.000	6.250	6.712	6.937	1.005	0.500	77.30
P3D-07500	7.500	+.005 / -.000	7.500	6.750	1.000	2.000	6.750	7.212	7.437	1.005	0.500	81.40
P3D-08000	8.000	+.005 / -.000	8.000	7.250	1.000	2.000	7.250	7.712	7.937	1.005	0.500	90.25
P3D-09000	9.000	+.005 / -.000	9.000	8.250	1.000	2.000	8.250	8.712	8.937	1.005	0.500	97.65

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P5B - Piston Seals

Nitrile/Polyamide/Polyester





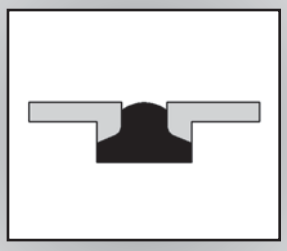
Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [415 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions				Housing Dimensions					$
						d1	d2	P	h1	W	
	Tol.	D	d	h	H	+.000/+.003	+.005/-.005	+.000/-.005	+.015/-.000	+.000/-.005	
P5B-01000	1.000 +.003 / -.000	1.000	0.687	0.331	0.574	0.687	0.829	0.937	0.331	0.121	10.40
P5B-01062	1.062 +.003 / -.000	1.062	0.750	0.312	0.428	0.750	0.900	1.038	0.312	0.058	10.40
P5B-01250	1.250 +.003 / -.000	1.250	0.937	0.331	0.574	0.937	1.079	1.187	0.331	0.121	11.00
P5B-01500	1.500 +.003 / -.000	1.500	1.125	0.425	0.717	1.125	1.324	1.437	0.425	0.146	18.70
P5B-01750	1.750 +.003 / -.000	1.750	1.375	0.425	0.717	1.375	1.574	1.687	0.425	0.146	19.30
P5B-01750-1	1.750 +.003 / -.000	1.750	1.375	0.490	0.973	1.375	1.638	1.710	0.490	0.241	19.30
P5B-01750-2	1.750 +.003 / -.000	1.750	1.125	0.750	1.250	1.125	1.574	1.687	0.750	0.250	19.45
P5B-02000	2.000 +.003 / -.000	2.000	1.625	0.425	0.717	1.625	1.824	1.937	0.425	0.146	19.85
P5B-02000-1	2.000 +.003 / -.000	2.000	1.625	0.478	0.961	1.625	1.888	1.960	0.478	0.241	19.85
P5B-02000-2	2.000 +.003 / -.000	2.000	1.375	0.750	1.250	1.375	1.820	1.948	0.750	0.250	24.55
P5B-02250	2.250 +.003 / -.000	2.250	1.625	0.750	1.250	1.625	2.069	2.197	0.750	0.250	25.55
P5B-02375	2.375 +.003 / -.000	2.375	2.000	0.425	0.717	2.000	2.195	2.312	0.425	0.146	25.75
P5B-02375-1	2.375 +.003 / -.000	2.375	1.734	0.750	1.250	1.734	2.194	2.322	0.750	0.250	25.90
P5B-02500	2.500 +.003 / -.000	2.500	2.125	0.425	0.717	2.125	2.325	2.437	0.425	0.146	26.10
P5B-02500-1	2.500 +.003 / -.000	2.500	2.000	0.638	1.121	2.000	2.320	2.460	0.638	0.241	26.10
P5B-02500-2	2.500 +.003 / -.000	2.500	1.875	0.750	1.250	1.875	2.302	2.437	0.750	0.250	26.50
P5B-02750	2.750 +.003 / -.000	2.750	2.375	0.425	0.717	2.375	2.575	2.687	0.425	0.146	26.70
P5B-02750-1	2.750 +.003 / -.000	2.750	2.250	0.650	1.150	2.250	2.570	2.710	0.650	0.250	27.35
P5B-02750-2	2.750 +.003 / -.000	2.750	2.000	0.937	1.437	2.000	2.522	2.685	0.937	0.250	30.65
P5B-03000	3.000 +.004 / -.000	3.000	2.625	0.425	0.717	2.625	2.825	2.937	0.425	0.146	31.35
P5B-03000-1	3.000 +.004 / -.000	3.000	2.375	0.763	1.246	2.375	2.772	2.960	0.763	0.241	31.35
P5B-03000-2	3.000 +.004 / -.000	3.000	2.250	0.937	1.437	2.250	2.772	2.935	0.937	0.250	32.45
P5B-03250	3.250 +.004 / -.000	3.250	2.625	0.775	1.257	2.625	3.021	3.184	0.775	0.241	34.30
P5B-03250-1	3.250 +.004 / -.000	3.250	2.500	0.937	1.437	2.500	3.021	3.184	0.937	0.250	34.30
P5B-03500	3.500 +.004 / -.000	3.500	3.000	0.550	0.962	3.000	3.271	3.437	0.550	0.206	37.40
P5B-03500-1	3.500 +.004 / -.000	3.500	2.850	0.775	1.355	2.850	3.271	3.460	0.775	0.290	37.40
P5B-03500-2	3.500 +.004 / -.000	3.500	2.750	0.937	1.437	2.750	3.271	3.434	0.937	0.250	37.40
P5B-03750	3.750 +.004 / -.000	3.750	3.250	0.550	0.962	3.250	3.520	3.687	0.550	0.206	38.40
P5B-03750-1	3.750 +.004 / -.000	3.750	3.000	0.937	1.437	3.000	3.520	3.683	0.937	0.250	38.40
P5B-04000	4.000 +.004 / -.000	4.000	3.500	0.550	0.962	3.500	3.770	3.937	0.550	0.206	43.10
P5B-04000-1	4.000 +.004 / -.000	4.000	3.375	0.775	1.257	3.375	3.770	3.960	0.775	0.241	43.10
P5B-04000-2	4.000 +.004 / -.000	4.000	3.250	0.937	1.437	3.250	3.770	3.933	0.937	0.250	43.40
P5B-04500	4.500 +.004 / -.000	4.500	3.500	1.250	1.750	3.500	4.229	4.422	1.250	0.250	56.20
P5B-05000	5.000 +.004 / -.000	5.000	4.250	0.963	1.446	4.250	4.772	4.960	0.963	0.241	63.65
P5B-05000-1	5.000 +.004 / -.000	5.000	4.000	1.250	2.000	4.000	4.709	4.902	1.250	0.375	63.65
P5B-06000	6.000 +.004 / -.000	6.000	5.000	1.250	2.000	5.000	5.709	5.902	1.250	0.375	77.80

P5B SERIES - NBR/POLYAMIDE/POLYESTER

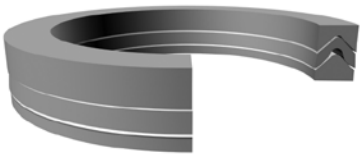
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
							d1	d2	P	h1	W	
	Tol.		D	d	h	H	+.000/+.003	+.005/-.005	+.000/-.005	+.015/-.000	+.000/-.005	
P5B-06500	6.500	+.004 / -.000	6.500	5.500	1.250	2.000	5.500	6.213	6.909	1.250	0.375	179.60
P5B-08000	8.000	+.005 / -.000	8.000	7.000	1.250	2.250	7.000	7.676	7.896	1.250	0.500	225.40

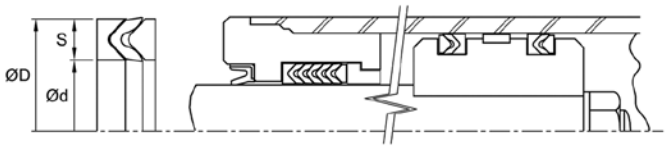
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



	STD VEE PACKING	E	2
	STD VEE SETS	E	9
	HYDROLOCK V.SET	E	10
	GUIDELOCKS	E	11
	VEE COIL	E	12
	WV	E	13

Standard Vee Packing



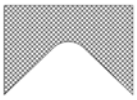


Temperature: -40/250F [-40/121C] **Pressure:**

CROSS SECTION - PRESSURE RATING P.S.I. (INCLUDES MALE AND FEMALE ADAPTORS)											
NO. VEES	5/32	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
2	250	250	250	250	250	250	250	250	250	250	250
3	500	500	500	500	500	500	500	500	500	500	500
4	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
5	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
6	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
7	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000

CROSS SECTION - STACK HEIGHT (INCLUDES MALE AND FEMALE ADAPTORS)											
NO. VEES	5/32	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
2	.437	.562	.625	.687	.812	.937	1.125	1.375	1.625	1.875	2.125
3	.531	.687	.750	.843	1.000	1.156	1.375	1.687	2.000	2.312	2.625
4	.625	.812	.875	1.000	1.187	1.375	1.625	2.000	2.375	2.750	3.125
5	.718	.937	1.000	1.156	1.375	1.593	1.875	2.312	2.750	3.187	3.625
6	.812	1.062	1.125	1.312	1.562	1.812	2.125	2.625	3.125	3.625	4.125
7	.906	1.187	1.250	1.468	1.750	2.032	2.375	2.937	3.500	4.062	4.625

NF
NYLON FEMALE



FF
FABRIC FEMALE



BV
BUNA VEE



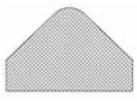
HV
HYTREL VEE



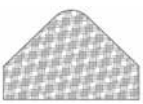
FV
FABRIC VEE



NM
NYLON MALE

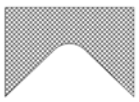


FM
FABRIC MALE

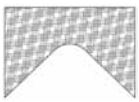


STANDARD VEE PACKING

NF
-40 TO 250F
-40 TO 121C



FF
-40 TO 250F
-40 TO 121C



BV
-40 TO 250F
-40 TO 121C



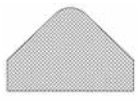
HV
-40 TO 300F
-40 TO 189C



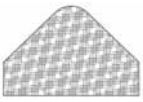
FV
-40 TO 250F
-40 TO 121C



NM
-40 TO 250F
-40 TO 121C



FM
-40 TO 250F
-40 TO 121C



Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0025000625	0.250	0.625	0.187	2.75
V0025000750	0.250	0.750	0.250	2.75
V0025000875	0.250	0.875	0.312	2.75
V0025001000	0.250	1.000	0.375	2.75
V0025001125	0.250	1.125	0.437	3.00
V0037500625	0.375	0.625	0.125	2.75
V0037500750	0.375	0.750	0.187	3.00
V0037500875	0.375	0.875	0.250	2.75
V0037500937	0.375	0.937	0.281	2.75
V0037501000	0.375	1.000	0.312	2.75
V0043700812	0.437	0.812	0.187	2.75
V0043701125	0.437	1.125	0.344	3.30
V0050000875	0.500	0.875	0.187	2.55
V0050000937	0.500	0.937	0.219	2.55
V0050001000	0.500	1.000	0.250	2.15
V0050001125	0.500	1.125	0.312	2.65
V0050001250	0.500	1.250	0.375	3.90
V0056200937	0.562	0.937	0.187	4.10
V0056201062	0.562	1.062	0.250	4.25
V0056201500	0.562	1.500	0.469	5.25
V0062500875	0.625	0.875	0.125	2.50
V0062500937	0.625	0.937	0.156	2.65
V0062501000	0.625	1.000	0.187	3.00
V0062501125	0.625	1.125	0.250	1.85
V0062501250	0.625	1.250	0.312	3.00
V0068701187	0.687	1.187	0.250	4.50
V0075001125	0.750	1.125	0.187	3.00
V0075001187	0.750	1.187	0.219	3.00
V0075001250	0.750	1.250	0.250	1.90
V0075001375	0.750	1.375	0.312	3.65
V0075001437	0.750	1.437	0.344	3.35
V0075001500	0.750	1.500	0.375	3.85
V0075001750	0.750	1.750	0.500	4.35
V0081201312	0.812	1.312	0.250	2.65
V0081201375	0.812	1.375	0.282	3.90
V0087501250	0.875	1.250	0.187	2.40
V0087501375	0.875	1.375	0.250	2.55
V0087501500	0.875	1.500	0.312	2.75
V0087501625	0.875	1.625	0.375	4.05
V0093701375	0.937	1.375	0.219	3.35
V0093701437	0.937	1.437	0.250	2.70
V0100001375	1.000	1.375	0.187	1.85
V0100001500	1.000	1.500	0.250	1.75
V0100001625	1.000	1.625	0.312	3.05
V0100001750	1.000	1.750	0.375	3.20
V0100002000	1.000	2.000	0.500	6.20
V0106201562	1.062	1.562	0.250	3.80
V0106201687	1.062	1.687	0.312	3.95

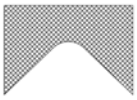
Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0112501500	1.125	1.500	0.187	3.25
V0112501625	1.125	1.625	0.250	2.00
V0112501750	1.125	1.750	0.312	2.80
V0112501812	1.125	1.812	0.344	4.55
V0112501875	1.125	1.875	0.375	4.65
V0118701562	1.187	1.562	0.187	3.30
V0118701687	1.187	1.687	0.250	3.10
V0118701750	1.187	1.750	0.282	3.25
V0118702062	1.187	2.062	0.437	4.90
V0125001625	1.250	1.625	0.187	3.55
V0125001750	1.250	1.750	0.250	1.80
V0125001875	1.250	1.875	0.312	3.20
V0125002000	1.250	2.000	0.375	3.10
V0125002125	1.250	2.125	0.437	4.90
V0125002250	1.250	2.250	0.500	4.95
V0125002500	1.250	2.500	0.625	10.10
V0131201812	1.312	1.812	0.250	2.75
V0131202000	1.312	2.000	0.344	3.65
V0131202062	1.312	2.062	0.375	3.85
V0137501750	1.375	1.750	0.187	3.65
V0137501875	1.375	1.875	0.250	2.55
V0137502000	1.375	2.000	0.312	2.70
V0137502125	1.375	2.125	0.375	4.50
V0137502250	1.375	2.250	0.437	5.00
V0143701937	1.437	1.937	0.250	2.95
V0143702000	1.437	2.000	0.282	3.35
V0143702062	1.437	2.062	0.312	3.60
V0143702125	1.437	2.125	0.344	4.75
V0143702187	1.437	2.187	0.375	6.60
V0150001875	1.500	1.875	0.187	3.50
V0150002000	1.500	2.000	0.250	1.80
V0150002125	1.500	2.125	0.312	2.75
V0150002250	1.500	2.250	0.375	3.00
V0150002281	1.500	2.281	0.391	4.95
V0150002375	1.500	2.375	0.437	5.40
V0150002500	1.500	2.500	0.500	4.75
V0156202187	1.562	2.187	0.312	3.85
V0162502000	1.625	2.000	0.187	2.90
V0162502125	1.625	2.125	0.250	2.20
V0162502250	1.625	2.250	0.312	2.95
V0162502375	1.625	2.375	0.375	5.00
V0175002125	1.750	2.125	0.187	3.50
V0175002250	1.750	2.250	0.250	2.15
V0175002265	1.750	2.265	0.258	4.05
V0175002375	1.750	2.375	0.312	2.80
V0175002500	1.750	2.500	0.375	3.60
V0175002750	1.750	2.750	0.500	5.60
V0187502250	1.875	2.250	0.187	3.70

STANDARD VEE PACKING

Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0187502375	1.875	2.375	0.250	2.25
V0187502500	1.875	2.500	0.312	2.90
V0187502625	1.875	2.625	0.375	4.65
V0193702437	1.937	2.437	0.250	3.55
V0193702687	1.937	2.687	0.375	4.35
V0193702812	1.937	2.812	0.437	3.30
V0197002500	1.970	2.500	0.265	3.30
V0197002520	1.970	2.520	0.275	3.30
V0199502525	1.995	2.525	0.265	3.60
V0200002375	2.000	2.375	0.187	4.10
V0200002500	2.000	2.500	0.250	1.90
V0200002625	2.000	2.625	0.312	2.80
V0200002687	2.000	2.687	0.344	4.05
V0200002750	2.000	2.750	0.375	3.30
V0200002875	2.000	2.875	0.437	4.80
V0200003000	2.000	3.000	0.500	5.95
V0212502562	2.125	2.562	0.219	4.75
V0212502625	2.125	2.625	0.250	2.95
V0212502750	2.125	2.750	0.312	3.35
V0212502875	2.125	2.875	0.375	5.70
V0212503000	2.125	3.000	0.437	7.25
V0212503125	2.125	3.125	0.500	9.25
V0218702687	2.187	2.687	0.250	4.20
V0218702937	2.187	2.937	0.375	3.70
V0220002700	2.200	2.700	0.250	2.70
V0222502775	2.225	2.775	0.275	17.30
V0225002625	2.250	2.625	0.187	5.35
V0225002750	2.250	2.750	0.250	2.35
V0225002875	2.250	2.875	0.312	3.95
V0225003000	2.250	3.000	0.375	4.05
V0225003020	2.250	3.020	0.385	7.50
V0225003125	2.250	3.125	0.437	7.50
V0225003250	2.250	3.250	0.500	8.15
V0225003500	2.250	3.500	0.625	14.95
V0227503025	2.275	3.025	0.375	3.95
V0231202687	2.312	2.687	0.187	5.50
V0231202937	2.312	2.937	0.312	5.50
V0237002812	2.370	2.812	0.221	5.30
V0237502875	2.375	2.875	0.250	3.70
V0237503000	2.375	3.000	0.312	4.25
V0237503125	2.375	3.125	0.375	4.75
V0237503375	2.375	3.375	0.500	8.30
V0243703187	2.437	3.187	0.375	7.50
V0243703437	2.437	3.437	0.500	8.75
V0245003000	2.450	3.000	0.275	8.70
V0245003020	2.450	3.020	0.285	8.95
V0250002875	2.500	2.875	0.187	2.90
V0250003000	2.500	3.000	0.250	2.25

Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0250003125	2.500	3.125	0.312	3.40
V0250003250	2.500	3.250	0.375	4.15
V0250003375	2.500	3.375	0.437	7.85
V0250003437	2.500	3.437	0.469	8.70
V0250003500	2.500	3.500	0.500	6.75
V0250003750	2.500	3.750	0.625	14.10
V0258003110	2.580	3.110	0.265	3.85
V0262503000	2.625	3.000	0.187	5.65
V0262503125	2.625	3.125	0.250	3.55
V0262503250	2.625	3.250	0.312	3.80
V0262503375	2.625	3.375	0.375	6.35
V0262503500	2.625	3.500	0.437	9.20
V0270003450	2.700	3.450	0.375	4.95
V0275003250	2.750	3.250	0.250	2.45
V0275003375	2.750	3.375	0.312	3.65
V0275003500	2.750	3.500	0.375	5.15
V0275003625	2.750	3.625	0.437	9.30
V0275003750	2.750	3.750	0.500	9.75
V0275003875	2.750	3.875	0.562	10.70
V0277503525	2.775	3.525	0.375	5.15
V0287503250	2.875	3.250	0.187	4.65
V0287503375	2.875	3.375	0.250	3.10
V0287503500	2.875	3.500	0.312	5.90
V0287503625	2.875	3.625	0.375	8.10
V0287503875	2.875	3.875	0.500	8.80
V0293704250	2.937	4.250	0.657	16.35
V0295003450	2.950	3.450	0.250	3.10
V0295003500	2.950	3.500	0.275	3.80
V0297003520	2.970	3.520	0.275	4.10
V0300003500	3.000	3.500	0.250	2.35
V0300003515	3.000	3.515	0.258	4.40
V0300003520	3.000	3.520	0.260	5.30
V0300003625	3.000	3.625	0.312	5.30
V0300003750	3.000	3.750	0.375	5.50
V0300003875	3.000	3.875	0.437	10.75
V0300004000	3.000	4.000	0.500	6.50
V0300004500	3.000	4.500	0.750	19.05
V0312503500	3.125	3.500	0.187	2.95
V0312503625	3.125	3.625	0.250	3.90
V0312503750	3.125	3.750	0.312	5.65
V0312503875	3.125	3.875	0.375	7.10
V0312504000	3.125	4.000	0.437	8.60
V0312504125	3.125	4.125	0.500	8.95
V0318703937	3.187	3.937	0.375	7.25
V0318704020	3.187	4.020	0.417	7.50
V0320003770	3.200	3.770	0.285	7.30
V0325003625	3.250	3.625	0.187	3.25
V0325003750	3.250	3.750	0.250	3.00

NF
NYLON FEMALE



FF
FABRIC FEMALE



BV
BUNA VEE



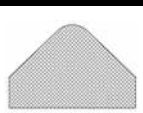
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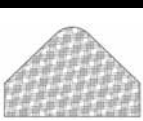
FV
FABRIC VEE



NM
NYLON MALE

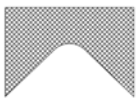


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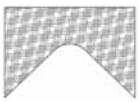


STANDARD VEE PACKING

NF
-40 TO 250F
-40 TO 121C



FF
-40 TO 250F
-40 TO 121C



BV
-40 TO 250F
-40 TO 121C



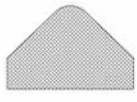
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-40 TO 300F
-40 TO 189C



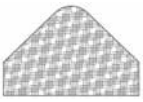
FV
-40 TO 250F
-40 TO 121C



NM
-40 TO 250F
-40 TO 121C



FM
-40 TO 250F
-40 TO 121C



Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0325003875	3.250	3.875	0.312	5.25
V0325004000	3.250	4.000	0.375	5.40
V0325004020	3.250	4.020	0.385	7.55
V0325004250	3.250	4.250	0.500	8.30
V0325004500	3.250	4.500	0.625	15.20
V0327504025	3.275	4.025	0.375	5.70
V0337503875	3.375	3.875	0.250	3.70
V0337504000	3.375	4.000	0.312	5.25
V0337504125	3.375	4.125	0.375	7.10
V0337504375	3.375	4.375	0.500	10.40
V0343703937	3.437	3.937	0.250	4.90
V0345004000	3.450	4.000	0.275	5.20
V0345004250	3.450	4.250	0.400	8.05
V0347504015	3.475	4.015	0.270	6.20
V0348504015	3.485	4.015	0.265	6.20
V0350004000	3.500	4.000	0.250	2.65
V0350004125	3.500	4.125	0.312	6.80
V0350004250	3.500	4.250	0.375	5.25
V0350004500	3.500	4.500	0.500	8.10
V0350005000	3.500	5.000	0.750	17.15
V0358004110	3.580	4.110	0.265	4.40
V0362504062	3.625	4.062	0.219	6.15
V0362504125	3.625	4.125	0.250	5.00
V0362504500	3.625	4.500	0.437	8.30
V0362504625	3.625	4.625	0.500	9.80
V0368704250	3.687	4.250	0.282	7.75
V0375004250	3.750	4.250	0.250	3.30
V0375004375	3.750	4.375	0.312	5.90
V0375004500	3.750	4.500	0.375	6.15
V0375004520	3.750	4.520	0.385	6.45
V0375004750	3.750	4.750	0.500	12.00
V0375005250	3.750	5.250	0.750	22.15
V0377504525	3.775	4.525	0.375	7.20
V0387504375	3.875	4.375	0.250	3.70
V0387504500	3.875	4.500	0.312	7.85
V0387505000	3.875	5.000	0.562	14.35
V0395004500	3.950	4.500	0.275	5.90
V0395004750	3.950	4.750	0.400	8.95
V0397004520	3.970	4.520	0.275	5.25
V0400004500	4.000	4.500	0.250	3.90
V0400004525	4.000	4.525	0.263	7.00
V0400004530	4.000	4.530	0.265	7.00
V0400004562	4.000	4.562	0.281	7.35
V0400004625	4.000	4.625	0.312	7.45
V0400004750	4.000	4.750	0.375	6.80
V0400004875	4.000	4.875	0.437	9.30
V0400005000	4.000	5.000	0.500	9.60
V0400005125	4.000	5.125	0.562	14.55

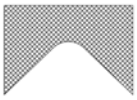
Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0400005250	4.000	5.250	0.625	20.25
V0400005500	4.000	5.500	0.750	27.05
V0402505025	4.025	5.025	0.500	10.15
V0405404570	4.054	4.570	0.258	6.10
V0406204812	4.062	4.812	0.375	9.75
V0412504875	4.125	4.875	0.375	9.80
V0412505000	4.125	5.000	0.437	10.20
V0412505025	4.125	5.025	0.450	11.30
V0412505125	4.125	5.125	0.500	11.35
V0412505250	4.125	5.250	0.562	12.85
V0420004750	4.200	4.750	0.275	10.25
V0423004781	4.230	4.781	0.276	5.90
V0425004750	4.250	4.750	0.250	4.80
V0425004875	4.250	4.875	0.312	6.60
V0425005000	4.250	5.000	0.375	7.85
V0425005125	4.250	5.125	0.437	13.10
V0425005250	4.250	5.250	0.500	16.60
V0425005500	4.250	5.500	0.625	20.45
V0427505025	4.275	5.025	0.375	8.40
V0437504875	4.375	4.875	0.250	7.75
V0437505000	4.375	5.000	0.312	8.40
V0437505375	4.375	5.375	0.500	13.20
V0443704937	4.437	4.937	0.250	6.05
V0443705000	4.437	5.000	0.282	6.95
V0445005000	4.450	5.000	0.275	6.15
V0447505015	4.475	5.015	0.270	7.90
V0447505025	4.475	5.025	0.275	6.35
V0448005031	4.480	5.031	0.276	6.65
V0450005000	4.500	5.000	0.250	3.40
V0450005125	4.500	5.125	0.312	8.05
V0450005250	4.500	5.250	0.375	9.25
V0450005375	4.500	5.375	0.437	10.20
V0450005500	4.500	5.500	0.500	10.60
V0458005080	4.580	5.080	0.250	5.60
V0462505250	4.625	5.250	0.312	9.45
V0462505375	4.625	5.375	0.375	10.20
V0462505625	4.625	5.625	0.500	12.10
V0470005250	4.700	5.250	0.275	9.30
V0470005445	4.700	5.445	0.373	12.20
V0474505380	4.745	5.380	0.318	9.45
V0475005250	4.750	5.250	0.250	5.35
V0475005375	4.750	5.375	0.312	5.80
V0475005500	4.750	5.500	0.375	8.40
V0475005625	4.750	5.625	0.437	9.30
V0475005750	4.750	5.750	0.500	15.05
V0475006000	4.750	6.000	0.625	19.70
V0477505525	4.775	5.525	0.375	10.25
V0487505500	4.875	5.500	0.312	8.70

STANDARD VEE PACKING

Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0493705687	4.937	5.687	0.375	10.85
V0493705937	4.937	5.937	0.500	14.60
V0493706062	4.937	6.062	0.562	16.95
V0495005500	4.950	5.500	0.275	7.00
V0497005520	4.970	5.520	0.275	7.90
V0500005375	5.000	5.375	0.187	6.35
V0500005500	5.000	5.500	0.250	3.90
V0500005530	5.000	5.530	0.265	5.95
V0500005562	5.000	5.562	0.281	6.70
V0500005625	5.000	5.625	0.312	7.85
V0500005750	5.000	5.750	0.375	9.70
V0500005875	5.000	5.875	0.437	11.25
V0500006000	5.000	6.000	0.500	11.75
V0500006040	5.000	6.040	0.520	14.30
V0500006250	5.000	6.250	0.625	30.60
V0500006500	5.000	6.500	0.750	31.70
V0500006750	5.000	6.750	0.875	34.75
V0500007000	5.000	7.000	1.000	38.00
V0512505625	5.125	5.625	0.250	4.35
V0512505750	5.125	5.750	0.312	10.90
V0512506000	5.125	6.000	0.437	11.45
V0518705750	5.187	5.750	0.282	11.15
V0525005750	5.250	5.750	0.250	4.35
V0525006000	5.250	6.000	0.375	9.25
V0525006032	5.250	6.032	0.391	31.90
V0525006250	5.250	6.250	0.500	12.95
V0525006750	5.250	6.750	0.750	28.55
V0527506025	5.275	6.025	0.375	12.75
V0528206010	5.282	6.010	0.364	12.10
V0530006175	5.300	6.175	0.437	14.60
V0531206312	5.312	6.312	0.500	13.65
V0537506000	5.375	6.000	0.312	10.10
V0537506250	5.375	6.250	0.437	13.10
V0537506375	5.375	6.375	0.500	12.60
V0543706437	5.437	6.437	0.500	12.95
V0544505945	5.445	5.945	0.250	5.85
V0547506020	5.475	6.020	0.273	6.70
V0547506025	5.475	6.025	0.275	6.70
V0550006000	5.500	6.000	0.250	4.10
V0550006125	5.500	6.125	0.312	8.90
V0550006250	5.500	6.250	0.375	11.25
V0550006375	5.500	6.375	0.437	16.95
V0550006500	5.500	6.500	0.500	14.10
V0550006625	5.500	6.625	0.562	64.20
V0562506250	5.625	6.250	0.312	16.55
V0562506500	5.625	6.500	0.437	11.45
V0562506625	5.625	6.625	0.500	15.55
V0562506875	5.625	6.875	0.625	29.35

Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0570006450	5.700	6.450	0.375	12.00
V0575006250	5.750	6.250	0.250	5.20
V0575006375	5.750	6.375	0.312	6.75
V0575006500	5.750	6.500	0.375	11.55
V0575006750	5.750	6.750	0.500	13.85
V0575007250	5.750	7.250	0.750	21.90
V0577506525	5.775	6.525	0.375	17.00
V0579506545	5.795	6.545	0.375	13.25
V0587506375	5.875	6.375	0.250	5.70
V0587506437	5.875	6.437	0.281	7.75
V0595006500	5.950	6.500	0.275	6.85
V0597006520	5.970	6.520	0.275	8.10
V0600006500	6.000	6.500	0.250	4.75
V0600006530	6.000	6.530	0.265	7.20
V0600006625	6.000	6.625	0.312	8.10
V0600006750	6.000	6.750	0.375	12.00
V0600007000	6.000	7.000	0.500	14.95
V0600007040	6.000	7.040	0.520	17.55
V0600007250	6.000	7.250	0.625	25.45
V0600007500	6.000	7.500	0.750	34.40
V0625006750	6.250	6.750	0.250	7.75
V0625006875	6.250	6.875	0.312	8.80
V0625007000	6.250	7.000	0.375	11.20
V0625007250	6.250	7.250	0.500	22.20
V0644506945	6.445	6.945	0.250	6.60
V0647507020	6.475	7.020	0.273	11.45
V0647507025	6.475	7.025	0.275	11.45
V0650007000	6.500	7.000	0.250	5.50
V0650007062	6.500	7.062	0.281	12.15
V0650007250	6.500	7.250	0.375	15.60
V0650007500	6.500	7.500	0.500	17.20
V0650007750	6.500	7.750	0.625	30.85
V0650008000	6.500	8.000	0.750	32.20
V0650008500	6.500	8.500	1.000	80.00
V0662507250	6.625	7.250	0.312	16.55
V0668707312	6.687	7.312	0.312	11.60
V0670007250	6.700	7.250	0.275	16.00
V0670007500	6.700	7.500	0.400	12.30
V0675007250	6.750	7.250	0.250	10.65
V0675007375	6.750	7.375	0.312	9.70
V0675007500	6.750	7.500	0.375	14.85
V0675007750	6.750	7.750	0.500	26.20
V0675008000	6.750	8.000	0.625	34.25
V0687507750	6.875	7.750	0.437	18.60
V0694007500	6.940	7.500	0.280	11.15
V0695007500	6.950	7.500	0.275	8.70
V0697007520	6.970	7.520	0.275	9.80
V0700007500	7.000	7.500	0.250	6.85

NF
NYLON FEMALE



FF
FABRIC FEMALE



BV
BUNA VEE



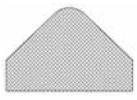
HV
HYTREL VEE



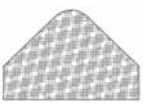
FV
FABRIC VEE



NM
NYLON MALE

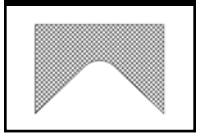


FM
FABRIC MALE

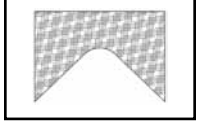


STANDARD VEE PACKING

NF
-40 TO 250F
-40 TO 121C



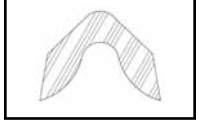
FF
-40 TO 250F
-40 TO 121C



BV
-40 TO 250F
-40 TO 121C



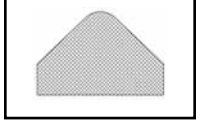
HV
-40 TO 300F
-40 TO 189C



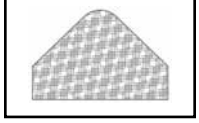
FV
-40 TO 250F
-40 TO 121C



NM
-40 TO 250F
-40 TO 121C



FM
-40 TO 250F
-40 TO 121C



Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0700007530	7.000	7.530	0.265	8.35
V0700007750	7.000	7.750	0.375	17.05
V0700008000	7.000	8.000	0.500	20.45
V0700008040	7.000	8.040	0.520	26.50
V0700008250	7.000	8.250	0.625	28.85
V0700008500	7.000	8.500	0.750	31.65
V0725007750	7.250	7.750	0.250	11.50
V0725008000	7.250	8.000	0.375	22.95
V0725008250	7.250	8.250	0.500	23.75
V0737508000	7.375	8.000	0.312	18.55
V0744507945	7.445	7.945	0.250	8.45
V0745008000	7.450	8.000	0.275	9.05
V0750008000	7.500	8.000	0.250	10.25
V0750008125	7.500	8.125	0.312	18.45
V0750008250	7.500	8.250	0.375	20.60
V0750008500	7.500	8.500	0.500	22.20
V0750008750	7.500	8.750	0.625	27.15
V0750008812	7.500	8.812	0.656	20.40
V0750009000	7.500	9.000	0.750	38.50
V0750010000	7.500	10.000	1.250	95.30
V0762508125	7.625	8.125	0.250	11.70
V0768708312	7.687	8.312	0.312	18.00
V0775008250	7.750	8.250	0.250	11.85
V0775008500	7.750	8.500	0.375	23.65
V0775008514	7.750	8.514	0.382	25.75
V0775008750	7.750	8.750	0.500	27.50
V0787508625	7.875	8.625	0.375	16.90
V0787508875	7.875	8.875	0.500	28.55
V0790508543	7.905	8.543	0.319	12.40
V0795008500	7.950	8.500	0.275	11.45
V0797008520	7.970	8.520	0.275	15.15
V0800008500	8.000	8.500	0.250	7.75
V0800008525	8.000	8.525	0.263	11.95
V0800008530	8.000	8.530	0.265	12.20
V0800008750	8.000	8.750	0.375	18.70
V0800009000	8.000	9.000	0.500	23.30
V0800009250	8.000	9.250	0.625	39.05
V0800009500	8.000	9.500	0.750	40.15
V0804009040	8.040	9.040	0.500	27.70
V0805009050	8.050	9.050	0.500	27.70
V0812508625	8.125	8.625	0.250	10.15
V0812508655	8.125	8.655	0.265	16.15
V0825008750	8.250	8.750	0.250	11.20
V0825009000	8.250	9.000	0.375	18.95
V0844509195	8.445	9.195	0.375	21.70
V0850009000	8.500	9.000	0.250	12.85
V0850009250	8.500	9.250	0.375	17.25
V0850009500	8.500	9.500	0.500	27.40

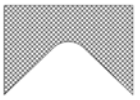
Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V0850010000	8.500	10.000	0.750	41.25
V0850010062	8.500	10.062	0.781	51.80
V0862509625	8.625	9.625	0.500	28.55
V0875009375	8.750	9.375	0.312	20.25
V0875009500	8.750	9.500	0.375	21.75
V0875010000	8.750	10.000	0.625	21.75
V0887509875	8.875	9.875	0.500	23.85
V0894509745	8.945	9.745	0.400	25.40
V0895009500	8.950	9.500	0.275	16.90
V0900009500	9.000	9.500	0.250	18.75
V0900009750	9.000	9.750	0.375	22.20
V0900010000	9.000	10.000	0.500	26.55
V0900010250	9.000	10.250	0.625	46.25
V0900010500	9.000	10.500	0.750	48.15
V0900011000	9.000	11.000	1.000	103.55
V0912509625	9.125	9.625	0.250	17.45
V0912509675	9.125	9.675	0.275	18.75
V0912509750	9.125	9.750	0.312	19.50
V0912509875	9.125	9.875	0.375	25.10
V0912510625	9.125	10.625	0.750	52.25
V0924009790	9.240	9.790	0.275	41.30
V0925009750	9.250	9.750	0.250	13.75
V0937509875	9.375	9.875	0.250	14.70
V0937509905	9.375	9.905	0.265	24.05
V0937510000	9.375	10.000	0.312	28.20
V0942510017	9.425	10.017	0.296	20.95
V0950010000	9.500	10.000	0.250	20.95
V0950010500	9.500	10.500	0.500	35.15
V0962510125	9.625	10.125	0.250	18.75
V0975010500	9.750	10.500	0.375	30.25
V0975011000	9.750	11.000	0.625	47.15
V0987510625	9.875	10.625	0.375	32.25
V0987510875	9.875	10.875	0.500	35.05
V1000011000	10.000	11.000	0.500	37.65
V1000011250	10.000	11.250	0.625	45.90
V1000011500	10.000	11.500	0.750	50.75
V1044511245	10.445	11.245	0.400	33.80
V1050011000	10.500	11.000	0.250	19.55
V1050011250	10.500	11.250	0.375	40.95
V1050011500	10.500	11.500	0.500	48.15
V1050012000	10.500	12.000	0.750	157.60
V1062511375	10.625	11.375	0.375	44.95
V1062511750	10.625	11.750	0.562	47.25
V1062512125	10.625	12.125	0.750	63.60
V1075011500	10.750	11.500	0.375	34.00
V1075011750	10.750	11.750	0.500	34.10
V1075012000	10.750	12.000	0.625	51.90
V1087511875	10.875	11.875	0.500	37.10

STANDARD VEE PACKING

Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V1100011750	11.000	11.750	0.375	41.90
V1100012000	11.000	12.000	0.500	43.40
V1100012250	11.000	12.250	0.625	149.05
V1125012000	11.250	12.000	0.375	44.35
V1150013250	11.500	13.250	0.875	124.70
V1175013000	11.750	13.000	0.625	280.85
V1175013250	11.750	13.250	0.750	60.75
V1187512875	11.875	12.875	0.500	56.65
V1200013000	12.000	13.000	0.500	55.10
V1200013250	12.000	13.250	0.625	60.45
V1250013750	12.500	13.750	0.625	65.80
V1250014000	12.500	14.000	0.750	70.85
V1275014000	12.750	14.000	0.625	74.55
V1300014000	13.000	14.000	0.500	59.35

Ref. Number	Nominal Packing Dimensions			$
	d	D	Section	
V1300014500	13.000	14.500	0.750	66.45
V1350015000	13.500	15.000	0.750	68.70
V1400015000	14.000	15.000	0.500	79.25
V1425015500	14.250	15.500	0.625	81.90
V1500016000	15.000	16.000	0.500	84.55
V1500016250	15.000	16.250	0.625	86.50
V1600017500	16.000	17.500	0.750	80.15
V1700018000	17.000	18.000	0.500	78.05
V1725018000	17.250	18.000	0.375	76.10
V1850020000	18.500	20.000	0.750	114.65
V1900020000	19.000	20.000	0.500	91.20
V1900020250	19.000	20.250	0.625	103.95
V2200023500	22.000	23.500	0.750	115.30
V2250024000	22.500	24.000	0.750	521.90

NF
NYLON FEMALE



FF
FABRIC FEMALE



BV
BUNA VEE



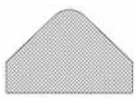
HV
HYTREL VEE



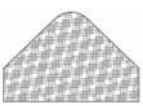
FV
FABRIC VEE



NM
NYLON MALE



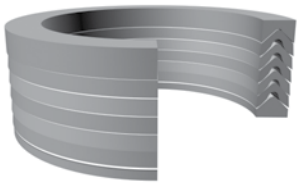
FM
FABRIC MALE

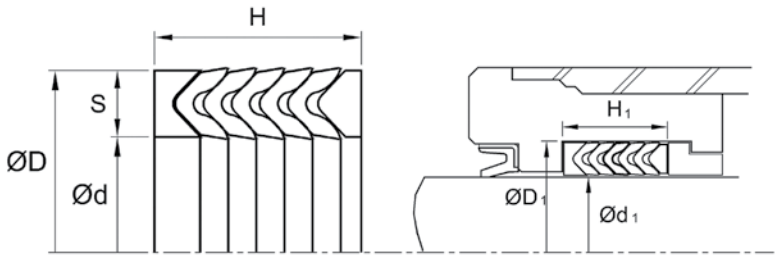




Standard Vee Sets

Nylon/Hytrel/Neofab





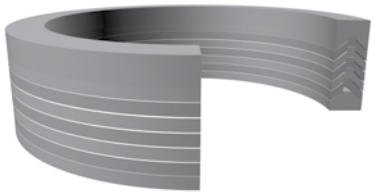
Temperature: -40/250F [-40/121C] **Pressure: 5000 PSI [413 Bar]**

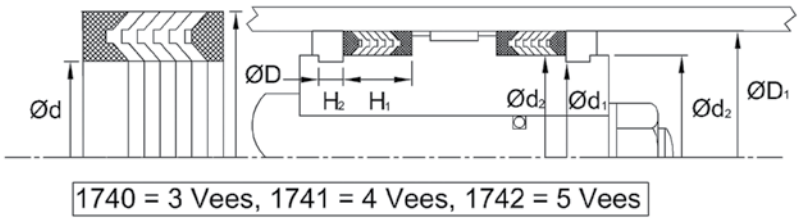
Ref.Number	Nominal Seal Dimensions			$
	d	D	C/S	
V0050001000VS-1231	0.500	1.000	0.250	14.75
V0062501125VS-1231	0.625	1.125	0.250	12.70
V0075001250VS-1231	0.750	1.250	0.250	13.15
V0075001375VS-1231	0.750	1.375	0.312	25.20
V0087501250VS-1231	0.875	1.250	0.187	16.60
V0087501375VS-1231	0.875	1.375	0.250	17.55
V0100001375VS-1231	1.000	1.375	0.187	12.65
V0100001500VS-1231	1.000	1.500	0.250	11.95
V0100001625VS-1231	1.000	1.625	0.312	21.15
V0100001750VS-1231	1.000	1.750	0.375	21.80
V0112501625VS-1231	1.125	1.625	0.250	13.75
V0125001750VS-1231	1.250	1.750	0.250	12.35
V0125001875VS-1231	1.250	1.875	0.312	19.45
V0125002000VS-1231	1.250	2.000	0.375	21.55
V0137501875VS-1231	1.375	1.875	0.250	11.35
V0137502000VS-1231	1.375	2.000	0.312	18.45
V0150002000VS-1231	1.500	2.000	0.250	12.30
V0150002125VS-1231	1.500	2.125	0.312	16.00
V0150002250VS-1231	1.500	2.250	0.375	20.70
V0162502250VS-1231	1.625	2.250	0.312	20.30
V0175002250VS-1231	1.750	2.250	0.250	14.75
V0175002375VS-1231	1.750	2.375	0.312	15.20
V0175002750VS-1231	1.750	2.750	0.500	39.10
V0187502375VS-1231	1.875	2.375	0.250	15.50
V0187502500VS-1231	1.875	2.500	0.312	20.00
V0200002500VS-1231	2.000	2.500	0.250	12.95
V0200002625VS-1231	2.000	2.625	0.312	19.50
V0200002750VS-1231	2.000	2.750	0.375	22.80
V0200003000VS-1231	2.000	3.000	0.500	41.40
V0212502750VS-1231	2.125	2.750	0.312	23.10
V0225002750VS-1231	2.250	2.750	0.250	16.10
V0225002875VS-1231	2.250	2.875	0.312	27.50
V0225003000VS-1231	2.250	3.000	0.375	27.95
V0250003000VS-1231	2.500	3.000	0.250	15.50
V0250003125VS-1231	2.500	3.125	0.312	23.80
V0250003250VS-1231	2.500	3.250	0.375	28.60
V0275003250VS-1231	2.750	3.250	0.250	16.90
V0275003500VS-1231	2.750	3.500	0.375	29.75

Ref.Number	Nominal Seal Dimensions			$
	d	D	C/S	
V0300003500VS-1231	3.000	3.500	0.250	16.10
V0300003750VS-1231	3.000	3.750	0.375	35.15
V0300004000VS-1231	3.000	4.000	0.500	45.20
V0325003750VS-1231	3.250	3.750	0.250	20.75
V0325004000VS-1231	3.250	4.000	0.375	37.80
V0350004000VS-1231	3.500	4.000	0.250	18.05
V0350004250VS-1231	3.500	4.250	0.375	36.50
V0350004500VS-1231	3.500	4.500	0.500	56.45
V0375004250VS-1231	3.750	4.250	0.250	22.85
V0375004500VS-1231	3.750	4.500	0.375	40.00
V0400004500VS-1231	4.000	4.500	0.250	25.80
V0400004750VS-1231	4.000	4.750	0.375	42.60
V0400005000VS-1231	4.000	5.000	0.500	60.65
V0425004750VS-1231	4.250	4.750	0.250	33.50
V0425005000VS-1231	4.250	5.000	0.375	54.75
V0450005000VS-1231	4.500	5.000	0.250	23.70
V0450005250VS-1231	4.500	5.250	0.375	64.60
V0475005250VS-1231	4.750	5.250	0.250	37.25
V0475005500VS-1231	4.750	5.500	0.375	54.95
V0500005500VS-1231	5.000	5.500	0.250	26.95
V0500006000VS-1231	5.000	6.000	0.500	81.75
V0512505625VS-1231	5.125	5.625	0.250	30.20
V0525006000VS-1231	5.250	6.000	0.375	64.35
V0550006000VS-1231	5.500	6.000	0.250	28.35
V0600006500VS-1231	6.000	6.500	0.250	33.10
V0700007500VS-1231	7.000	7.500	0.250	44.85
V0800008500VS-1231	8.000	8.500	0.250	53.90
V0550006500VS-1231	5.500	6.500	0.500	98.55

Hydrolock Vee Set

Hytrel/Nylon





1740 = 3 Vees, 1741 = 4 Vees, 1742 = 5 Vees

Temperature: -40/220F [-40/104] **Pressure: 6000 PSI [415 BAR]**

Ref.Number	Bore diameter	Nominal Seal Dimensions				Housing Dimensions						$
						d1	d2	1740	1741	1742	H2	
	Tol.	D	d	H	BEARING	+.000/-.003	+.005/-.005	H1 - TOL: +.005/-.000			+.005/-.000	
1742-200	2.000 +.003 / -.000	2.000	1.500			1.250	1.500	0.750	0.875	1.000	0.252	40.35
1742-200-100-FB	2.000 +.003 / -.000	2.000	1.500		1.000	1.250	1.500	1.500	1.625	1.750	0.252	44.45
1742-225	2.250 +.003 / -.000	2.250	1.750			1.500	1.750	0.750	0.875	1.000	0.252	29.95
1742-225-100-FB	2.250 +.003 / -.000	2.250	1.750		1.000	1.500	1.750	1.500	1.625	1.750	0.252	48.75
1742-250	2.500 +.003 / -.000	2.500	2.000			1.750	2.000	0.750	0.875	1.000	0.252	32.45
1742-250-100-FB	2.500 +.003 / -.000	2.500	2.000		1.000	1.750	2.000	1.500	1.625	1.750	0.252	52.00
1742-275	2.750 +.003 / -.000	2.750	2.250			2.000	2.250	0.750	0.875	1.000	0.252	35.60
1742-275-100-FB	2.750 +.003 / -.000	2.750	2.250		1.000	2.000	2.250	1.500	1.625	1.750	0.252	53.05
1742-300	3.000 +.004 / -.000	3.000	2.500			2.250	2.500	0.750	0.875	1.000	0.252	34.65
1742-300-100-FB	3.000 +.004 / -.000	3.000	2.500		1.000	2.250	2.500	1.500	1.625	1.750	0.252	51.60
1742-325	3.250 +.004 / -.000	3.250	2.750			2.500	2.750	0.750	0.875	1.000	0.252	36.10
1742-325-100-FB	3.250 +.004 / -.000	3.250	2.750		1.000	2.500	2.750	1.500	1.625	1.750	0.252	56.30
1742-350	3.500 +.004 / -.000	3.500	3.000			2.750	3.000	0.750	0.875	1.000	0.252	37.40
1742-350-100-FB	3.500 +.004 / -.000	3.500	3.000		1.000	2.750	3.000	1.500	1.625	1.750	0.252	56.80
1742-375	3.750 +.004 / -.000	3.750	3.250			3.000	3.250	0.750	0.875	1.000	0.252	40.00
1742-375-100-FB	3.750 +.004 / -.000	3.750	3.250		1.000	3.000	3.250	1.500	1.625	1.750	0.252	63.30
1742-400	4.000 +.004 / -.000	4.000	3.500			3.250	3.500	0.750	0.875	1.000	0.377	41.75
1742-400-100-FB	4.000 +.004 / -.000	4.000	3.500		1.000	3.250	3.500	1.500	1.625	1.750	0.377	71.50
1742-450	4.500 +.004 / -.000	4.500	4.000			3.750	4.000	0.750	0.875	1.000	0.377	46.80
1742-450-100-FB	4.500 +.004 / -.000	4.500	4.000		1.000	3.750	4.000	1.500	1.625	1.750	0.377	74.90
1742-500	5.000 +.004 / -.000	5.000	4.500			4.125	4.500	0.750	0.875	1.000	0.377	74.65
1742-500-100-FB	5.000 +.004 / -.000	5.000	4.500		1.000	4.125	4.500	1.500	1.625	1.750	0.377	83.65
1742-550	5.500 +.004 / -.000	5.500	5.000			4.625	5.000	0.750	0.875	1.000	0.377	78.05
1742-550-100-FB	5.500 +.004 / -.000	5.500	5.000		1.000	4.620	5.000	1.500	1.625	1.750	0.377	90.95
1742-600	6.000 +.004 / -.000	6.000	5.500			5.125	5.500	0.750	0.875	1.000	0.377	88.00
1742-600-100-FB	6.000 +.004 / -.000	6.000	5.500		1.000	5.125	5.500	1.500	1.625	1.750	0.377	92.00
1742-650	6.500 +.004 / -.000	6.500	6.000			5.625	6.000	0.750	0.875	1.000	0.377	102.20
1742-650-100-FB	6.500 +.004 / -.000	6.500	6.000		1.000	5.625	6.000	1.500	1.625	1.750	0.377	127.65
1742-700	7.000 +.005 / -.000	7.000	6.500			6.125	6.500	0.750	0.875	1.000	0.377	93.40
1742-700-100-FB	7.000 +.005 / -.000	7.000	6.500		1.000	6.125	6.500	1.500	1.625	1.750	0.377	152.30
1742-750	7.500 +.005 / -.000	7.500	7.000			6.625	7.000	0.750	0.875	1.000	0.377	97.40
1742-750-100-FB	7.500 +.005 / -.000	7.500	7.000		1.000	6.625	7.000	1.500	1.625	1.750	0.377	162.40
1742-800	8.000 +.005 / -.000	8.000	7.500			7.125	7.500	0.800	0.925	1.050	0.377	112.15
1742-800-100-FB	8.000 +.005 / -.000	8.000	7.500		1.000	7.125	7.500	1.500	1.625	1.750	0.377	170.95
1742-850	8.500 +.005 / -.000	8.500	8.000			7.625	8.000	0.800	0.925	1.050	0.377	139.75
1742-850-100-FB	8.500 +.005 / -.000	8.500	8.000		1.000	7.625	8.000	1.500	1.625	1.750	0.377	176.25
1742-900	9.000 +.005 / -.000	9.000	8.500			8.125	8.500	0.800	0.925	1.050	0.377	197.20
1742-900-100-FB	9.000 +.005 / -.000	9.000	8.500		1.000	8.125	8.500	1.500	1.625	1.750	0.377	215.70

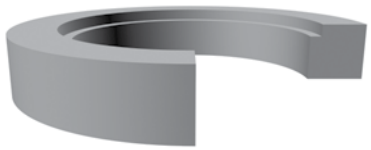
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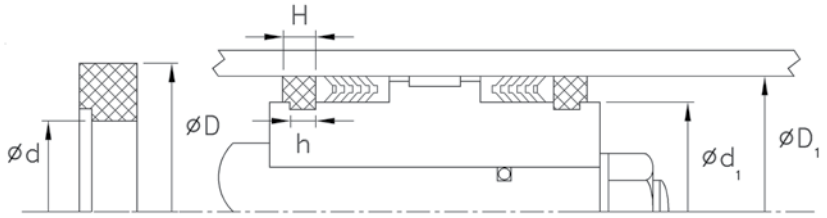
HYDROLOCK VEE SETS SERIES - HYTREL/NYLON

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions						$
							d1	d2	1740	1741	1742	H2	
		Tol.	D	d	H	BEARING	+.000/-.003	+.005/-.005	H1 - TOL: +.005/-.000			+.005/-.000	
1742-950	9.500	+.005 / -.000	9.500	9.000			8.625	9.000	0.800	0.925	1.050	0.377	227.90
1742-950-100-FB	9.500	+.005 / -.000	9.500	9.000		1.000	8.625	9.000	1.500	1.625	1.750	0.377	274.15
1742-1000	10.000	+.005 / -.000	10.000	9.500			9.125	9.500	0.800	0.925	1.050	0.377	244.50
1742-1000-100-FB	10.000	+.005 / -.000	10.000	9.500		1.000	9.125	9.500	1.500	1.625	1.750	0.377	324.60
1742-1100	11.000	+.005 / -.000	11.000	10.500		1.000	10.125	10.500	1.500	1.625	1.750	0.377	427.80
1742-1100-100-FB	11.000	+.005 / -.000	11.000	10.500		1.000	10.125	10.500	1.500	1.625	1.750	0.377	516.45

Guidelocks - Vee Packing

Nylon





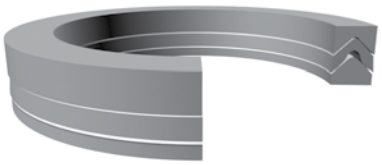
Temperature: -40/220F [-40/104] **Pressure:**

Ref.Number	Groove Dimensions				$
	D	d	h	H	
550-200	2.000	1.250	0.255	0.312	19.55
550-225	2.250	1.500	0.255	0.335	20.70
550-250	2.500	1.750	0.255	0.335	21.40
550-300	3.000	2.250	0.255	0.340	22.15
550-350	3.500	2.750	0.255	0.340	24.00
550-400	4.000	3.250	0.380	0.485	29.00
550-450	4.500	3.750	0.380	0.485	31.90
550-500	5.000	4.125	0.380	0.485	33.75
550-550	5.500	4.625	0.380	0.485	36.55
550-600	6.000	5.125	0.380	0.485	40.15
550-650	6.500	5.625	0.380	0.485	47.90
550-700	7.000	6.125	0.380	0.485	51.60

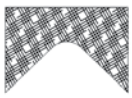
Ref.Number	Groove Dimensions				$
	D	d	h	H	
550-750	7.500	6.625	0.380	0.485	55.80
550-800	8.000	7.125	0.380	0.485	59.55
550-850	8.500	7.625	0.380	0.485	71.60
550-900	9.000	8.125	0.380	0.485	81.10
550-950	9.500	8.625	0.380	0.485	85.85
550-1000	10.000	9.125	0.380	0.485	O/R
550-1100	11.000	10.125	0.380	0.485	O/R

Vee Coil - Vee Packings

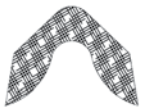
Neo-Fabric



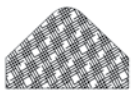




FEMALE (F)



CENTER RING (V)



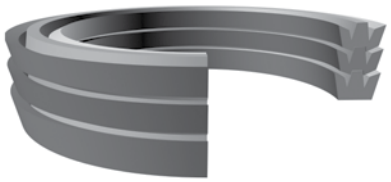
MALE (M)

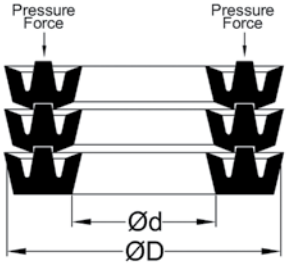
Temperature: -40/250F [-40/121C] **Pressure: N/A**

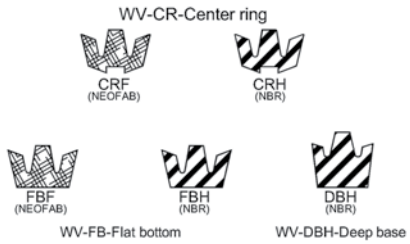
Ref.Number	Nominal Packing Dimensions		$ Per Foot
	Section	Mandrel	
VC00250F-02	0.250	2.000	25.25
VC00250M-02	0.250	2.000	7.45
VC00250V-02	0.250	2.000	14.45
VC00250F-04	0.250	4.000	28.85
VC00250M-04	0.250	4.000	13.15
VC00250V-04	0.250	4.000	14.40
VC00312F-02	0.312	2.000	28.00
VC00312M-02	0.312	2.000	12.90
VC00312V-02	0.312	2.000	17.80
VC00312F-05	0.312	5.000	28.00
VC00312M-05	0.312	5.000	13.60
VC00312V-05	0.312	5.000	17.60
VC00375F-03	0.375	3.000	33.70
VC00375M-03	0.375	3.000	15.60
VC00375V-03	0.375	3.000	20.90
VC00375F-06	0.375	6.000	33.75
VC00375M-06	0.375	6.000	15.50
VC00375V-06	0.375	6.000	20.95
VC00437F-04	0.437	4.000	39.20
VC00437M-04	0.437	4.000	17.85
VC00437V-04	0.437	4.000	23.55
VC00437F-09	0.437	9.000	39.10
VC00437M-09	0.437	9.000	16.90
VC00437V-09	0.437	9.000	23.45
VC00500F-04	0.500	4.000	45.00
VC00500M-04	0.500	4.000	20.45
VC00500V-04	0.500	4.000	25.55
VC00500F-09	0.500	9.000	44.85
VC00500M-09	0.500	9.000	20.45
VC00500V-09	0.500	9.000	25.70
VC00562F-05	0.562	5.000	49.30
VC00562M-05	0.562	5.000	22.05
VC00562V-05	0.562	5.000	28.10
VC00562F-11	0.562	11.000	49.25
VC00562M-11	0.562	11.000	22.05
VC00562V-11	0.562	11.000	28.25
VC00625F-05	0.625	5.000	53.90
VC00625M-05	0.625	5.000	23.85

Ref.Number	Nominal Packing Dimensions		$ Per Foot
	Section	Mandrel	
VC00625V-05	0.625	5.000	30.45
VC00625F-11	0.625	11.000	54.00
VC00625M-11	0.625	11.000	23.75
VC00625V-11	0.625	11.000	30.40
VC00750F-09	0.750	9.000	61.65
VC00750M-09	0.750	9.000	28.00
VC00750V-09	0.750	9.000	36.00
VC00750F-13	0.750	13.000	61.65
VC00750M-13	0.750	13.000	26.20
VC00750V-13	0.750	13.000	35.95
VC00750F-24	0.750	24.000	61.65
VC00750M-24	0.750	24.000	26.20
VC00750V-24	0.750	24.000	35.95
VC00875F-11	0.750	11.000	78.65
VC00875M-11	0.875	11.000	35.75
VC00875V-11	0.875	11.000	41.90
VC00875F-16	0.875	16.000	78.65
VC00875M-16	0.875	16.000	35.80
VC00875V-16	0.875	16.000	41.80
VC00875F-24	0.875	24.000	78.65
VC00875M-24	0.875	24.000	35.80
VC00875V-24	0.875	24.000	41.80
VC01000F-13	1.000	13.000	92.60
VC01000M-13	1.000	13.000	42.40
VC01000V-13	1.000	13.000	49.65
VC01000F-18	1.000	18.000	93.55
VC01000M-18	1.000	18.000	42.55
VC01000V-18	1.000	18.000	49.15
VC01000F-24	1.000	24.000	93.55
VC01000M-24	1.000	24.000	42.55
VC01000V-24	1.000	24.000	49.15

WV - Vee Packings







Temperature: -40/250F [-40/121C] **Pressure: N/A**

Ref.Number Prefix	Nominal Packing Dimensions			$				
	d	D	Section	CRF	CRH	FBF	FBH	DBH
WV88	0.375	0.875	0.250	5.95	5.95	5.95	5.95	5.95
WV87	0.500	0.875	0.187	5.95	5.95	5.95	5.95	5.95
WV99	0.500	1.000	0.250	5.95	5.95	5.95	5.95	5.95
WV100	0.625	1.000	0.187	5.95	5.95	5.95	5.95	5.95
WV124	0.625	1.125	0.250	6.05	6.05	6.05	6.05	6.05
WV118	0.625	1.187	0.281	8.05	8.05	8.05	8.05	8.05
WV126	0.625	1.250	0.312	7.30	7.30	7.30	7.30	7.30
WV125	0.750	1.250	0.250	6.15	6.15	6.15	6.15	6.15
WV148	0.750	1.500	0.375	9.70	9.70	9.70	9.70	9.70
WV138	0.875	1.375	0.250	6.40	6.40	6.40	6.40	6.40
WV137	1.000	1.375	0.187	6.10	6.10	6.10	6.10	6.10
WV150	1.000	1.500	0.250	6.60	6.60	6.60	6.60	6.60
WV161	1.000	1.625	0.312	6.60	6.60	6.60	6.60	6.60
WV173	1.000	1.750	0.375	9.85	9.85	9.85	9.85	9.85
WV162	1.125	1.625	0.250	6.65	6.65	6.65	6.65	6.65
WV174	1.125	1.750	0.312	7.75	7.75	7.75	7.75	7.75
WV175	1.250	1.750	0.250	6.75	6.75	6.75	6.75	6.75
WV186	1.250	1.875	0.312	7.80	7.80	7.80	7.80	7.80
WV202	1.250	2.000	0.375	9.90	9.90	9.90	9.90	9.90
WV177	1.375	1.750	0.187	6.80	6.80	6.80	6.80	6.80
WV187	1.375	1.875	0.250	5.00	5.00	5.00	5.00	5.00
WV201	1.375	2.000	0.312	7.85	7.85	7.85	7.85	7.85
WV203	1.375	2.000	0.312	7.85	7.85	7.85	7.85	7.85
WV215	1.375	2.125	0.375	10.25	10.25	10.25	10.25	10.25
WV200	1.500	2.000	0.250	7.45	7.45	7.45	7.45	7.45
WV212	1.500	2.125	0.312	7.95	7.95	7.95	7.95	7.95
WV223	1.500	2.250	0.375	10.55	10.55	10.55	10.55	10.55
WV214	1.625	2.125	0.250	8.05	8.05	8.05	8.05	8.05
WV224	1.625	2.250	0.312	9.90	9.90	9.90	9.90	9.90
WV213	1.750	2.125	0.187	7.50	7.50	7.50	7.50	7.50
WV225	1.750	2.250	0.250	8.05	8.05	8.05	8.05	8.05
WV235	1.750	2.375	0.312	8.05	8.05	8.05	8.05	8.05
WV251	1.750	2.375	0.312	10.90	10.90	10.90	10.90	10.90
WV270	1.750	2.750	0.500	14.65	14.65	14.65	14.65	14.65
WV237	1.875	2.375	0.250	7.30	7.30	7.30	7.30	7.30
WV249	1.875	2.500	0.312	8.10	8.10	8.10	8.10	8.10
WV252	1.875	2.500	0.312	9.50	9.50	9.50	9.50	9.50
WV250	2.000	2.500	0.250	7.50	7.50	7.50	7.50	7.50

WV SERIES - NEO & NBR

Ref.Number Prefix	Nominal Packing Dimensions			$				
	d	D	Section	CRF	CRH	FBF	FBH	DBH
WV263	2.000	2.625	0.312	8.10	8.10	8.10	8.10	8.10
WV275	2.000	2.750	0.375	12.00	12.00	12.00	12.00	12.00
WV300	2.000	3.000	0.500	14.70	14.70	14.70	14.70	14.70
WV262	2.125	2.625	0.250	7.65	7.65	7.65	7.65	7.65
WV276	2.125	2.750	0.312	8.15	8.15	8.15	8.15	8.15
WV282	2.125	2.875	0.375	12.10	12.10	12.10	12.10	12.10
WV274	2.187	2.750	0.281	8.05	8.05	8.05	8.05	8.05
WV277	2.250	2.750	0.250	9.00	9.00	9.00	9.00	9.00
WV302	2.250	3.000	0.375	12.65	12.65	12.65	12.65	12.65
WV304	2.375	3.000	0.312	8.95	8.95	8.95	8.95	8.95
WV313	2.375	3.125	0.375	12.95	12.95	12.95	12.95	12.95
WV301	2.500	3.000	0.250	8.10	8.10	8.10	8.10	8.10
WV325	2.500	3.250	0.375	13.25	13.25	13.25	13.25	13.25
WV312	2.625	3.125	0.250	8.40	8.40	8.40	8.40	8.40
WV324	2.625	3.250	0.312	10.45	10.45	10.45	10.45	10.45
WV336	2.625	3.375	0.375	14.25	14.25	14.25	14.25	14.25
WV326	2.750	3.250	0.250	9.30	9.30	9.30	9.30	9.30
WV337	2.750	3.375	0.312	11.45	11.45	11.45	11.45	11.45
WV350	2.750	3.500	0.375	14.70	14.70	14.70	14.70	14.70
WV352	2.937	3.500	0.281	9.10	9.10	9.10	9.10	9.10
WV351	3.000	3.500	0.250	9.10	9.10	9.10	9.10	9.10
WV361	3.000	3.625	0.312	13.60	13.60	13.60	13.60	13.60
WV375	3.000	3.750	0.375	16.00	16.00	16.00	16.00	16.00
WV400	3.000	4.000	0.500	19.70	19.70	19.70	19.70	19.70
WV362	3.125	3.625	0.250	9.35	9.35	9.35	9.35	9.35
WV381	3.187	3.812	0.312	13.65	13.65	13.65	13.65	13.65
WV387	3.250	3.875	0.312	13.75	13.75	13.75	13.75	13.75
WV401	3.250	4.000	0.375	16.90	16.90	16.90	16.90	16.90
WV424	3.250	4.250	0.500	27.05	27.05	27.05	27.05	27.05
WV405	3.375	4.000	0.312	14.70	14.70	14.70	14.70	14.70
WV406	3.437	4.000	0.281	12.20	12.20	12.20	12.20	12.20
WV402	3.500	4.000	0.250	10.40	10.40	10.40	10.40	10.40
WV412	3.500	4.125	0.312	15.45	15.45	15.45	15.45	15.45
WV425	3.500	4.250	0.375	17.90	17.90	17.90	17.90	17.90
WV450	3.500	4.500	0.500	26.10	26.10	26.10	26.10	26.10
WV426	3.687	4.250	0.281	13.45	13.45	13.45	13.45	13.45
WV451	3.750	4.500	0.375	18.55	18.55	18.55	18.55	18.55
WV455	4.000	4.500	0.250	11.45	11.45	11.45	11.45	11.45
WV475	4.000	4.750	0.375	21.20	21.20	21.20	21.20	21.20
WV487	4.000	4.875	0.437	25.15	25.15	25.15	25.15	25.15
WV500	4.000	5.000	0.500	29.35	29.35	29.35	29.35	29.35
WV502	4.125	5.000	0.437	26.20	26.20	26.20	26.20	26.20
WV501	4.250	5.000	0.375	22.45	22.45	22.45	22.45	22.45
WV526	4.250	5.250	0.500	29.95	29.95	29.95	29.95	29.95
WV505	4.375	5.000	0.312	17.75	17.75	17.75	17.75	17.75
WV506	4.437	5.000	0.281	12.90	12.90	12.90	12.90	12.90
WV504	4.500	5.000	0.250	13.40	13.40	13.40	13.40	13.40
WV553	4.500	5.500	0.500	30.20	30.20	30.20	30.20	30.20

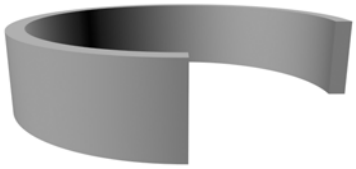
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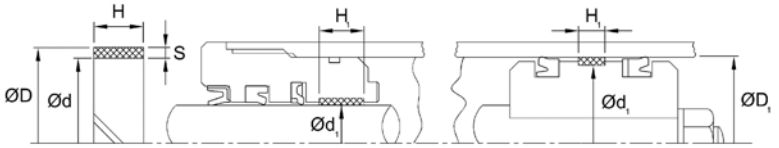
Ref.Number Prefix	Nominal Packing Dimensions			$				
	d	D	Section	CRF	CRH	FBF	FBH	DBH
WV554	4.750	5.500	0.375	22.85	22.85	22.85	22.85	22.85
WV562	4.875	5.625	0.375	23.25	23.25	23.25	23.25	23.25
WV575	4.875	5.750	0.437	32.90	32.90	32.90	32.90	32.90
WV568	4.937	5.687	0.375	23.70	23.70	23.70	23.70	23.70
WV551	5.000	5.500	0.250	14.95	14.95	14.95	14.95	14.95
WV576	5.000	5.750	0.375	23.70	23.70	23.70	23.70	23.70
WV603	5.000	6.000	0.500	30.85	30.85	30.85	30.85	30.85
WV605	5.125	6.000	0.437	32.50	32.50	32.50	32.50	32.50
WV606	5.250	6.000	0.375	24.70	24.70	24.70	24.70	24.70
WV625	5.250	6.250	0.500	31.45	31.45	31.45	31.45	31.45
WV604	5.375	6.000	0.312	23.35	23.35	23.35	23.35	23.35
WV600	5.500	6.000	0.250	16.00	16.00	16.00	16.00	16.00
WV676	5.750	6.750	0.500	33.65	33.65	33.65	33.65	33.65
WV650	6.000	6.500	0.250	17.55	17.55	17.55	17.55	17.55
WV700	6.000	7.000	0.500	34.20	34.20	34.20	34.20	34.20
WV800	7.000	8.000	0.500	40.60	40.60	40.60	40.60	40.60
WV807	7.375	8.000	0.312	31.15	31.15	31.15	31.15	31.15
WV900	8.000	9.000	0.500	59.40	59.40	59.40	59.40	59.40
WV950	8.500	9.500	0.500	59.25	59.25	59.25	59.25	59.25
WV1000	9.000	10.000	0.500	62.10	62.10	62.10	62.10	62.10
WV1009	9.250	10.000	0.375	54.80	54.80	54.80	54.80	54.80
WV1100	10.000	11.000	0.500	64.95	64.95	64.95	64.95	64.95
WV1152	10.250	11.500	0.625	101.40	101.40	101.40	101.40	101.40
WV1150	10.500	11.500	0.500	80.90	80.90	80.90	80.90	80.90
WV1801	16.750	18.000	0.625	194.40	194.40	194.40	194.40	194.40
WV2250	21.000	22.500	0.750	238.35	238.35	238.35	238.35	238.35



	W1, W2, W3, W4, WR	F	2
	WR-CAT PISTON	F	12
	WR-CAT ROD	F	15
	TWR	F	16
	WS-BR60	F	17
	BRG. TELESCOPIC	F	18
	BEARING-CAT	F	20
INFO	DU REF. TABLE	F	22
	DU BEARING	F	24
	DU F.STRIP	F	27
	DU FLANGED BRG	F	28
	DU T. WASHER	F	29
	SBB/Z	F	30
	SBB-2RS/Z	F	31

WEAR RING
W1, W2, W3, W4, WR
Nylon





Temperature: -40/250F [-40/121C] **Pressure:**

Formula for calculating rod wear ring grooves

D1 Min.Groove Dia. = d Max.Rod Dia.
+ 2 (Max.Wear Ring C/S)
D1 tolerance = +.003/-.000

d1 Min.Throat Dia. = [D1 - 2(Min.Wear Ring C/S)] + 2(Min. Radial Clearance of .005).
d1 tolerance = +.003/-.000

H1 Groove Length = Actual Part Height + .010
H1 tolerance = +.010/-.000

NOTES:
1. Rod throat diameter d1 is a new diameter over and above the diameter which is normally called out for the rod seal. Additional diameter clearance is required as noted for the wear ring to function properly. Since a larger clearance gap results, consideration as to the rod seal compounds must be made to avoid rod seal extrusion.

2. Also consider wear ring groove design for small diameter sizes. Installation problems on small sizes will occur if the groove design is not compensated.

Formula for calculating piston wear ring Grooves

d1 Max.Groove Dia. = D1 Min.Bore Dia.
- 2 (Max. Wear Ring C/S)
d1 tolerance = +.000/-.005

P Max.Piston Dia. = [d1 Min.Groove Dia. + 2(Min.Wear Ring C/S)] - 2(Min. Radial Clearance of .005).
P tolerance = +.000/-.005

H1 Groove Length = Actual Part Height + .010
H1 tolerance = +.010/-.000

NOTES:
1. The piston diameter P will not correspond to diameters called out for the piston seals. Additional clearances are required for wear ring use. Be sure the entire outside diameter of the piston is no larger than P. Be sure the piston seal compound is considered to prevent extrusion of the piston seal with the new increased diameter clearance.

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W1, W2, W3, W4, WR SERIES - NYLON

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/16" - Cross Section - 0.062"						
W1006250500	0.625	0.500	0.625	0.500	0.062	6.85
W1008750500	0.875	0.750	0.875	0.500	0.062	11.95
W1011250500	1.125	1.000	1.125	0.500	0.062	7.45
W1013750980	1.375	1.250	1.375	0.980	0.062	12.00
W1015000500	1.500	1.375	1.500	0.500	0.062	7.80
W1016250980	1.625	1.500	1.625	0.980	0.062	15.75
W1016251000	1.625	1.500	1.625	1.000	0.062	7.35
W1016251250	1.625	1.500	1.625	1.250	0.062	23.75
W1016500500	1.650	1.525	1.650	0.500	0.062	8.55
W1016700500	1.670	1.545	1.670	0.500	0.062	9.25
W1017500500	1.750	1.625	1.750	0.500	0.062	15.70
W1018750980	1.875	1.750	1.875	0.980	0.062	15.80
W1018751000	1.875	1.750	1.875	1.000	0.062	7.35
W1020000260	2.000	1.875	2.000	0.260	0.062	21.40
W1020000312	2.000	1.875	2.000	0.312	0.062	19.80
W1020000730	2.000	1.875	2.000	0.730	0.062	24.25
W1020000980	2.000	1.875	2.000	0.980	0.062	21.65
W1021250750	2.125	2.000	2.125	0.750	0.062	18.00
W1021251000	2.125	2.000	2.125	1.000	0.062	12.00
W1021251250	2.125	2.000	2.125	1.250	0.062	30.50
W1022500370	2.250	2.125	2.250	0.370	0.062	18.85
W1022500730	2.250	2.125	2.250	0.730	0.062	26.70
W1022500980	2.250	2.125	2.250	0.980	0.062	27.45
W1023750980	2.375	2.250	2.375	0.980	0.062	30.35
W1023751000	2.375	2.250	2.375	1.000	0.062	17.15
W1023751180	2.375	2.250	2.375	1.180	0.062	45.85
W1023751480	2.375	2.250	2.375	1.480	0.062	27.65
W1023751500	2.375	2.250	2.375	1.500	0.062	9.80
W1025000500	2.500	2.375	2.500	0.500	0.062	20.05
W1025001260	2.500	2.375	2.500	1.260	0.062	23.35
W1026250500	2.625	2.500	2.625	0.500	0.062	21.70
W1026250980	2.625	2.500	2.625	0.980	0.062	33.10
W1026251000	2.625	2.500	2.625	1.000	0.062	18.35
W1026251250	2.625	2.500	2.625	1.250	0.062	21.45
W1026251500	2.625	2.500	2.625	1.500	0.062	11.30
W1026251690	2.625	2.500	2.625	1.690	0.062	55.80
W1027500500	2.750	2.625	2.750	0.500	0.062	26.20
W1027500980	2.750	2.625	2.750	0.980	0.062	16.40
W1027501000	2.750	2.625	2.750	1.000	0.062	21.25
W1028750975	2.875	2.750	2.875	0.975	0.062	19.60
W1028751000	2.875	2.750	2.875	1.000	0.062	23.95
W1028751260	2.875	2.750	2.875	1.260	0.062	30.30
W1028751500	2.875	2.750	2.875	1.500	0.062	11.80
W1028751570	2.875	2.750	2.875	1.570	0.062	49.35

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/16" - Cross Section - 0.062"						
W1028751790	2.875	2.750	2.875	1.790	0.062	51.35
W1028751810	2.875	2.750	2.875	1.810	0.062	51.70
W1031250500	3.125	3.000	3.125	0.500	0.062	27.95
W1031250980	3.125	3.000	3.125	0.980	0.062	17.30
W1031251240	3.125	3.000	3.125	1.240	0.062	71.50
W1031251260	3.125	3.000	3.125	1.260	0.062	37.90
W1031251480	3.125	3.000	3.125	1.480	0.062	31.10
W1031251500	3.125	3.000	3.125	1.500	0.062	13.15
W1031251562	3.125	3.000	3.125	1.562	0.062	79.25
W1031251570	3.125	3.000	3.125	1.570	0.062	66.95
W1031251650	3.125	3.000	3.125	1.650	0.062	40.50
W1031870312	3.187	3.062	3.187	0.312	0.062	24.90
W1033751730	3.375	3.250	3.375	1.730	0.062	43.65
W1033751875	3.375	3.250	3.375	1.875	0.062	60.45
W1036251060	3.625	3.500	3.625	1.060	0.062	52.55
W1036251880	3.625	3.500	3.625	1.880	0.062	37.15
W1038751570	3.875	3.750	3.875	1.570	0.062	76.10
5/64" - Cross Section - 0.078"						
WR012500500-078	1.250	1.094	1.250	0.500	0.078	12.10
WR016600625-078	1.660	1.503	1.660	0.625	0.078	11.55
3/32" - Cross Section - 0.094"						
WR012500187-094	1.250	1.062	1.250	0.187	0.094	3.70
WR015000187-094	1.500	1.312	1.500	0.187	0.094	4.65
WR015000375-094	1.500	1.312	1.500	0.375	0.094	12.50
WR020000187-094	2.000	1.812	2.000	0.187	0.094	4.65
WR020000375-094	2.000	1.812	2.000	0.375	0.094	13.15
WR025000375-094	2.500	2.312	2.500	0.375	0.094	13.30
WR025501500-094	2.550	2.362	2.550	1.500	0.094	7.65
WR028501000-094	2.850	2.662	2.850	1.000	0.094	8.05
WR030000218-094	3.000	2.812	3.000	0.218	0.094	3.55
WR032500375-094	3.250	3.062	3.250	0.375	0.094	13.90
WR033120625-094	3.312	3.125	3.312	0.625	0.094	6.65
WR035000500-094	3.500	3.312	3.500	0.500	0.094	4.80
WR036250218-094	3.625	3.437	3.625	0.218	0.094	8.75
WR039370218-094	3.937	3.750	3.937	0.218	0.094	3.65
WR040000375-094	4.000	3.812	4.000	0.375	0.094	15.40
WR050000500-094	5.000	4.812	5.000	0.500	0.094	16.75
WR060000500-094	6.000	5.812	6.000	0.500	0.094	17.25

W1, W2, W3, W4, WR SERIES - NYLON

3/31" - Cross Section - 0.096"

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
WR032500212-096	3.250	3.058	3.250	0.212	0.096	14.40
WR036250212-096	3.625	3.433	3.625	0.212	0.096	8.70

4/41" - Cross Section - 0.098"

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
WR020000190-098	2.000	1.804	2.000	0.190	0.098	4.70
WR027002280-098	2.700	2.500	2.700	2.280	0.098	46.00
WR029501970-098	2.950	2.750	2.950	1.970	0.098	34.35
WR030000990-098	3.000	2.800	3.000	0.990	0.098	15.30
WR032001180-098	3.200	3.000	3.200	1.180	0.098	17.90
WR032501125-098	3.250	3.050	3.250	1.125	0.098	58.05
WR034501610-098	3.450	3.250	3.450	1.610	0.098	37.65
WR034501970-098	3.450	3.250	3.450	1.970	0.098	42.50
WR034502760-098	3.450	3.250	3.450	2.760	0.098	47.90
WR037001770-098	3.700	3.500	3.700	1.770	0.098	52.80
WR037001880-098	3.700	3.500	3.700	1.880	0.098	85.40
WR037002360-098	3.700	3.500	3.700	2.360	0.098	35.80
WR039502440-098	3.950	3.750	3.950	2.440	0.098	42.90
WR040000212-098	4.000	3.800	4.000	0.212	0.098	8.95
WR040001312-098	4.000	3.800	4.000	1.312	0.098	56.95
WR042001312-098	4.200	4.000	4.200	1.312	0.098	44.70
WR042001570-098	4.200	4.000	4.200	1.570	0.098	36.30
WR042002560-098	4.200	4.000	4.200	2.560	0.098	58.65
WR044502360-098	4.450	4.250	4.450	2.360	0.098	76.75
WR049501970-098	4.950	4.750	4.950	1.970	0.098	55.95
WR052002520-098	5.200	5.000	5.200	2.520	0.098	96.75
WR054502500-098	5.450	5.250	5.450	2.500	0.098	88.55
WR059501970-098	5.950	5.750	5.950	1.970	0.098	103.45
WR059503620-098	5.950	5.750	5.950	3.620	0.098	182.60
WR072003150-098	7.200	7.000	7.200	3.150	0.098	77.25

1/8" - Cross Section - 0.125"

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
W2010000375	1.000	0.750	1.000	0.375	0.125	4.05
W2010000500	1.000	0.750	1.000	0.500	0.125	3.60
W2010000625	1.000	0.750	1.000	0.625	0.125	3.90
W2011250375	1.125	0.875	1.125	0.375	0.125	3.60
W2011250500	1.125	0.875	1.125	0.500	0.125	5.00
W2012500250	1.250	1.000	1.250	0.250	0.125	7.05
W2012500375	1.250	1.000	1.250	0.375	0.125	4.05
W2012500500	1.250	1.000	1.250	0.500	0.125	3.60
W2012500625	1.250	1.000	1.250	0.625	0.125	3.90

1/8" - Cross Section - 0.125"

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
W2012500750	1.250	1.000	1.250	0.750	0.125	4.90
W2012501000	1.250	1.000	1.250	1.000	0.125	6.05
W2013750500	1.375	1.125	1.375	0.500	0.125	3.60
W2013750750	1.375	1.125	1.375	0.750	0.125	4.90
W2013751000	1.375	1.125	1.375	1.000	0.125	6.05
W2015000250	1.500	1.250	1.500	0.250	0.125	3.55
W2015000375	1.500	1.250	1.500	0.375	0.125	3.60
W2015000500	1.500	1.250	1.500	0.500	0.125	3.60
W2015000625	1.500	1.250	1.500	0.625	0.125	3.90
W2015000750	1.500	1.250	1.500	0.750	0.125	4.90
W2015001000	1.500	1.250	1.500	1.000	0.125	6.05
W2016250375	1.625	1.375	1.625	0.375	0.125	3.60
W2016250442	1.625	1.375	1.625	0.442	0.125	8.95
W2016250500	1.625	1.375	1.625	0.500	0.125	3.60
W2017500250	1.750	1.500	1.750	0.250	0.125	4.05
W2017500375	1.750	1.500	1.750	0.375	0.125	3.60
W2017500500	1.750	1.500	1.750	0.500	0.125	3.60
W2017500625	1.750	1.500	1.750	0.625	0.125	3.90
W2017500750	1.750	1.500	1.750	0.750	0.125	4.90
W2017501000	1.750	1.500	1.750	1.000	0.125	6.05
W2018750500	1.875	1.625	1.875	0.500	0.125	3.60
W2018750750	1.875	1.625	1.875	0.750	0.125	4.90
W2018751000	1.875	1.625	1.875	1.000	0.125	6.40
W2020000160	2.000	1.750	2.000	0.160	0.125	10.10
W2020000250	2.000	1.750	2.000	0.250	0.125	3.50
W2020000312	2.000	1.750	2.000	0.312	0.125	8.60
W2020000375	2.000	1.750	2.000	0.375	0.125	4.10
W2020000500	2.000	1.750	2.000	0.500	0.125	3.60
W2020000625	2.000	1.750	2.000	0.625	0.125	3.90
W2020000750	2.000	1.750	2.000	0.750	0.125	4.90
W2020001000	2.000	1.750	2.000	1.000	0.125	6.05
W2020001250	2.000	1.750	2.000	1.250	0.125	17.00
W2020001500	2.000	1.750	2.000	1.500	0.125	16.15
W2021250375	2.125	1.875	2.125	0.375	0.125	4.25
W2021250500	2.125	1.875	2.125	0.500	0.125	5.20
W2021250750	2.125	1.875	2.125	0.750	0.125	5.20
W2021870260	2.187	1.937	2.187	0.260	0.125	3.90
W2021871000	2.187	1.937	2.187	1.000	0.125	8.75
W2022500187	2.250	2.000	2.250	0.187	0.125	4.70
W2022500250	2.250	2.000	2.250	0.250	0.125	3.55
W2022500312	2.250	2.000	2.250	0.312	0.125	4.25
W2022500375	2.250	2.000	2.250	0.375	0.125	3.95
W2022500500	2.250	2.000	2.250	0.500	0.125	3.60
W2022500625	2.250	2.000	2.250	0.625	0.125	4.75

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
1/8" - Cross Section - 0.125"						
W2022500750	2.250	2.000	2.250	0.750	0.125	4.90
W2022500875	2.250	2.000	2.250	0.875	0.125	7.95
W2022501000	2.250	2.000	2.250	1.000	0.125	6.05
W2022501250	2.250	2.000	2.250	1.250	0.125	19.20
W2022501500	2.250	2.000	2.250	1.500	0.125	16.90
W2023750500	2.375	2.125	2.375	0.500	0.125	4.45
W2023750750	2.375	2.125	2.375	0.750	0.125	5.30
W2025000160	2.500	2.250	2.500	0.160	0.125	10.65
W2025000187	2.500	2.250	2.500	0.187	0.125	4.80
W2025000250	2.500	2.250	2.500	0.250	0.125	3.55
W2025000312	2.500	2.250	2.500	0.312	0.125	4.05
W2025000375	2.500	2.250	2.500	0.375	0.125	3.60
W2025000500	2.500	2.250	2.500	0.500	0.125	3.60
W2025000625	2.500	2.250	2.500	0.625	0.125	4.75
W2025000740	2.500	2.250	2.500	0.740	0.125	9.45
W2025000750	2.500	2.250	2.500	0.750	0.125	4.90
W2025000875	2.500	2.250	2.500	0.875	0.125	8.45
W2025001000	2.500	2.250	2.500	1.000	0.125	6.05
W2025001250	2.500	2.250	2.500	1.250	0.125	20.55
W2025001500	2.500	2.250	2.500	1.500	0.125	14.15
W2026250500	2.625	2.375	2.625	0.500	0.125	7.65
W2026250625	2.625	2.375	2.625	0.625	0.125	4.90
W2026250750	2.625	2.375	2.625	0.750	0.125	5.40
W2026251000	2.625	2.375	2.625	1.000	0.125	7.20
W2027500250	2.750	2.500	2.750	0.250	0.125	3.55
W2027500312	2.750	2.500	2.750	0.312	0.125	4.50
W2027500375	2.750	2.500	2.750	0.375	0.125	4.05
W2027500500	2.750	2.500	2.750	0.500	0.125	3.60
W2027500625	2.750	2.500	2.750	0.625	0.125	4.75
W2027500750	2.750	2.500	2.750	0.750	0.125	4.90
W2027500940	2.750	2.500	2.750	0.940	0.125	14.00
W2027501000	2.750	2.500	2.750	1.000	0.125	6.05
W2027501500	2.750	2.500	2.750	1.500	0.125	14.85
W2027501750	2.750	2.500	2.750	1.750	0.125	41.70
W2027502000	2.750	2.500	2.750	2.000	0.125	19.45
W2028750500	2.875	2.625	2.875	0.500	0.125	5.55
W2028750750	2.875	2.625	2.875	0.750	0.125	5.80
W2028750875	2.875	2.625	2.875	0.875	0.125	15.50
W2028751000	2.875	2.625	2.875	1.000	0.125	7.55
W2030000160	3.000	2.750	3.000	0.160	0.125	20.45
W2030000250	3.000	2.750	3.000	0.250	0.125	3.55
W2030000312	3.000	2.750	3.000	0.312	0.125	4.45
W2030000375	3.000	2.750	3.000	0.375	0.125	4.05
W2030000500	3.000	2.750	3.000	0.500	0.125	3.60

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
1/8" - Cross Section - 0.125"						
W2030000570	3.000	2.750	3.000	0.570	0.125	7.30
W2030000625	3.000	2.750	3.000	0.625	0.125	4.75
W2030000750	3.000	2.750	3.000	0.750	0.125	4.90
W2030000990	3.000	2.750	3.000	0.990	0.125	16.75
W2030001000	3.000	2.750	3.000	1.000	0.125	6.05
W2030001250	3.000	2.750	3.000	1.250	0.125	20.65
W2030001500	3.000	2.750	3.000	1.500	0.125	15.20
W2030001562	3.000	2.750	3.000	1.562	0.125	19.25
W2030620250	3.062	2.812	3.062	0.250	0.125	8.10
W2031250500	3.125	2.875	3.125	0.500	0.125	4.70
W2031251000	3.125	2.875	3.125	1.000	0.125	8.05
W2032500250	3.250	3.000	3.250	0.250	0.125	3.85
W2032500312	3.250	3.000	3.250	0.312	0.125	4.50
W2032500375	3.250	3.000	3.250	0.375	0.125	4.05
W2032500500	3.250	3.000	3.250	0.500	0.125	3.90
W2032500625	3.250	3.000	3.250	0.625	0.125	4.75
W2032500750	3.250	3.000	3.250	0.750	0.125	5.05
W2032501000	3.250	3.000	3.250	1.000	0.125	6.20
W2032501130	3.250	3.000	3.250	1.130	0.125	19.55
W2032501250	3.250	3.000	3.250	1.250	0.125	21.20
W2032501500	3.250	3.000	3.250	1.500	0.125	15.80
W2032501550	3.250	3.000	3.250	1.550	0.125	22.45
W2032501562	3.250	3.000	3.250	1.562	0.125	23.50
W2032501625	3.250	3.000	3.250	1.625	0.125	20.15
W2032502000	3.250	3.000	3.250	2.000	0.125	20.65
W2032502125	3.250	3.000	3.250	2.125	0.125	27.45
W2033750500	3.375	3.125	3.375	0.500	0.125	5.25
W2033750750	3.375	3.125	3.375	0.750	0.125	5.85
W2035000160	3.500	3.250	3.500	0.160	0.125	22.65
W2035000250	3.500	3.250	3.500	0.250	0.125	3.85
W2035000375	3.500	3.250	3.500	0.375	0.125	4.05
W2035000437	3.500	3.250	3.500	0.437	0.125	11.05
W2035000500	3.500	3.250	3.500	0.500	0.125	3.90
W2035000625	3.500	3.250	3.500	0.625	0.125	4.75
W2035000750	3.500	3.250	3.500	0.750	0.125	5.05
W2035000875	3.500	3.250	3.500	0.875	0.125	11.20
W2035001000	3.500	3.250	3.500	1.000	0.125	6.20
W2035001120	3.500	3.250	3.500	1.120	0.125	15.20
W2035001250	3.500	3.250	3.500	1.250	0.125	22.15
W2035001500	3.500	3.250	3.500	1.500	0.125	20.70
W2036250500	3.625	3.375	3.625	0.500	0.125	9.30
W2036250625	3.625	3.375	3.625	0.625	0.125	8.20
W2036250750	3.625	3.375	3.625	0.750	0.125	6.20
W2036251000	3.625	3.375	3.625	1.000	0.125	8.75

W1, W2, W3, W4, WR SERIES - NYLON

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/8" - Cross Section - 0.125"						
W2037500250	3.750	3.500	3.750	0.250	0.125	3.85
W2037500375	3.750	3.500	3.750	0.375	0.125	4.65
W2037500500	3.750	3.500	3.750	0.500	0.125	3.90
W2037500625	3.750	3.500	3.750	0.625	0.125	4.75
W2037500750	3.750	3.500	3.750	0.750	0.125	5.05
W2037501000	3.750	3.500	3.750	1.000	0.125	6.20
W2037501250	3.750	3.500	3.750	1.250	0.125	22.20
W2037501490	3.750	3.500	3.750	1.490	0.125	30.10
W2037501500	3.750	3.500	3.750	1.500	0.125	22.90
W2037502000	3.750	3.500	3.750	2.000	0.125	34.60
W2038750250	3.875	3.625	3.875	0.250	0.125	6.50
W2038751000	3.875	3.625	3.875	1.000	0.125	9.85
W2040000160	4.000	3.750	4.000	0.160	0.125	28.85
W2040000250	4.000	3.750	4.000	0.250	0.125	3.85
W2040000312	4.000	3.750	4.000	0.312	0.125	14.25
W2040000375	4.000	3.750	4.000	0.375	0.125	4.65
W2040000500	4.000	3.750	4.000	0.500	0.125	3.90
W2040000570	4.000	3.750	4.000	0.570	0.125	7.45
W2040000625	4.000	3.750	4.000	0.625	0.125	4.75
W2040000750	4.000	3.750	4.000	0.750	0.125	5.05
W2040000875	4.000	3.750	4.000	0.875	0.125	12.20
W2040000990	4.000	3.750	4.000	0.990	0.125	17.85
W2040001000	4.000	3.750	4.000	1.000	0.125	6.20
W2040001250	4.000	3.750	4.000	1.250	0.125	22.45
W2040001500	4.000	3.750	4.000	1.500	0.125	25.25
W2040002000	4.000	3.750	4.000	2.000	0.125	36.20
W2041250420	4.125	3.875	4.125	0.420	0.125	18.75
W2041251000	4.125	3.875	4.125	1.000	0.125	10.20
W2042500250	4.250	4.000	4.250	0.250	0.125	5.05
W2042500375	4.250	4.000	4.250	0.375	0.125	5.60
W2042500500	4.250	4.000	4.250	0.500	0.125	5.80
W2042500625	4.250	4.000	4.250	0.625	0.125	5.85
W2042500750	4.250	4.000	4.250	0.750	0.125	6.50
W2042500875	4.250	4.000	4.250	0.875	0.125	13.25
W2042501000	4.250	4.000	4.250	1.000	0.125	6.75
W2042501250	4.250	4.000	4.250	1.250	0.125	22.80
W2042501500	4.250	4.000	4.250	1.500	0.125	25.75
W2042501890	4.250	4.000	4.250	1.890	0.125	29.45
W2042502500	4.250	4.000	4.250	2.500	0.125	52.45
W2042600500	4.260	4.010	4.260	0.500	0.125	14.75
W2044000625	4.400	4.150	4.400	0.625	0.125	8.55
W2045000180	4.500	4.250	4.500	0.180	0.125	13.20
W2045000250	4.500	4.250	4.500	0.250	0.125	5.60
W2045000375	4.500	4.250	4.500	0.375	0.125	5.60

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/8" - Cross Section - 0.125"						
W2045000500	4.500	4.250	4.500	0.500	0.125	5.80
W2045000625	4.500	4.250	4.500	0.625	0.125	5.85
W2045000750	4.500	4.250	4.500	0.750	0.125	6.50
W2045000875	4.500	4.250	4.500	0.875	0.125	13.50
W2045000930	4.500	4.250	4.500	0.930	0.125	17.30
W2045000990	4.500	4.250	4.500	0.990	0.125	19.30
W2045001000	4.500	4.250	4.500	1.000	0.125	6.75
W2045001250	4.500	4.250	4.500	1.250	0.125	23.15
W2045001500	4.500	4.250	4.500	1.500	0.125	26.00
W2045001870	4.500	4.250	4.500	1.870	0.125	53.90
W2045002360	4.500	4.250	4.500	2.360	0.125	63.15
W2046251000	4.625	4.375	4.625	1.000	0.125	11.80
W2047500375	4.750	4.500	4.750	0.375	0.125	5.60
W2047500500	4.750	4.500	4.750	0.500	0.125	5.80
W2047500625	4.750	4.500	4.750	0.625	0.125	5.85
W2047500750	4.750	4.500	4.750	0.750	0.125	6.50
W2047501000	4.750	4.500	4.750	1.000	0.125	6.75
W2047501250	4.750	4.500	4.750	1.250	0.125	23.80
W2047501500	4.750	4.500	4.750	1.500	0.125	27.05
W2047501562	4.750	4.500	4.750	1.562	0.125	18.05
W2047501990	4.750	4.500	4.750	1.990	0.125	67.90
W2047502000	4.750	4.500	4.750	2.000	0.125	37.05
W2047503500	4.750	4.500	4.750	3.500	0.125	65.20
W2048750375	4.875	4.625	4.875	0.375	0.125	5.60
W2048750750	4.875	4.625	4.875	0.750	0.125	9.20
W2050000375	5.000	4.750	5.000	0.375	0.125	5.60
W2050000500	5.000	4.750	5.000	0.500	0.125	5.80
W2050000625	5.000	4.750	5.000	0.625	0.125	5.85
W2050000750	5.000	4.750	5.000	0.750	0.125	6.50
W2050000875	5.000	4.750	5.000	0.875	0.125	15.50
W2050001000	5.000	4.750	5.000	1.000	0.125	6.75
W2050001120	5.000	4.750	5.000	1.120	0.125	19.40
W2050001125	5.000	4.750	5.000	1.125	0.125	15.40
W2050001250	5.000	4.750	5.000	1.250	0.125	24.30
W2050001500	5.000	4.750	5.000	1.500	0.125	27.75
W2050001562	5.000	4.750	5.000	1.562	0.125	27.25
W2050001750	5.000	4.750	5.000	1.750	0.125	23.75
W2050002000	5.000	4.750	5.000	2.000	0.125	39.80
W2051251562	5.125	4.875	5.125	1.562	0.125	23.80
W2052500375	5.250	5.000	5.250	0.375	0.125	6.30
W2052500500	5.250	5.000	5.250	0.500	0.125	5.80
W2052500625	5.250	5.000	5.250	0.625	0.125	5.85
W2052500750	5.250	5.000	5.250	0.750	0.125	6.50
W2052501000	5.250	5.000	5.250	1.000	0.125	6.75

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
1/8" - Cross Section - 0.125"						
W2052501030	5.250	5.000	5.250	1.030	0.125	40.15
W2052501250	5.250	5.000	5.250	1.250	0.125	24.85
W2052501500	5.250	5.000	5.250	1.500	0.125	28.00
W2052502000	5.250	5.000	5.250	2.000	0.125	40.35
W2052502250	5.250	5.000	5.250	2.250	0.125	39.95
W2052503500	5.250	5.000	5.250	3.500	0.125	81.75
W2052503620	5.250	5.000	5.250	3.620	0.125	103.55
W2055000375	5.500	5.250	5.500	0.375	0.125	6.30
W2055000500	5.500	5.250	5.500	0.500	0.125	5.80
W2055000625	5.500	5.250	5.500	0.625	0.125	5.85
W2055000750	5.500	5.250	5.500	0.750	0.125	6.50
W2055001000	5.500	5.250	5.500	1.000	0.125	6.75
W2055001250	5.500	5.250	5.500	1.250	0.125	25.15
W2055001312	5.500	5.250	5.500	1.312	0.125	30.80
W2055001370	5.500	5.250	5.500	1.370	0.125	41.15
W2055001500	5.500	5.250	5.500	1.500	0.125	28.65
W2055001620	5.500	5.250	5.500	1.620	0.125	43.30
W2055001750	5.500	5.250	5.500	1.750	0.125	29.45
W2055002000	5.500	5.250	5.500	2.000	0.125	43.05
W2055002250	5.500	5.250	5.500	2.250	0.125	40.95
W2057500500	5.750	5.500	5.750	0.500	0.125	5.80
W2057500625	5.750	5.500	5.750	0.625	0.125	5.85
W2057500750	5.750	5.500	5.750	0.750	0.125	6.50
W2057501000	5.750	5.500	5.750	1.000	0.125	6.75
W2057501500	5.750	5.500	5.750	1.500	0.125	29.15
W2057501620	5.750	5.500	5.750	1.620	0.125	59.40
W2057501750	5.750	5.500	5.750	1.750	0.125	25.30
W2057502000	5.750	5.500	5.750	2.000	0.125	46.70
W2057502370	5.750	5.500	5.750	2.370	0.125	61.45
W2060000180	6.000	5.750	6.000	0.180	0.125	16.35
W2060000250	6.000	5.750	6.000	0.250	0.125	20.65
W2060000375	6.000	5.750	6.000	0.375	0.125	6.30
W2060000500	6.000	5.750	6.000	0.500	0.125	5.80
W2060000625	6.000	5.750	6.000	0.625	0.125	5.85
W2060000630	6.000	5.750	6.000	0.630	0.125	7.95
W2060000750	6.000	5.750	6.000	0.750	0.125	6.50
W2060000875	6.000	5.750	6.000	0.875	0.125	16.40
W2060001000	6.000	5.750	6.000	1.000	0.125	6.75
W2060001070	6.000	5.750	6.000	1.070	0.125	28.55
W2060001250	6.000	5.750	6.000	1.250	0.125	27.10
W2060001320	6.000	5.750	6.000	1.320	0.125	28.85
W2060001500	6.000	5.750	6.000	1.500	0.125	29.65
W2060001740	6.000	5.750	6.000	1.740	0.125	50.75
W2060001750	6.000	5.750	6.000	1.750	0.125	53.90

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
1/8" - Cross Section - 0.125"						
W2060002000	6.000	5.750	6.000	2.000	0.125	48.50
W2060002860	6.000	5.750	6.000	2.860	0.125	112.30
W2062500500	6.250	6.000	6.250	0.500	0.125	6.50
W2062500625	6.250	6.000	6.250	0.625	0.125	7.00
W2062500750	6.250	6.000	6.250	0.750	0.125	6.50
W2062501000	6.250	6.000	6.250	1.000	0.125	7.60
W2062501490	6.250	6.000	6.250	1.490	0.125	32.55
W2062501500	6.250	6.000	6.250	1.500	0.125	30.05
W2062501750	6.250	6.000	6.250	1.750	0.125	55.65
W2062502000	6.250	6.000	6.250	2.000	0.125	51.90
W2062502750	6.250	6.000	6.250	2.750	0.125	72.60
W2062502760	6.250	6.000	6.250	2.760	0.125	99.15
W2065000375	6.500	6.250	6.500	0.375	0.125	7.60
W2065000500	6.500	6.250	6.500	0.500	0.125	6.50
W2065000625	6.500	6.250	6.500	0.625	0.125	7.00
W2065000750	6.500	6.250	6.500	0.750	0.125	7.55
W2065001000	6.500	6.250	6.500	1.000	0.125	7.60
W2065001250	6.500	6.250	6.500	1.250	0.125	31.45
W2065001370	6.500	6.250	6.500	1.370	0.125	42.85
W2065001375	6.500	6.250	6.500	1.375	0.125	43.30
W2065001500	6.500	6.250	6.500	1.500	0.125	30.30
W2065001750	6.500	6.250	6.500	1.750	0.125	56.10
W2065002000	6.500	6.250	6.500	2.000	0.125	53.00
W2065002740	6.500	6.250	6.500	2.740	0.125	150.75
W2065002860	6.500	6.250	6.500	2.860	0.125	74.45
W2065002880	6.500	6.250	6.500	2.880	0.125	104.70
W2065003500	6.500	6.250	6.500	3.500	0.125	100.15
W2067500375	6.750	6.500	6.750	0.375	0.125	7.90
W2067500500	6.750	6.500	6.750	0.500	0.125	6.50
W2067500625	6.750	6.500	6.750	0.625	0.125	7.00
W2067500750	6.750	6.500	6.750	0.750	0.125	7.55
W2067501000	6.750	6.500	6.750	1.000	0.125	9.30
W2067501500	6.750	6.500	6.750	1.500	0.125	30.50
W2067561250	6.756	6.506	6.756	1.250	0.125	42.30
W2070000375	7.000	6.750	7.000	0.375	0.125	7.90
W2070000500	7.000	6.750	7.000	0.500	0.125	6.50
W2070000625	7.000	6.750	7.000	0.625	0.125	7.00
W2070000687	7.000	6.750	7.000	0.687	0.125	33.10
W2070000750	7.000	6.750	7.000	0.750	0.125	7.55
W2070001000	7.000	6.750	7.000	1.000	0.125	9.30
W2070001250	7.000	6.750	7.000	1.250	0.125	33.45
W2070001500	7.000	6.750	7.000	1.500	0.125	30.60
W2070001750	7.000	6.750	7.000	1.750	0.125	57.25
W2070002000	7.000	6.750	7.000	2.000	0.125	54.20

W1, W2, W3, W4, WR SERIES - NYLON

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/8" - Cross Section - 0.125"						
W2070002370	7.000	6.750	7.000	2.370	0.125	63.75
W2070003000	7.000	6.750	7.000	3.000	0.125	128.40
W2070003120	7.000	6.750	7.000	3.120	0.125	68.70
W2072500500	7.250	7.000	7.250	0.500	0.125	6.50
W2072500625	7.250	7.000	7.250	0.625	0.125	9.05
W2072500750	7.250	7.000	7.250	0.750	0.125	9.20
W2072501000	7.250	7.000	7.250	1.000	0.125	10.40
W2072501375	7.250	7.000	7.250	1.375	0.125	48.30
W2072502000	7.250	7.000	7.250	2.000	0.125	59.40
W2072507140	7.250	7.000	7.250	7.140	0.125	291.75
W2073750750	7.375	7.125	7.375	0.750	0.125	9.20
W2075000500	7.500	7.250	7.500	0.500	0.125	6.50
W2075000625	7.500	7.250	7.500	0.625	0.125	9.05
W2075000750	7.500	7.250	7.500	0.750	0.125	9.20
W2075001000	7.500	7.250	7.500	1.000	0.125	10.40
W2075001500	7.500	7.250	7.500	1.500	0.125	37.15
W2075002000	7.500	7.250	7.500	2.000	0.125	60.45
W2075002370	7.500	7.250	7.500	2.370	0.125	65.60
W2075002500	7.500	7.250	7.500	2.500	0.125	57.85
W2075002950	7.500	7.250	7.500	2.950	0.125	205.40
W2077500500	7.750	7.500	7.750	0.500	0.125	8.10
W2077500625	7.750	7.500	7.750	0.625	0.125	10.40
W2077501000	7.750	7.500	7.750	1.000	0.125	13.60
W2077501500	7.750	7.500	7.750	1.500	0.125	42.30
W2077501620	7.750	7.500	7.750	1.620	0.125	64.20
W2077502000	7.750	7.500	7.750	2.000	0.125	64.60
W2077503500	7.750	7.500	7.750	3.500	0.125	116.10
W2078751000	7.875	7.625	7.875	1.000	0.125	21.65
W2080000180	8.000	7.750	8.000	0.180	0.125	22.05
W2080000375	8.000	7.750	8.000	0.375	0.125	24.85
W2080000500	8.000	7.750	8.000	0.500	0.125	8.10
W2080000625	8.000	7.750	8.000	0.625	0.125	10.40
W2080000750	8.000	7.750	8.000	0.750	0.125	12.70
W2080000875	8.000	7.750	8.000	0.875	0.125	29.75
W2080001000	8.000	7.750	8.000	1.000	0.125	13.60
W2080001250	8.000	7.750	8.000	1.250	0.125	36.20
W2080001460	8.000	7.750	8.000	1.460	0.125	53.60
W2080001500	8.000	7.750	8.000	1.500	0.125	43.00
W2080002000	8.000	7.750	8.000	2.000	0.125	65.80
W2080002250	8.000	7.750	8.000	2.250	0.125	59.60
W2080002945	8.000	7.750	8.000	2.945	0.125	390.30
W2080005000	8.000	7.750	8.000	5.000	0.125	151.70
W2082500500	8.250	8.000	8.250	0.500	0.125	8.45
W2082500625	8.250	8.000	8.250	0.625	0.125	10.40

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/8" - Cross Section - 0.125"						
W2082500750	8.250	8.000	8.250	0.750	0.125	12.70
W2082501000	8.250	8.000	8.250	1.000	0.125	15.15
W2082501250	8.250	8.000	8.250	1.250	0.125	36.55
W2082501500	8.250	8.000	8.250	1.500	0.125	47.85
W2082501750	8.250	8.000	8.250	1.750	0.125	58.15
W2082502120	8.250	8.000	8.250	2.120	0.125	54.00
W2082502250	8.250	8.000	8.250	2.250	0.125	70.60
W2082502500	8.250	8.000	8.250	2.500	0.125	77.30
W2082502750	8.250	8.000	8.250	2.750	0.125	133.00
W2082504130	8.250	8.000	8.250	4.130	0.125	142.95
W2083751000	8.375	8.125	8.375	1.000	0.125	23.15
W2083751250	8.375	8.125	8.375	1.250	0.125	38.55
W2084370750	8.437	8.187	8.437	0.750	0.125	12.70
W2085000500	8.500	8.250	8.500	0.500	0.125	8.45
W2085000625	8.500	8.250	8.500	0.625	0.125	12.15
W2085000750	8.500	8.250	8.500	0.750	0.125	12.70
W2085001000	8.500	8.250	8.500	1.000	0.125	15.15
W2085001500	8.500	8.250	8.500	1.500	0.125	51.30
W2085002000	8.500	8.250	8.500	2.000	0.125	72.35
W2085002370	8.500	8.250	8.500	2.370	0.125	76.55
W2085002375	8.500	8.250	8.500	2.375	0.125	69.85
W2085003000	8.500	8.250	8.500	3.000	0.125	137.30
W2086250500	8.625	8.375	8.625	0.500	0.125	11.80
W2086251000	8.625	8.375	8.625	1.000	0.125	33.20
W2087501000	8.750	8.500	8.750	1.000	0.125	15.15
W2087502000	8.750	8.500	8.750	2.000	0.125	76.25
W2090000500	9.000	8.750	9.000	0.500	0.125	11.55
W2090000625	9.000	8.750	9.000	0.625	0.125	12.15
W2090000750	9.000	8.750	9.000	0.750	0.125	14.35
W2090001000	9.000	8.750	9.000	1.000	0.125	17.00
W2090001250	9.000	8.750	9.000	1.250	0.125	39.45
W2090001500	9.000	8.750	9.000	1.500	0.125	53.25
W2090002000	9.000	8.750	9.000	2.000	0.125	78.20
W2090002950	9.000	8.750	9.000	2.950	0.125	485.80
W2091251000	9.125	8.875	9.125	1.000	0.125	33.95
W2091701000	9.170	8.920	9.170	1.000	0.125	36.55
W2092500750	9.000	8.750	9.000	0.750	0.125	19.25
W2092501000	9.250	9.000	9.250	1.000	0.125	20.10
W2092501250	9.250	9.000	9.250	1.250	0.125	41.05
W2092501500	9.250	9.000	9.250	1.500	0.125	67.45
W2092501750	9.250	9.000	9.250	1.750	0.125	58.80
W2092502000	9.250	9.000	9.250	2.000	0.125	84.60
W2092502250	9.250	9.000	9.250	2.250	0.125	71.75
W2093750500	9.375	9.125	9.375	0.500	0.125	13.30

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Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
1/8" - Cross Section - 0.125"						
W2095000500	9.500	9.250	9.500	0.500	0.125	17.75
W2095000625	9.500	9.250	9.500	0.625	0.125	18.45
W2095000750	9.500	9.250	9.500	0.750	0.125	19.25
W2095001000	9.500	9.250	9.500	1.000	0.125	20.10
W2095001250	9.500	9.250	9.500	1.250	0.125	41.45
W2097500500	9.750	9.500	9.750	0.500	0.125	13.50
W2097500625	9.750	9.500	9.750	0.625	0.125	20.95
W2097500750	9.750	9.500	9.750	0.750	0.125	23.00
W2097501000	9.750	9.500	9.750	1.000	0.125	26.00
W2098750500	9.875	9.625	9.875	0.500	0.125	20.60
W2098750750	9.875	9.625	9.875	0.750	0.125	24.90
W2100000250	10.000	9.750	10.000	0.250	0.125	76.35
W2100000500	10.000	9.750	10.000	0.500	0.125	20.70
W2100000625	10.000	9.750	10.000	0.625	0.125	23.70
W2100000750	10.000	9.750	10.000	0.750	0.125	19.25
W2100000875	10.000	9.750	10.000	0.875	0.125	31.50
W2100001000	10.000	9.750	10.000	1.000	0.125	20.10
W2100001250	10.000	9.750	10.000	1.250	0.125	42.00
W2100001500	10.000	9.750	10.000	1.500	0.125	69.50
W2100001750	10.000	9.750	10.000	1.750	0.125	118.60
W2100001915	10.000	9.750	10.000	1.915	0.125	437.60
W2100002000	10.000	9.750	10.000	2.000	0.125	92.20
W2100003250	10.000	9.750	10.000	3.250	0.125	140.70
W2100003945	10.000	9.750	10.000	3.945	0.125	508.75
W2102500750	10.250	10.000	10.250	0.750	0.125	27.35
W2102501000	10.250	10.000	10.250	1.000	0.125	30.85
W2102501250	10.250	10.000	10.250	1.250	0.125	75.20
W2105000500	10.500	10.250	10.500	0.500	0.125	31.40
W2105000750	10.500	10.250	10.500	0.750	0.125	27.70
W2105001000	10.500	10.250	10.500	1.000	0.125	34.00
W2105001250	10.500	10.250	10.500	1.250	0.125	75.55
W2105001500	10.500	10.250	10.500	1.500	0.125	76.70
W2105001750	10.500	10.250	10.500	1.750	0.125	127.75
W2105002750	10.500	10.250	10.500	2.750	0.125	202.90
W2105003750	10.500	10.250	10.500	3.750	0.125	152.30
W2105004000	10.500	10.250	10.500	4.000	0.125	168.45
W2107501000	10.750	10.500	1.750	1.000	0.125	46.25
W2107502000	10.750	10.500	1.750	2.000	0.125	110.35
W2110000500	11.000	10.750	11.000	0.500	0.125	24.55
W2110000625	11.000	10.750	11.000	0.625	0.125	27.70
W2110000750	11.000	10.750	11.000	0.750	0.125	27.70
W2110001000	11.000	10.750	11.000	1.000	0.125	37.35
W2110001250	11.000	10.750	11.000	1.250	0.125	77.05
W2110001500	11.000	10.750	11.000	1.500	0.125	80.95

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
1/8" - Cross Section - 0.125"						
W2110001625	11.000	10.750	11.000	1.625	0.125	162.60
W2110001875	11.000	10.750	11.000	1.875	0.125	205.95
W2110001930	11.000	10.750	11.000	1.930	0.125	412.05
W2110003250	11.000	10.750	11.000	3.250	0.125	162.45
W2112500750	11.250	11.000	11.250	0.750	0.125	31.80
W2112501000	11.250	11.000	11.250	1.000	0.125	39.95
W2112501250	11.250	11.000	11.250	1.250	0.125	98.60
W2115000750	11.500	11.250	11.500	0.750	0.125	50.40
W2115001250	11.500	11.250	11.500	1.250	0.125	101.40
W2115003870	11.500	11.250	11.500	3.870	0.125	170.25
W2120000500	12.000	11.750	12.000	0.500	0.125	27.25
W2120000625	12.000	11.750	12.000	0.625	0.125	31.80
W2120000750	12.000	11.750	12.000	0.750	0.125	50.95
W2120001000	12.000	11.750	12.000	1.000	0.125	43.10
W2120001250	12.000	11.750	12.000	1.250	0.125	104.25
W2120001500	12.000	11.750	12.000	1.500	0.125	107.90
W2120002000	12.000	11.750	12.000	2.000	0.125	119.75
W2120002460	12.000	11.750	12.000	2.460	0.125	597.85
W2122501000	12.250	12.000	12.250	1.000	0.125	72.70
W2122501250	12.250	12.000	12.250	1.250	0.125	105.70
W2125000750	12.500	12.250	12.500	0.750	0.125	51.10
W2127504015	12.750	12.500	12.750	4.015	0.125	646.10
W2128754000	12.875	12.625	12.875	4.000	0.125	372.80
W2130000750	13.000	12.750	13.000	0.750	0.125	52.55
W2130001000	13.000	12.750	13.000	1.000	0.125	48.80
W2130001250	13.000	12.750	13.000	1.250	0.125	108.55
W2130001500	13.000	12.750	13.000	1.500	0.125	176.70
W2132501000	13.250	13.000	13.250	1.000	0.125	76.50
W2132501250	13.250	13.000	13.250	1.250	0.125	113.10
W2132502000	13.250	13.000	13.250	2.000	0.125	220.70
W2135000750	13.500	13.250	13.500	0.750	0.125	54.85
W2137504020	13.750	13.500	13.750	4.020	0.125	937.05
W2140000500	14.000	13.750	14.000	0.500	0.125	276.95
W2140000750	14.000	13.750	14.000	0.750	0.125	56.80
W2140001000	14.000	13.750	14.000	1.000	0.125	80.95
W2140001250	14.000	13.750	14.000	1.250	0.125	117.60
W2140001500	14.000	13.750	14.000	1.500	0.125	197.85
W2140002000	14.000	13.750	14.000	2.000	0.125	264.85
W2140002500	14.000	13.750	14.000	2.500	0.125	539.05
W2142504000	14.250	14.000	14.250	4.000	0.125	399.05
W2150001250	15.000	14.750	15.000	1.250	0.125	138.55
W2160000500	16.000	15.750	16.000	0.500	0.125	316.45
W2160001000	16.000	15.750	16.000	1.000	0.125	97.40
W2160001250	16.000	15.750	16.000	1.250	0.125	167.35

W1, W2, W3, W4, WR SERIES - NYLON

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/8" - Cross Section - 0.125"						
W2160001500	16.000	15.750	16.000	1.500	0.125	268.60
W2160002000	16.000	15.750	16.000	2.000	0.125	304.35
W2165001000	16.500	16.250	16.500	1.000	0.125	171.90
W2165001500	16.500	16.250	16.500	1.500	0.125	290.75
W2167504000	16.750	16.500	16.750	4.000	0.125	1121.80
W2180000500	18.000	17.750	18.000	0.500	0.125	285.30
W2180001000	18.000	17.750	18.000	1.000	0.125	196.05
W2180001250	18.000	17.750	18.000	1.250	0.125	193.85
W2180001500	18.000	17.750	18.000	1.500	0.125	312.95
W2180002000	18.000	17.750	18.000	2.000	0.125	448.25
W2200000500	20.000	19.750	20.000	0.500	0.125	395.60
W2200001000	20.000	19.750	20.000	1.000	0.125	239.50
W2200001500	20.000	19.750	20.000	1.500	0.125	334.50
W2200002000	20.000	19.750	20.000	2.000	0.125	532.70
W2210001000	21.000	20.750	21.000	1.000	0.125	284.15
3/16" - Cross Section - 0.187"						
W3018751500	1.875	1.500	1.875	1.500	0.187	31.15
W3021250750	2.125	1.750	2.125	0.750	0.187	33.80
W3022000625	2.200	1.825	2.200	0.625	0.187	21.40
W3023750825	2.375	2.000	2.375	0.825	0.187	34.65
W3026250625	2.625	2.250	2.625	0.625	0.187	22.35
W3026251000	2.625	2.250	2.625	1.000	0.187	38.05
W3028750625	2.875	2.500	2.875	0.625	0.187	22.95
W3030000500	3.000	2.625	3.000	0.500	0.187	16.90
W3030000750	3.000	2.625	3.000	0.750	0.187	24.55
W3030000875	3.000	2.625	3.000	0.875	0.187	26.60
W3030001000	3.000	2.625	3.000	1.000	0.187	31.80
W3030620625	3.062	2.687	3.062	0.625	0.187	24.10
W3031251000	3.125	2.750	3.125	1.000	0.187	27.65
W3031251250	3.125	2.750	3.125	1.250	0.187	47.85
W3032500500	3.250	2.875	3.250	0.500	0.187	18.00
W3032500625	3.250	2.875	3.250	0.625	0.187	26.80
W3032500875	3.250	2.875	3.250	0.875	0.187	27.15
W3033751250	3.375	3.000	3.375	1.250	0.187	53.60
W3035000500	3.500	3.125	3.500	0.500	0.187	19.15
W3035000750	3.500	3.125	3.500	0.750	0.187	27.10
W3035001000	3.500	3.125	3.500	1.000	0.187	33.95
W3036251250	3.625	3.250	3.625	1.250	0.187	21.45
W3037500750	3.750	3.375	3.750	0.750	0.187	28.00
W3037501000	3.750	3.375	3.750	1.000	0.187	34.05
W3038751250	3.875	3.500	3.875	1.250	0.187	26.20

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
3/16" - Cross Section - 0.187"						
W3038751750	3.875	3.500	3.875	1.750	0.187	47.00
W3038752620	3.875	3.500	3.875	2.620	0.187	81.50
W3040000250	4.000	3.625	4.000	0.250	0.187	20.35
W3040000500	4.000	3.625	4.000	0.500	0.187	19.55
W3040000750	4.000	3.625	4.000	0.750	0.187	29.30
W3040000875	4.000	3.625	4.000	0.875	0.187	30.95
W3040001000	4.000	3.625	4.000	1.000	0.187	35.10
W3040001375	4.000	3.625	4.000	1.375	0.187	53.25
W3041251000	4.125	3.750	4.125	1.000	0.187	34.35
W3042500750	4.250	3.875	4.250	0.750	0.187	31.35
W3043751250	4.375	4.000	4.375	1.250	0.187	48.20
W3043751500	4.375	4.000	4.375	1.500	0.187	36.80
W3043751750	4.375	4.000	4.375	1.750	0.187	72.15
W3043752390	4.375	4.000	4.375	2.390	0.187	53.45
W3045000500	4.500	4.125	4.500	0.500	0.187	24.40
W3045000750	4.500	4.125	4.500	0.750	0.187	31.95
W3045001000	4.500	4.125	4.500	1.000	0.187	36.20
W3047500750	4.750	4.375	4.750	0.750	0.187	32.75
W3048752250	4.875	4.500	4.875	2.250	0.187	74.45
W3048752875	4.875	4.500	4.875	2.875	0.187	99.00
W3050000250	5.000	4.625	5.000	0.250	0.187	26.35
W3050000500	5.000	4.625	5.000	0.500	0.187	26.95
W3050000875	5.000	4.625	5.000	0.875	0.187	34.25
W3050001000	5.000	4.625	5.000	1.000	0.187	37.75
W3050001500	5.000	4.625	5.000	1.500	0.187	40.30
W3051250750	5.125	4.750	5.125	0.750	0.187	33.80
W3051251000	5.125	4.750	5.125	1.000	0.187	41.10
W3052501500	5.250	4.875	5.250	1.500	0.187	43.40
W3055000500	5.500	5.125	5.500	0.500	0.187	29.75
W3055000750	5.500	5.125	5.500	0.750	0.187	36.60
W3055000875	5.500	5.125	5.500	0.875	0.187	39.90
W3055001000	5.500	5.125	5.500	1.000	0.187	42.50
W3055001250	5.500	5.125	5.500	1.250	0.187	26.80
W3055001500	5.500	5.125	5.500	1.500	0.187	44.15
W3055001740	5.500	5.125	5.500	1.740	0.187	64.50
W3055001750	5.500	5.125	5.500	1.750	0.187	46.85
W3057501000	5.750	5.375	5.750	1.000	0.187	45.55
W3058753500	5.875	5.500	5.875	3.500	0.187	174.35
W3060000500	6.000	5.625	6.000	0.500	0.187	38.35
W3060000625	6.000	5.625	6.000	0.625	0.187	40.80
W3060000875	6.000	5.625	6.000	0.875	0.187	49.30
W3060001000	6.000	5.625	6.000	1.000	0.187	48.30
W3060001250	6.000	5.625	6.000	1.250	0.187	27.10
W3060002750	6.000	5.625	6.000	2.750	0.187	92.30

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
3/16" - Cross Section - 0.187"						
W3061250750	6.125	5.750	6.125	0.750	0.187	38.25
W3061250953	6.125	5.750	6.125	0.953	0.187	61.30
W3065000750	6.500	6.125	6.500	0.750	0.187	47.85
W3065001000	6.500	6.125	6.500	1.000	0.187	51.30
W3065001500	6.500	6.125	6.500	1.500	0.187	52.40
W3067501000	6.750	6.375	6.750	1.000	0.187	49.90
W3070000500	7.000	6.625	7.000	0.500	0.187	47.25
W3070000750	7.000	6.625	7.000	0.750	0.187	60.75
W3070001000	7.000	6.625	7.000	1.000	0.187	54.65
W3070001250	7.000	6.625	7.000	1.250	0.187	38.50
W3070001500	7.000	6.625	7.000	1.500	0.187	59.85
W3071250875	7.125	6.750	7.125	0.875	0.187	68.20
W3071251000	7.125	6.750	7.125	1.000	0.187	53.05
W3072501000	7.250	6.875	7.250	1.000	0.187	53.05
W3072503070	7.250	6.875	7.250	3.070	0.187	110.15
W3073751610	7.375	7.000	7.375	1.610	0.187	109.40
W3073757000	7.375	7.000	7.375	7.000	0.187	360.10
W3073757395	7.375	7.000	7.375	7.395	0.187	661.95
W3073757400	7.375	7.000	7.375	7.400	0.187	661.95
W3075000750	7.500	7.125	7.500	0.750	0.187	64.95
W3075001250	7.500	7.125	7.500	1.250	0.187	44.95
W3075001500	7.500	7.125	7.500	1.500	0.187	68.30
W3077501000	7.750	7.375	7.750	1.000	0.187	58.45
W3077504500	7.750	7.375	7.750	4.500	0.187	284.40
W3080000500	8.000	7.625	8.000	0.500	0.187	51.95
W3080001500	8.000	7.625	8.000	1.500	0.187	87.20
W3080003000	8.000	7.625	8.000	3.000	0.187	148.35
W3082501250	8.250	7.875	8.250	1.250	0.187	63.30
W3082502000	8.250	7.875	8.250	2.000	0.187	93.40
W3082502740	8.250	7.875	8.250	2.740	0.187	184.95
W3082503500	8.250	7.875	8.250	3.500	0.187	256.55
W3083751500	8.375	8.000	8.375	1.500	0.187	91.50
W3085001000	8.500	8.125	8.500	1.000	0.187	54.65
W3085001500	8.500	8.125	8.500	1.500	0.187	94.00
W3085004250	8.500	8.125	8.500	4.250	0.187	398.10
W3090000500	9.000	8.625	9.000	0.500	0.187	60.70
W3090001000	9.000	8.625	9.000	1.000	0.187	68.35
W3090001500	9.000	8.625	9.000	1.500	0.187	103.20
W3091251000	9.125	8.750	9.125	1.000	0.187	97.05
W3092501625	9.250	8.875	9.250	1.625	0.187	163.05
W3093754750	9.375	9.000	9.375	4.750	0.187	497.10
W3093758980	9.375	9.000	9.375	8.980	0.187	896.75
W3093758995	9.375	9.000	9.375	8.995	0.187	896.75
W3095001930	9.500	9.125	9.500	1.930	0.187	187.05

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
3/16" - Cross Section - 0.187"						
W3095001970	9.500	9.125	9.500	1.970	0.187	178.50
W3098750500	9.875	9.500	9.875	0.500	0.187	95.00
W3100000500	10.000	9.625	10.000	0.500	0.187	65.25
W3100000625	10.000	9.625	10.000	0.625	0.187	94.20
W3100001000	10.000	9.625	10.000	1.000	0.187	102.00
W3100001250	10.000	9.625	10.000	1.250	0.187	84.55
W3100001500	10.000	9.625	10.000	1.500	0.187	141.60
W3100002750	10.000	9.625	10.000	2.750	0.187	335.05
W3105002500	10.500	10.125	10.500	2.500	0.187	172.70
W3107506500	10.750	10.375	10.750	6.500	0.187	803.20
W3110001000	11.000	10.625	11.000	1.000	0.187	110.15
W3110002500	11.000	10.625	11.000	2.500	0.187	150.00
W3112501000	11.250	10.875	11.250	1.000	0.187	155.80
W31137511010	11.375	11.000	11.375	11.010	0.187	1335.00
W3120000500	12.000	11.625	12.000	0.500	0.187	102.80
W3120000750	12.000	11.625	12.000	0.750	0.187	105.65
W3120001000	12.000	11.625	12.000	1.000	0.187	158.15
W3120001500	12.000	11.625	12.000	1.500	0.187	173.80
W3120002500	12.000	11.625	12.000	2.500	0.187	172.70
W3122504000	12.250	11.875	12.250	4.000	0.187	368.35
W3125002000	12.500	12.125	12.500	2.000	0.187	195.50
W3125002500	12.500	12.125	12.500	2.500	0.187	180.95
W31287512187	12.875	12.500	12.875	12.187	0.187	1717.60
W31287512220	12.875	12.500	12.875	12.220	0.187	1642.15
W3128752890	12.875	12.500	12.875	2.890	0.187	395.10
W3128754045	12.875	12.500	12.875	4.045	0.187	1353.75
W3130001000	13.000	12.625	13.000	1.000	0.187	173.80
W3130001250	13.000	12.625	13.000	1.250	0.187	128.40
W3131256500	13.125	12.750	13.125	6.500	0.187	1269.55
W3131257870	13.125	12.750	13.125	7.870	0.187	1361.70
W31387510020	13.875	13.500	13.875	10.020	0.187	1973.35
W3138752375	13.875	13.500	13.875	2.375	0.187	1094.40
W3140001000	14.000	13.625	14.000	1.000	0.187	189.70
W3145001750	14.500	14.125	14.500	1.750	0.187	424.10
W3147504760	14.750	14.375	14.750	4.760	0.187	1073.10
W3150001250	15.000	14.625	15.000	1.250	0.187	352.60
W3151257720	15.125	14.750	15.125	7.720	0.187	1285.70
W3160001500	16.000	15.625	16.000	1.500	0.187	206.00
W31612510020	16.125	15.750	16.125	10.020	0.187	2306.95
W3161252370	16.125	15.750	16.125	2.370	0.187	1241.05
W3161257720	16.125	15.750	16.125	7.720	0.187	1803.55
W3164371500	16.437	16.062	16.437	1.500	0.187	228.30
W3165001500	16.500	16.125	16.500	1.500	0.187	237.15
W3183757720	18.375	18.000	18.375	7.720	0.187	1702.00

W1, W2, W3, W4, WR SERIES - NYLON

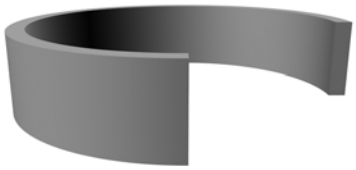
Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/4" - Cross Section - 0.250"						
W4065003500	6.500	6.000	6.500	3.500	0.250	217.35
W4082503500	8.250	7.750	8.250	3.500	0.250	174.50

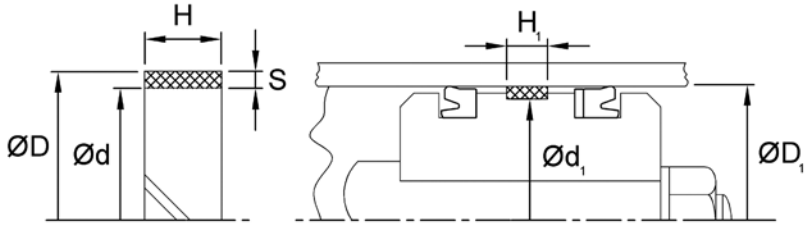
Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions D	H	S	$
1/4" - Cross Section - 0.250"						
W4100002750	10.000	9.500	10.000	2.750	0.250	210.95
W4110002000	11.000	10.500	11.000	2.000	0.250	280.25
W4120000500	12.000	11.500	12.000	0.500	0.250	158.45

WR SERIES - CAT X-REF - NYLON — PISTON APPLICATION

WR - Guiding Elements

Nylon





Temperature: -40/250F [-40/121C] **Pressure: N/A**

Ref.Number	Bore	$	Ref.Number	Bore	$	Ref.Number	Bore	$
RCAT-5W5108	0.600	O/R	RCAT-8C4948	3.060	O/R	RCAT-1259696	3.980	76.55
RCAT-8U5770	0.700	O/R	RCAT-8T8362	3.060	O/R	RCAT-1M1571	4.000	16.05
RCAT-1038329	1.180	23.90	RCAT-7U7647	3.250	O/R	RCAT-3D4522	4.000	12.50
RCAT-5J9073	1.500	15.60	RCAT-8J2577	3.250	12.70	RCAT-5J7154	4.000	11.75
RCAT-5J7942	2.000	O/R	RCAT-8J6371	3.250	18.65	RCAT-6J2797	4.000	14.35
RCAT-7H2423	2.250	9.20	RCAT-8T6683	3.250	55.50	RCAT-4F3515	4.010	O/R
RCAT-8C4802	2.280	O/R	RCAT-8C4808	3.280	O/R	RCAT-8C0539	4.030	O/R
RCAT-8C4803	2.310	O/R	RCAT-8C4809	3.310	O/R	RCAT-8T8311	4.030	O/R
RCAT-8J6212	2.500	9.05	RCAT-4J3236	3.500	21.15	RCAT-8T8335	4.030	O/R
RCAT-8C4804	2.530	O/R	RCAT-7J9885	3.500	14.45	RCAT-8T8312	4.060	O/R
RCAT-1076579	2.560	31.10	RCAT-8T8317	3.530	O/R	RCAT-8T8336	4.060	O/R
RCAT-8C4805	2.560	O/R	RCAT-8T8331	3.530	O/R	RCAT-1259699	4.130	50.40
RCAT-1182716	2.680	45.05	RCAT-8T8318	3.560	O/R	RCAT-5J8157	4.250	19.80
RCAT-8J0112	2.750	13.30	RCAT-8T8332	3.560	O/R	RCAT-6J4003	4.250	22.55
RCAT-8C4806	2.780	O/R	RCAT-5J8019	3.750	16.00	RCAT-6J7264	4.250	14.75
RCAT-8C4807	2.810	O/R	RCAT-8J6245	3.750	22.55	RCAT-8C0541	4.280	O/R
RCAT-6J5733	3.000	14.05	RCAT-8C0547	3.780	O/R	RCAT-8T8325	4.280	O/R
RCAT-8T6443	3.000	14.65	RCAT-8T8337	3.780	O/R	RCAT-8T8329	4.280	O/R
RCAT-8C4947	3.030	O/R	RCAT-8C0548	3.810	O/R	RCAT-8C0542	4.310	O/R
RCAT-8T8361	3.030	O/R	RCAT-8T8338	3.810	O/R	RCAT-8T8326	4.310	O/R

WR SERIES - CAT X-REF - NYLON

PISTON APPLICATION

Ref.Number	Bore	$
RCAT-8T8330	4.310	O/R
RCAT-1182721	4.370	27.40
RCAT-2D0829	4.500	O/R
RCAT-4J2620	4.500	22.85
RCAT-4J3745	4.500	15.80
RCAT-4J4605	4.500	16.50
RCAT-4T8758	4.500	51.35
RCAT-6J4175	4.500	35.55
RCAT-1182724	4.530	28.00
RCAT-8C4810	4.530	O/R
RCAT-8T8327	4.530	O/R
RCAT-8T8355	4.530	O/R
RCAT-8T8328	4.560	O/R
RCAT-8T8356	4.560	O/R
RCAT-4J3342	4.750	20.95
RCAT-4T9248	4.750	26.70
RCAT-7J8879	4.750	O/R
RCAT-8T8390	4.750	56.00
RCAT-1357936	4.770	36.15
RCAT-8T8345	4.780	O/R
RCAT-8T8346	4.810	O/R
RCAT-1357939	4.920	36.15
RCAT-4J3420	5.000	20.85
RCAT-4J4630	5.000	18.45
RCAT-7J1627	5.000	3.50
RCAT-8M4226	5.000	29.90
RCAT-8C4813	5.030	O/R
RCAT-8T8339	5.030	O/R
RCAT-8C4812	5.060	O/R
RCAT-8T8340	5.060	O/R
RCAT-2D0714	5.250	38.20
RCAT-4J3887	5.250	43.20
RCAT-5U4278	5.250	89.25
RCAT-7J8878	5.250	O/R
RCAT-9J7978	5.250	38.65
RCAT-8T8359	5.280	O/R
RCAT-8T8360	5.310	O/R
RCAT-3J9026	5.500	28.00
RCAT-4J3518	5.500	51.40
RCAT-4J4606	5.500	20.75
RCAT-7J1731	5.500	28.05
RCAT-7J3303	5.500	41.20
RCAT-8C9112	5.500	37.60
RCAT-8J1690	5.500	39.05
RCAT-9J7191	5.500	44.65
RCAT-1183955	5.510	O/R
RCAT-8C4815	5.530	O/R
RCAT-8C4817	5.530	O/R
RCAT-8C4818	5.530	O/R
RCAT-8C4820	5.530	O/R
RCAT-8C4822	5.530	O/R
RCAT-8T8315	5.530	O/R
RCAT-8C4814	5.560	O/R
RCAT-8C4816	5.560	O/R
RCAT-8C4821	5.560	O/R
RCAT-8T8316	5.560	O/R
RCAT-0990674	5.670	O/R
RCAT-0990695	5.670	O/R
RCAT-6J3074	5.750	44.45
RCAT-9J4164	5.750	56.60
RCAT-1J0708	6.000	27.45
RCAT-3G6537	6.000	27.20
RCAT-4J7503	6.000	O/R
RCAT-4T6930	6.000	87.90
RCAT-5J0014	6.000	27.90
RCAT-7J5326	6.000	34.85
RCAT-7J8877	6.000	O/R
RCAT-9J5860	6.000	36.10
RCAT-8C0543	6.030	O/R
RCAT-8C4824	6.030	O/R
RCAT-8C4826	6.030	O/R
RCAT-8T8343	6.030	O/R
RCAT-8T8347	6.030	O/R
RCAT-8T8349	6.030	O/R
RCAT-8C0544	6.060	O/R
RCAT-8C4825	6.060	O/R
RCAT-8C4827	6.060	O/R
RCAT-8T8344	6.060	O/R
RCAT-8T8348	6.060	O/R
RCAT-8T8350	6.060	O/R
RCAT-5J3326	6.250	30.65
RCAT-7J9232	6.250	81.05
RCAT-9J5550	6.250	37.60
RCAT-8C4828	6.280	O/R
RCAT-8T8357	6.280	O/R
RCAT-8C4829	6.310	O/R
RCAT-8T8358	6.310	O/R
RCAT-3J9027	6.500	26.45
RCAT-3J9703	6.500	24.70
RCAT-4J7532	6.500	38.75
RCAT-5J0058	6.500	50.95
RCAT-7J1938	6.500	45.85
RCAT-7J8880	6.500	O/R
RCAT-7J8881	6.500	207.00
RCAT-8C9111	6.500	20.25
RCAT-8J9703	6.500	O/R
RCAT-9J0811	6.500	95.35
RCAT-9J3055	6.500	99.70
RCAT-9J9806	6.500	50.35
RCAT-9T0096	6.500	48.20
RCAT-8C0545	6.530	O/R
RCAT-8C4830	6.530	O/R
RCAT-8C4832	6.530	O/R
RCAT-8C4834	6.530	O/R
RCAT-8C4836	6.530	O/R
RCAT-8T8353	6.530	O/R
RCAT-9X7553	6.530	O/R
RCAT-9X7554	6.530	O/R
RCAT-8C0546	6.560	O/R
RCAT-8C4831	6.560	O/R
RCAT-8C4833	6.560	O/R
RCAT-8C4835	6.560	O/R
RCAT-8C4837	6.560	O/R
RCAT-8T8354	6.560	O/R
RCAT-5I8589	6.680	O/R
RCAT-7J3302	6.875	41.40
RCAT-1261957	6.920	85.30
RCAT-3G3470	7.000	55.20
RCAT-3G4641	7.000	O/R
RCAT-3G5098	7.000	41.70
RCAT-8J1662	7.000	65.45
RCAT-8M4228	7.000	40.30
RCAT-9J0711	7.000	51.80
RCAT-8C4838	7.030	O/R
RCAT-8C4840	7.030	O/R
RCAT-8T8363	7.030	O/R
RCAT-8C4839	7.060	O/R
RCAT-8T8364	7.060	O/R
RCAT-1J2674	7.250	38.10
RCAT-1U1734	7.250	104.90
RCAT-3J7848	7.250	42.05
RCAT-8C4846	7.280	O/R
RCAT-8T8319	7.280	O/R
RCAT-8T8341	7.280	O/R
RCAT-8T8320	7.310	O/R
RCAT-8T8342	7.310	O/R
RCAT-1U2218	7.500	63.85
RCAT-8J9936	7.500	62.50
RCAT-9J5562	7.500	55.10
RCAT-8C0549	7.530	O/R
RCAT-8C4848	7.530	O/R
RCAT-8C0550	7.560	O/R
RCAT-8C4849	7.560	O/R
RCAT-3G4625	7.750	270.85

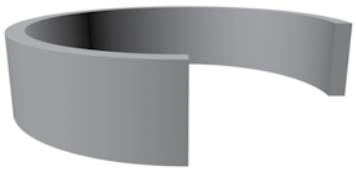
WR SERIES - CAT X-REF - NYLON

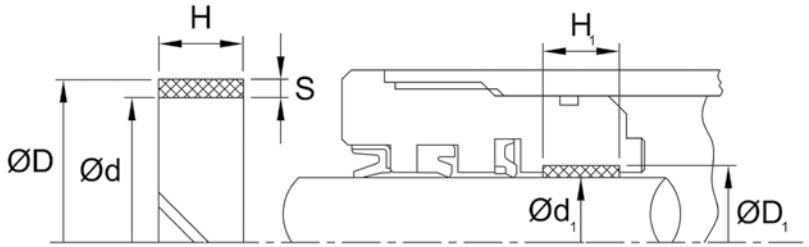
PISTON APPLICATION

Ref.Number	Bore	$
RCAT-4T6932	7.750	206.05
RCAT-7J8886	7.750	O/R
RCAT-7J9247	7.750	84.00
RCAT-9J3624	7.750	51.35
RCAT-9J5037	7.750	61.15
RCAT-1082880	7.780	O/R
RCAT-8C4850	7.780	O/R
RCAT-8C4852	7.780	O/R
RCAT-8C4854	7.780	O/R
RCAT-8C4851	7.810	O/R
RCAT-8C4853	7.810	O/R
RCAT-1J2100	8.000	O/R
RCAT-8T7695	8.000	124.85
RCAT-2J0745	8.250	40.80
RCAT-3G1315	8.250	154.95
RCAT-3G9882	8.250	88.95
RCAT-3J7632	8.250	67.20
RCAT-3J8683	8.250	45.00
RCAT-4J7376	8.250	37.40
RCAT-4T9320	8.250	166.20
RCAT-7J3301	8.250	73.65
RCAT-7J8887	8.250	O/R
RCAT-8J8375	8.250	51.45
RCAT-8J8826	8.250	126.70
RCAT-9J3056	8.250	136.15
RCAT-8C4856	8.280	O/R
RCAT-8C4858	8.280	O/R
RCAT-8C4864	8.280	O/R
RCAT-8C4866	8.280	O/R
RCAT-8T8323	8.280	O/R
RCAT-8T8333	8.280	O/R
RCAT-8C4857	8.310	O/R
RCAT-8C4859	8.310	O/R
RCAT-8C4867	8.310	O/R
RCAT-8T8324	8.310	O/R
RCAT-8T8334	8.310	O/R
RCAT-6J9365	8.500	99.10
RCAT-7J8064	8.500	72.90
RCAT-8T7694	8.500	52.85
RCAT-8C4868	8.530	O/R
RCAT-8C4869	8.560	O/R
RCAT-1080120	9.000	O/R
RCAT-1J5281	9.250	56.00
RCAT-4T5949	9.250	114.10
RCAT-7J2087	9.250	68.30
RCAT-8C0551	9.280	O/R
RCAT-8T8321	9.280	O/R
RCAT-8C0552	9.310	O/R
RCAT-8T8322	9.310	O/R
RCAT-4T6097	9.500	170.00
RCAT-7J8883	9.500	O/R
RCAT-7J8884	9.500	322.50
RCAT-8J9932	9.500	99.30
RCAT-1178865	10.000	85.35
RCAT-1214175	10.000	416.75
RCAT-8C3843	10.000	O/R
RCAT-9J3369	10.000	134.00
RCAT-1293701	10.030	118.95
RCAT-8C4874	10.030	O/R
RCAT-8C4875	10.060	O/R
RCAT-7J8890	10.250	O/R
RCAT-7J8891	10.250	222.50
RCAT-8C4876	10.280	O/R
RCAT-8C4877	10.310	O/R
RCAT-7J1065	10.500	262.10
RCAT-8J5980	10.500	112.45
RCAT-8J8900	10.500	198.45
RCAT-9J1159	10.500	193.25
RCAT-8C4878	10.530	O/R
RCAT-8C4880	10.530	O/R
RCAT-8C4879	10.560	O/R
RCAT-8C4881	10.560	O/R
RCAT-8T6637	10.750	764.95
RCAT-1080124	11.000	187.05
RCAT-6E0249	11.000	392.40
RCAT-1293702	11.030	O/R
RCAT-1293703	11.030	O/R
RCAT-4T4815	11.500	96.80
RCAT-9J2991	11.500	130.70
RCAT-8C4882	11.530	O/R
RCAT-8C4883	11.560	O/R
RCAT-1503409	12.000	569.40
RCAT-9X7331	12.000	O/R
RCAT-4T6096	12.250	350.80
RCAT-1U2694	12.500	224.60
RCAT-6E0308	12.500	O/R
RCAT-1293705	12.530	O/R
RCAT-1530119	12.750	615.35
RCAT-1086215	13.000	131.00
RCAT-1293704	13.030	O/R
RCAT-1U4627	13.125	1296.85
RCAT-4T8019	13.125	1209.10
RCAT-8C9155	13.125	O/R
RCAT-1214188	13.500	135.00
RCAT-1301859	13.530	O/R
RCAT-6E0247	13.750	892.40
RCAT-4T4129	14.250	380.05
RCAT-1503411	14.750	1022.00
RCAT-4T4825	15.125	1224.45
RCAT-9X3564	16.125	1717.70
RCAT-1518411	16.750	1068.40
RCAT-1490811	18.375	1620.95

WR - Guiding Elements

Nylon



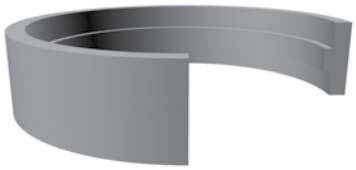


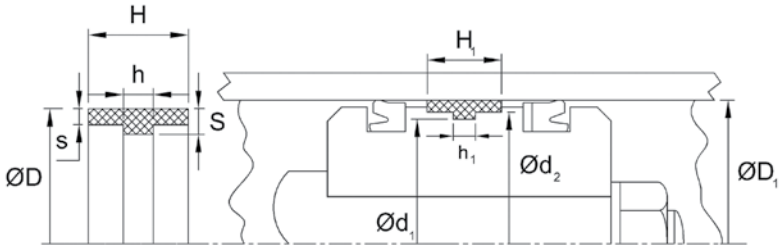
Temperature: -40/250F [-40/121C] **Pressure: N/A**

Ref.Number	Rod	$	Ref.Number	Rod	$	Ref.Number	Rod	$
RCAT-4T6780	1.500	15.00	RCAT-8C9153	3.000	103.15	RCAT-8C3848	6.500	O/R
RCAT-8C3853	1.500	O/R	RCAT-8C9101	3.250	45.75	RCAT-8C9102	6.500	O/R
RCAT-8C9120	1.500	23.90	RCAT-8T0777	3.250	41.55	RCAT-4T6931	6.750	O/R
RCAT-8T5443	1.500	22.60	RCAT-8T4813	3.250	35.85	RCAT-8T6749	7.000	73.60
RCAT-4T6907	1.750	15.05	RCAT-8T6744	3.250	45.60	RCAT-8T7693	7.000	314.35
RCAT-4T6779	1.875	20.60	RCAT-8T6745	3.250	40.50	RCAT-8T7692	7.000	630.30
RCAT-8T6441	1.875	20.35	RCAT-8T3329	3.500	35.40	RCAT-1074347	7.000	630.30
RCAT-8T6442	1.875	23.10	RCAT-8C5245	3.500	54.80	RCAT-6E0173	7.250	O/R
RCAT-4T5613	2.000	12.75	RCAT-8C3829	3.500	50.30	RCAT-4T4811	7.250	195.60
RCAT-8C3836	2.000	O/R	RCAT-8T6746	3.500	34.10	RCAT-1080130	7.500	102.55
RCAT-8T7030	2.000	29.05	RCAT-8T3000	3.500	O/R	RCAT-1214703	7.750	371.75
RCAT-8T8205	2.000	38.90	RCAT-6J3075	3.500	32.95	RCAT-6E0245	8.000	72.45
RCAT-7J2171	2.000	O/R	RCAT-1194761	3.500	42.45	RCAT-9X7330	8.250	O/R
RCAT-4T6128	2.125	26.15	RCAT-8T7848	3.750	72.50	RCAT-1086216	8.750	138.20
RCAT-8T6681	2.125	47.40	RCAT-8T3330	3.750	40.85	RCAT-6E0248	8.750	462.70
RCAT-8T6682	2.125	48.10	RCAT-8T6747	4.000	55.85	RCAT-1074349	9.000	854.05
RCAT-8T4958	2.250	16.90	RCAT-8T7538	4.000	34.60	RCAT-8C3846	9.000	854.05
RCAT-8T8204	2.250	43.65	RCAT-4T4753	4.000	28.05	RCAT-1503413	9.750	484.50
RCAT-8J1585	2.250	O/R	RCAT-7J3300	4.000	49.95	RCAT-8C9156	11.000	O/R
RCAT-9X7260	2.375	22.25	RCAT-1194760	4.000	45.05	RCAT-1U4626	11.000	1271.45
RCAT-8T0785	2.500	31.50	RCAT-8T6748	4.250	73.10	RCAT-4T4827	12.500	1563.95
RCAT-8T5668	2.500	20.40	RCAT-9X3579	4.500	O/R	RCAT-1944420	12.500	1289.30
RCAT-8T8394	2.500	53.15	RCAT-4T6929	4.500	92.65	RCAT-9X7439	13.500	1042.30
RCAT-8T8365	2.500	43.80	RCAT-9J9792	4.500	61.15	RCAT-9X3563	13.500	1879.35
RCAT-8T7372	2.625	86.50	RCAT-8T7850	4.750	53.30	RCAT-1490812	15.750	1181.95
RCAT-6C2385	2.750	28.85	RCAT-8T3331	5.000	92.15	RCAT-1490813	15.750	2197.10
RCAT-8C9114	2.750	25.90	RCAT-9J3054	5.000	98.60			
RCAT-8C9200	2.750	22.80	RCAT-4T5718	5.250	84.35			
RCAT-8T7020	2.750	49.25	RCAT-8J9917	5.500	58.50			
RCAT-8T7849	2.750	47.00	RCAT-9X7420	5.500	O/R			
RCAT-8T6743	2.750	32.75	RCAT-8T3332	5.750	173.90			
RCAT-4T7283	2.750	37.70	RCAT-8T7851	5.750	98.55			
RCAT-8C9161	3.000	23.30	RCAT-6E0499	5.910	O/R			
RCAT-8T1714	3.000	63.75	RCAT-9X3613	6.000	O/R			
RCAT-8T7584	3.000	70.10	RCAT-4T9319	6.000	94.45			
RCAT-9T0094	3.000	36.10	RCAT-7J3299	6.125	123.55			

TWR - Guiding Elements

GR.NYLON





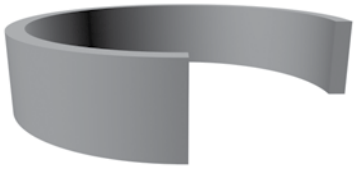
Temperature: -40/250F [-40/250C] **Pressure:**

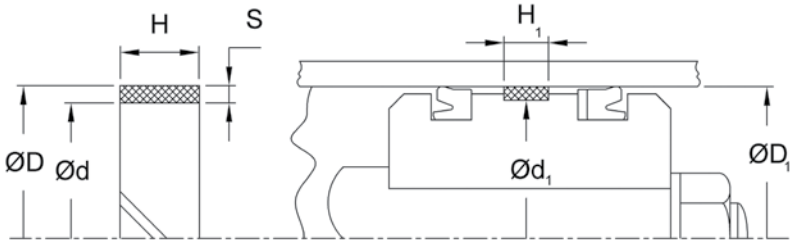
Ref.Number	Bore diameter	Nominal Seal Dimensions						$
	Tol.	D	d	S	s	H	h	
TWR016250442	1.625 +.003 / -.000	1.625		0.160 / 0.165	0.062 / 0.067	0.432 / 0.442	0.180 / 0.185	5.50
TWR016250562	1.625 +.003 / -.000	1.625		0.160 / 0.165	0.062 / 0.067	0.552 / 0.562	0.180 / 0.185	5.65
TWR020000442	2.000 +.003 / -.000	2.000		0.160 / 0.165	0.062 / 0.067	0.432 / 0.442	0.180 / 0.185	6.10
TWR022500442	2.250 +.003 / -.000	2.250		0.160 / 0.165	0.062 / 0.067	0.432 / 0.442	0.180 / 0.185	5.85
TWR027500567	2.750 +.003 / -.000	2.750		0.157 / 0.163	0.062 / 0.067	0.557 / 0.567	0.180 / 0.185	6.05
TWR030000570	3.000 +.003 / -.000	3.000		0.145 / 0.155	0.062 / 0.067	0.560 / 0.570	0.180 / 0.185	6.20
TWR035000750	3.500 +.003 / -.000	3.500		0.145 / 0.155	0.062 / 0.067	0.740 / 0.750	0.245 / 0.250	8.70
TWR040000570	4.000 +.004 / -.000	4.000		0.145 / 0.155	0.062 / 0.067	0.560 / 0.570	0.180 / 0.185	8.80
TWR045000750	4.500 +.004 / -.000	4.500		0.145 / 0.155	0.062 / 0.067	0.740 / 0.750	0.245 / 0.250	9.35
TWR055000750	5.500 +.004 / -.000	5.500		0.145 / 0.155	0.062 / 0.067	0.740 / 0.750	0.245 / 0.250	11.95
TWR060000630	6.000 +.004 / -.000	6.000		0.145 / 0.155	0.062 / 0.067	0.620 / 0.630	0.245 / 0.250	13.10
TWR065000750	6.500 +.004 / -.000	6.500		0.120 / 0.130	0.060 / 0.064	0.740 / 0.750	0.222 / 0.240	14.75
TWR075000750	7.500 +.005 / -.000	7.500		0.120 / 0.130	0.060 / 0.064	0.740 / 0.750	0.222 / 0.240	16.05
TWR085000750	8.500 +.005 / -.000	8.250		0.120 / 0.130	0.060 / 0.064	0.740 / 0.750	0.222 / 0.240	26.50
TWR097500750	9.750 +.005 / -.000	9.750		0.120 / 0.130	0.060 / 0.064	0.740 / 0.750	0.222 / 0.240	37.80



WS-BR60 - Wear Strip

60% BR.PTFE





Temperature: -148/392F [-100/200C] **Pressure: 1400 PSI [96 Bar]**

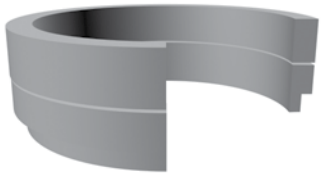
Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.	
WS00250062/BR60	0.250	+.000 / -.010	0.062	+.000 / -.005	10.10
WS00375062/BR60	0.375	+.000 / -.010	0.062	+.000 / -.005	11.05
WS00500062/BR60	0.500	+.000 / -.010	0.062	+.000 / -.005	11.95
WS00625062/BR60	0.625	+.000 / -.010	0.062	+.000 / -.005	13.65
WS00750062/BR60	0.750	+.000 / -.010	0.062	+.000 / -.005	15.00
WS01000062/BR60	1.000	+.000 / -.010	0.062	+.000 / -.005	18.45
WS01250062/BR60	1.250	+.000 / -.010	0.062	+.000 / -.005	22.55
WS01500062/BR60	1.500	+.000 / -.015	0.062	+.000 / -.005	25.35
WS01750062/BR60	1.750	+.000 / -.015	0.062	+.000 / -.005	28.50
WS02000062/BR60	2.000	+.000 / -.020	0.062	+.000 / -.005	31.25
WS00250093/BR60	0.250	+.000 / -.010	0.093	+.000 / -.005	12.60
WS00375093/BR60	0.375	+.000 / -.010	0.093	+.000 / -.005	13.70
WS00500093/BR60	0.500	+.000 / -.010	0.093	+.000 / -.005	16.05
WS00625093/BR60	0.625	+.000 / -.010	0.093	+.000 / -.005	18.70
WS00750093/BR60	0.750	+.000 / -.010	0.093	+.000 / -.005	20.55
WS01000093/BR60	1.000	+.000 / -.010	0.093	+.000 / -.005	25.20

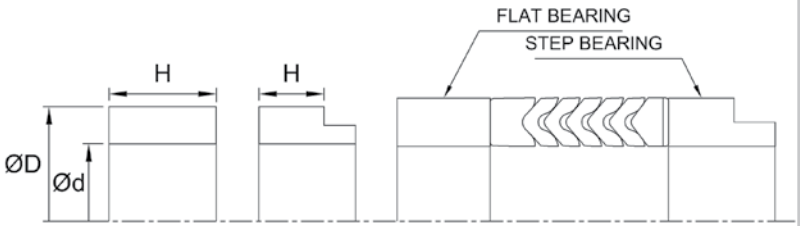
Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.	
WS01250093/BR60	1.250	+.000 / -.010	0.093	+.000 / -.005	30.70
WS01500093/BR60	1.500	+.000 / -.015	0.093	+.000 / -.005	34.50
WS01750093/BR60	1.750	+.000 / -.015	0.093	+.000 / -.005	38.75
WS02000093/BR60	2.000	+.000 / -.020	0.093	+.000 / -.005	42.60
WS00250125/BR60	0.250	+.000 / -.010	0.125	+.000 / -.005	16.85
WS00375125/BR60	0.375	+.000 / -.010	0.125	+.000 / -.005	18.35
WS00500125/BR60	0.500	+.000 / -.010	0.125	+.000 / -.005	21.45
WS00625125/BR60	0.625	+.000 / -.010	0.125	+.000 / -.005	24.90
WS00750125/BR60	0.750	+.000 / -.010	0.125	+.000 / -.005	27.30
WS01000125/BR60	1.000	+.000 / -.010	0.125	+.000 / -.005	33.50
WS01250125/BR60	1.250	+.000 / -.010	0.125	+.000 / -.005	41.00
WS01500125/BR60	1.500	+.000 / -.015	0.125	+.000 / -.005	45.90
WS01750125/BR60	1.750	+.000 / -.015	0.125	+.000 / -.005	51.75
WS02000125/BR60	2.000	+.000 / -.020	0.125	+.000 / -.005	56.80



BEARINGS (Telescopic)

Nylon





Temperature: -40/250F [-40/121C] **Pressure:**

FLAT BEARING

Ref.Number	Stage O.D.	Nominal Bearing Dimensions d	D	H	$
COMMERCIAL INTERTECH					
RCI-02750BRF	2.750	2.750	3.375	1.000	20.25
RCI-03750BRF	3.750	3.750	4.375	1.000	20.30
RCI-04750BRF	4.750	4.750	5.375	1.000	31.20
RCI-05750BRF	5.750	5.750	6.375	1.000	35.75
RCI-06750BRF	6.750	6.750	7.375	1.000	38.40
RCI-07905BRF	7.905	7.905	8.543	1.000	57.90
RCI-09375BRF	9.375	9.375	10.000	1.000	122.75
HYCO					
RHYC-03000BRF	3.000	3.000	3.500	0.750	13.15
RHYC-03000BRF/1	3.000	3.000	3.530	0.750	13.15
RHYC-04000BRF	4.000	4.000	4.500	0.750	14.45
RHYC-04000BRF/1	4.000	4.000	4.530	0.750	14.45
RHYC-05000BRF	5.000	5.000	5.500	0.750	15.15
RHYC-05000BRF/1	5.000	5.000	5.530	0.750	15.15
RHYC-06000BRF	6.000	6.000	6.500	0.750	16.60
RHYC-06000BRF/1	6.000	6.000	6.530	0.750	16.60
RHYC-07000BRF	7.000	7.000	7.500	0.750	18.60
RHYC-07000BRF/1	7.000	7.000	7.530	0.750	18.60
RHYC-08000BRF	8.000	8.000	8.500	0.750	20.45
RHYC-08000BRF/1	8.000	8.000	8.530	0.750	20.45
RHYC-08125BRF	8.125	8.125	8.625	0.750	46.45
RHYC-08250BRF	8.250	8.250	9.000	0.750	56.45
RHYC-09000BRF	9.000	9.000	9.750	0.750	56.45
RHYC-09125BRF	9.125	9.125	9.625	0.750	46.75
RHYC-09125BRF/1	9.125	9.125	9.750	0.750	48.30
RHYC-09375BRF	9.375	9.375	9.875	0.750	69.70

STEP BEARING

Ref.Number	Stage O.D.	Nominal Bearing Dimensions d	D	H	$
COMMERCIAL INTERTECH					
HYCO					
RHYC-03000BRS	3.000	3.000	3.500	0.445	13.15
RHYC-03000BRS/1	3.000	3.000	3.530	0.570	13.15
RHYC-04000BRS	4.000	4.000	4.500	0.445	14.45
RHYC-04000BRS/1	4.000	4.000	4.530	0.570	14.45
RHYC-05000BRS	5.000	5.000	5.500	0.445	15.15
RHYC-05000BRS/1	5.000	5.000	5.530	0.570	15.15
RHYC-06000BRS	6.000	6.000	6.500	0.445	16.60
RHYC-06000BRS/1	6.000	6.000	6.530	0.570	16.60
RHYC-07000BRS	7.000	7.000	7.500	0.445	18.60
RHYC-07000BRS/1	7.000	7.000	7.530	0.570	18.60
RHYC-08000BRS	8.000	8.000	8.500	0.445	20.45
RHYC-08000BRS/1	8.000	8.000	8.530	0.570	20.45
RHYC-08125BRS	8.125	8.125	8.625	0.445	46.45
RHYC-08250BRS	8.250	8.250	9.000	0.445	56.45
RHYC-09000BRS	9.000	9.000	9.750	0.445	56.45
RHYC-09125BRS	9.125	9.125	9.625	0.445	46.75
RHYC-09125BRS/1	9.125	9.125	9.750	0.445	48.30
RHYC-09375BRS	9.375	9.375	9.875	0.445	69.70

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BEARING FOR TELESCOPIC CYLINDERS SERIES - NYLON

FLAT BEARING

PEABODY GALION

Ref.Number	Stage O.D.	Nominal Bearing Dimensions d	D	H	$
RPG-02970BRF	2.970	2.970	3.520	0.750	14.95
RPG-03970BRF	3.970	3.970	4.520	0.750	14.15
RPG-04970BRF	4.970	4.970	5.520	0.750	14.45
RPG-05970BRF	5.970	5.970	6.650	0.750	15.45
RPG-06970BRF	6.970	6.970	7.520	0.750	16.40
RPG-07970BRF	7.970	7.970	8.520	0.750	17.45

WARD

Ref.Number	Stage O.D.	Nominal Bearing Dimensions d	D	H	$
RWAR-02950BRF	2.950	2.950	3.500	0.750	43.20
RWAR-03950BRF	3.950	3.950	4.500	0.750	57.65
RWAR-04950BRF	4.950	4.950	5.500	0.750	65.30
RWAR-05950BRF	5.950	5.950	6.500	0.750	68.35
RWAR-06950BRF	6.950	6.950	7.500	0.750	94.45
RWAR-07950BRF	7.950	7.950	8.500	0.750	118.20
RWAR-08950BRF	8.950	8.950	9.500	0.750	119.80

STEP BEARING

PEABODY GALION

Ref.Number	Stage O.D.	Nominal Bearing Dimensions d	D	H	$

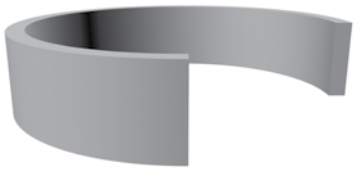
WARD

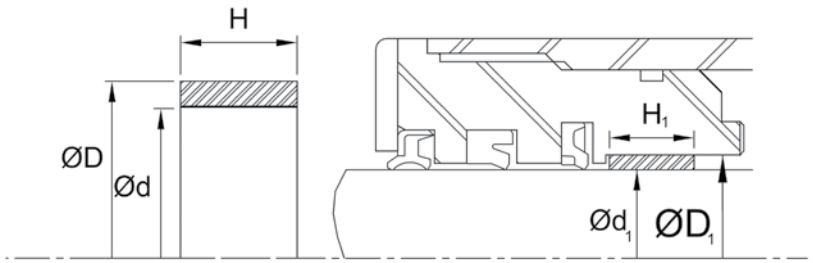
Ref.Number	Stage O.D.	Nominal Bearing Dimensions d	D	H	$
RWAR-02950BRS	2.950	2.950	3.500	0.750	43.20
RWAR-03950BRS	3.950	3.950	4.500	0.750	57.65
RWAR-04950BRS	4.950	4.950	5.500	0.750	65.30
RWAR-05950BRS	5.950	5.950	6.500	0.750	93.70
RWAR-06950BRS	6.950	6.950	7.500	0.750	94.45
RWAR-07950BRS	7.950	7.950	8.500	0.750	118.20
RWAR-08950BRS	8.950	8.950	9.500	0.750	119.80



BEARING SERIES - CAT - REF - BR.PTFE/STEEL

BEARING
BR.PTFE/STEEL

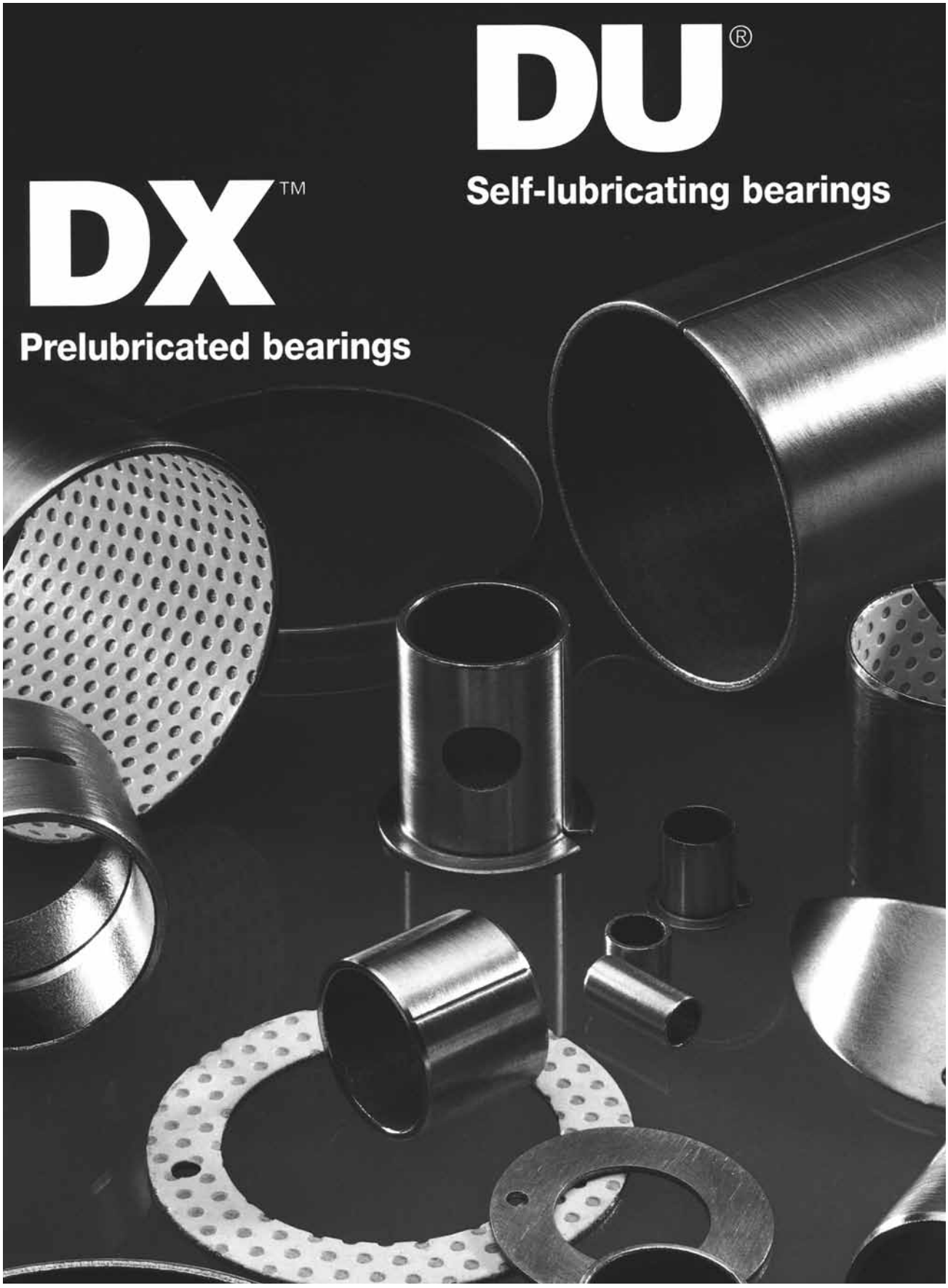




Temperature: -328/536F [-200/280C] **Pressure: 44000 PSI [3035 Bar]**

Ref.Number	Rod - d		Groove Width - H		Groove outside dia - D		$
	inch	metric	inch	metric	inch	metric	
RCAT-1140752	2.170	55.00	1.180	30.03	2.360	60.00	10.70
RCAT-1140751	2.360	60.00	1.590	40.30	2.560	65.00	16.15
RCAT-1140754	2.560	65.00	1.590	40.30	2.760	70.00	17.15
RCAT-1140753	2.760	70.00	1.590	40.30	2.950	75.00	16.15
RCAT-1140750	2.950	75.00	1.590	40.30	3.150	80.00	19.70
RCAT-1505839	3.150	80.00	1.180	30.00	3.350	85.00	20.95
RCAT-1140755	3.150	80.00	1.590	40.30	3.350	85.00	19.70
RCAT-0964402	3.350	85.00	1.180	30.00	3.540	90.00	23.60
RCAT-1140756	3.350	85.00	1.590	40.30	3.540	90.00	24.60
RCAT-1052575	3.540	90.00	1.180	30.00	3.740	95.00	22.55
RCAT-1652575	3.540	90.00	1.180	30.00	3.740	95.00	22.35
RCAT-1140758	3.540	90.00	1.590	40.30	3.740	95.00	28.55
RCAT-1211574	3.540	90.00	1.980	50.30	3.740	95.00	32.60
RCAT-0964430	3.740	95.00	1.180	30.00	3.940	100.00	25.15
RCAT-1289260	3.740	95.00	1.590	40.30	3.940	100.00	29.60
RCAT-0965625	3.940	100.00	1.380	35.00	4.150	105.50	34.75
RCAT-1140757	3.940	100.00	1.590	40.30	4.130	105.00	34.10
RCAT-0995572	4.130	105.00	1.380	35.00	4.330	110.00	29.80
RCAT-1140760	4.130	105.00	1.980	50.30	4.330	110.00	26.90
RCAT-1140762	4.330	110.00	1.980	50.30	4.530	115.00	26.95
RCAT-1140761	4.330	110.00	2.370	60.30	4.530	115.00	60.00
RCAT-1211599	5.000	127.00	2.370	60.30	5.200	132.02	O/R
RCAT-1140763	5.120	130.00	2.370	60.30	5.310	135.00	57.35
RCAT-1289261	5.510	140.00	2.180	55.30	5.710	145.00	72.00
RCAT-1211607	5.750	146.00	1.980	50.30	5.950	151.07	O/R
RCAT-1289262	5.910	150.00	2.370	60.30	6.100	155.00	72.55

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DU®
Self-lubricating bearings
DX™
Prelubricated bearings

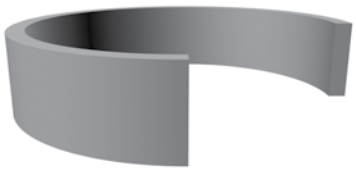
"DU" BEARINGS - UP TO 2"

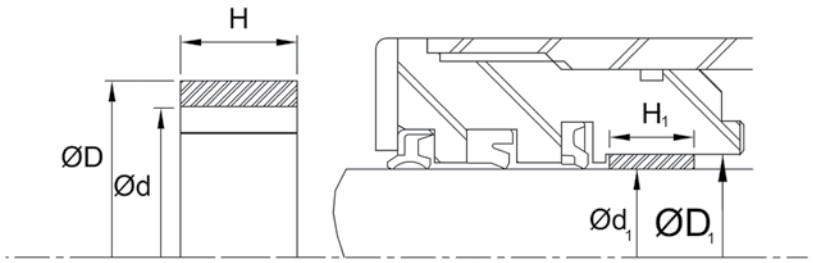
Nominal Bearing Bore	Recommended Shaft Dia.	Recommended Housing Bore	Installed Bearing ID*	Bearing Length and Part Number											
1/8	.1243 .1236	.1873 .1878	.1243 .1268	1/8	GB02DU02	3/16	GB02DU03								
5/32	.1554 .1547	.2186 .2191	.1556 .1581	5/32	GB025DU025	1/4	GB025DU04								
3/16	.1865 .1858	.2497 .2503	.1867 .1893	3/16	GB03DU03	1/4	GB03DU04	3/8	GB03DU06						
1/4	.2490 .2481	.3122 .3128	.2492 .2518	1/4	GB04DU04	3/8	GB04DU06								
5/16	.3115 .3106	.3747 .3753	.3117 .3143	3/8	GB05DU06	1/2	GB05DU08								
3/8	.3740 .3731	.4684 .4691	.3742 .3769	3/16	GB06DU03	1/4	GB06DU04	3/8	GB06DU06	1/2	GB06DU08	5/8	GB06DU10	3/4	GB06DU12
7/16	.4365 .4355	.5309 .5316	.4367 .4394	1/2	GB07DU08	3/4	GB07DU12								
1/2	.4990 .4980	.5934 .5941	.4992 .5019	1/4	GB08DU04	3/8	GB08DU06	1/2	GB08DU08	5/8	GB08DU10	3/4	GB08DU12	7/8	GB08DU14
9/16	.5615 .5605	.6559 .6566	.5617 .5644	3/8	GB09DU06	1/2	GB09DU08	5/8	GB09DU10	3/4	GB09DU12				
5/8	.6240 .6230	.7184 .7192	.6242 .6270	1/4	GB10DU04	1/2	GB10DU08	5/8	GB10DU10	3/4	GB10DU12	7/8	GB10DU14	1	GB10DU16
11/16	.6865 .6855	.7809 .7817	.6867 .6895	7/8	GB11DU14	3/4	GB11DU12								
3/4	.7491 .7479	.8747 .8755	.7493 .7525	1/4	GB12DU04	3/8	GB12DU06	1/2	GB12DU08	5/8	GB12DU10	3/4	GB12DU12	1	GB12DU16
13/16	.8116 .8104	.9372 .9380	.8118 .8150	3/4	GB13DU12	1 1/8	GB13DU18								
7/8	.8741 .8729	.9997 1.0005	.8743 .8775	1/4	GB14DU04	3/8	GB14DU06	3/4	GB14DU12	1	GB14DU16	1 1/4	GB14DU20		
1	.9991 .9979	1.1247 1.1255	.9993 1.0025	3/8	GB16DU06	1/2	GB16DU08	3/4	GB16DU12	1	GB16DU16	1 1/4	GB16DU20	1 1/2	GB16DU24
1 1/8	1.1238 1.1226	1.2808 1.2818	1.1240 1.1278	3/8	GB18DU06	5/8	GB18DU10	3/4	GB18DU12	1	GB18DU16				
1 1/4	1.2488 1.2472	1.4058 1.4068	1.2490 1.2528	3/8	GB20DU06	3/4	GB20DU12	7/8	GB20DU14	1	GB20DU16	1 1/4	GB20DU20	1 3/4	GB20DU28
1 3/8	1.3738 1.3722	1.5308 1.5318	1.3740 1.3778	3/4	GB22DU12	1	GB22DU16	1 1/2	GB22DU24	1 3/4	GB22DU28				
1 1/2	1.4988 1.4972	1.6558 1.6568	1.4990 1.5028	1/2	GB24DU08	1	GB24DU16	1 1/8	GB24DU18	1 1/4	GB24DU20	1 1/2	GB24DU24	2	GB24DU32
1 5/8	1.6238 1.6222	1.7808 1.7818	1.6240 1.6278	1	GB26DU16	1 1/2	GB26DU24								
1 3/4	1.7487 1.7471	1.9371 1.9381	1.7489 1.7535	1	GB28DU16	1 1/2	GB28DU24	2	GB28DU32						
1 7/8	1.8737 1.8721	2.0621 2.0633	1.8739 1.8787	3/4	GB30DU12	1	GB30DU16	2 1/4	GB30DU36						
2	1.9987 1.9969	2.1871 2.1883	1.9989 2.0037	1/2	GB32DU08	1	GB32DU16	1 1/2	GB32DU24	1 3/4	GB32DU28	2	GB32DU32	2 1/2	GB32DU40

Nominal Bearing Bore	Recommended Shaft Dia.	Recommended Housing Bore	Installed Bearing ID*	Bearing Length and Part Number											
2 1/8	2.1257 2.1239	2.3118 2.3130	2.1262 2.1326	3	GB34DU48										
2 1/4	2.2507 2.2489	2.4365 2.4377	2.2509 2.2573	1 3/4	GB36DU28	2	GB36DU32	2 1/2	GB36DU40	3	GB36DU48	3 1/2	GB36DU56	3 3/4	GB36DU60
2 1/2	2.5011 2.4993	2.6869 2.6881	2.5013 2.5077	1	GB40DU16	1 5/8	GB40DU26	2	GB40DU32	2 1/2	GB40DU40	3	GB40DU48	3 1/2	GB40DU56
2 3/4	2.7500 2.7482	2.9358 2.9370	2.7502 2.7566	2	GB44DU32	2 1/4	GB44DU36	2 1/2	GB44DU40	3	GB44DU48	3 1/2	GB44DU56	3 3/4	GB44DU60
2 7/8	2.8752 2.8734	3.0610 3.0623	2.8754 2.8819	2	GB46DU32	2 1/4	GB46DU36	2 1/2	GB46DU40	3	GB46DU48	3 1/2	GB46DU56	3 3/4	GB46DU60
3	3.0000 2.9982	3.1858 3.1872	3.0002 3.0068	2	GB48DU32	2 1/4	GB48DU36	2 1/2	GB48DU40	3	GB48DU48	3 1/2	GB48DU56	3 3/4	GB48DU60
3 1/4	3.2500 3.2480	3.4358 3.4372	3.2502 3.2568	2	GB52DU32	2 3/8	GB52DU38	2 1/2	GB52DU40	3	GB52DU48	3 1/2	GB52DU56	3 3/4	GB52DU60
3 1/2	3.5000 3.4978	3.6858 3.6872	3.5002 3.5068	2	GB56DU32	2 3/8	GB56DU38	2 1/2	GB56DU40	3	GB56DU48	3 1/2	GB56DU56	3 3/4	GB56DU60
3 5/8	3.6250 3.6228	3.8108 3.8122	3.6252 3.6318	2	GB58DU32	2 1/4	GB58DU36	2 1/2	GB58DU40	3	GB58DU48	3 1/2	GB58DU56	3 3/4	GB58DU60
3 3/4	3.7500 3.7478	3.9358 3.9372	3.7502 3.7568	2	GB60DU32	2 1/4	GB60DU36	2 1/2	GB60DU40	3	GB60DU48	3 1/2	GB60DU56	3 3/4	GB60DU60
4	4.0000 3.9978	4.1858 4.1872	4.0002 4.0068	2	GB64DU32	2 1/4	GB64DU36	2 1/2	GB64DU40	3	GB64DU48	3 1/2	GB64DU56	3 3/4	GB64DU60
4 1/4	4.2500 4.2478	4.4358 4.4372	4.2502 4.2568	2	GB68DU32	2 1/4	GB68DU36	2 1/2	GB68DU40	3	GB68DU48	3 1/2	GB68DU56	3 3/4	GB68DU60
4 3/8	4.3750 4.3728	4.5608 4.5622	4.3752 4.3818	2	GB70DU32	2 1/4	GB70DU36	2 1/2	GB70DU40	3	GB70DU48	3 1/2	GB70DU56	3 3/4	GB70DU60
4 1/2	4.5000 4.4978	4.6858 4.6872	4.5002 4.5068	2	GB72DU32	2 1/4	GB72DU36	2 1/2	GB72DU40	3	GB72DU48	3 1/2	GB72DU56	3 3/4	GB72DU60
4 3/4	4.7500 4.7475	4.9358 4.9374	4.7502 4.7572	2	GB76DU32	2 1/4	GB76DU36	2 1/2	GB76DU40	3	GB76DU48	3 1/2	GB76DU56	3 3/4	GB76DU60
5	4.9986 4.9961	5.1844 5.1860	4.9988 5.0056	2	GB80DU32	2 1/4	GB80DU36	2 1/2	GB80DU40	3	GB80DU48	3 1/2	GB80DU56	3 3/4	GB80DU60
5 1/4	5.2500 5.2475	5.4358 5.4374	5.2502 5.2570	2	GB84DU32	2 1/4	GB84DU36	2 1/2	GB84DU40	3	GB84DU48	3 1/2	GB84DU56	3 3/4	GB84DU60
5 1/2	5.5000 4.4975	5.6858 5.6874	5.5002 5.5070	2	GB88DU32	2 1/4	GB88DU36	2 1/2	GB88DU40	3	GB88DU48	3 1/2	GB88DU56	3 3/4	GB88DU60
5 3/4	5.7500 5.7475	5.9358 5.9374	5.7502 5.7570	2	GB92DU32	2 1/4	GB92DU36	2 1/2	GB92DU40	3	GB92DU48	3 1/2	GB92DU56	3 3/4	GB92DU60
6	6.0000 5.9975	6.1858 6.1874	6.0002 6.0070	2	GB96DU32	2 1/4	GB96DU36	2 1/2	GB96DU40	3	GB96DU48	3 1/2	GB96DU56	3 3/4	GB96DU60
6 1/4	6.2500 6.2475	6.4358 6.4374	6.2502 6.2570	2	GB100DU32	2 1/4	GB100DU36	2 1/2	GB100DU40	3	GB100DU48	3 1/2	GB100DU56	3 3/4	GB100DU60
6 1/2	6.5000 6.4975	6.6858 6.6874	6.5002 6.5070	2	GB104DU32	2 1/4	GB104DU36	2 1/2	GB104DU40	3	GB104DU48	3 1/2	GB104DU56	3 3/4	GB104DU60
6 3/4	6.7500 6.7475	6.9358 6.9374	6.7502 6.7570	2	GB108DU32	2 1/4	GB108DU36	2 1/2	GB108DU40	3	GB108DU48	3 1/2	GB108DU56	3 3/4	GB108DU60

"DU" BEARING

BR.PTFE/STEEL





Temperature: -328/536F [-200/280C] **Pressure: 44000 PSI [3035 Bar]**

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$	Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H				d	D	H	
GB02DU02	0.125	0.125	0.187	0.125	O/R	GB11DU14	0.687	0.687	0.781	0.875	O/R
GB02DU03	0.125	0.125	0.187	0.187	O/R	GB12DU04	0.750	0.750	0.875	0.250	O/R
GB025DU025	0.156	0.155	0.218	0.155	O/R	GB12DU06	0.750	0.750	0.875	0.375	O/R
GB025DU04	0.156	0.155	0.218	0.250	O/R	GB12DU08	0.750	0.750	0.875	0.500	O/R
GB03DU03	0.187	0.187	0.250	0.187	O/R	GB12DU10	0.750	0.750	0.875	0.625	O/R
GB03DU04	0.187	0.187	0.250	0.250	O/R	GB12DU12	0.750	0.750	0.875	0.750	O/R
GB03DU06	0.187	0.187	0.250	0.375	O/R	GB12DU16	0.750	0.750	0.875	1.000	O/R
GB04DU04	0.250	0.250	0.312	0.250	O/R	GB13DU12	0.812	0.812	0.937	0.750	O/R
GB04DU06	0.250	0.250	0.312	0.375	O/R	GB13DU18	0.812	0.812	0.937	1.125	O/R
GB05DU06	0.312	0.312	0.375	0.375	O/R	GB14DU04	0.875	0.875	1.000	0.250	O/R
GB05DU08	0.312	0.312	0.375	0.500	O/R	GB14DU06	0.875	0.875	1.000	0.375	O/R
GB06DU03	0.375	0.375	0.468	0.187	O/R	GB14DU10	0.875	0.875	1.000	0.625	O/R
GB06DU04	0.375	0.375	0.468	0.250	O/R	GB14DU12	0.875	0.875	1.000	0.750	O/R
GB06DU06	0.375	0.375	0.468	0.375	O/R	GB14DU14	0.875	0.875	1.000	0.875	O/R
GB06DU08	0.375	0.375	0.468	0.500	O/R	GB14DU16	0.875	0.875	1.000	1.000	O/R
GB06DU10	0.375	0.375	0.468	0.625	O/R	GB14DU20	0.875	0.875	1.000	1.250	O/R
GB06DU12	0.375	0.375	0.468	0.750	O/R	GB16DU06	1.000	1.000	1.125	0.375	O/R
GB07DU08	0.437	0.437	0.531	0.500	O/R	GB16DU08	1.000	1.000	1.125	0.500	O/R
GB07DU12	0.437	0.437	0.531	0.750	O/R	GB16DU10	1.000	1.000	1.125	0.625	O/R
GB08DU04	0.500	0.500	0.593	0.250	O/R	GB16DU12	1.000	1.000	1.125	0.750	O/R
GB08DU06	0.500	0.500	0.593	0.375	O/R	GB16DU16	1.000	1.000	1.125	1.000	O/R
GB08DU08	0.500	0.500	0.593	0.500	O/R	GB16DU20	1.000	1.000	1.125	1.250	O/R
GB08DU10	0.500	0.500	0.593	0.625	O/R	GB16DU24	1.000	1.000	1.125	1.500	O/R
GB08DU12	0.500	0.500	0.593	0.750	O/R	GB17DU14	1.062	1.062	1.187	0.875	O/R
GB08DU14	0.500	0.500	0.593	0.875	O/R	GB18DU06	1.125	1.125	1.281	0.375	O/R
GB09DU06	0.562	0.562	0.656	0.375	O/R	GB18DU10	1.125	1.125	1.281	0.625	O/R
GB09DU08	0.562	0.562	0.656	0.500	O/R	GB18DU12	1.125	1.125	1.281	0.750	O/R
GB09DU10	0.562	0.562	0.656	0.625	O/R	GB18DU16	1.125	1.125	1.281	1.000	O/R
GB09DU12	0.562	0.562	0.656	0.750	O/R	GB20DU06	1.250	1.250	1.406	0.375	O/R
GB10DU04	0.625	0.625	0.718	0.250	O/R	GB20DU08	1.250	1.250	1.406	0.500	O/R
GB10DU06	0.625	0.625	0.718	0.375	O/R	GB20DU10	1.250	1.250	1.406	0.625	O/R
GB10DU07	0.625	0.625	0.718	0.437	O/R	GB20DU12	1.250	1.250	1.406	0.750	O/R
GB10DU08	0.625	0.625	0.718	0.500	O/R	GB20DU14	1.250	1.250	1.406	0.875	O/R
GB10DU10	0.625	0.625	0.718	0.625	O/R	GB20DU16	1.250	1.250	1.406	1.000	O/R
GB10DU12	0.625	0.625	0.718	0.750	O/R	GB20DU20	1.250	1.250	1.406	1.250	O/R
GB10DU14	0.625	0.625	0.718	0.875	O/R	GB20DU28	1.250	1.250	1.406	1.750	O/R
GB10DU16	0.625	0.625	0.718	1.000	O/R	GB22DU12	1.375	1.375	1.531	0.750	O/R
GB11DU12	0.687	0.687	0.781	0.750	O/R	GB22DU16	1.375	1.375	1.531	1.000	O/R

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"DU" BEARINGS SERIES - BR.PTFE/STEEL

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB22DU24	1.375	1.375	1.531	1.500	O/R
GB22DU28	1.375	1.375	1.531	1.750	O/R
GB24DU06	1.500	1.500	1.656	0.375	O/R
GB24DU08	1.500	1.500	1.656	0.500	O/R
GB24DU12	1.500	1.500	1.656	0.750	O/R
GB24DU16	1.500	1.500	1.656	1.000	O/R
GB24DU18	1.500	1.500	1.656	1.125	O/R
GB24DU20	1.500	1.500	1.656	1.250	O/R
GB24DU24	1.500	1.500	1.656	1.500	O/R
GB24DU32	1.500	1.500	1.656	2.000	O/R
GB26DU16	1.625	1.625	1.781	1.000	O/R
GB26DU24	1.625	1.625	1.781	1.500	O/R
GB28DU08	1.750	1.750	1.937	0.500	O/R
GB28DU12	1.750	1.750	1.937	0.750	O/R
GB28DU16	1.750	1.750	1.937	1.000	O/R
GB28DU20	1.750	1.750	1.937	1.250	O/R
GB28DU24	1.750	1.750	1.937	1.500	O/R
GB28DU32	1.750	1.750	1.937	2.000	O/R
GB30DU06	1.875	1.875	2.062	0.375	O/R
GB30DU12	1.875	1.875	2.062	0.750	O/R
GB30DU16	1.875	1.875	2.062	1.000	O/R
GB30DU36	1.875	1.875	2.062	2.250	O/R
GB32DU08	2.000	2.000	2.187	0.500	O/R
GB32DU10	2.000	2.000	2.187	0.625	O/R
GB32DU16	2.000	2.000	2.187	1.000	O/R
GB32DU24	2.000	2.000	2.187	1.500	O/R
GB32DU28	2.000	2.000	2.187	1.750	O/R
GB32DU32	2.000	2.000	2.187	2.000	O/R
GB32DU40	2.000	2.000	2.187	2.500	O/R
GB34DU12	2.125	2.125	2.312	0.750	O/R
GB34DU48	2.125	2.125	2.312	3.000	O/R
GB36DU12	2.250	2.250	2.437	0.750	O/R
GB36DU16	2.250	2.250	2.437	1.000	O/R
GB36DU24	2.250	2.250	2.437	1.500	O/R
GB36DU28	2.250	2.250	2.437	1.750	O/R
GB36DU32	2.250	2.250	2.437	2.000	O/R
GB36DU40	2.250	2.250	2.437	2.500	O/R
GB36DU48	2.250	2.250	2.437	3.000	O/R
GB36DU60	2.250	2.250	2.437	3.750	O/R
GB38DU28	2.375	2.375	2.562	1.750	O/R
GB40DU08	2.500	2.500	2.686	0.500	O/R
GB40DU16	2.500	2.500	2.687	1.000	O/R
GB40DU20	2.500	2.500	2.687	1.250	O/R
GB40DU24	2.500	2.500	2.687	1.500	O/R
GB40DU26	2.500	2.500	2.687	1.625	O/R
GB40DU32	2.500	2.500	2.687	2.000	O/R
GB40DU36	2.500	2.500	2.687	2.250	O/R
GB40DU40	2.500	2.500	2.687	2.500	O/R

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB40DU48	2.500	2.500	2.687	3.000	O/R
GB40DU56	2.500	2.500	2.687	3.500	O/R
GB40DU64	2.500	2.500	2.687	4.000	O/R
GB40DU72	2.500	2.500	2.687	4.500	O/R
GB44DU10	2.750	2.750	2.937	0.625	O/R
GB44DU12	2.750	2.750	2.937	0.750	O/R
GB44DU16	2.750	2.750	2.937	1.000	O/R
GB44DU28	2.750	2.750	2.937	1.750	O/R
GB44DU32	2.750	2.750	2.937	2.000	O/R
GB44DU36	2.750	2.750	2.937	2.250	O/R
GB44DU40	2.750	2.750	2.937	2.500	O/R
GB44DU48	2.750	2.750	2.937	3.000	O/R
GB44DU56	2.750	2.750	2.937	3.500	O/R
GB46DU16	2.875	2.875	3.062	1.000	O/R
GB46DU32	2.875	2.875	3.062	2.000	O/R
GB46DU36	2.875	2.875	3.062	2.250	O/R
GB46DU40	2.875	2.875	3.062	2.500	O/R
GB46DU48	2.875	2.875	3.062	3.000	O/R
GB46DU64	2.875	2.875	3.062	4.000	O/R
GB46DU76	2.875	2.875	3.062	4.750	O/R
GB46DU80	2.875	2.875	3.062	5.000	O/R
GB48DU12	3.000	3.000	3.187	0.750	O/R
GB48DU20	3.000	3.000	3.187	1.250	O/R
GB48DU24	3.000	3.000	3.187	1.500	O/R
GB48DU32	3.000	3.000	3.187	2.000	O/R
GB48DU36	3.000	3.000	3.187	2.250	O/R
GB48DU40	3.000	3.000	3.187	2.500	O/R
GB48DU48	3.000	3.000	3.187	3.000	O/R
GB48DU56	3.000	3.000	3.187	3.500	O/R
GB48DU60	3.000	3.000	3.187	3.750	O/R
GB48DU64	3.000	3.000	3.187	4.000	O/R
GB48DU72	3.000	3.000	3.187	4.500	O/R
GB52DU12	3.250	3.250	3.437	0.750	O/R
GB52DU16	3.250	3.250	3.437	1.000	O/R
GB52DU20	3.250	3.250	3.437	1.250	O/R
GB52DU30	3.250	3.250	3.437	1.875	O/R
GB52DU32	3.250	3.250	3.437	2.000	O/R
GB52DU38	3.250	3.250	3.437	2.375	O/R
GB52DU40	3.250	3.250	3.437	2.500	O/R
GB52DU48	3.250	3.250	3.437	3.000	O/R
GB52DU60	3.250	3.250	3.437	3.750	O/R
GB52DU56	3.250	3.250	3.437	3.500	O/R
GB52DU64	3.250	3.250	3.437	4.000	O/R
GB54DU80	3.375	3.375	3.500	5.000	O/R
GB56DU16	3.500	3.500	3.687	1.000	O/R
GB56DU20	3.500	3.500	3.687	1.250	O/R
GB56DU24	3.500	3.500	3.687	1.500	O/R
GB56DU31	3.500	3.500	3.687	1.937	O/R

"DU" BEARINGS SERIES - BR.PTFE/STEEL

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB56DU32	3.500	3.500	3.687	2.000	O/R
GB56DU38	3.500	3.500	3.687	2.375	O/R
GB56DU40	3.500	3.500	3.687	2.500	O/R
GB56DU48	3.500	3.500	3.687	3.000	O/R
GB56DU56	3.500	3.500	3.687	3.500	O/R
GB56DU60	3.500	3.500	3.687	3.750	O/R
GB56DU64	3.500	3.500	3.687	4.000	O/R
GB56DU72	3.500	3.500	3.687	4.500	O/R
GB56DU80	3.500	3.500	3.687	5.000	O/R
GB58DU32	3.625	3.625	3.812	2.000	O/R
GB58DU36	3.625	3.625	3.812	2.250	O/R
GB58DU40	3.625	3.625	3.812	2.500	O/R
GB58DU48	3.625	3.625	3.812	3.000	O/R
GB58DU60	3.625	3.625	3.812	3.750	O/R
GB58DU80	3.625	3.625	3.812	5.000	O/R
GB60DU60	3.750	3.750	3.937	3.750	O/R
GB60DU16	3.750	3.750	3.937	1.000	O/R
GB60DU28	3.750	3.750	3.937	1.750	O/R
GB60DU32	3.750	3.750	3.937	2.000	O/R
GB60DU36	3.750	3.750	3.937	2.250	O/R
GB60DU40	3.750	3.750	3.937	2.500	O/R
GB60DU48	3.750	3.750	3.937	3.000	O/R
GB60DU56	3.750	3.750	3.937	3.500	O/R
GB60DU80	3.750	3.750	3.937	5.000	O/R
GB64DU12	4.000	4.000	4.187	0.750	O/R
GB64DU16	4.000	4.000	4.187	1.000	O/R
GB64DU18	4.000	4.000	4.187	1.125	O/R
GB64DU24	4.000	4.000	4.187	1.500	O/R
GB48DU26	4.000	4.000	4.187	1.625	O/R
GB64DU32	4.000	4.000	4.187	2.000	O/R
GB64DU48	4.000	4.000	4.187	3.000	O/R
GB64DU56	4.000	4.000	4.187	3.500	O/R
GB64DU60	4.000	4.000	4.187	3.750	O/R
GB64DU76	4.000	4.000	4.187	4.750	O/R
GB64DU80	4.000	4.000	4.187	5.000	O/R
GB64DU72	4.000	4.000	4.187	4.500	O/R
GB68DU16	4.250	4.250	4.437	1.000	O/R
GB68DU32	4.250	4.250	4.437	2.000	O/R
GB68DU40	4.250	4.250	4.437	2.500	O/R
GB68DU48	4.250	4.250	4.437	3.000	O/R
GB68DU56	4.250	4.250	4.437	3.500	O/R
GB68DU64	4.250	4.250	4.437	4.000	O/R
GB68DU80	4.250	4.250	4.437	5.000	O/R
GB70DU16	4.375	4.375	4.562	1.000	O/R
GB70DU32	4.375	4.375	4.562	2.000	O/R
GB70DU36	4.375	4.375	4.562	2.250	O/R
GB70DU40	4.375	4.375	4.562	2.500	O/R
GB70DU48	4.375	4.375	4.562	3.000	O/R

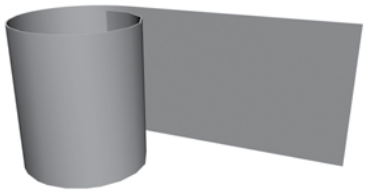
Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB70DU64	4.375	4.375	4.562	4.000	O/R
GB72DU14	4.500	4.500	4.687	0.875	O/R
GB72DU32	4.500	4.500	4.687	0.875	O/R
GB72DU56	4.500	4.500	4.687	3.500	O/R
GB72DU64	4.500	4.500	4.687	4.000	O/R
GB72DU72	4.500	4.500	4.687	4.500	O/R
GB74DU28	4.625	4.625	4.812	1.750	O/R
GB74DU96	4.625	4.625	4.812	6.000	O/R
GB76DU17.9	4.750	4.750	4.937	1.119	O/R
GB76DU30.4	4.750	4.750	4.937	1.900	O/R
GB76DU32	4.750	4.750	4.937	2.000	O/R
GB76DU36	4.750	4.750	4.937	2.250	O/R
GB76DU56	4.750	4.750	4.937	3.500	O/R
GB76DU60	4.750	4.750	4.937	3.750	O/R
GB76DU64	4.750	4.750	4.937	4.000	O/R
GB76DU72	4.750	4.750	4.937	4.500	O/R
GB76DU76	4.750	4.750	4.937	4.750	O/R
GB76DU80	4.750	4.750	4.937	5.000	O/R
GB80DU18	5.000	5.000	5.187	1.125	O/R
GB80DU32	5.000	5.000	5.187	2.000	O/R
GB80DU48	5.000	5.000	5.187	3.000	O/R
GB80DU40	5.000	5.000	5.187	3.500	O/R
GB80DU60	5.000	5.000	5.187	3.750	O/R
GB80DU64	5.000	5.000	5.187	4.000	O/R
GB80DU80	5.000	5.000	5.187	5.000	O/R
GB80DU20	5.000	5.000	5.187	1.250	O/R
GB80DU72	5.000	5.000	5.187	4.500	O/R
GB84DU32	5.250	5.250	5.437	2.000	O/R
GB84DU48	5.250	5.250	5.437	3.000	O/R
GB84DU60	5.250	5.250	5.437	3.750	O/R
GB84DU64	5.250	5.250	5.437	4.000	O/R
GB84DU72	5.250	5.250	5.437	4.500	O/R
GB88DU32	5.500	5.500	5.687	2.000	O/R
GB88DU40	5.500	5.500	5.687	2.500	O/R
GB88DU48	5.500	5.500	5.687	3.000	O/R
GB88DU56	5.500	5.500	5.687	3.500	O/R
GB88DU60	5.500	5.500	5.687	3.750	O/R
GB88DU64	5.500	5.500	5.687	4.000	O/R
GB88DU72	5.500	5.500	5.687	4.500	O/R
GB88DU80	5.500	5.500	5.687	5.000	O/R
GB90DU64	5.625	5.625	5.812	4.000	O/R
GB90DU72	5.625	5.625	5.812	4.500	O/R
GB92DU32	5.750	5.750	5.937	2.000	O/R
GB92DU48	5.750	5.750	5.937	3.000	O/R
GB92DU64	5.750	5.750	5.937	4.000	O/R
GB92DU80	5.750	5.750	5.937	5.000	O/R
GB96DU16	6.000	6.000	6.187	1.000	O/R
GB96DU22	6.000	6.000	6.187	1.375	O/R

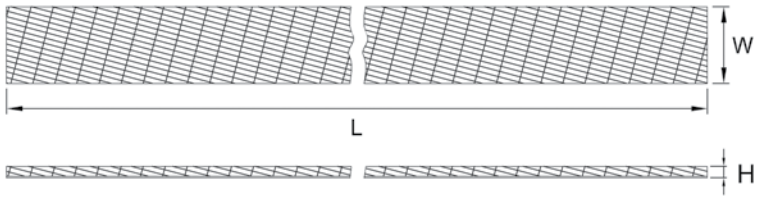
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"DU" BEARINGS SERIES - BR.PTFE/STEEL

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB96DU24	6.000	6.000	6.187	1.500	O/R
GB96DU29	6.000	6.000	6.187	1.812	O/R
GB96DU32	6.000	6.000	6.187	2.000	O/R
GB96DU48	6.000	6.000	6.187	3.000	O/R
GB96DU56	6.000	6.000	6.187	3.500	O/R
GB96DU60	6.000	6.000	6.187	3.750	O/R
GB96DU64	6.000	6.000	6.187	4.000	O/R
GB96DU80	6.000	6.000	6.187	5.000	O/R
GB100DU32	6.250	6.250	6.437	2.000	O/R
GB100DU48	6.250	6.250	6.437	3.000	O/R
GB100DU56	6.250	6.250	6.437	3.500	O/R
GB100DU64	6.250	6.250	6.437	4.000	O/R
GB100DU80	6.250	6.250	6.437	5.000	O/R
GB104DU27	6.500	6.500	6.687	1.687	O/R
GB104DU52	6.500	6.500	6.687	3.250	O/R
GB104DU64	6.500	6.500	6.687	4.000	O/R
GB104DU72	6.500	6.500	6.687	4.500	O/R
GB108DU32	6.750	6.750	6.937	2.000	O/R
GB112DU20	7.000	7.000	7.187	1.250	O/R
GB112DU48	7.000	7.000	7.187	3.000	O/R
GB112DU72	7.000	7.000	7.187	4.500	O/R
GB116DU26	7.250	7.250	7.437	1.625	O/R
GB128DU29	8.000	8.000	8.187	1.812	O/R
GB144DU32	9.000	9.000	9.187	2.000	O/R
GB144DU38	9.000	9.000	9.187	2.375	O/R
GB168DU48	10.500	10.500	10.656	3.000	O/R

"DU" FLAT STRIP
BR.PTFE/STEEL



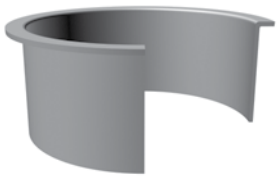


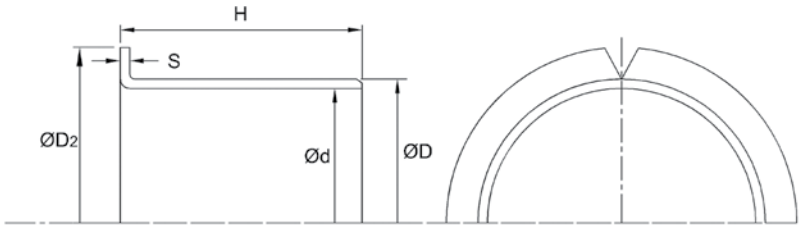
Temperature: -328/536F [-200/280C] **Pressure: 44000 PSI [3035 Bar]**

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		W	L	H	
GB1DUX96		4.750	96.000	0.0895 - 0.0905	O/R
GB4DUX96		5.000	96.000	0.0895 - 0.0905	O/R
GB5DUX96		5.500	96.000	0.0895 - 0.0905	O/R

"DU" FLANGED BEARING

BR. PTFE/STEEL





Temperature: -328/536F [-200/280C] **Pressure: 44 000 PSI [3035 Bar]**

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB06FDU04	0.375	0.375	0.468	0.687	0.250	O/R
GB06FDU06	0.375	0.375	0.468	0.687	0.375	O/R
GB06FDU08	0.375	0.375	0.468	0.687	0.500	O/R
GB06FDU12	0.375	0.375	0.468	0.687	0.750	O/R
GB08FDU04	0.500	0.500	0.593	0.812	0.250	O/R
GB08FDU06	0.500	0.500	0.593	0.812	0.375	O/R
GB08FDU08	0.500	0.500	0.593	0.812	0.500	O/R
GB08FDU12	0.500	0.500	0.593	0.812	0.750	O/R
GB10FDU06	0.625	0.625	0.718	0.937	0.375	O/R
GB10FDU08	0.625	0.625	0.718	0.937	0.500	O/R
GB10FDU10	0.625	0.625	0.718	0.937	0.625	O/R
GB10FDU12	0.625	0.625	0.718	0.937	0.750	O/R
GB12FDU06	0.750	0.750	0.875	1.125	0.375	O/R
GB12FDU08	0.750	0.750	0.875	1.125	0.500	O/R
GB12FDU12	0.750	0.750	0.875	1.125	0.750	O/R
GB12FDU16	0.750	0.750	0.875	1.125	1.000	O/R
GB14FDU08	0.875	0.875	1.000	1.250	0.500	O/R
GB14FDU12	0.875	0.875	1.000	1.250	0.750	O/R

Ref.Number	Nominal Rod Dia.	Nominal Bearing Dimensions			$
		d	D	H	
GB14FDU16	0.875	0.875	1.000	1.250	1.000	O/R
GB14FDU20	0.875	0.875	1.000	1.250	1.250	O/R
GB16FDU08	1.000	1.000	1.125	1.375	0.500	O/R
GB16FDU12	1.000	1.000	1.125	1.375	0.750	O/R
GB16FDU16	1.000	1.000	1.125	1.375	1.000	O/R
GB16FDU20	1.000	1.000	1.125	1.375	1.250	O/R
GB20FDU16	1.250	1.250	1.406	1.750	1.000	O/R
GB20FDU20	1.250	1.250	1.406	1.750	1.250	O/R
GB20FDU24	1.250	1.250	1.406	1.750	1.500	O/R
GB24FDU16	1.500	1.500	1.656	2.000	1.000	O/R
GB24FDU24	1.500	1.500	1.656	2.000	1.500	O/R
GB24FDU32	1.500	1.500	1.656	2.000	2.000	O/R
GB28FDU16	1.750	1.750	1.937	2.375	1.000	O/R
GB28FDU24	1.750	1.750	1.937	2.375	1.500	O/R
GB28FDU32	1.750	1.750	1.937	2.375	2.000	O/R

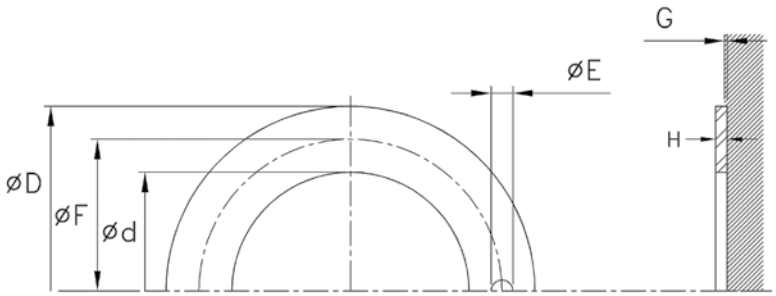


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"DU" THRUST WASHER BRG

BR. PTFE/STEEL





Temperature: -328/536F [-200/280C] **Pressure: 44 000 PSI [3035 Bar]**

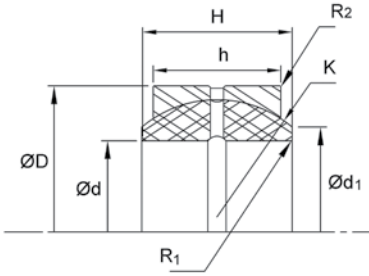
Ref.Number	Nominal Rod diameter	Nominal Bearing Dimensions						$
		+.010/-.000	+.000/-.010	+.002/-.000	+.010/-.000	+.000/-.010	+.010/-.000	
	Tol.	d	D	H	E	F	G	
GB06DU	0.500	0.500	0.875	0.059	0.067	0.692	0.040	O/R
GB07DU	0.562	0.562	1.000	0.059	0.067	0.786	0.040	O/R
GB08DU	0.625	0.625	1.125	0.059	0.099	0.880	0.040	O/R
GB09DU	0.687	0.687	1.187	0.059	0.099	0.942	0.040	O/R
GB10DU	0.750	0.750	1.250	0.059	0.099	1.005	0.040	O/R
GB11DU	0.812	0.812	1.375	0.059	0.099	1.099	0.040	O/R
GB12DU	0.875	0.875	1.500	0.059	0.130	1.192	0.040	O/R
GB13DU	0.937	0.937	1.625	0.059	0.130	1.286	0.040	O/R
GB14DU	1.000	1.000	1.750	0.059	0.130	1.380	0.040	O/R
GB16DU	1.125	1.125	2.000	0.059	0.161	1.567	0.040	O/R
GB18DU	1.250	1.250	2.125	0.059	0.161	1.692	0.040	O/R
GB20DU	1.375	1.375	2.250	0.059	0.161	1.817	0.040	O/R
GB22DU	1.500	1.500	2.500	0.059	0.192	2.005	0.040	O/R
GB24DU	1.625	1.625	2.625	0.059	0.192	2.130	0.040	O/R
GB26DU	1.750	1.750	2.750	0.059	0.192	2.255	0.040	O/R
GB28DU	2.000	2.000	3.000	0.090	0.192	2.505	0.070	O/R
GB30DU	2.125	2.125	3.125	0.090	0.192	2.630	0.070	O/R
GB32DU	2.250	2.250	3.250	0.090	0.192	2.755	0.070	O/R



SBB/Z - Spherical Ball Bushing

STEEL (WITHOUT SEALS)







Temperature:

Pressure:

Ref.Number	Nominal Rod diameter	Nominal Bearing Dimensions								$
	Tol.	d	d1	D	h	H	K	R1	R2	
SBB08/Z	0.500	0.500	0.551	0.875	0.375	0.437	0.709	0.008	0.024	15.15
SBB10/Z	0.625	0.625	0.705	1.062	0.469	0.547	0.906	0.008	0.031	15.50
SBB12/Z	0.750	0.750	0.843	1.250	0.562	0.656	1.083	0.024	0.031	16.30
SBB14/Z	0.875	0.875	0.984	1.437	0.656	0.765	1.260	0.024	0.031	17.75
SBB16/Z	1.000	1.000	1.102	1.625	0.750	0.875	1.417	0.024	0.031	21.05
SBB20/Z	1.250	1.250	1.382	2.000	0.937	1.093	1.772	0.024	0.031	28.80
SBB22/Z	1.375	1.375	1.516	2.187	1.031	1.187	1.929	0.024	0.031	35.10
SBB24/Z	1.500	1.500	1.705	2.437	1.125	1.312	2.165	0.024	0.031	42.50
SBB28/Z	1.750	1.750	1.984	2.812	1.312	1.531	2.520	0.024	0.031	59.85
SBB32/Z	2.000	2.000	2.268	3.187	1.500	1.750	2.874	0.024	0.031	77.40
SBB36/Z	2.250	2.250	2.555	3.562	1.687	1.969	3.228	0.024	0.031	105.40
SBB40/Z	2.500	2.500	2.835	3.937	1.875	2.187	3.583	0.024	0.031	129.25
SBB44/Z	2.750	2.750	3.110	4.375	2.062	2.406	3.937	0.024	0.031	160.45
SBB48/Z	3.000	3.000	3.406	4.750	2.250	2.625	4.331	0.024	0.031	215.80
SBB52/Z	3.250	3.250	3.705	5.125	2.437	2.844	4.685	0.024	0.031	280.20
SBB56/Z	3.500	3.500	4.000	5.500	2.625	3.062	5.039	0.024	0.031	390.10
SBB60/Z	3.750	3.750	4.268	5.875	2.812	3.281	5.394	0.024	0.031	489.95
SBB64/Z	4.000	4.000	4.559	6.250	3.000	3.500	5.748	0.024	0.031	606.00
SBB72/Z	4.500	4.500	5.110	7.000	3.375	3.937	6.457	0.031	0.043	838.05
SBB80/Z	5.000	5.000	5.705	7.750	3.750	4.375	7.205	0.031	0.043	1237.70
SBB96/Z	6.000	6.000	6.594	8.750	4.125	4.750	8.150	0.031	0.043	1688.95

FOR SEALED BEARINGS, ADD SUFFIX AS: -2RS

SPHERICAL BALL BEARINGS X-REF

Ref.Number	Pin diameter	SKF	Torrington	RBC	INA-Elges	Int. Ret. Ring Housing SIze
SBB8	0.500	GEZ 008 ES	5SF8	B8-L	GE 12 ZO	N1300-0087
SBB10	0.625	GEZ 010 ES	6SF10	B10-L	GE 15 ZO	N1300-0162
SBB12	0.750	GEZ 012 ES	7SF12	B12-L	GE 19 ZO	N1300-0125
SBB14	0.875	GEZ 014 ES	8SF14	B14-L	GE 22 ZO	N1300-0143
SBB16	1.000	GEZ 100 ES	10SF16	B16-L	GE 25 ZO	N1300-0162
SBB20	1.250	GEZ 104 ES	12SF20	B20-L	GE 31 ZO	N1300-0200
SBB22	1.375	GEZ 106 ES	13SF22	B22-L	GE 34 ZO	N1300-0218
SBB24	1.500	GEZ 108 ES	15SF24	B24-L	GE 38 ZO	N1300-0244

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FOR SEALED BEARINGS, ADD SUFFIX AS: -2RS

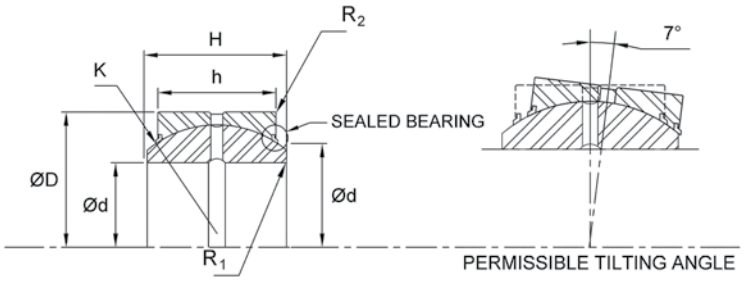
SPHERICAL BALL BEARINGS X-REF

Ref.Number	Pin diameter	SKF	Torrington	RBC	INA-Elges	Int. Ret. Ring Housing SIze
SBB28	1.750	GEZ 112 ES	17SF28	B28-L	GE 44 ZO	N1300-0281
SBB32	2.000	GEZ 200 ES	20SF32	B32-L	GE 50 ZO	N1300-0315
SBB36	2.250	GEZ 204 ES	22SF36	B36-L	GE 57 ZO	N1300-0356

SBB-2RS/Z - Spherical Ball Bushing

STEEL (WITH SEALS)





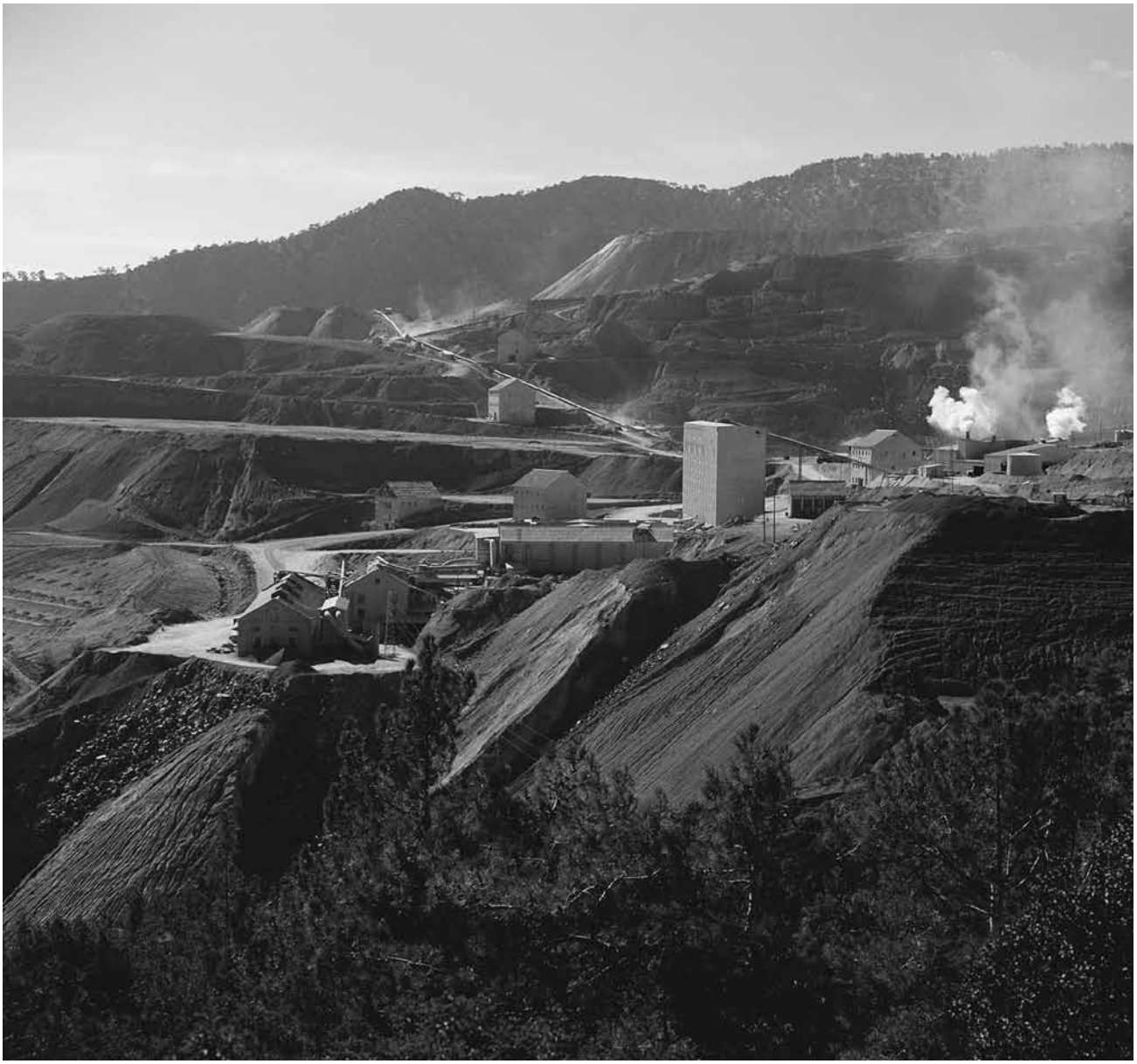
Temperature: **Pressure:**

Ref.Number	Nominal Rod diameter	Nominal Bearing Dimensions								$
	Tol.	d	d1	D	h	H	K	R1	R2	
SBB08-2RS/Z	0.500	0.500	0.551	0.875	0.375	0.437	0.709	0.008	0.024	18.90
SBB10-2RS/Z	0.625	0.625	0.705	1.062	0.469	0.547	0.906	0.008	0.031	19.40
SBB12-2RS/Z	0.750	0.750	0.843	1.250	0.562	0.656	1.083	0.024	0.031	20.40
SBB14-2RS/Z	0.875	0.875	0.984	1.437	0.656	0.765	1.260	0.024	0.031	22.20
SBB16-2RS/Z	1.000	1.000	1.102	1.625	0.750	0.875	1.417	0.024	0.031	25.10
SBB20-2RS/Z	1.250	1.250	1.382	2.000	0.937	1.093	1.772	0.024	0.031	33.70
SBB22-2RS/Z	1.375	1.375	1.516	2.187	1.031	1.187	1.929	0.024	0.031	40.90
SBB24-2RS/Z	1.500	1.500	1.705	2.437	1.125	1.312	2.165	0.024	0.031	49.70
SBB28-2RS/Z	1.750	1.750	1.984	2.812	1.312	1.531	2.520	0.024	0.031	70.05
SBB32-2RS/Z	2.000	2.000	2.268	3.187	1.500	1.750	2.874	0.024	0.031	88.35
SBB36-2RS/Z	2.250	2.250	2.555	3.562	1.687	1.969	3.228	0.024	0.031	121.25
SBB40-2RS/Z	2.500	2.500	2.835	3.937	1.875	2.187	3.583	0.024	0.031	151.50
SBB44-2RS/Z	2.750	2.750	3.110	4.375	2.062	2.406	3.937	0.024	0.031	195.90
SBB48-2RS/Z	3.000	3.000	3.406	4.750	2.250	2.625	4.331	0.024	0.031	248.20
SBB52-2RS/Z	3.250	3.250	3.705	5.125	2.437	2.844	4.685	0.024	0.031	322.35
SBB56-2RS/Z	3.500	3.500	4.000	5.500	2.625	3.062	5.039	0.024	0.031	435.80
SBB60-2RS/Z	3.750	3.750	4.268	5.875	2.812	3.281	5.394	0.024	0.031	548.00
SBB64-2RS/Z	4.000	4.000	4.559	6.250	3.000	3.500	5.748	0.024	0.031	670.45
SBB72-2RS/Z	4.500	4.500	5.386	7.000	3.562	4.156	6.811	0.031	0.043	941.20
SBB76-2RS/Z	4.750	4.750	5.386	7.375	3.562	4.156	6.811	0.031	0.043	O/R
SBB80-2RS/Z	5.000	5.000	5.705	7.750	3.750	4.375	7.205	0.031	0.043	1392.40
SBB96-2RS/Z	6.000	6.000	6.594	8.750	4.125	4.750	8.150	0.031	0.043	1869.45

FOR SEALED BEARINGS, ADD SUFFIX AS: -2RS

SPHERICAL BALL BEARINGS X-REF

Ref.Number	Pin diameter	SKF	Torrington	RBC	INA-Elges	Int. Ret. Ring Housing SIze
SBB40	2.500	GEZ 208 ES	25SF40	B40-L	GE 63 ZO	N1300-0393
SBB44	2.750	GEZ 212 ES	27SF44	B44-L	GE 69 ZO	N1300-0433
SBB48	3.000	GEZ 300 ES	30SF48	B48-L	GE 76 ZO	N1300-0475
SBB52	3.250	GEZ 304 ES	32SF52	B52-L	GE 82 ZO	N1300-0512
SBB56	3.500	GEZ 308 ES	35SF56	B56-L	GE 88 ZO	N1300-0550
SBB60	3.750	GEZ 312 ES	37SBB60	B60-L	GE 95 ZO	N1300-0587
SBB64	4.000	GEZ 400 ES	40SBB64	B64-L	GE101 ZO	N1300-0625
SBB72	4.500	GEZ 408 ES	45SBB72	B72-L	GE114 ZO	N1300-0700
SBB80	5.000	GEZ 500 ES	50SBB80	B80-L	GE127 ZO	N1300-0775
SBB96	6.000	GEZ 600 ES	60SBB96	B96-L	GE152 ZO	N1300-0875



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INFO	MATERIAL SELECTION	G	2
INFO	STATIC O'RING SEALING	G	10
INFO	DYNAMIC O'RING SEALING	G	12
	2-XXX	G	14
INFO	STATIC O'RING SEALING	G	32
	3-XXX	G	33
	PARKER ACCESSORIES	G	34
	O'RING KITS & ACC.	G	36
	CAT O'RING KITS	G	38
	CAT HOSE COUPLING SEALS	G	39
	O'RING CORD	G	40
	VULC. O'RINGS (NBR)	G	41
	VULC. O'RINGS (FPM)	G	42
	VULC. O'RINGS (SI)	G	42
	VULC. O'RINGS (EPDM)	G	43
INFO	BACK-UP RINGS	G	44
	8-XXX	G	48
	8700	G	53
INFO	BONDED SEAL APPLICATIONS	G	55
INFO	BONDED SEALS REF. CHART	G	56
	BS400	G	58
	BS400SC	G	58
	600	G	59
	7500	G	60



2.0 Elastomers

The basic core polymer of an elastomeric compound is called a rubber, produced either as natural gum rubber in the wild, on commercial rubber plantations or manufactured synthetically by the chemical industry. Today, more than 32 *synthetic* rubbers are known, the most important ones being listed in Table 2-1 (on the following page).

Modern elastomeric sealing compounds generally contain 50 to 60% base polymer and are often described simply as "rubber." The balance of an elastomer compound consists of various fillers, vulcanizing agents, accelerators, aging retardants and other chemical additives which modify and improve the basic physical properties of the base polymer to meet the particular requirements of a specific application.

Elastomers used in producing seals, and particularly, those used in O-rings, will usually provide reliable, leak-free function if fundamental design requirements are observed.

"Cross-linking" between the polymer chains is formed during the vulcanization process, see Figure 2-1. Cross-linking of the molecules changes the rubber from a plastic-like material to an elastic material.

After vulcanization, including any required "post-cure," an elastomer compound attains the physical properties required for a good sealing material. As with all chemical reactions, temperature is responsible for the speed of reaction. Only when the ideal process temperature is constant during the entire vulcanization time, will the optimum degree of curing be reached. For this reason, the conditions of vulcanization are closely controlled and recorded as part of the Parker quality assurance process.

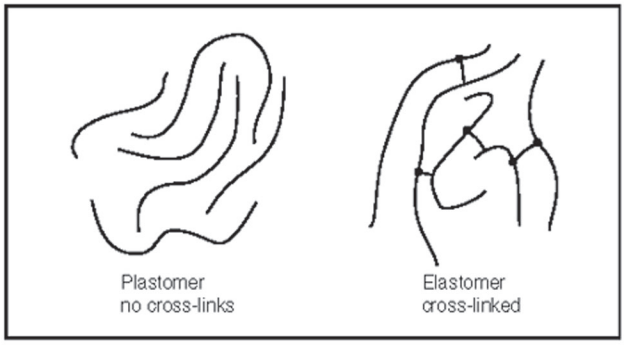


Figure 2-1: Schematic Representation of Polymer Chains Before and After Vulcanization

2.1 Introduction to Elastomers

Before reviewing the available elastomers and their general properties, it is necessary to fully understand the terms "polymer," "rubber," "elastomer" and "compound" as they are used in this handbook.

Chemical Name	Abbreviation DIN/ISO 1629	Abbreviation ASTM D1418
M-Group (saturated carbon molecules in main macro-molecule chain):		
Polyacrylate Rubber	ACM	ACM
Ethylene Acrylate	—	AEM
Chlorosulfonated Polyethylene Rubber	CSM	CSM
Ethylene Propylene Diene Rubber	EPDM	EPDM
Ethylene Propylene Rubber	EPDM	EPM
Fluorocarbon Rubber	FPM	FKM
Tetrafluorethylene Propylene Copolymer	FEPM	FEPM
Perfluorinated Elastomer	—	FFKM
O-Group (with oxygen molecules in the main macro-molecule chain):		
Epichlorohydrin Rubber	CO	CO
Epichlorohydrin Copolymer Rubber	ECO	ECO
R-Group (unsaturated hydrogen carbon chain):		
Butadiene Rubber	BR	BR
Chloroprene Rubber	CR	CR
Isobutene Isoprene Rubber (Butyl Rubber)	IIR	IIR
Chlorobutyl Rubber	CIIR	CIIR
Isoprene Rubber	IR	IR
Nitrile Butadiene Rubber	NBR	NBR
Styrene Butadiene Rubber	SBR	SBR
Hydrogenated Nitrile	—	HNBR
Carboxylated Nitrile	XNBR	XNBR
Q-Group (with Silicone in the main chain):		
Fluorosilicone Rubber	FMQ	FVMQ
Methyl Phenyl Silicone Rubber	PMQ	PMQ
Methyl Phenyl Vinyl Silicone Rubber	PMVQ	PVMQ
Methyl Silicone Rubber	MQ	MQ
Methyl Vinyl Silicone Rubber	VMQ	VMQ
U-Group (with carbon, oxygen and nitrogen in the main chain):		
Polyester Urethane	AU	AU
Polyether Urethane	EU	EU

Table 2-1: The Most Important Types of Synthetic Rubber, Their Groupings and Abbreviations

2.1.1 Polymer

A polymer is the "result of a chemical linking of molecules into a long chain-like structure." Both plastics and elastomers are classified as polymers. In this handbook, polymer generally refers to a basic class of elastomer, members of which have similar chemical and physical properties. O-rings are made from many polymers, but a few polymers account for the majority of O-rings produced, namely Nitrile, EPDM and Neoprene.

2.1.2 Rubber

Rubber-like materials first produced from sources *other* than rubber trees were referred to as "synthetic rubber." This distinguished them from natural gum rubber. Since then, usage in the industry has broadened the meaning of the term "rubber" to include both natural as well as synthetic materials having rubber-like qualities. This handbook uses the broader meaning of the word "rubber."

2.1.3 Elastomer

Though "elastomer" is synonymous with "rubber," it is formally defined as a "high molecular weight polymer that can be, or has been modified, to a state exhibiting little plastic flow and rapid, and nearly complete recovery from an extending or compressing force." In most instances we call such material before modification "uncured" or "unprocessed" rubber or polymer.

When the basic high molecular weight polymer, without the addition of plasticizers or other dilutents, is converted by appropriate means to an essentially non-plastic state and tested at room temperature, it usually meets the following requirements in order to be called an elastomer:

A. It must not break when stretched approximately 100%.

B. After being held for five minutes at 100% stretch, it must retract to within 10% of its original length within five minutes of release.

Note: Extremely high hardness/modulus materials generally do not exhibit these properties even though they are still considered elastomers.

The American Society for Testing and Materials (ASTM) uses these criteria to define the term "elastomer."

2.1.4 Compound

A compound is a mixture of base polymer and other chemicals that form a finished rubber material. More precisely, a compound refers to a specific blend of chemical ingredients tailored for particular required characteristics to optimize performance in some specific service.

The basis of compound development is the selection of the polymer type. There may be a dozen or more different ones to choose from. The rubber compounder may then add various reinforcing agents such as carbon black, curing or vulcanizing agents such as sulfur or peroxide, activators, plasticizers, accelerators, antioxidants, or antiozonants to the elastomer mixture to tailor it into a seal compound with its own distinct physical properties. Since compounders have thousands of compounding ingredients at their disposal, it seems reasonable to visualize two, three, or even one hundred-plus compounds having the same base elastomer, yet exhibiting marked performance differences in the O-ring seal.

The terms "compound" and "elastomer" are often used interchangeably in a more general sense. This usage usually references a particular type or class of materials such as "nitrile compounds" or "butyl elastomers." Please remember that when one specific compound is under discussion in this handbook, it is a blend of various compounding ingredients (including one or more base elastomers) with its own individual characteristics and identification in the form of a unique compound number, For example, N0674-70 or V1164-75.

2.2 Basic Elastomers for O-Ring Seals

The following paragraphs briefly review the various elastomers currently available for use in O-rings and other elastomeric seals. If any of the rubber terms used in the descriptions are confusing, consult the "Glossary of Seal and Rubber Terms" in the Appendix, Section X. Service recommendations mentioned in this section are necessarily abbreviated. For more comprehensive and specific information on this important subject, see the Fluid Compatibility Tables in Section VII.

2.2.1 Acrylonitrile-Butadiene (NBR)

Nitrile rubber (NBR) is the general term for acrylonitrile butadiene terpolymer. The acrylonitrile content of nitrile sealing compounds varies considerably (18% to 50%) and influences the physical properties of the finished material.

The higher the acrylonitrile content, the better the resistance to oil and fuel. At the same time, elasticity and resistance to compression set is adversely affected. In view of these opposing realities, a compromise is often drawn, and a medium acrylonitrile content selected. NBR has good mechanical properties when compared with other elastomers and high wear resistance. NBR is not resistant to weathering and ozone. See Figure 2-2. In view of these opposing realities, a compromise is again drawn and a medium acrylonitrile content selected.

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Heat resistance

- Up to 100°C (212°F) with shorter life @ 121°C (250°F).

Cold flexibility

- Depending on individual compound, between -34°C and -57°C (-30°F and -70°F).

Chemical resistance

- Aliphatic hydrocarbons (propane, butane, petroleum oil, mineral oil and grease, diesel fuel, fuel oils) vegetable and mineral oils and greases.
- HFA, HFB and HFC fluids.
- Dilute acids, alkali and salt solutions at low temperatures.
- Water (special compounds up to 100°C) (212°F).

Not compatible with:

- Fuels of high aromatic content (for flex fuels a special compound must be used).
- Aromatic hydrocarbons (benzene).
- Chlorinated hydrocarbons (trichlorethylene).
- Polar solvents (ketone, acetone, acetic acid, ethylene-ester).
- Strong acids.
- Brake fluid with glycol base.
- Ozone, weather and atmospheric aging.

2.2.2 Carboxylated Nitrile (XNBR)

Carboxylated Nitrile (XNBR) is a special type of nitrile polymer that exhibits enhanced tear and abrasion resistance. For this reason, XNBR based materials are often specified for dynamic applications such as rod seals and rod wipers.

Heat resistance

- Up to 100°C (212°F) with shorter life @ 121°C (250°F).

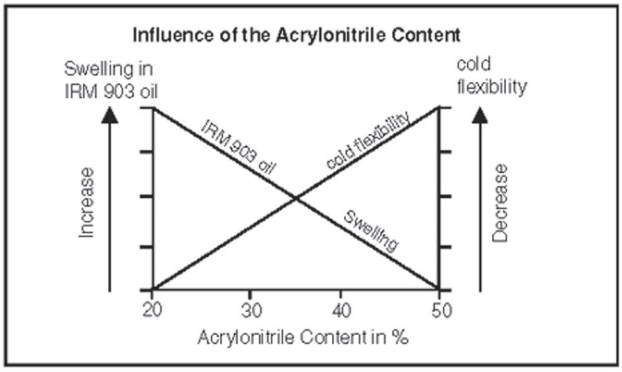


Figure 2-2: Influence of the Acrylonitrile Content

Cold flexibility

- Depending on individual compound, between -18°C and -48°C (0°F and -55°F).

Chemical resistance

- Aliphatic hydrocarbons (propane, butane, petroleum oil, mineral oil and grease, Diesel fuel, fuel oils) vegetable and mineral oils and greases.
- HFA, HFB and HFC fluids.
- Many diluted acids, alkali and salt solutions at low temperatures.
- Water (special compounds up to 100°C) (212°F).

Not compatible with:

- Fuels of high aromatic content (for flex fuels a special compound must be used).
- Aromatic hydrocarbons (benzene).
- Chlorinated hydrocarbons (trichlorethylene).
- Polar solvents (ketone, acetone, acetic acid, ethylene-ester).
- Strong acids.
- Brake fluid with glycol base.

2.2.3 Ethylene Acrylate (AEM)

Ethylene acrylate is a mixed polymer of ethylene and methyl acrylate with the addition of a small amount of carboxylated curing monomer. Ethylene acrylate rubber is not to be confused with ethyl acrylate rubber (ACM).

Heat resistance

- Up to 149°C (300°F) with shorter life up to 163°C (325°F).

Cold flexibility

- Between -29°C and -40°C (-20°F and -40°F).

Chemical resistance

- Ozone.
- Oxidizing media.
- Moderate resistance to mineral oils.

Not compatible with:

- Ketones.
- Fuels.
- Brake fluids.

2.2.4 Ethylene Propylene Rubber (EPM, EPDM)

EPM is a copolymer of ethylene and propylene. Ethylene-propylene-diene rubber (EPDM) is produced using a third monomer and is particularly useful when sealing phosphate-ester hydraulic fluids and in brake systems that use fluids having a glycol base.

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Heat resistance

- Up to 150°C (302°F) (max. 204°C (400°F)) in water and/ or steam).

Cold flexibility

- Down to approximately -57°C (-70°F).

Chemical resistance

- Hot water and steam up to 149°C (300°F) with special compounds up to 204°C (400°F).
- Glycol based brake fluids up to 149°C (300°F).
- Many organic and inorganic acids.
- Cleaning agents, soda and potassium alkalis.
- Phosphate-ester based hydraulic fluids (HFD-R).
- Silicone oil and grease.
- Many polar solvents (alcohols, ketones, esters).
- Ozone, aging and weather resistant.

Not compatible with:

- Mineral oil products (oils, greases and fuels).

2.2.5 Butyl Rubber (IIR)

Butyl (isobutylene, isoprene rubber, IIR) is produced by many companies in different types and varies widely in isoprene content. Isoprene is necessary for proper vulcanization. Butyl has a very low permeability rate and good electrical properties.

Heat resistance

- Up to approximately 121°C (250°F).

Cold flexibility

- Down to approximately -59°C (-75°F).

Chemical resistance

- Hot water and steam up to 121°C (250°F).
- Brake fluids with glycol base.
- Many acids (see Fluid Compatibility Tables in Section VII).
- Salt solutions.
- Polar solvents, e.g. alcohols, ketones and esters.
- Poly-glycol based hydraulic fluids (HFC fluids) and phosphate-ester bases (HFD-R fluids).
- Silicone oil and grease.
- Ozone, aging and weather resistant.

Not compatible with:

- Mineral oil and grease.
- Fuels.
- Chlorinated hydrocarbons.

2.2.6 Butadiene Rubber (BR)

Polybutadiene (BR) is mostly used in combination with other rubbers to improve cold flexibility and wear resistance. BR is primarily used in the tire industry, for some drive belts and conveyor belts and is not suitable as a sealing compound.

2.2.7 Chlorobutyl Rubber (CIIR)

Chlorobutyl (CIIR) is produced by chlorinating butyl polymer. Its chlorine content is approximately 1.1% to 1.3%. Apart from the properties of butyl rubber (IIR), chlorobutyl (CIIR) shows improved compression set properties and can be compounded with other materials.

2.2.8 Chloroprene Rubber (CR)

Chloroprene was the first synthetic rubber developed commercially and exhibits generally good ozone, aging and chemical resistance. It has good mechanical properties over a wide temperature range.

Heat resistance

- Up to approximately 121°C (250°F).

Cold flexibility

- Down to approximately -40°C (-40°F).

Chemical resistance

- Paraffin base mineral oil with low DPI, e.g. ASTM oil No. 1.
- Silicone oil and grease.
- Water and water solvents at low temperatures.
- Refrigerants
- Ammonia
- Carbon dioxide
- Improved ozone, weathering and aging resistance compared with NBR.

Limited compatibility

- Naphthalene based mineral oil (IRM 902 and IRM 903 oils).
- Low molecular aliphatic hydrocarbons (propane, butane, fuel).
- Glycol based brake fluids.

Not compatible with:

- Aromatic hydrocarbons (benzene).
- Chlorinated hydrocarbons (trichloroethylene).
- Polar solvents (ketones, esters, ethers, acetones).

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2.2.9 Chlorosulfonated Polyethylene (CSM)

The polyethylene polymer contains additional chlorine and sulfur groups. Chlorine gives the material resistance to flame and mineral oil and also improves the cold flexibility.

Heat resistance

- Up to 121°C (250°F).

Cold flexibility

- Down to approximately -29°C (-20°F).

Chemical resistance

- Many acids.
- Many oxidizing media.
- Silicone oil and grease.
- Water and water solvents.
- Ozone, aging and weathering resistance.

Limited compatibility

- Low molecular aliphatic hydrocarbons (propane, butane, fuel).
- Mineral oil and grease.
- Limited swelling in aliphatic oils (ASTM oil No. 1).
- High swelling in naphthene and aromatic base oils (IRM 902 and IRM 903 oils).
- Polar solvents (acetone, methyl ether, ketone, ethyl acetate, diethyl ether, dioxane).
- Phosphate-ester based fluids.

Not compatible with:

- Aromatic hydrocarbons (benzene).
- Chlorinated hydrocarbons (trichloroethylene).

2.2.10 Epichlorohydrin (CO, ECO)

Epichlorohydrin is available in two types: the homopolymer (CO) and the copolymer (ECO). Both CO and ECO have good resistance to mineral oils, fuels and ozone. The high temperature resistance is good. Compression set and the tendency to corrode metal sealing faces increase at 150°C (302°F). ECO has a good cold flexibility. CO has a high resistance to gas permeability.

Heat resistance

- Up to approximately 135°C (275°F).

Cold flexibility

- Down to approximately -40°C (-40°F).

Chemical resistance

- Mineral oil and grease.
- Aliphatic hydrocarbons (propane, butane, fuel).
- Silicone oil and grease.
- Water at room temperature.
- Ozone, aging and weather resistant.

Not compatible with:

- Aromatic and chlorinated hydrocarbons.
- Ketones and esters.
- Non-flammable hydraulic fluids in the groups HFD-R and HFD-S.
- Glycol based brake fluids.

2.2.11 Fluorocarbon (FKM)

Fluorocarbon (FKM) has excellent resistance to high temperatures, ozone, oxygen, mineral oil, synthetic hydraulic fluids, fuels, aromatics and many organic solvents and chemicals. Low temperature resistance is normally not favorable and for static applications is limited to approximately -26°C (-15°F) although in certain situations it is suitable down to -40°C (-40°F). Under dynamic conditions, the lowest service temperature is between -15°C and -18°C (5°F and 0°F).

- Gas permeability is very low and similar to that of butyl rubber. Special FKM compounds exhibit an improved resistance to acids, fuels, water and steam.

Heat resistance

- Up to 204°C (400°F) and higher temperatures with shorter life expectancy.

Cold flexibility

- Down to -26°C (-15°F) (some to -40°C) (-40°F).

Chemical resistance

- Mineral oil and grease, low swelling in ASTM oil No. 1, and IRM 902 and IRM 903 oils.
- Non-flammable hydraulic fuels in the group HFD.
- Silicone oil and grease.
- Mineral and vegetable oil and grease.
- Aliphatic hydrocarbons (fuel, butane, propane, natural gas).
- Aromatic hydrocarbons (benzene, toluene).
- Chlorinated hydrocarbons (trichlorethylene and carbon tetrachloride).
- Fuels, also fuels with methanol content.
- High vacuum.
- Very good ozone, weather and aging resistance.

Not compatible with:

- Glycol based brake fluids.
- Ammonia gas, amines, alkalis.
- Superheated steam.
- Low molecular organic acids (formic and acetic acids).

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2.2.12 Fluorosilicone (FVMQ)

FVMQ contains trifluoropropyl groups next to the methyl groups. The mechanical and physical properties are very similar to VMQ. However, FVMQ offers improved fuel and mineral oil resistance but poor hot air resistance when compared with VMQ.

Heat resistance

- Up to 177°C (350°F) max.

Cold flexibility

- Down to approximately -73°C (-100°F).

Chemical resistance

- Aromatic mineral oils (IRM 903 oil).
- Fuels.
- Low molecular weight aromatic hydrocarbons (benzene, toluene).

2.2.13 Hydrogenated Nitrile (HNBR)

Hydrogenated nitrile is a synthetic polymer that results from the hydrogenation of nitrile rubber (NBR). In this process the molecular "double bonds" in the NBR primary polymer chain undergo a hydrogenation process and therefore the term "hydrogenated nitrile" (HNBR). The allowable temperature range extends to 149°C (300°F) with short periods at higher temperature possible. By following design guidelines effective sealing can be achieved at -32°C (-25°F) for static applications. For dynamic applications however, operating temperatures are limited to above -23°C (-10°F). HNBR compounds possess superior mechanical characteristics, particularly their high strength. For sealing applications up to approximately 159°C (300°F), this is an advantage as it prevents extrusion and wear.

Chemical resistance

- Aliphatic hydrocarbons.
- Vegetable and animal fats and oils.
- HFA, HFB and HFC fluids.
- Dilute acids, bases and salt solutions at moderate temperatures.
- Water and steam up to 149°C (300°F).
- Ozone, aging and weathering.

Not compatible with:

- Chlorinated hydrocarbons.
- Polar solvents (ketone and ester).
- Strong acids.

2.2.14 Perfluoroelastomer (FFKM)

The name "perfluoroelastomer" is somewhat misleading. An actual perfluorinated material with a high molecular weight is polytetrafluoroethylene or PTFE which has the chemical formula "$(CF_2)_n$." The molecular carbon chain is shielded by the chemical inertness of the large bonded fluorine atoms. Perfluoroelastomer is produced by the copolymerization of tetrafluoroethylene (TFE) and a perfluorinated ether, e.g. perfluoromethylvinylether (PMVE).

The differing resistance to volume swell of the different perfluoroelastomers is due to the perfluorinated ether element, where the side-chain can consist of up to four perfluorinated carbon atoms. The extraordinary chemical resistance is partly due to the fluorine atoms shielding the carbon chain, and partially due to the vulcanization system. Parker Seal, in cooperation with a leading polymer manufacturer, has developed several such perfluorinated elastomer materials.

Parker Parofluor™ materials are being developed and manufactured in-house at Parker. In contrast to other perfluoroelastomer suppliers, where a polymer manufacturer will either produce and deliver the ready mixed compound or even supply the final vulcanized part, Parker will compound with the raw polymer and then manufacture the desired component. This allows the specific material properties to be jointly developed with the customer.

Heat resistance

- 232°C to 300°C (450°F to 590°F) depending on compound.

Cold flexibility

- -18°C to -26°C (0°F to -15°F).

Chemical resistance

- Aliphatic and aromatic hydrocarbons.
- Chlorinated hydrocarbons.
- Polar solvents (acetone, methylethylketone, ethylacetate, diethylether and dioxane).
- Inorganic and organic acids.
- Water and steam.
- High vacuum with minimal loss in weight.

Not compatible with:

- Fluorinated refrigerants (R11, 12, 13, 113, 114, etc.)

2.2.15 Polyacrylate (ACM)

ACM or simply acrylate rubber consists of a polymerized ester and a curing monomer. Ethyl acrylate rubber has a good resistance to heat and mineral oil; on the other hand butyl acrylate has a better cold flexibility. Polyacrylate has a good resistance to mineral oil, oxygen and ozone even at high temperatures. The water compatibility and cold flexibility of ACM are significantly worse than with NBR.

Heat resistance

- Shortened lifetime up to approximately 177°C (350°F).

Cold flexibility

- Down to approximately -21°C (-5°F).

Chemical resistance

- Mineral oil (engine, gear box, ATF oil).
- Ozone, weather and aging resistance.

Not compatible with:

- Glycol based brake fluid.
- Aromatics and chlorinated hydrocarbons.
- Hot water, steam.
- Acids, alkalis, amines.

2.2.16 Polyurethane (AU, EU)

One must differentiate between polyester urethane (AU) and polyether urethane (EU). AU type urethanes exhibit better resistance to hydraulic fluids. Polyurethane elastomers, as a class, have excellent wear resistance, high tensile strength and high elasticity in comparison with any other elastomers. Permeability is good and comparable with butyl.

Heat resistance

- Up to approximately 82°C (180°F).

Cold flexibility

- Down to approximately -40°C (-40°F).

Chemical resistance

- Pure aliphatic hydrocarbons (propane, butane, fuel).
- Mineral oil and grease.
- Silicone oil and grease.
- Water up to 50°C (125°F) (EU type).
- Ozone and aging resistant.

Not compatible with:

- Ketones, esters, ethers, alcohols, glycols.
- Hot water, steam, alkalis, amines, acids.

2.2.17 Silicone Rubber (Q, MQ, VMQ, PVMQ)

The term silicone covers a large group of materials in which vinyl-methyl-silicone (VMQ) is often the central ingredient. Silicone elastomers as a group have relatively low tensile strength, poor tear and wear resistance. However, they have many useful properties as well. Silicones have good heat resistance up to 232°C (450°F), good cold flexibility down to -59°C (-75°F) and good ozone and weather resistance as well as good insulating and physiologically neutral properties.

Heat resistance

- Up to approximately 204°C (400°F) (special compounds up to 232°C (450°F).

Cold flexibility

- Down to approximately -59°C to -54°C (-75°F to -65°F) with special compounds down to -115°C (-175°F).

Chemical resistance

- Engine and transmission oil (e.g.: ASTM oil No.1).
- Animal and vegetable oil and grease.
- Brake fluid (non-petroleum base).
- Fire-resistant hydraulic fluid, HFD-R and HFD-S.
- High molecular weight chlorinated aromatic hydrocarbons (including flame-resistant insulators, and coolant for transformers).
- Moderate water resistance.
- Diluted salt solutions.
- Ozone, aging and weather resistant.

Not compatible with:

- Superheated water steam over 121°C (250°F).
- Acids and alkalis.
- Low molecular weight chlorinated hydrocarbons (trichloroethylene).
- Aromatic mineral oil.
- Hydrocarbon based fuels.
- Aromatic hydrocarbons (benzene, toluene).

2.2.18 Styrene-Butadiene (SBR)

SBR probably is better known under its old names Buna S and GRS (government rubber styrene.) SBR was first produced under government control between 1930 and 1950 as a replacement for natural rubber. The basic monomers are butadiene and styrene, with styrene content approximately 23.5%. About one third of the world output of SBR is used in tire production. SBR is mostly used in seals for non-mineral oil based brake fluid applications.

Heat resistance

- Up to approximately 107°C (225°F).

Cold flexibility

- Down to approximately -57°C (-70°F).

Compatible with

- Water, alcohol, glycol and certain ketones (acetone).
- Non-mineral oil based brake fluid.
- Silicone oil and grease.
- Diluted water solutions, weak acids.

Not compatible with:

- Mineral oils
- Petroleum greases and fuels.
- Aliphatic hydrocarbons like benzene, toluene, xylol.
- Chlorinated hydrocarbons - such as chloroform, trichlorethylene, carbon tetrachloride.
- Oxidizing media like nitric acid, chromic acid, hydrogen peroxide, chlorine, bromine.

2.2.19 Tetrafluoroethylene-Propylene (AFLAS®)

This elastomer is a copolymer of tetrafluoroethylene (TFE) and propylene. Its chemical resistance is excellent across a wide range of aggressive media.

Heat resistance

- Up to approximately 232°C (450°F).

Cold flexibility

- Down to approximately -4°C (25°F).

Compatible with

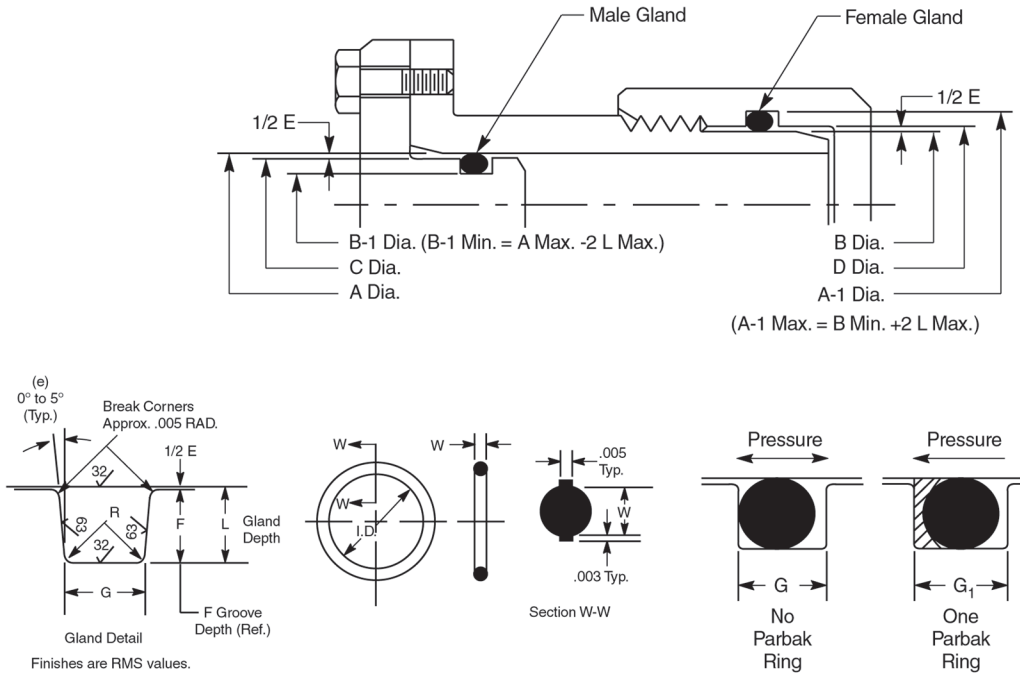
- Bases.
- Phosphate Esters.
- Amines.
- Engine Oils.
- Steam.
- Pulp and paper liquors.

Not compatible with:

- Aromatic Fuels.
- Ketones.
- Carbon Tetrachloride.

STATIC O'RING SEALING

Design Chart 4-1 — Industrial Static Seal Glands



Finishes are RMS values.

Refer to Design Chart 4-1 (below) and Design Table 4-1 for dimensions

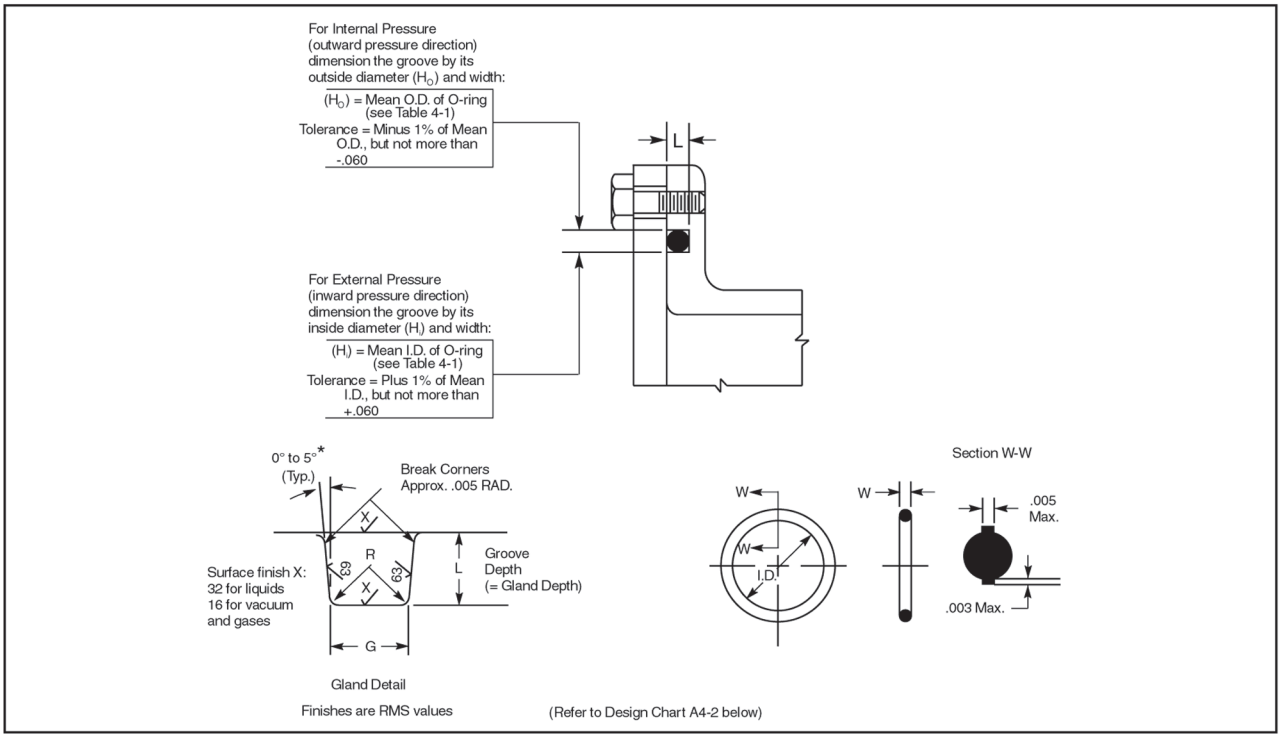
Design Chart 4-1 — For Industrial O-Ring Static Seal Glands

O-Ring 2-Size AS568A-	W Cross-Section Nominal	W Cross-Section Actual	L Gland Depth	Squeeze Actual	Squeeze %	E(a) Diametral Clearance	G - Groove Width No Parbak Ring (G)	G - Groove Width One Parbak Ring (G_1)	G - Groove Width Two Parbak Rings (G_2)	R Groove Radius	Max. Eccentricity (b)
004 through 050	1/16	.070 ±.003	.050 to .052	.015 to .023	22 to 32	.002 to .005	.093 to .098	.138 to .143	.205 to .210	.005 to .015	.002
102 through 178	3/32	.103 ±.003	.081 to .083	.017 to .025	17 to 24	.002 to .005	.140 to .145	.171 to .176	.238 to .243	.005 to .015	.002
201 through 284	1/8	.139 ±.004	.111 to .113	.022 to .032	16 to 23	.003 to .006	.187 to .192	.208 to .213	.275 to .280	.010 to .025	.003
309 through 395	3/16	.210 ±.005	.170 to .173	.032 to .045	15 to 21	.003 to .006	.281 to .286	.311 to .316	.410 to .415	.020 to .035	.004
425 through 475	1/4	.275 ±.006	.226 to .229	.040 to .055	15 to 20	.004 to .007	.375 to .380	.408 to .413	.538 to .543	.020 to .035	.005

(a) Clearance (extrusion gap) must be held to a minimum consistent with design requirements for temperature range variation.
(b) Total indicator reading between groove and adjacent bearing surface.
(c) Reduce maximum diametral clearance 50% when using silicone or fluorosilicone O-rings.
(d) For ease of assembly, when Parbaks are used, gland depth may be increased up to 5%.

Design Chart 4-1: For Industrial O-Ring Static Seal Glands

Design Chart 4-2 — Face Seal Glands



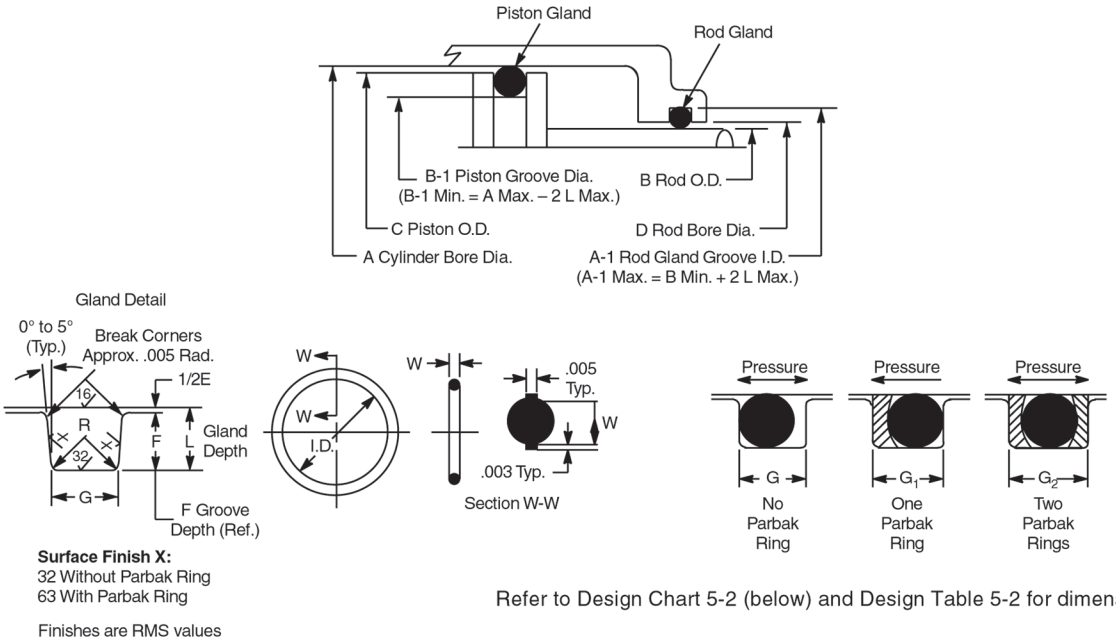
Design Chart 4-2 — For O-Ring Face Seal Glands

These dimensions are intended primarily for face type O-ring seals and low temperature applications.

O-Ring Size Parker No. 2	W Cross Section		L	Squeeze		G Groove Width		R
	Nominal	Actual	Gland Depth	Actual	%	Liquids	Vacuum and Gases	Groove Radius
004 through 050	1/16	.070 ±.003	.050 to .054	.013 to .023	19 to 32	.101 to .107	.084 to .089	.005 to .015
102 through 178	3/32	.103 ±.003	.074 to .080	.020 to .032	20 to 30	.136 to .142	.120 to .125	.005 to .015
201 through 284	1/8	.139 ±.004	.101 to .107	.028 to .042	20 to 30	.177 to .187	.158 to .164	.010 to .025
309 through 395	3/16	.210 ±.005	.152 to .162	.043 to .063	21 to 30	.270 to .290	.239 to .244	.020 to .035
425 through 475	1/4	.275 ±.006	.201 to .211	.058 to .080	21 to 29	.342 to .362	.309 to .314	.020 to .035
Special	3/8	.375 ±.007	.276 to .286	.082 to .108	22 to 28	.475 to .485	.419 to .424	.030 to .045
Special	1/2	.500 ±.008	.370 to .380	.112 to .138	22 to 27	.638 to .645	.560 to .565	.030 to .045

Design Chart 4-2: Design Chart for O-Ring Face Seal Glands

Design Chart 5-2 — For Industrial Reciprocating O-Ring Packing Glands



Surface Finish X:
32 Without Parbak Ring
63 With Parbak Ring

Finishes are RMS values

Refer to Design Chart 5-2 (below) and Design Table 5-2 for dimensions.

Design Chart 5-2 For Industrial Reciprocating O-Ring Packing Glands

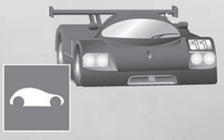
O-Ring 2-Size AS568A-	W Cross-Section Nominal	W Cross-Section Actual	L Gland Depth	Squeeze Actual	Squeeze %	E(a) Diametral Clearance	G-GrooveWidth NoParbak Ring(G)	G-GrooveWidth OneParbak Ring(G_1)	G-GrooveWidth TwoParbak Rings(G_2)	R Groove Radius	Max. Eccen-tricity(b)
006 through 012	1/16	.070 ±.003	.055 to .057	.010 to .018	15 to 25	.002 to .005	.093 to .098	.138 to .143	.205 to .210	.005 to .015	.002
104 through 116	3/32	.103 ±.003	.088 to .090	.010 to .018	10 to 17	.002 to .005	.140 to .145	.171 to .176	.238 to .243	.005 to .015	.002
201 through 222	1/8	.139 ±.004	.121 to .123	.012 to .022	9 to 16	.003 to .006	.187 to .192	.208 to .213	.275 to .280	.010 to .025	.003
309 through 349	3/16	.210 ±.005	.185 to .188	.017 to .030	8 to 14	.003 to .006	.281 to .286	.311 to .316	.410 to .415	.020 to .035	.004
425 through 460	1/4	.275 ±.006	.237 to .240	.029 to .044	11 to 16	.004 to .007	.375 to .380	.408 to .413	.538 to .543	.020 to .035	.005

(a) Clearance (extrusion gap) must be held to a minimum consistent with design requirements for temperature range variation.
(b) Total indicator reading between groove and adjacent bearing surface.

Design Chart 5-2: Design Chart for Industrial Reciprocating O-Ring Packing Glands

Applications

Parker O-Rings are used in many applications and industries, including:



Transportation

- *Brakes/ABS*
- *Cooling/air conditioning*
- *Fuel and diesel injection, spark plugs*
- *Quick connects, couplings, gear units*
- *Shock absorbers*
- *Steering systems*
- *Transmissions and radiators*



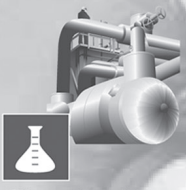
Semiconductor Processing

- *For wet, dry and thermal processes*
- *Parker UHP Processing: Parker uses totally enclosed and dedicated manufacturing areas for compounding, preparation, molding, cleaning and final packaging of o-rings for applications where cleanliness is critical*



Energy/Oil Field

- *Drilling*
- *Exploration*
- *Production*
- *Transportation*



Chemical Processing Industry (CPI)

- *Equipment and components requiring extremely high chemical inertness at temperatures up to +320°C/+608°F*



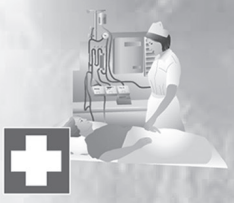
Aerospace

- *Aircraft engines, wheels and brakes*
- *Control and actuation systems*
- *Fuel systems*
- *Space shuttle launch vehicles*



Fluid Power

- *Accumulators*
- *Cylinders, valves*
- *Filters*
- *Fittings*
- *Pumps*
- *Rotary actuators*



Medical

- *Dyalizers*
- *Syringes, and other drug delivery devices*
- *USP Class VI and FDA "White Listed" formulations are available*



Consumer Products

- *Appliances*
- *Compounds meeting the requirements/recommendations: FDA, NSF, WRAS, DVGW, BGA, KTW*
- *Heating/plumbing*
- *Sanitary equipment*

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (001....044)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-001	-001	1/32	3/32	1/32	0.029	0.004	0.040	0.003	0.000	0.74	0.10	1.02	0.08	2-001
2-002	-002	3/64	9/64	3/64	0.042	0.004	0.050	0.003	0.001	1.07	0.10	1.27	0.08	2-002
2-003	-003	1/16	3/16	1/16	0.056	0.004	0.060	0.003	0.001	1.42	0.10	1.52	0.08	2-003
2-004	-004	5/64	13/64	1/16	0.070	0.005	0.070	0.003	0.002	1.78	0.13	1.78	0.08	2-004
2-005	-005	3/32	7/32	1/16	0.101	0.005	0.070	0.003	0.002	2.57	0.13	1.78	0.08	2-005
2-006	-006	1/8	1/4	1/16	0.114	0.005	0.070	0.003	0.002	2.90	0.13	1.78	0.08	2-006
2-007	-007	5/32	9/32	1/16	0.145	0.005	0.070	0.003	0.003	3.68	0.13	1.78	0.08	2-007
2-008	-008	3/16	5/16	1/16	0.176	0.005	0.070	0.003	0.003	4.47	0.13	1.78	0.08	2-008
2-009	-009	7/32	11/32	1/16	0.208	0.005	0.070	0.003	0.003	5.28	0.13	1.78	0.08	2-009
2-010	-010	1/4	3/8	1/16	0.239	0.005	0.070	0.003	0.004	6.07	0.13	1.78	0.08	2-010
2-011	-011	5/16	7/16	1/16	0.301	0.005	0.070	0.003	0.005	7.65	0.13	1.78	0.08	2-011
2-012	-012	3/8	1/2	1/16	0.364	0.005	0.070	0.003	0.005	9.25	0.13	1.78	0.08	2-012
2-013	-013	7/16	9/16	1/16	0.426	0.005	0.070	0.003	0.006	10.82	0.13	1.78	0.08	2-013
2-014	-014	1/2	5/8	1/16	0.489	0.005	0.070	0.003	0.007	12.42	0.13	1.78	0.08	2-014
2-015	-015	9/16	11/16	1/16	0.551	0.007	0.070	0.003	0.008	14.00	0.18	1.78	0.08	2-015
2-016	-016	5/8	3/4	1/16	0.614	0.009	0.070	0.003	0.008	15.60	0.23	1.78	0.08	2-016
2-017	-017	11/16	13/16	1/16	0.676	0.009	0.070	0.003	0.009	17.17	0.23	1.78	0.08	2-017
2-018	-018	3/4	7/8	1/16	0.739	0.009	0.070	0.003	0.010	18.77	0.23	1.78	0.08	2-018
2-019	-019	13/16	15/16	1/16	0.801	0.009	0.070	0.003	0.011	20.35	0.23	1.78	0.08	2-019
2-020	-020	7/8	1	1/16	0.864	0.009	0.070	0.003	0.011	21.95	0.23	1.78	0.08	2-020
2-021	-021	15/16	1 1/16	1/16	0.926	0.009	0.070	0.003	0.012	23.52	0.23	1.78	0.08	2-021
2-022	-022	1	1 1/8	1/16	0.989	0.010	0.070	0.003	0.013	25.12	0.25	1.78	0.08	2-022
2-023	-023	1 1/16	1 3/16	1/16	1.051	0.010	0.070	0.003	0.014	26.70	0.25	1.78	0.08	2-023
2-024	-024	1 1/8	1 1/4	1/16	1.114	0.010	0.070	0.003	0.014	28.30	0.25	1.78	0.08	2-024
2-025	-025	1 3/16	1 5/16	1/16	1.176	0.011	0.070	0.003	0.015	29.87	0.28	1.78	0.08	2-025
2-026	-026	1 1/4	1 3/8	1/16	1.239	0.011	0.070	0.003	0.016	31.47	0.28	1.78	0.08	2-026
2-027	-027	1 5/16	1 7/16	1/16	1.301	0.011	0.070	0.003	0.017	33.05	0.28	1.78	0.08	2-027
2-028	-028	1 3/8	1 1/2	1/16	1.364	0.013	0.070	0.003	0.017	34.65	0.33	1.78	0.08	2-028
2-029	-029	1 1/2	1 5/8	1/16	1.489	0.013	0.070	0.003	0.019	37.82	0.33	1.78	0.08	2-029
2-030	-030	1 5/8	1 3/4	1/16	1.614	0.013	0.070	0.003	0.020	41.00	0.33	1.78	0.08	2-030
2-031	-031	1 3/4	1 7/8	1/16	1.739	0.015	0.070	0.003	0.022	44.17	0.38	1.78	0.08	2-031
2-032	-032	1 7/8	2	1/16	1.864	0.015	0.070	0.003	0.023	47.35	0.38	1.78	0.08	2-032
2-033	-033	2	2 1/8	1/16	1.989	0.018	0.070	0.003	0.025	50.52	0.46	1.78	0.08	2-033
2-034	-034	2 1/8	2 1/4	1/16	2.114	0.018	0.070	0.003	0.026	53.70	0.46	1.78	0.08	2-034
2-035	-035	2 1/4	2 3/8	1/16	2.239	0.018	0.070	0.003	0.028	56.87	0.46	1.78	0.08	2-035
2-036	-036	2 3/8	2 1/2	1/16	2.364	0.018	0.070	0.003	0.029	60.05	0.46	1.78	0.08	2-036
2-037	-037	2 1/2	2 5/8	1/16	2.489	0.018	0.070	0.003	0.031	63.22	0.46	1.78	0.08	2-037
2-038	-038	2 5/8	2 3/4	1/16	2.614	0.020	0.070	0.003	0.032	66.40	0.51	1.78	0.08	2-038
2-039	-039	2 3/4	2 7/8	1/16	2.739	0.020	0.070	0.003	0.034	69.57	0.51	1.78	0.08	2-039
2-040	-040	2 7/8	3	1/16	2.864	0.020	0.070	0.003	0.036	72.75	0.51	1.78	0.08	2-040
2-041	-041	3	3 1/8	1/16	2.989	0.024	0.070	0.003	0.037	75.92	0.61	1.78	0.08	2-041
2-042	-042	3 1/4	3 3/8	1/16	3.239	0.024	0.070	0.003	0.040	82.27	0.61	1.78	0.08	2-042
2-043	-043	3 1/2	3 5/8	1/16	3.489	0.024	0.070	0.003	0.043	88.62	0.61	1.78	0.08	2-043
2-044	-044	3 3/4	3 7/8	1/16	3.739	0.027	0.070	0.003	0.046	94.97	0.69	1.78	0.08	2-044

SERIES 2-XXX O-RINGS (001....044)

PRICING TABLE

	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-001	0.10	0.20	0.60	0.15	1.80	1.15	0.05	0.95	1.45	O/R	O/R	O/R
-002	0.10	0.20	0.55	0.15	1.50	1.15	0.10	0.90	1.85	O/R	O/R	O/R
-003	0.10	0.20	0.40	0.15	1.20	1.10	0.10	0.80	1.85	0.90	O/R	O/R
-004	0.10	0.20	0.35	0.15	0.95	1.00	0.10	0.70	1.85	0.90	0.95	O/R
-005	0.10	0.20	0.25	0.20	0.75	0.95	0.10	0.65	1.85	0.85	0.95	O/R
-006	0.05	0.10	0.20	0.20	0.45	0.75	0.10	0.60	1.85	0.85	0.70	O/R
-007	0.05	0.10	0.20	0.25	0.50	0.75	0.10	0.60	1.85	0.85	0.75	O/R
-008	0.05	0.10	0.20	0.25	0.50	0.75	0.15	0.60	1.90	0.90	0.75	0.60
-009	0.05	0.10	0.20	0.25	0.55	0.75	0.15	0.60	1.95	0.90	0.80	0.60
-010	0.05	0.10	0.20	0.30	0.60	0.75	0.15	0.60	2.05	0.95	0.85	0.55
-011	0.05	0.10	0.25	0.35	0.70	0.75	0.20	0.65	2.10	0.95	0.85	0.50
-012	0.05	0.10	0.25	0.35	0.75	0.80	0.20	0.65	2.15	0.95	0.90	0.50
-013	0.05	0.10	0.30	0.45	0.85	0.80	0.20	0.65	2.20	1.00	0.90	0.45
-014	0.05	0.10	0.35	0.45	1.05	0.80	0.25	0.70	2.30	1.00	0.95	0.45
-015	0.10	0.15	0.40	0.50	1.15	0.85	0.30	0.70	2.35	1.20	1.00	0.40
-016	0.10	0.15	0.40	0.50	1.15	0.85	0.30	0.70	2.40	1.25	1.00	0.40
-017	0.10	0.15	0.40	0.50	1.20	0.85	0.30	0.70	2.45	1.30	1.00	0.40
-018	0.10	0.15	0.40	0.55	1.20	0.95	0.35	0.70	2.50	1.50	1.05	0.40
-019	0.10	0.15	0.45	0.55	1.30	0.95	0.40	0.75	2.60	1.50	1.10	0.40
-020	0.10	0.15	0.50	0.60	1.35	0.95	0.45	0.95	2.65	1.60	1.10	0.40
-021	0.10	0.15	0.50	0.60	1.40	1.00	0.50	1.05	5.00	1.65	1.15	0.40
-022	0.10	0.15	0.50	0.65	1.40	1.00	0.50	1.15	2.80	1.75	1.15	0.40
-023	0.10	0.20	0.55	0.75	1.55	1.10	0.55	1.25	2.85	1.75	1.20	0.45
-024	0.10	0.20	0.60	0.80	1.80	1.10	0.60	1.30	2.90	2.15	1.25	0.45
-025	0.10	0.20	0.70	0.90	1.95	1.10	0.70	1.35	2.95	2.20	1.25	0.45
-026	0.15	0.20	0.75	0.95	2.10	1.10	0.70	1.45	3.05	2.20	1.30	0.45
-027	0.15	0.20	0.75	1.00	2.15	1.15	0.70	1.55	5.25	2.25	1.30	0.45
-028	0.20	0.25	0.80	1.05	2.30	1.15	0.80	1.60	5.25	2.30	1.35	0.45
-029	0.20	0.25	0.80	1.10	2.35	1.90	0.85	1.75	5.25	2.30	1.40	0.45
-030	0.20	0.25	0.95	1.25	2.65	1.90	0.90	1.95	5.45	2.65	1.45	0.50
-031	0.25	0.30	1.05	1.35	3.00	1.90	0.95	2.15	5.45	2.90	1.50	O/R
-032	0.25	0.35	1.30	1.70	3.70	2.05	1.10	2.35	5.50	3.25	1.90	O/R
-033	0.25	0.35	1.35	1.75	3.85	2.70	1.35	2.70	5.50	3.25	2.20	O/R
-034	0.30	0.40	1.50	1.95	4.30	2.80	1.45	2.85	5.55	3.80	2.60	O/R
-035	0.30	0.45	1.65	2.15	4.70	2.85	1.45	3.00	5.70	4.55	2.80	O/R
-036	0.35	0.45	1.75	2.25	4.90	3.55	1.60	3.15	6.00	4.90	3.00	O/R
-037	0.35	0.50	1.75	2.35	5.05	3.55	1.60	3.35	12.90	5.30	3.15	O/R
-038	0.35	0.50	1.90	2.50	5.50	4.05	1.65	3.35	13.80	5.30	3.40	O/R
-039	0.40	0.60	2.05	2.55	5.55	4.25	1.85	3.65	14.05	5.80	3.50	O/R
-040	0.40	0.60	2.10	2.75	5.95	4.70	1.95	4.05	16.00	6.35	3.75	O/R
-041	0.50	0.60	2.15	2.80	6.15	6.35	2.20	4.20	16.20	8.60	3.85	O/R
-042	0.55	0.70	2.30	3.00	6.55	7.35	2.45	4.35	21.35	9.65	4.05	O/R
-043	0.55	0.75	2.45	3.10	6.95	7.90	2.55	4.75	23.00	9.80	4.20	O/R
-044	0.65	0.80	2.60	3.40	7.35	8.85	2.65	5.25	21.90	10.00	4.65	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (045....139)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-045	-045	4	4 1/8	1/16	3.989	0.027	0.070	0.003	0.049	101.32	0.69	1.78	0.08	2-045
2-046	-046	4 1/4	4 3/8	1/16	4.239	0.030	0.070	0.003	0.052	107.67	0.76	1.78	0.08	2-046
2-047	-047	4 1/2	4 5/8	1/16	4.489	0.030	0.070	0.003	0.055	114.02	0.76	1.78	0.08	2-047
2-048	-048	4 3/4	4 7/8	1/16	4.739	0.030	0.070	0.003	0.058	120.37	0.76	1.78	0.08	2-048
2-049	-049	5	5 1/8	1/16	4.989	0.037	0.070	0.003	0.061	126.72	0.94	1.78	0.08	2-049
2-050	-050	5 1/4	5 3/8	1/16	5.239	0.037	0.070	0.003	0.064	133.07	0.94	1.78	0.08	2-050
2-102	-102	1/16	1/4	3/32	0.049	0.005	0.103	0.003	0.004	1.24	0.13	2.62	0.08	2-102
2-103	-103	3/32	9/32	3/32	0.081	0.005	0.103	0.003	0.005	2.06	0.13	2.62	0.08	2-103
2-104	-104	1/8	5/16	3/32	0.112	0.005	0.103	0.003	0.006	2.84	0.13	2.62	0.08	2-104
2-105	-105	5/32	11/32	3/32	0.143	0.005	0.103	0.003	0.006	3.63	0.13	2.62	0.08	2-105
2-106	-106	3/16	3/8	3/32	0.174	0.005	0.103	0.003	0.007	4.42	0.13	2.62	0.08	2-106
2-107	-107	7/32	13/32	3/32	0.206	0.005	0.103	0.003	0.008	5.23	0.13	2.62	0.08	2-107
2-108	-108	1/4	7/16	3/32	0.237	0.005	0.103	0.003	0.009	6.02	0.13	2.62	0.08	2-108
2-109	-109	5/16	1/2	3/32	0.299	0.005	0.103	0.003	0.011	7.59	0.13	2.62	0.08	2-109
2-110	-110	3/8	9/16	3/32	0.362	0.005	0.103	0.003	0.012	9.19	0.13	2.62	0.08	2-110
2-111	-111	7/16	5/8	3/32	0.424	0.005	0.103	0.003	0.014	10.77	0.13	2.62	0.08	2-111
2-112	-112	1/2	11/16	3/32	0.487	0.005	0.103	0.003	0.015	12.37	0.13	2.62	0.08	2-112
2-113	-113	9/16	3/4	3/32	0.549	0.007	0.103	0.003	0.017	13.94	0.18	2.62	0.08	2-113
2-114	-114	5/8	13/16	3/32	0.612	0.009	0.103	0.003	0.019	15.54	0.23	2.62	0.08	2-114
2-115	-115	11/16	7/8	3/32	0.674	0.009	0.103	0.003	0.020	17.12	0.23	2.62	0.08	2-115
2-116	-116	3/4	15/16	3/32	0.737	0.009	0.103	0.003	0.022	18.72	0.23	2.62	0.08	2-116
2-117	-117	13/16	1	3/32	0.799	0.010	0.103	0.003	0.024	20.30	0.25	2.62	0.08	2-117
2-118	-118	7/8	1 1/16	3/32	0.862	0.010	0.103	0.003	0.025	21.89	0.25	2.62	0.08	2-118
2-119	-119	15/16	1 1/8	3/32	0.924	0.010	0.103	0.003	0.027	23.47	0.25	2.62	0.08	2-119
2-120	-120	1	1 3/16	3/32	0.987	0.010	0.103	0.003	0.029	25.07	0.25	2.62	0.08	2-120
2-121	-121	1 1/16	1 1/4	3/32	1.049	0.010	0.103	0.003	0.030	26.64	0.25	2.62	0.08	2-121
2-122	-122	1 1/8	1 5/16	3/32	1.112	0.010	0.103	0.003	0.032	28.24	0.25	2.62	0.08	2-122
2-123	-123	1 3/16	1 3/8	3/32	1.174	0.012	0.103	0.003	0.033	29.82	0.30	2.62	0.08	2-123
2-124	-124	1 1/4	1 7/16	3/32	1.237	0.012	0.103	0.003	0.035	31.42	0.30	2.62	0.08	2-124
2-125	-125	1 5/16	1 1/2	3/32	1.299	0.012	0.103	0.003	0.037	32.99	0.30	2.62	0.08	2-125
2-126	-126	1 3/8	1 9/16	3/32	1.362	0.012	0.103	0.003	0.038	34.59	0.30	2.62	0.08	2-126
2-127	-127	1 7/16	1 5/8	3/32	1.424	0.012	0.103	0.003	0.040	36.17	0.30	2.62	0.08	2-127
2-128	-128	1 1/2	1 11/16	3/32	1.487	0.012	0.103	0.003	0.042	37.77	0.30	2.62	0.08	2-128
2-129	-129	1 9/16	1 3/4	3/32	1.549	0.015	0.103	0.003	0.043	39.34	0.38	2.62	0.08	2-129
2-130	-130	1 5/8	1 13/16	3/32	1.612	0.015	0.103	0.003	0.045	40.94	0.38	2.62	0.08	2-130
2-131	-131	1 11/16	1 7/8	3/32	1.674	0.015	0.103	0.003	0.047	42.52	0.38	2.62	0.08	2-131
2-132	-132	1 3/4	1 15/16	3/32	1.737	0.015	0.103	0.003	0.048	44.12	0.38	2.62	0.08	2-132
2-133	-133	1 13/16	2	3/32	1.799	0.015	0.103	0.003	0.050	45.69	0.38	2.62	0.08	2-133
2-134	-134	1 7/8	2 1/16	3/32	1.862	0.015	0.103	0.003	0.051	47.29	0.38	2.62	0.08	2-134
2-135	-135	1 15/16	2 1/8	3/32	1.925	0.017	0.103	0.003	0.053	48.90	0.43	2.62	0.08	2-135
2-136	-136	2	2 3/16	3/32	1.987	0.017	0.103	0.003	0.055	50.47	0.43	2.62	0.08	2-136
2-137	-137	2 1/16	2 1/4	3/32	2.050	0.017	0.103	0.003	0.056	52.07	0.43	2.62	0.08	2-137
2-138	-138	2 1/8	2 5/16	3/32	2.112	0.017	0.103	0.003	0.058	53.64	0.43	2.62	0.08	2-138
2-139	-139	2 3/16	2 3/8	3/32	2.175	0.017	0.103	0.003	0.060	55.25	0.04	2.62	0.08	2-139

Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
	F:-30 to 250 C:-34 to 121	F:-30 to 250 C:-34 to 121	F:-15 to 400 C:-26 to 205	F:-15 to 400 C:-26 to 205	F:25 to 450 C:-2 to 230	F:-75 to 275 C:-57 to 135	F:-40 to 300 C:-40 to 150	F:-65 to 450 C:-54 to 232	F:-60 TO 250 C:-51 to 121	F:-320 to 450 C:-196 to 232	F:-30 to 250 C:-34 to 121	F:-65 to 225 C:-54 to 107
-045	0.70	0.90	2.70	3.55	7.70	10.30	3.00	5.70	21.90	10.20	5.05	O/R
-046	0.80	0.95	2.80	3.65	8.00	11.05	3.00	6.10	22.75	10.40	5.45	O/R
-047	0.85	1.05	3.15	4.10	8.95	11.60	3.10	6.70	23.60	10.90	5.80	O/R
-048	0.95	1.15	3.95	5.15	11.25	12.15	3.65	6.85	O/R	11.30	6.15	O/R
-049	1.05	1.30	4.30	5.60	12.30	13.50	3.90	8.45	O/R	11.85	6.90	O/R
-050	1.10	1.35	4.60	6.00	13.10	14.20	4.30	9.40	28.30	O/R	8.20	O/R
-102	0.10	0.15	0.60	0.55	1.70	1.00	0.15	0.70	O/R	O/R	O/R	O/R
-103	0.10	0.15	0.50	0.55	1.45	0.95	0.15	0.65	O/R	O/R	1.15	O/R
-104	0.10	0.15	0.50	0.60	1.40	0.75	0.20	0.60	O/R	O/R	1.15	O/R
-105	0.10	0.15	0.50	0.60	1.40	0.75	0.20	0.60	5.15	O/R	1.20	O/R
-106	0.10	0.15	0.50	0.60	1.35	0.75	0.20	0.60	2.05	0.90	1.25	O/R
-107	0.10	0.15	0.45	0.60	1.35	0.75	0.25	0.65	O/R	0.90	1.25	O/R
-108	0.10	0.15	0.45	0.60	1.35	0.75	0.30	0.65	2.10	0.90	1.35	O/R
-109	0.10	0.15	0.50	0.60	1.35	0.75	0.30	0.65	O/R	0.90	1.45	O/R
-110	0.10	0.15	0.50	0.60	1.35	0.75	0.30	0.65	2.20	0.90	0.70	0.55
-111	0.10	0.15	0.50	0.60	1.45	0.80	0.35	0.70	2.30	0.95	0.75	0.50
-112	0.10	0.15	0.55	0.70	1.50	0.80	0.40	0.70	2.40	1.10	0.75	0.50
-113	0.10	0.15	0.55	0.70	1.60	0.80	0.45	0.70	2.40	1.30	0.80	0.45
-114	0.10	0.20	0.60	0.80	1.80	0.80	0.50	0.70	2.45	1.50	0.85	0.40
-115	0.10	0.20	0.60	0.80	1.80	0.85	0.50	0.70	2.50	1.55	0.85	0.40
-116	0.10	0.20	0.60	0.85	1.80	0.85	0.55	0.75	2.60	1.65	0.90	0.35
-117	0.10	0.20	0.65	0.85	1.85	0.95	0.60	0.95	2.65	1.90	0.90	0.35
-118	0.10	0.20	0.70	0.90	1.95	0.95	0.65	1.05	4.25	2.15	0.95	0.30
-119	0.10	0.20	0.70	1.00	2.05	0.95	0.70	1.15	2.80	2.20	1.00	0.30
-120	0.15	0.20	0.80	1.00	2.20	1.10	0.70	1.25	2.85	2.90	1.00	0.30
-121	0.20	0.25	0.80	1.05	2.25	1.10	0.75	1.30	2.90	3.05	1.05	0.25
-122	0.20	0.25	0.80	1.10	2.35	1.10	0.80	1.40	2.95	3.10	1.10	0.30
-123	0.20	0.25	0.90	1.15	2.55	1.15	0.85	1.40	3.05	3.40	1.10	0.30
-124	0.20	0.25	0.95	1.25	2.65	1.15	0.90	1.55	6.55	3.45	1.15	0.35
-125	0.20	0.25	1.05	1.35	3.00	1.20	0.95	1.55	6.55	3.50	1.15	0.35
-126	0.20	0.30	1.15	1.50	3.30	1.20	1.05	1.60	3.25	3.55	1.25	0.35
-127	0.25	0.30	1.20	1.55	3.40	1.20	1.10	1.65	3.25	3.70	1.25	0.35
-128	0.25	0.35	1.25	1.65	3.60	1.35	1.15	1.70	7.10	3.75	1.30	0.35
-129	0.25	0.35	1.35	1.75	3.85	1.45	1.15	1.95	3.50	3.85	1.30	0.35
-130	0.25	0.35	1.45	1.90	4.10	1.45	1.25	2.05	3.75	3.90	1.35	0.35
-131	0.25	0.35	1.55	2.05	4.45	1.50	1.30	2.10	3.75	4.00	1.40	0.40
-132	0.25	0.35	1.65	2.15	4.70	1.50	1.30	2.15	3.95	4.05	1.45	0.40
-133	0.25	0.35	1.75	2.35	5.05	1.55	1.35	2.25	12.15	4.15	1.45	0.40
-134	0.30	0.45	1.85	2.40	5.25	1.55	1.40	2.35	7.10	4.35	1.50	0.40
-135	0.30	0.45	1.85	2.40	5.30	1.65	1.60	2.40	4.15	4.90	1.50	0.40
-136	0.35	0.50	1.85	2.45	5.35	1.90	1.65	2.70	7.10	5.30	1.55	0.40
-137	0.35	0.50	1.90	2.45	5.35	2.00	1.75	2.75	7.10	5.40	1.55	0.45
-138	0.35	0.50	1.90	2.50	5.45	2.00	1.85	2.85	7.10	5.50	1.60	0.45
-139	0.35	0.50	1.90	2.55	5.55	2.05	1.85	2.90	7.10	5.60	1.65	0.45

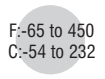
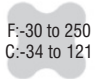
* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (140....205)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-140	-140	2 1/4	2 7/16	3/32	2.237	0.017	0.103	0.003	0.061	56.82	0.43	2.62	0.08	2-140
2-141	-141	2 5/16	2 1/2	3/32	2.300	0.020	0.103	0.003	0.063	58.42	0.51	2.62	0.08	2-141
2-142	-142	2 3/8	2 9/16	3/32	2.362	0.020	0.103	0.003	0.065	59.99	0.51	2.62	0.08	2-142
2-143	-143	2 7/16	2 5/8	3/32	2.425	0.020	0.103	0.003	0.066	61.60	0.51	2.62	0.08	2-143
2-144	-144	2 1/2	2 11/16	3/32	2.487	0.020	0.103	0.003	0.068	63.17	0.51	2.62	0.08	2-144
2-145	-145	2 9/16	2 3/4	3/32	2.550	0.020	0.103	0.003	0.069	64.77	0.51	2.62	0.08	2-145
2-146	-146	2 5/8	2 13/16	3/32	2.612	0.020	0.103	0.003	0.071	66.34	0.51	2.62	0.08	2-146
2-147	-147	2 11/16	2 7/8	3/32	2.675	0.022	0.103	0.003	0.073	67.95	0.56	2.62	0.08	2-147
2-148	-148	2 3/4	2 15/16	3/32	2.737	0.022	0.103	0.003	0.074	69.52	0.56	2.62	0.08	2-148
2-149	-149	2 13/16	3	3/32	2.800	0.022	0.103	0.003	0.076	71.12	0.56	2.62	0.08	2-149
2-150	-150	2 7/8	3 1/16	3/32	2.862	0.022	0.103	0.003	0.078	72.69	0.56	2.62	0.08	2-150
2-151	-151	3	3 3/16	3/32	2.987	0.024	0.103	0.003	0.081	75.87	0.61	2.62	0.08	2-151
2-152	-152	3 1/4	3 7/16	3/32	3.237	0.024	0.103	0.003	0.087	82.22	0.61	2.62	0.08	2-152
2-153	-153	3 1/2	3 11/16	3/32	3.487	0.024	0.103	0.003	0.094	88.57	0.61	2.62	0.08	2-153
2-154	-154	3 3/4	3 15/16	3/32	3.737	0.028	0.103	0.003	0.101	94.92	0.71	2.62	0.08	2-154
2-155	-155	4	4 3/16	3/32	3.987	0.028	0.103	0.003	0.107	101.27	0.71	2.62	0.08	2-155
2-156	-156	4 1/4	4 7/16	3/32	4.237	0.030	0.103	0.003	0.114	107.62	0.76	2.62	0.08	2-156
2-157	-157	4 1/2	4 11/16	3/32	4.487	0.030	0.103	0.003	0.120	113.97	0.76	2.62	0.08	2-157
2-158	-158	4 3/4	4 15/16	3/32	4.737	0.030	0.103	0.003	0.127	120.32	0.76	2.62	0.08	2-158
2-159	-159	5	5 3/16	3/32	4.987	0.035	0.103	0.003	0.133	126.67	0.89	2.62	0.08	2-159
2-160	-160	5 1/4	5 7/16	3/32	5.237	0.035	0.103	0.003	0.140	133.02	0.89	2.62	0.08	2-160
2-161	-161	5 1/2	5 11/16	3/32	5.487	0.035	0.103	0.003	0.146	139.37	0.89	2.62	0.08	2-161
2-162	-162	5 3/4	5 15/16	3/32	5.737	0.035	0.103	0.003	0.153	145.72	0.89	2.62	0.08	2-162
2-163	-163	6	6 3/16	3/32	5.987	0.035	0.103	0.003	0.159	152.07	0.89	2.62	0.08	2-163
2-164	-164	6 1/4	6 7/16	3/32	6.237	0.040	0.103	0.003	0.166	158.42	1.02	2.62	0.08	2-164
2-165	-165	6 1/2	6 11/16	3/32	6.487	0.040	0.103	0.003	0.173	164.77	1.02	2.62	0.08	2-165
2-166	-166	6 3/4	6 15/16	3/32	6.737	0.040	0.103	0.003	0.179	171.12	1.02	2.62	0.08	2-166
2-167	-167	7	7 3/16	3/32	6.987	0.040	0.103	0.003	0.186	177.47	1.02	2.62	0.08	2-167
2-168	-168	7 1/4	7 7/16	3/32	7.237	0.045	0.103	0.003	0.192	183.82	1.14	2.62	0.08	2-168
2-169	-169	7 1/2	7 11/16	3/32	7.487	0.045	0.103	0.003	0.199	190.17	1.14	2.62	0.08	2-169
2-170	-170	7 3/4	7 15/16	3/32	7.737	0.045	0.103	0.003	0.205	196.52	1.14	2.62	0.08	2-170
2-171	-171	8	8 3/16	3/32	7.987	0.045	0.103	0.003	0.212	202.87	1.14	2.62	0.08	2-171
2-172	-172	8 1/4	8 7/16	3/32	8.237	0.050	0.103	0.003	0.218	209.22	1.27	2.62	0.08	2-172
2-173	-173	8 1/2	8 11/16	3/32	8.487	0.050	0.103	0.003	0.225	215.57	1.27	2.62	0.08	2-173
2-174	-174	8 3/4	8 15/16	3/32	8.737	0.050	0.103	0.003	0.231	221.92	1.27	2.62	0.08	2-174
2-175	-175	9	9 3/16	3/32	8.987	0.050	0.103	0.003	0.238	228.27	1.27	2.62	0.08	2-175
2-176	-176	9 1/4	9 7/16	3/32	9.237	0.055	0.103	0.003	0.245	234.62	1.40	2.62	0.08	2-176
2-177	-177	9 1/2	9 11/16	3/32	9.487	0.055	0.103	0.003	0.251	240.97	1.40	2.62	0.08	2-177
2-178	-178	9 3/4	9 15/16	3/32	9.737	0.055	0.103	0.003	0.258	247.32	1.40	2.62	0.08	2-178
2-201	-201	3/16	7/16	1/8	0.171	0.055	0.139	0.004	0.015	4.34	0.13	3.53	0.1	2-201
2-202	-202	1/4	1/2	1/8	0.234	0.005	0.139	0.004	0.018	5.94	0.13	3.53	0.1	2-202
2-203	-203	5/16	9/16	1/8	0.296	0.005	0.139	0.004	0.021	7.52	0.13	3.53	0.1	2-203
2-204	-204	3/8	5/8	1/8	0.359	0.005	0.139	0.004	0.024	9.12	0.13	3.53	0.1	2-204
2-205	-205	7/16	11/16	1/8	0.421	0.005	0.139	0.004	0.027	10.69	0.13	3.53	0.1	2-205

SERIES 2-XXX O-RINGS (140....205)

PRICING TABLE

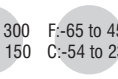
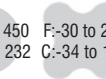
	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-140	0.35	0.55	1.95	2.55	5.60	2.05	1.90	3.00	7.10	5.75	1.95	0.45
-141	0.35	0.55	2.00	2.65	5.75	2.00	1.95	3.10	7.10	6.00	2.30	0.45
-142	0.35	0.55	2.05	2.65	5.80	2.20	2.00	3.15	7.10	6.15	2.40	0.45
-143	0.40	0.60	2.05	2.70	5.90	2.20	2.10	3.25	7.10	6.25	2.45	0.45
-144	0.40	0.60	2.10	2.75	5.95	2.30	2.10	3.35	7.10	6.35	2.55	0.50
-145	0.45	0.60	2.15	2.85	6.25	2.30	2.10	3.40	7.65	6.45	2.60	0.50
-146	0.50	0.70	2.25	2.95	6.45	2.40	2.10	3.45	7.65	7.95	3.05	0.50
-147	0.50	0.70	2.50	3.25	7.15	2.40	2.40	3.60	7.65	6.90	3.05	0.55
-148	0.50	0.70	2.60	3.40	7.35	2.40	2.55	3.65	7.65	6.95	3.10	0.55
-149	0.50	0.75	2.80	3.60	7.90	2.55	2.60	3.75	12.40	7.40	3.15	0.55
-150	0.50	0.75	3.10	4.05	8.80	3.55	2.60	4.00	13.25	7.80	3.20	0.55
-151	0.50	0.75	3.25	4.20	9.20	4.30	2.70	4.20	13.80	8.50	3.25	0.60
-152	0.55	0.80	3.40	4.40	9.60	5.50	3.05	4.35	19.15	11.95	3.30	0.60
-153	0.60	0.80	3.60	4.70	10.25	5.95	3.15	4.75	6.90	12.95	3.40	0.65
-154	0.65	0.80	3.65	4.75	10.45	6.75	3.25	5.25	20.45	13.10	3.80	0.80
-155	0.70	0.90	3.90	5.05	11.05	7.40	3.35	5.70	20.45	13.30	3.95	0.85
-156	0.75	1.00	4.30	5.55	12.30	7.80	3.60	6.10	20.50	13.90	4.70	0.90
-157	0.75	1.10	4.80	6.20	13.70	8.05	4.05	6.70	20.50	14.30	4.70	0.95
-158	0.90	1.15	5.10	6.60	14.50	8.65	4.35	6.85	21.00	14.75	5.60	1.00
-159	0.95	1.30	5.45	7.10	15.55	9.90	4.60	8.45	21.10	16.50	5.70	1.05
-160	1.00	1.40	5.90	7.65	16.80	10.30	4.85	9.40	21.45	16.80	5.85	1.10
-161	1.05	1.40	6.25	8.05	17.60	10.90	5.10	10.80	22.45	17.15	6.00	O/R
-162	1.20	1.55	6.55	8.40	18.40	11.35	5.20	12.05	24.95	17.55	6.05	O/R
-163	1.20	1.60	6.80	8.80	19.20	11.95	5.25	13.35	25.20	17.95	6.10	O/R
-164	1.30	1.65	7.10	9.20	20.05	12.50	5.30	14.15	O/R	18.15	8.60	O/R
-165	1.55	2.05	7.45	9.55	21.05	13.00	5.65	14.95	O/R	18.60	11.05	O/R
-166	1.65	2.10	7.60	9.70	21.45	15.05	5.95	15.95	25.75	19.40	12.45	O/R
-167	1.70	2.35	7.70	9.80	21.65	16.20	8.35	18.15	O/R	O/R	12.70	O/R
-168	1.85	2.60	7.75	9.95	21.85	17.35	8.60	18.65	O/R	O/R	14.40	O/R
-169	2.20	2.95	7.80	10.10	22.05	17.85	9.15	19.05	O/R	O/R	15.95	O/R
-170	2.30	3.20	7.90	10.20	22.30	18.80	9.20	19.50	O/R	O/R	16.80	O/R
-171	2.45	3.45	8.05	10.35	22.70	20.55	9.30	20.65	26.75	45.65	O/R	1.90
-172	2.90	4.10	8.10	11.00	22.90	20.95	9.40	21.50	O/R	O/R	O/R	1.95
-173	3.05	4.15	8.95	12.30	25.35	21.45	9.45	22.20	O/R	48.75	O/R	2.05
-174	3.20	4.55	9.45	12.55	26.75	22.75	9.50	23.05	O/R	O/R	O/R	2.10
-175	3.40	4.70	10.00	13.05	28.20	23.50	9.55	23.75	O/R	O/R	O/R	2.15
-176	3.80	4.85	10.30	13.35	29.00	24.30	9.55	25.45	O/R	O/R	O/R	2.15
-177	4.00	5.10	10.40	13.60	29.45	25.35	9.60	26.15	O/R	O/R	O/R	2.25
-178	4.20	5.30	10.50	14.00	29.65	26.20	9.70	27.85	O/R	O/R	O/R	2.30
-201	0.10	0.10	0.50	0.65	1.45	0.65	0.30	0.60	3.60	O/R	O/R	0.70
-202	0.10	0.10	0.55	0.70	1.50	0.65	0.35	0.65	O/R	O/R	O/R	0.65
-203	0.10	0.10	0.55	0.75	1.60	0.70	0.40	0.65	O/R	O/R	O/R	O/R
-204	0.10	0.10	0.60	0.80	1.75	0.70	0.40	0.70	1.95	4.35	1.55	O/R
-205	0.10	0.15	0.65	0.85	1.80	0.70	0.50	0.70	2.05	O/R	1.65	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (206....249)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-206	-206	1/2	3/4	1/8	0.484	0.005	0.139	0.004	0.030	12.29	0.13	3.53	0.1	2-206
2-207	-207	9/16	13/16	1/8	0.546	0.007	0.139	0.004	0.033	13.87	0.18	3.53	0.1	2-207
2-208	-208	5/8	7/8	1/8	0.609	0.009	0.139	0.004	0.036	15.47	0.23	3.53	0.1	2-208
2-209	-209	11/16	15/16	1/8	0.671	0.010	0.139	0.004	0.039	17.04	0.23	3.53	0.1	2-209
2-210	-210	3/4	1	1/8	0.734	0.010	0.139	0.004	0.042	18.64	0.25	3.53	0.1	2-210
2-211	-211	13/16	1 1/16	1/8	0.796	0.010	0.139	0.004	0.045	20.22	0.25	3.53	0.1	2-211
2-212	-212	7/8	1 1/8	1/8	0.859	0.010	0.139	0.004	0.048	21.82	0.25	3.53	0.1	2-212
2-213	-213	15/16	1 3/16	1/8	0.921	0.010	0.139	0.004	0.051	23.39	0.25	3.53	0.1	2-213
2-214	-214	1	1 1/4	1/8	0.984	0.010	0.139	0.004	0.054	24.99	0.25	3.53	0.1	2-214
2-215	-215	1 1/16	1 5/16	1/8	1.046	0.010	0.139	0.004	0.057	26.57	0.25	3.53	0.1	2-215
2-216	-216	1 1/8	1 3/8	1/8	1.109	0.012	0.139	0.004	0.060	28.17	0.30	3.53	0.1	2-216
2-217	-217	1 3/16	1 7/16	1/8	1.171	0.012	0.139	0.004	0.062	29.74	0.30	3.53	0.1	2-217
2-218	-218	1 1/4	1 1/2	1/8	1.234	0.012	0.139	0.004	0.065	31.34	0.30	3.53	0.1	2-218
2-219	-219	1 5/16	1 9/16	1/8	1.296	0.012	0.139	0.004	0.068	32.92	0.30	3.53	0.1	2-219
2-220	-220	1 3/8	1 5/8	1/8	1.359	0.012	0.139	0.004	0.071	34.52	0.30	3.53	0.1	2-220
2-221	-221	1 7/16	1 11/16	1/8	1.421	0.012	0.139	0.004	0.074	36.09	0.30	3.53	0.1	2-221
2-222	-222	1 1/2	1 3/4	1/8	1.484	0.015	0.139	0.004	0.077	37.69	0.38	3.53	0.1	2-222
2-223	-223	1 5/8	1 7/8	1/8	1.609	0.015	0.139	0.004	0.083	40.87	0.38	3.53	0.1	2-223
2-224	-224	1 3/4	2	1/8	1.734	0.015	0.139	0.004	0.089	44.04	0.38	3.53	0.1	2-224
2-225	-225	1 7/8	2 1/8	1/8	1.859	0.018	0.139	0.004	0.095	47.22	0.46	3.53	0.1	2-225
2-226	-226	2	2 1/4	1/8	1.984	0.018	0.139	0.004	0.101	50.39	0.46	3.53	0.1	2-226
2-227	-227	2 1/8	2 3/8	1/8	2.109	0.018	0.139	0.004	0.107	53.57	0.46	3.53	0.1	2-227
2-228	-228	2 1/4	2 1/2	1/8	2.234	0.020	0.139	0.004	0.113	56.74	0.51	3.53	0.1	2-228
2-229	-229	2 3/8	2 5/8	1/8	2.359	0.020	0.139	0.004	0.119	59.92	0.51	3.53	0.1	2-229
2-230	-230	2 1/2	2 3/4	1/8	2.484	0.020	0.139	0.004	0.125	63.09	0.51	3.53	0.1	2-230
2-231	-231	2 5/8	2 7/8	1/8	2.609	0.020	0.139	0.004	0.131	66.27	0.51	3.53	0.1	2-231
2-232	-232	2 3/4	3	1/8	2.734	0.024	0.139	0.004	0.137	69.44	0.61	3.53	0.1	2-232
2-233	-233	2 7/8	3 1/8	1/8	2.859	0.024	0.139	0.004	0.143	72.62	0.61	3.53	0.1	2-233
2-234	-234	3	3 1/4	1/8	2.984	0.024	0.139	0.004	0.149	75.79	0.61	3.53	0.1	2-234
2-235	-235	3 1/8	3 3/8	1/8	3.109	0.024	0.139	0.004	0.155	78.97	0.61	3.53	0.1	2-235
2-236	-236	3 1/4	3 1/2	1/8	3.234	0.024	0.139	0.004	0.161	82.14	0.61	3.53	0.1	2-236
2-237	-237	3 3/8	3 5/8	1/8	3.359	0.024	0.139	0.004	0.167	85.32	0.61	3.53	0.1	2-237
2-238	-238	3 1/2	3 3/4	1/8	3.484	0.024	0.139	0.004	0.173	88.49	0.61	3.53	0.1	2-238
2-239	-239	3 5/8	3 7/8	1/8	3.609	0.028	0.139	0.004	0.179	91.67	0.71	3.53	0.1	2-239
2-240	-240	3 3/4	4	1/8	3.734	0.028	0.139	0.004	0.185	94.84	0.71	3.53	0.1	2-240
2-241	-241	3 7/8	4 1/8	1/8	3.859	0.028	0.139	0.004	0.191	98.02	0.71	3.53	0.1	2-241
2-242	-242	4	4 1/4	1/8	3.984	0.028	0.139	0.004	0.197	101.19	0.71	3.53	0.1	2-242
2-243	-243	4 1/8	4 3/8	1/8	4.109	0.028	0.139	0.004	0.203	104.37	0.71	3.53	0.1	2-243
2-244	-244	4 1/4	4 1/2	1/8	4.234	0.030	0.139	0.004	0.209	107.54	0.76	3.53	0.1	2-244
2-245	-245	4 3/8	4 5/8	1/8	4.359	0.030	0.139	0.004	0.214	110.72	0.76	3.53	0.1	2-245
2-246	-246	4 1/2	4 3/4	1/8	4.484	0.030	0.139	0.004	0.220	113.89	0.76	3.53	0.1	2-246
2-247	-247	4 5/8	4 7/8	1/8	4.609	0.030	0.139	0.004	0.226	117.07	0.76	3.53	0.1	2-247
2-248	-248	4 3/4	5	1/8	4.734	0.030	0.139	0.004	0.232	120.24	0.76	3.53	0.1	2-248
2-249	-249	4 7/8	5 1/8	1/8	4.859	0.035	0.139	0.004	0.238	123.42	0.89	3.53	0.1	2-249

PRICING TABLE

	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-206	0.10	0.15	0.75	0.95	2.15	0.70	0.55	0.70	2.10	1.50	1.70	O/R
-207	0.15	0.15	0.80	1.00	2.25	0.75	0.60	0.75	2.10	O/R	1.75	O/R
-208	0.15	0.20	0.80	1.05	2.30	0.75	0.65	0.80	2.15	1.50	1.80	O/R
-209	0.20	0.20	0.85	1.10	2.40	0.75	0.70	0.80	O/R	O/R	0.90	O/R
-210	0.20	0.25	0.95	1.20	2.60	0.75	0.70	0.85	2.25	1.55	0.95	0.45
-211	0.20	0.25	1.00	1.35	2.85	0.75	0.75	0.95	2.35	1.65	0.95	0.40
-212	0.20	0.25	1.15	1.55	3.35	0.80	0.80	1.00	2.40	2.00	1.00	0.40
-213	0.20	0.25	1.20	1.55	3.45	0.80	0.85	1.05	2.45	2.20	1.00	0.40
-214	0.20	0.25	1.30	1.55	3.65	0.80	0.90	1.25	2.50	2.25	1.05	0.40
-215	0.20	0.25	1.35	1.65	3.85	0.85	0.95	1.35	2.55	2.25	1.05	0.40
-216	0.20	0.30	1.45	1.80	4.05	0.85	1.10	1.45	2.65	2.50	1.10	0.40
-217	0.20	0.30	1.55	1.90	4.35	0.85	1.10	1.50	4.70	2.85	1.10	0.40
-218	0.20	0.30	1.60	1.95	4.55	0.95	1.20	1.55	2.80	3.15	1.15	0.40
-219	0.20	0.30	1.65	2.00	4.70	1.00	1.20	1.65	2.80	3.30	1.20	0.40
-220	0.20	0.30	1.75	2.25	4.95	1.00	1.30	1.70	2.90	3.40	1.20	0.40
-221	0.25	0.35	1.80	2.35	5.15	1.05	1.35	1.75	5.15	3.45	1.30	0.45
-222	0.25	0.35	1.85	2.50	5.30	1.05	1.45	1.85	3.05	3.70	1.35	0.45
-223	0.25	0.40	1.90	2.55	5.45	1.10	1.45	2.00	3.25	3.90	1.35	0.45
-224	0.25	0.40	2.00	2.60	5.65	1.30	1.70	2.10	3.40	4.25	1.40	0.45
-225	0.30	0.45	2.10	2.85	6.00	1.35	1.85	2.15	3.55	4.35	1.40	0.45
-226	0.35	0.45	2.30	3.00	6.55	1.50	2.05	2.50	3.70	4.70	1.45	0.45
-227	0.35	0.50	2.50	3.25	6.75	1.60	2.10	2.55	3.90	5.10	1.45	0.50
-228	0.35	0.50	2.60	3.40	7.40	1.65	2.25	2.55	4.10	6.20	1.85	0.50
-229	0.35	0.50	2.70	3.55	7.70	1.75	2.35	2.80	4.20	6.30	1.90	0.50
-230	0.35	0.50	2.85	3.70	8.10	1.80	2.60	2.85	4.30	6.35	1.90	0.50
-231	0.40	0.55	3.10	4.05	8.80	1.80	2.70	3.05	5.85	6.85	1.95	0.50
-232	0.40	0.55	3.30	4.30	9.35	2.10	2.75	3.25	4.55	7.45	2.00	0.50
-233	0.45	0.60	3.45	4.50	9.85	2.20	3.10	3.35	4.80	8.60	2.05	0.50
-234	0.45	0.65	3.55	4.60	10.05	2.40	3.25	3.40	4.90	8.75	2.10	0.55
-235	0.50	0.65	3.85	5.00	10.90	2.50	3.45	3.75	5.00	8.95	2.15	0.55
-236	0.50	0.70	3.90	5.10	11.10	2.65	3.70	3.85	5.25	9.10	2.25	0.55
-237	0.50	0.70	3.95	5.15	11.25	2.65	3.70	3.95	5.50	9.35	2.75	0.55
-238	0.50	0.70	4.10	5.35	11.60	2.75	3.95	4.05	5.90	9.65	2.80	0.70
-239	0.55	0.70	4.35	5.65	12.30	2.95	3.75	4.40	16.10	10.00	2.90	0.75
-240	0.55	0.80	4.40	5.70	12.50	3.00	3.80	4.60	6.60	11.05	3.00	0.80
-241	0.65	0.85	4.60	5.95	13.05	3.10	3.80	4.65	6.95	11.45	3.80	0.85
-242	0.65	0.85	4.70	6.05	13.20	3.20	4.00	4.70	26.55	11.70	4.05	0.85
-243	0.70	1.00	5.05	6.55	14.25	3.55	4.05	5.15	26.60	13.95	4.55	0.90
-244	0.70	1.05	5.15	6.75	14.60	3.80	4.15	5.30	8.25	14.10	4.90	0.95
-245	0.85	1.20	5.35	6.95	15.15	3.95	5.30	5.60	8.60	14.30	5.20	0.95
-246	0.85	1.20	5.55	7.15	15.65	4.35	5.00	6.50	27.00	14.30	5.40	1.00
-247	0.85	1.25	5.70	7.30	16.20	4.40	5.15	6.60	27.15	14.35	5.70	1.05
-248	0.95	1.35	5.85	7.60	16.55	4.95	5.40	6.65	9.70	15.30	6.05	1.35
-249	1.00	1.45	6.00	7.75	16.90	5.25	5.50	6.65	9.90	15.55	6.40	1.45

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (250....317)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-250	-250	5	5 1/4	1/8	4.984	0.035	0.139	0.004	0.244	126.59	0.89	3.53	0.1	2-250
2-251	-251	5 1/8	5 3/8	1/8	5.109	0.035	0.139	0.004	0.250	129.77	0.89	3.53	0.1	2-251
2-252	-252	5 1/4	5 1/2	1/8	5.234	0.035	0.139	0.004	0.256	132.94	0.89	3.53	0.1	2-252
2-253	-253	5 3/8	5 5/8	1/8	5.359	0.035	0.139	0.004	0.262	136.12	0.89	3.53	0.1	2-253
2-254	-254	5 1/2	5 3/4	1/8	5.484	0.035	0.139	0.004	0.268	139.29	0.89	3.53	0.1	2-254
2-255	-255	5 5/8	5 7/8	1/8	5.609	0.035	0.139	0.004	0.274	142.47	0.89	3.53	0.1	2-255
2-256	-256	5 3/4	6	1/8	5.734	0.035	0.139	0.004	0.280	145.64	0.89	3.53	0.1	2-256
2-257	-257	5 7/8	6 1/8	1/8	5.859	0.035	0.139	0.004	0.286	148.82	0.89	3.53	0.1	2-257
2-258	-258	6	6 1/4	1/8	5.984	0.035	0.139	0.004	0.292	151.99	0.89	3.53	0.1	2-258
2-259	-259	6 1/4	6 1/2	1/8	6.234	0.040	0.139	0.004	0.304	158.34	1.02	3.53	0.1	2-259
2-260	-260	6 1/2	6 3/4	1/8	6.484	0.040	0.139	0.004	0.316	164.69	1.02	3.53	0.1	2-260
2-261	-261	6 3/4	7	1/8	6.734	0.040	0.139	0.004	0.328	171.04	1.02	3.53	0.1	2-261
2-262	-262	7	7 1/4	1/8	6.984	0.040	0.139	0.004	0.340	177.39	1.02	3.53	0.1	2-262
2-263	-263	7 1/4	7 1/2	1/8	7.234	0.045	0.139	0.004	0.352	183.74	1.14	3.53	0.1	2-263
2-264	-264	7 1/2	7 3/4	1/8	7.484	0.045	0.139	0.004	0.363	190.09	1.14	3.53	0.1	2-264
2-265	-265	7 3/4	8	1/8	7.734	0.045	0.139	0.004	0.375	196.40	1.14	3.53	0.1	2-265
2-266	-266	8	8 1/4	1/8	7.984	0.045	0.139	0.004	0.387	202.79	1.14	3.53	0.1	2-266
2-267	-267	8 1/4	8 1/2	1/8	8.234	0.050	0.139	0.004	0.399	209.14	1.27	3.53	0.1	2-267
2-268	-268	8 1/2	8 3/4	1/8	8.484	0.050	0.139	0.004	0.411	215.49	1.27	3.53	0.1	2-268
2-269	-269	8 3/4	9	1/8	8.734	0.050	0.139	0.004	0.423	221.84	1.27	3.53	0.1	2-269
2-270	-270	9	9 1/4	1/8	8.984	0.050	0.139	0.004	0.435	228.19	1.27	3.53	0.1	2-270
2-271	-271	9 1/4	9 1/2	1/8	9.234	0.055	0.139	0.004	0.447	234.54	1.40	3.53	0.1	2-271
2-272	-272	9 1/2	9 3/4	1/8	9.484	0.055	0.139	0.004	0.459	240.89	1.40	3.53	0.1	2-272
2-273	-273	9 3/4	10	1/8	9.734	0.055	0.139	0.004	0.471	247.24	1.40	3.53	0.1	2-273
2-274	-274	10	10 1/4	1/8	9.984	0.055	0.139	0.004	0.483	253.59	1.40	3.53	0.1	2-274
2-275	-275	10 1/2	10 3/4	1/8	10.484	0.055	0.139	0.004	0.506	266.29	1.40	3.53	0.1	2-275
2-276	-276	11	11 1/4	1/8	10.984	0.065	0.139	0.004	0.530	278.99	1.65	3.53	0.1	2-276
2-277	-277	11 1/2	11 3/4	1/8	11.484	0.065	0.139	0.004	0.554	291.69	1.65	3.53	0.1	2-277
2-278	-278	12	12 1/4	1/8	11.984	0.065	0.139	0.004	0.578	304.39	1.65	3.53	0.1	2-278
2-279	-279	13	13 1/4	1/8	12.984	0.065	0.139	0.004	0.626	329.79	1.65	3.53	0.1	2-279
2-280	-280	14	14 1/4	1/8	13.984	0.065	0.139	0.004	0.673	355.19	1.65	3.53	0.1	2-280
2-281	-281	15	15 1/4	1/8	14.984	0.065	0.139	0.004	0.721	380.59	1.65	3.53	0.1	2-281
2-282	-282	16	16 1/4	1/8	15.955	0.075	0.139	0.004	0.767	405.26	1.91	3.53	0.1	2-282
2-283	-283	17	17 1/4	1/8	16.955	0.080	0.139	0.004	0.815	430.66	2.03	3.53	0.1	2-283
2-284	-284	18	18 1/4	1/8	17.955	0.085	0.139	0.004	0.863	456.06	2.16	3.53	0.1	2-284
2-309	-309	7/16	13/16	3/16	0.412	0.005	0.210	0.005	0.068	10.46	0.13	5.33	0.13	2-309
2-310	-310	1/2	7/8	3/16	0.475	0.005	0.210	0.005	0.075	12.07	0.13	5.33	0.13	2-310
2-311	-311	9/16	15/16	3/16	0.537	0.007	0.210	0.005	0.081	13.64	0.18	5.33	0.13	2-311
2-312	-312	5/8	1	3/16	0.600	0.009	0.210	0.005	0.088	15.24	0.23	5.33	0.13	2-312
2-313	-313	11/16	1 1/16	3/16	0.662	0.009	0.210	0.005	0.095	16.81	0.23	5.33	0.13	2-313
2-314	-314	3/4	1 1/8	3/16	0.725	0.010	0.210	0.005	0.102	18.42	0.25	5.33	0.13	2-314
2-315	-315	13/16	1 3/16	3/16	0.787	0.010	0.210	0.005	0.109	19.99	0.25	5.33	0.13	2-315
2-316	-316	7/8	1 1/4	3/16	0.850	0.010	0.210	0.005	0.115	21.59	0.25	5.33	0.13	2-316
2-317	-317	15/16	1 5/16	3/16	0.912	0.010	0.210	0.005	0.122	23.16	0.25	5.33	0.13	2-317

PRICING TABLE

	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-250	1.05	1.55	6.10	7.90	17.25	5.60	5.65	8.80	27.25	15.90	6.85	1.50
-251	1.15	1.65	6.20	8.05	17.60	5.80	5.75	8.90	10.20	16.15	7.10	1.55
-252	1.25	1.70	6.35	8.20	17.95	6.10	5.80	8.90	10.80	17.50	7.35	1.65
-253	1.25	1.70	6.40	8.30	18.10	6.60	5.85	9.10	11.40	17.85	7.50	1.70
-254	1.25	1.75	6.55	8.45	18.45	6.75	5.95	9.40	27.60	18.85	7.70	2.30
-255	1.30	1.75	6.65	8.60	18.80	7.00	6.00	9.90	28.15	19.00	7.90	2.35
-256	1.35	1.85	7.55	9.65	21.10	7.10	6.45	10.30	30.70	19.55	8.15	2.45
-257	1.45	1.90	7.75	9.90	21.65	7.20	6.50	10.40	55.90	19.85	8.55	2.55
-258	1.45	1.95	7.85	10.10	22.00	7.35	6.60	10.55	56.20	22.35	9.05	2.60
-259	1.50	2.00	8.15	10.45	22.85	7.65	6.90	11.15	56.75	22.50	9.35	2.70
-260	1.60	2.15	8.35	10.70	23.35	7.65	6.95	11.85	57.20	22.75	11.90	2.80
-261	1.60	2.30	8.55	10.95	23.90	8.20	8.35	12.55	60.05	23.15	13.10	O/R
-262	1.70	2.55	9.05	11.55	25.30	9.20	9.00	14.40	60.80	27.70	14.75	O/R
-263	1.85	2.80	9.45	12.00	26.35	9.45	9.15	14.70	61.55	28.55	15.35	O/R
-264	1.90	2.85	9.70	12.35	27.05	10.90	9.30	16.40	62.15	28.65	16.05	O/R
-265	1.95	2.90	9.85	12.55	27.60	10.90	10.35	16.75	64.70	28.75	16.60	O/R
-266	2.25	3.15	10.40	13.75	29.00	11.70	10.45	17.75	65.55	29.20	17.50	O/R
-267	2.35	3.25	10.50	14.20	29.35	12.15	10.50	18.50	66.35	35.00	19.10	O/R
-268	2.40	3.35	10.70	14.45	29.90	12.60	10.60	19.10	73.80	35.45	20.30	O/R
-269	2.60	3.55	11.10	15.00	31.10	13.20	10.85	19.85	67.35	38.45	21.40	O/R
-270	2.70	3.70	11.45	15.55	32.00	13.45	11.60	20.45	67.70	38.80	22.80	O/R
-271	2.80	3.80	11.80	16.10	33.05	13.65	11.75	21.90	68.15	41.05	23.65	O/R
-272	2.90	4.00	12.25	16.70	34.25	14.25	12.65	22.50	68.85	44.25	24.40	O/R
-273	2.95	4.05	12.80	17.20	35.85	13.55	13.45	24.00	74.10	44.35	25.35	O/R
-274	3.15	4.40	13.80	18.35	38.65	15.60	15.25	24.60	77.20	49.80	26.20	O/R
-275	3.15	4.55	14.05	18.90	39.35	19.60	15.40	25.20	80.15	57.55	27.85	O/R
-276	4.05	5.00	14.45	19.45	40.05	25.95	15.55	31.70	83.15	59.50	28.70	O/R
-277	4.35	5.50	14.95	20.00	41.50	28.50	16.00	32.05	86.15	63.80	O/R	O/R
-278	5.05	6.40	15.20	20.55	42.20	29.45	16.40	32.45	89.30	65.70	O/R	4.25
-279	5.20	6.75	16.15	21.10	44.80	29.95	16.90	37.05	93.55	89.20	O/R	4.35
-280	5.20	6.85	18.05	23.90	50.10	30.30	18.10	37.80	97.85	91.55	O/R	4.45
-281	5.40	6.90	20.25	26.10	56.25	33.45	19.30	38.50	106.95	119.55	O/R	4.55
-282	5.40	7.00	21.50	27.80	59.75	36.05	19.85	42.90	O/R	O/R	O/R	O/R
-283	5.60	7.15	23.25	30.00	64.50	38.15	21.40	44.90	O/R	O/R	O/R	O/R
-284	7.70	10.20	23.95	30.55	66.40	39.30	21.80	46.60	O/R	O/R	O/R	O/R
-309	0.20	0.30	1.25	1.60	3.55	0.80	1.10	1.10	O/R	O/R	O/R	O/R
-310	0.20	0.30	1.50	2.00	4.30	0.80	1.25	1.15	O/R	O/R	O/R	O/R
-311	0.25	0.30	1.80	2.35	5.05	0.80	1.35	1.20	O/R	O/R	O/R	O/R
-312	0.25	0.30	1.95	2.55	5.55	0.85	1.45	1.30	O/R	O/R	O/R	O/R
-313	0.25	0.30	2.10	2.75	6.00	0.85	1.55	1.45	O/R	O/R	2.45	O/R
-314	0.25	0.35	2.25	2.95	6.45	0.85	1.65	1.80	O/R	O/R	2.50	O/R
-315	0.25	0.40	2.30	3.00	6.55	0.85	1.75	1.90	O/R	O/R	2.55	O/R
-316	0.30	0.40	2.40	3.15	6.85	0.95	1.80	2.00	O/R	O/R	2.60	O/R
-317	0.30	0.40	2.45	3.20	7.05	0.95	1.95	2.10	O/R	O/R	2.65	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (318....361)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-318	-318	1	1 3/8	3/16	0.975	0.010	0.210	0.005	0.129	24.77	0.25	5.33	0.13	2-318
2-319	-319	1 1/16	1 7/16	3/16	1.037	0.010	0.210	0.005	0.136	26.34	0.25	5.33	0.13	2-319
2-320	-320	1 1/8	1 1/2	3/16	1.100	0.012	0.210	0.005	0.143	27.94	0.30	5.33	0.13	2-320
2-321	-321	1 3/16	1 9/16	3/16	1.162	0.012	0.210	0.005	0.149	29.51	0.30	5.33	0.13	2-321
2-322	-322	1 1/4	1 5/8	3/16	1.225	0.012	0.210	0.005	0.156	31.12	0.30	5.33	0.13	2-322
2-323	-323	1 5/16	1 11/16	3/16	1.287	0.012	0.210	0.005	0.163	32.69	0.30	5.33	0.13	2-323
2-324	-324	1 3/8	1 3/4	3/16	1.350	0.012	0.210	0.005	0.170	34.29	0.30	5.33	0.13	2-324
2-325	-325	1 1/2	1 7/8	3/16	1.475	0.015	0.210	0.005	0.183	37.47	0.38	5.33	0.13	2-325
2-326	-326	1 5/8	2	3/16	1.600	0.015	0.210	0.005	0.197	40.64	0.38	5.33	0.13	2-326
2-327	-327	1 3/4	2 1/8	3/16	1.725	0.015	0.210	0.005	0.211	43.82	0.38	5.33	0.13	2-327
2-328	-328	1 7/8	2 1/4	3/16	1.850	0.015	0.210	0.005	0.224	46.99	0.38	5.33	0.13	2-328
2-329	-329	2	2 3/8	3/16	1.975	0.018	0.210	0.005	0.238	50.17	0.46	5.33	0.13	2-329
2-330	-330	2 1/8	2 1/2	3/16	2.100	0.018	0.210	0.005	0.251	53.34	0.46	5.33	0.13	2-330
2-331	-331	2 1/4	2 5/8	3/16	2.225	0.018	0.210	0.005	0.265	56.52	0.46	5.33	0.13	2-331
2-332	-332	2 3/8	2 3/4	3/16	2.350	0.018	0.210	0.005	0.279	59.69	0.46	5.33	0.13	2-332
2-333	-333	2 1/2	2 7/8	3/16	2.475	0.020	0.210	0.005	0.292	62.87	0.51	5.33	0.13	2-333
2-334	-334	2 5/8	3	3/16	2.600	0.020	0.210	0.005	0.306	66.04	0.51	5.33	0.13	2-334
2-335	-335	2 3/4	3 1/8	3/16	2.725	0.020	0.210	0.005	0.319	69.22	0.51	5.33	0.13	2-335
2-336	-336	2 7/8	3 1/4	3/16	2.850	0.020	0.210	0.005	0.333	72.39	0.51	5.33	0.13	2-336
2-337	-337	3	3 3/8	3/16	2.975	0.024	0.210	0.005	0.347	75.57	0.61	5.33	0.13	2-337
2-338	-338	3 1/8	3 1/2	3/16	3.100	0.024	0.210	0.005	0.360	78.74	0.61	5.33	0.13	2-338
2-339	-339	3 1/4	3 5/8	3/16	3.225	0.024	0.210	0.005	0.374	81.92	0.61	5.33	0.13	2-339
2-340	-340	3 3/8	3 3/4	3/16	3.350	0.024	0.210	0.005	0.387	85.09	0.61	5.33	0.13	2-340
2-341	-341	3 1/2	3 7/8	3/16	3.475	0.024	0.210	0.005	0.401	88.27	0.61	5.33	0.13	2-341
2-342	-342	3 5/8	4	3/16	3.600	0.028	0.210	0.005	0.415	91.44	0.71	5.33	0.13	2-342
2-343	-343	3 3/4	4 1/8	3/16	3.725	0.028	0.210	0.005	0.428	94.62	0.71	5.33	0.13	2-343
2-344	-344	3 7/8	4 1/4	3/16	3.850	0.028	0.210	0.005	0.442	97.79	0.71	5.33	0.13	2-344
2-345	-345	4	4 3/8	3/16	3.975	0.028	0.210	0.005	0.455	100.97	0.71	5.33	0.13	2-345
2-346	-346	4 1/8	4 1/2	3/16	4.100	0.028	0.210	0.005	0.469	104.14	0.71	5.33	0.13	2-346
2-347	-347	4 1/4	4 5/8	3/16	4.225	0.030	0.210	0.005	0.483	107.32	0.76	5.33	0.13	2-347
2-348	-348	4 3/8	4 3/4	3/16	4.350	0.030	0.210	0.005	0.496	110.49	0.76	5.33	0.13	2-348
2-349	-349	4 1/2	4 7/8	3/16	4.475	0.030	0.210	0.005	0.510	113.67	0.76	5.33	0.13	2-349
2-350	-350	4 5/8	5	3/16	4.600	0.030	0.210	0.005	0.523	116.84	0.76	5.33	0.13	2-350
2-351	-351	4 3/4	5 1/8	3/16	4.725	0.030	0.210	0.005	0.537	120.02	0.76	5.33	0.13	2-351
2-352	-352	4 7/8	5 1/4	3/16	4.850	0.030	0.210	0.005	0.551	123.19	0.76	5.33	0.13	2-352
2-353	-353	5	5 3/8	3/16	4.975	0.037	0.210	0.005	0.564	126.37	0.94	5.33	0.13	2-353
2-354	-354	5 1/8	5 1/2	3/16	5.100	0.037	0.210	0.005	0.578	129.54	0.94	5.33	0.13	2-354
2-355	-355	5 1/4	5 5/8	3/16	5.225	0.037	0.210	0.005	0.591	132.72	0.94	5.33	0.13	2-355
2-356	-356	5 3/8	5 3/4	3/16	5.350	0.037	0.210	0.005	0.605	135.89	0.94	5.33	0.13	2-356
2-357	-357	5 1/2	5 7/8	3/16	5.475	0.037	0.210	0.005	0.619	139.07	0.94	5.33	0.13	2-357
2-358	-358	5 5/8	6	3/16	5.600	0.037	0.210	0.005	0.632	142.24	0.94	5.33	0.13	2-358
2-359	-359	5 3/4	6 1/8	3/16	5.725	0.037	0.210	0.005	0.646	145.42	0.94	5.33	0.13	2-359
2-360	-360	5 7/8	6 1/4	3/16	5.850	0.037	0.210	0.005	0.659	148.59	0.94	5.33	0.13	2-360
2-361	-361	6	6 3/8	3/16	5.975	0.037	0.210	0.005	0.673	151.77	0.94	5.33	0.13	2-361

PRICING TABLE

	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-318	0.30	0.40	2.50	3.30	7.25	1.00	2.10	2.90	2.75	O/R	2.70	O/R
-319	0.30	0.45	2.65	3.50	7.55	1.05	2.20	3.00	2.80	O/R	2.75	O/R
-320	0.30	0.50	2.75	3.65	7.95	1.10	2.35	3.15	O/R	5.30	2.80	O/R
-321	0.35	0.50	2.90	3.80	8.30	1.20	2.55	3.25	2.95	O/R	2.85	O/R
-322	0.35	0.50	3.05	3.95	8.60	1.25	2.65	3.40	3.00	O/R	2.90	O/R
-323	0.40	0.55	3.10	4.05	8.80	1.30	2.65	3.50	O/R	O/R	2.95	O/R
-324	0.40	0.55	3.25	4.20	9.15	1.35	2.75	3.60	O/R	6.10	2.95	O/R
-325	0.40	0.55	3.30	4.30	9.35	1.40	2.95	3.80	6.10	6.35	2.95	0.90
-326	0.40	0.55	3.35	4.35	9.50	1.50	3.20	3.85	3.50	6.70	3.00	0.90
-327	0.40	0.60	3.45	4.50	9.85	1.60	3.55	3.90	3.75	7.30	3.00	0.90
-328	0.45	0.70	3.65	4.75	10.40	1.65	3.85	3.90	4.00	7.45	3.05	0.95
-329	0.50	0.70	4.05	5.25	11.45	1.90	4.00	4.05	11.25	7.75	3.10	0.95
-330	0.50	0.75	4.25	5.55	12.15	1.95	4.20	4.10	4.35	8.30	3.10	0.95
-331	0.55	0.80	4.50	5.90	12.85	2.00	4.55	4.10	5.00	9.30	3.15	0.95
-332	0.55	0.80	4.70	6.15	13.40	2.15	4.80	4.35	5.15	9.75	3.15	0.95
-333	0.55	0.80	5.00	6.55	14.25	2.15	4.90	4.55	5.25	10.25	3.20	1.00
-334	0.65	0.90	5.20	6.75	14.75	2.40	5.10	4.70	5.50	13.25	3.25	1.00
-335	0.70	0.95	5.55	7.25	15.85	2.65	5.45	5.05	18.85	13.30	3.25	1.00
-336	0.70	1.00	6.10	7.85	17.05	2.70	5.80	5.20	6.05	13.50	3.25	1.00
-337	0.80	1.10	6.40	8.20	17.95	2.80	6.00	5.35	6.15	14.30	3.30	1.00
-338	0.80	1.10	6.80	8.70	19.00	2.90	6.10	5.70	6.65	14.90	3.40	1.05
-339	0.85	1.20	7.25	9.25	20.25	3.10	6.45	5.90	19.75	15.15	3.45	1.05
-340	0.85	1.20	7.45	9.60	20.95	3.25	6.65	6.20	7.50	15.20	3.55	1.10
-341	0.95	1.30	7.65	9.85	21.45	3.40	6.85	6.55	20.20	16.55	3.60	1.40
-342	1.00	1.35	7.80	10.00	21.80	3.60	7.05	6.65	8.35	16.90	3.80	1.45
-343	1.05	1.40	7.95	10.15	22.15	3.70	7.40	6.75	34.20	17.40	4.05	1.50
-344	1.15	1.60	8.15	10.45	22.85	4.10	7.70	7.10	9.55	17.85	4.45	1.55
-345	1.20	1.65	8.40	10.80	23.55	4.20	7.80	7.70	9.80	18.20	4.80	1.55
-346	1.25	1.75	8.60	11.00	24.10	4.20	8.35	7.80	10.40	19.45	5.05	1.60
-347	1.25	1.75	8.75	11.10	24.45	4.25	8.40	7.95	10.90	20.10	5.35	1.65
-348	1.30	1.85	8.80	11.25	24.60	4.65	8.55	8.10	11.45	20.35	5.70	1.70
-349	1.35	1.90	8.90	11.35	24.95	5.05	8.80	8.20	11.50	20.45	5.90	1.75
-350	1.35	1.90	9.10	11.70	25.50	5.20	9.10	9.60	11.50	O/R	6.65	1.85
-351	1.45	2.00	9.60	12.25	26.90	5.25	9.65	10.60	44.35	O/R	6.75	1.95
-352	1.50	2.10	10.05	12.80	28.10	5.80	9.80	11.00	O/R	O/R	7.45	2.00
-353	1.55	2.15	10.40	13.25	29.00	6.35	9.90	11.40	O/R	O/R	8.10	2.80
-354	1.60	2.25	10.70	13.70	29.90	6.45	10.05	12.00	O/R	O/R	O/R	3.00
-355	1.65	2.30	11.15	14.25	31.25	7.20	10.20	12.35	O/R	O/R	O/R	3.35
-356	1.70	2.40	11.30	14.35	31.65	7.45	10.55	12.75	O/R	O/R	O/R	3.70
-357	1.70	2.45	11.35	14.45	31.80	7.55	10.70	13.00	15.25	O/R	9.90	4.05
-358	1.75	2.50	11.45	14.55	32.00	7.65	10.85	13.25	O/R	O/R	O/R	4.40
-359	1.85	2.55	11.60	14.90	32.50	7.80	10.90	13.45	O/R	O/R	O/R	4.75
-360	1.90	2.60	11.90	15.15	33.20	7.85	11.90	13.85	O/R	O/R	12.80	7.15
-361	1.95	2.70	12.70	16.00	35.15	7.85	13.60	14.30	O/R	48.70	O/R	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (362....409)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-362	-362	6 1/4	6 5/8	3/16	6.225	0.040	0.210	0.005	0.700	158.12	1.02	5.33	0.13	2-362
2-363	-363	6 1/2	6 7/8	3/16	6.475	0.040	0.210	0.005	0.727	164.47	1.02	5.33	0.13	2-363
2-364	-364	6 3/4	7 1/8	3/16	6.725	0.040	0.210	0.005	0.755	170.82	1.02	5.33	0.13	2-364
2-365	-365	7	7 3/8	3/16	6.975	0.040	0.210	0.005	0.782	177.17	1.02	5.33	0.13	2-365
2-366	-366	7 1/4	7 5/8	3/16	7.225	0.045	0.210	0.005	0.809	183.52	1.14	5.33	0.13	2-366
2-367	-367	7 1/2	7 7/8	3/16	7.475	0.045	0.210	0.005	0.836	189.87	1.14	5.33	0.13	2-367
2-368	-368	7 3/4	8 1/8	3/16	7.725	0.045	0.210	0.005	0.863	196.22	1.14	5.33	0.13	2-368
2-369	-369	8	8 3/8	3/16	7.975	0.045	0.210	0.005	0.891	202.57	1.14	5.33	0.13	2-369
2-370	-370	8 1/4	8 5/8	3/16	8.225	0.050	0.210	0.005	0.918	208.92	1.27	5.33	0.13	2-370
2-371	-371	8 1/2	8 7/8	3/16	8.475	0.050	0.210	0.005	0.945	215.27	1.27	5.33	0.13	2-371
2-372	-372	8 3/4	9 1/8	3/16	8.725	0.050	0.210	0.005	0.972	221.62	1.27	5.33	0.13	2-372
2-373	-373	9	9 3/8	3/16	8.975	0.050	0.210	0.005	0.999	227.97	1.27	5.33	0.13	2-373
2-374	-374	9 1/4	9 5/8	3/16	9.225	0.055	0.210	0.005	1.027	234.32	1.40	5.33	0.13	2-374
2-375	-375	9 1/2	9 7/8	3/16	9.475	0.055	0.210	0.005	1.054	240.67	1.40	5.33	0.13	2-375
2-376	-376	9 3/4	10 1/8	3/16	9.725	0.055	0.210	0.005	1.081	247.02	1.40	5.33	0.13	2-376
2-377	-377	10	10 3/8	3/16	9.975	0.055	0.210	0.005	1.108	253.37	1.40	5.33	0.13	2-377
2-378	-378	10 1/2	10 7/8	3/16	10.475	0.060	0.210	0.005	1.163	266.07	1.52	5.33	0.13	2-378
2-379	-379	11	11 3/8	3/16	10.975	0.060	0.210	0.005	1.217	278.77	1.52	5.33	0.13	2-379
2-380	-380	11 1/2	11 7/8	3/16	11.475	0.065	0.210	0.005	1.272	291.47	1.65	5.33	0.13	2-380
2-381	-381	12	12 3/8	3/16	11.975	0.065	0.210	0.005	1.326	304.17	1.65	5.33	0.13	2-381
2-382	-382	13	13 3/8	3/16	12.975	0.065	0.210	0.005	1.435	329.57	1.65	5.33	0.13	2-382
2-383	-383	14	14 3/8	3/16	13.975	0.070	0.210	0.005	1.544	354.97	1.78	5.33	0.13	2-383
2-384	-384	15	15 3/8	3/16	14.975	0.070	0.210	0.005	1.652	380.37	1.78	5.33	0.13	2-384
2-385	-385	16	16 3/8	3/16	15.955	0.075	0.210	0.005	1.759	405.26	1.91	5.33	0.13	2-385
2-386	-386	17	17 3/8	3/16	16.955	0.080	0.210	0.005	1.868	430.66	2.03	5.33	0.13	2-386
2-387	-387	18	18 3/8	3/16	17.955	0.085	0.210	0.005	1.977	456.06	2.16	5.33	0.13	2-387
2-388	-388	19	19 3/8	3/16	18.955	0.090	0.210	0.005	2.085	481.41	2.29	5.33	0.13	2-388
2-389	-389	20	20 3/8	3/16	19.955	0.095	0.210	0.005	2.194	506.81	2.41	5.33	0.13	2-389
2-390	-390	21	21 3/8	3/16	20.955	0.095	0.210	0.005	2.303	532.21	2.41	5.33	0.13	2-390
2-391	-391	22	22 3/8	3/16	21.955	0.100	0.210	0.005	2.412	557.61	2.54	5.33	0.13	2-391
2-392	-392	23	23 3/8	3/16	22.940	0.105	0.210	0.005	2.519	582.68	2.67	5.33	0.13	2-392
2-393	-393	24	24 3/8	3/16	23.940	0.110	0.210	0.005	2.628	608.08	2.79	5.33	0.13	2-393
2-394	-394	25	25 3/8	3/16	24.940	0.115	0.210	0.005	2.737	633.48	2.92	5.33	0.13	2-394
2-395	-395	26	26 3/8	3/16	25.940	0.120	0.210	0.005	2.845	658.88	3.05	5.33	0.13	2-395
2-400	-401	1 3/8	1 7/8	1/4	1.350	0.012	0.275	0.006	0.301	34.29	0.30	6.99	0.15	2-400
2-401	-402	1 1/2	2	1/4	1.475	0.015	0.275	0.006	0.324	37.47	0.38	6.99	0.15	2-401
2-402	-402	1 5/8	2 1/8	1/4	1.600	0.015	0.275	0.006	0.348	40.64	0.38	6.99	0.15	2-402
2-403	-403	1 3/4	2 1/4	1/4	1.725	0.015	0.275	0.006	0.371	43.82	0.38	6.99	0.15	2-403
2-404	-404	1 7/8	2 3/8	1/4	1.850	0.015	0.275	0.006	0.394	46.99	0.38	6.99	0.15	2-404
2-405	-405	2	2 1/2	1/4	1.975	0.018	0.275	0.006	0.417	50.17	0.46	6.99	0.15	2-405
2-406	-406	2 1/8	2 5/8	1/4	2.100	0.018	0.275	0.006	0.441	53.34	0.46	6.99	0.15	2-406
2-407	-407	2 1/4	2 3/4	1/4	2.225	0.018	0.275	0.006	0.464	56.52	0.46	6.99	0.15	2-407
2-408	-408	2 3/8	2 7/8	1/4	2.350	0.018	0.275	0.006	0.487	59.69	0.46	6.99	0.15	2-408
2-409	-409	2 1/2	3	1/4	2.475	0.020	0.275	0.006	0.511	62.87	0.51	6.99	0.15	2-409

PRICING TABLE

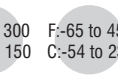
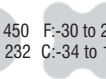
	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-362	2.05	2.80	13.50	17.20	37.45	8.65	13.90	14.95	17.90	56.20	13.75	O/R
-363	2.10	2.95	14.20	18.00	39.35	9.00	14.15	15.40	18.75	O/R	14.20	O/R
-364	2.15	3.00	14.55	18.45	40.40	9.20	15.05	16.70	O/R	O/R	O/R	O/R
-365	2.30	3.25	14.90	20.55	41.30	10.95	15.65	17.85	O/R	O/R	O/R	O/R
-366	2.40	3.35	15.35	21.10	42.50	11.05	15.70	18.00	O/R	O/R	O/R	O/R
-367	2.55	3.60	15.85	21.70	43.95	11.25	15.95	18.10	22.10	O/R	O/R	O/R
-368	2.65	3.75	16.15	22.20	44.80	11.85	16.35	19.85	O/R	O/R	O/R	O/R
-369	2.70	3.90	17.10	23.35	47.45	12.30	17.25	20.45	O/R	O/R	O/R	O/R
-370	2.90	4.10	17.40	23.90	48.30	12.85	17.35	20.90	O/R	O/R	O/R	O/R
-371	3.10	4.35	17.75	24.45	49.20	13.20	18.25	21.65	O/R	O/R	O/R	O/R
-372	3.15	4.50	18.05	25.00	50.10	13.45	18.65	22.00	O/R	O/R	O/R	O/R
-373	3.40	4.65	18.70	25.55	51.85	13.45	19.25	22.40	O/R	O/R	O/R	O/R
-374	3.60	4.80	19.00	26.10	52.70	14.05	19.85	22.65	O/R	O/R	29.65	O/R
-375	3.70	4.90	19.65	26.65	54.45	14.70	22.20	22.90	O/R	89.95	30.60	14.60
-376	3.80	5.00	20.15	27.80	55.35	15.05	22.25	23.15	O/R	O/R	O/R	15.10
-377	3.80	5.10	21.10	28.90	58.00	15.50	22.30	25.10	O/R	91.70	O/R	15.60
-378	4.35	5.40	23.65	31.65	65.00	24.85	23.00	37.80	O/R	O/R	O/R	16.05
-379	4.60	5.70	25.55	33.90	70.30	30.25	23.70	38.55	O/R	O/R	35.90	16.55
-380	5.05	6.25	28.75	36.65	79.05	30.50	25.15	39.05	O/R	O/R	O/R	17.05
-381	5.45	7.10	29.35	39.45	80.80	31.90	34.95	39.65	O/R	O/R	O/R	17.55
-382	6.00	7.65	33.50	42.20	92.20	33.20	35.35	45.40	O/R	O/R	40.45	18.05
-383	6.90	8.25	37.70	47.75	103.65	33.70	37.15	46.95	O/R	O/R	O/R	18.55
-384	7.10	8.90	38.30	48.85	105.40	34.05	40.05	48.05	O/R	O/R	O/R	19.05
-385	8.60	11.40	40.85	52.20	112.45	38.40	42.30	49.40	O/R	O/R	O/R	O/R
-386	8.60	11.80	43.15	54.40	117.70	39.60	44.70	54.00	O/R	O/R	O/R	O/R
-387	8.60	12.00	43.80	55.55	119.45	40.45	47.00	56.00	O/R	O/R	O/R	O/R
-388	8.85	12.20	44.45	56.65	121.20	44.35	48.25	57.45	O/R	O/R	O/R	O/R
-389	8.90	25.45	44.80	57.75	122.10	42.15	48.55	62.95	O/R	O/R	O/R	O/R
-390	9.80	26.05	45.75	58.85	124.70	49.00	50.95	65.05	O/R	O/R	O/R	O/R
-391	16.30	26.90	51.55	64.40	140.50	52.00	O/R	69.95	O/R	O/R	O/R	O/R
-392	17.05	28.55	54.75	69.40	149.30	55.05	O/R	74.95	O/R	O/R	O/R	O/R
-393	17.95	30.45	59.60	74.95	162.50	57.60	O/R	79.95	O/R	O/R	O/R	O/R
-394	19.20	31.90	60.85	77.75	166.00	60.45	O/R	84.95	O/R	O/R	O/R	O/R
-395	20.60	33.00	64.40	83.30	175.65	62.45	O/R	89.95	O/R	O/R	O/R	O/R
-400	3.35	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-401	3.35	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-402	3.50	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-403	3.50	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-404	3.90	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-405	3.90	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-406	4.05	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-407	4.05	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-408	4.45	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-409	4.45	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (410....453)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-410	-410	2 5/8	3 1/8	1/4	2.600	0.020	0.275	0.006	0.534	66.04	0.51	6.99	0.15	2-410
2-411	-411	2 3/4	3 1/4	1/4	2.725	0.020	0.275	0.006	0.557	69.22	0.51	6.99	0.15	2-411
2-412	-412	2 7/8	3 3/8	1/4	2.850	0.020	0.275	0.006	0.581	72.39	0.51	6.99	0.15	2-412
2-413	-413	3	3 1/2	1/4	2.975	0.024	0.275	0.006	0.604	75.57	0.61	6.99	0.15	2-413
2-414	-414	3 1/8	3 5/8	1/4	3.100	0.024	0.275	0.006	0.627	78.74	0.61	6.99	0.15	2-414
2-415	-415	3 1/4	3 3/4	1/4	3.225	0.024	0.275	0.006	0.651	81.92	0.61	6.99	0.15	2-415
2-416	-416	3 3/8	3 7/8	1/4	3.350	0.024	0.275	0.006	0.674	85.09	0.61	6.99	0.15	2-416
2-417	-417	3 1/2	4	1/4	3.475	0.024	0.275	0.006	0.697	88.27	0.61	6.99	0.15	2-417
2-418	-418	3 5/8	4 1/8	1/4	3.600	0.028	0.275	0.006	0.721	91.44	0.71	6.99	0.15	2-418
2-419	-419	3 3/4	4 1/4	1/4	3.725	0.028	0.275	0.006	0.744	94.62	0.71	6.99	0.15	2-419
2-420	-420	3 7/8	4 3/8	1/4	3.850	0.028	0.275	0.006	0.767	97.79	0.71	6.99	0.15	2-420
2-421	-421	4	4 1/2	1/4	3.975	0.028	0.275	0.006	0.791	100.97	0.71	6.99	0.15	2-421
2-422	-422	4 1/8	4 5/8	1/4	4.100	0.028	0.275	0.006	0.814	104.14	0.71	6.99	0.15	2-422
2-423	-423	4 1/4	4 3/4	1/4	4.225	0.030	0.275	0.006	0.837	107.32	0.76	6.99	0.15	2-423
2-424	-424	4 3/8	4 7/8	1/4	4.350	0.030	0.275	0.006	0.861	110.49	0.76	6.99	0.15	2-424
2-425	-425	4 1/2	5	1/4	4.475	0.033	0.275	0.006	0.886	113.67	0.84	6.99	0.15	2-425
2-426	-426	4 5/8	5 1/8	1/4	4.600	0.033	0.275	0.006	0.910	116.84	0.84	6.99	0.15	2-426
2-427	-427	4 3/4	5 1/4	1/4	4.725	0.033	0.275	0.006	0.933	120.02	0.84	6.99	0.15	2-427
2-428	-428	4 7/8	5 3/8	1/4	4.850	0.033	0.275	0.006	0.956	123.19	0.84	6.99	0.15	2-428
2-429	-429	5	5 1/2	1/4	4.975	0.037	0.275	0.006	0.980	126.37	0.94	6.99	0.15	2-429
2-430	-430	5 1/8	5 5/8	1/4	5.100	0.037	0.275	0.006	1.003	129.54	0.94	6.99	0.15	2-430
2-431	-431	5 1/4	5 3/4	1/4	5.225	0.037	0.275	0.006	1.026	132.72	0.94	6.99	0.15	2-431
2-432	-432	5 3/8	5 7/8	1/4	5.350	0.037	0.275	0.006	1.050	135.89	0.94	6.99	0.15	2-432
2-433	-433	5 1/2	6	1/4	5.475	0.037	0.275	0.006	1.073	139.07	0.94	6.99	0.15	2-433
2-434	-434	5 5/8	6 1/8	1/4	5.600	0.037	0.275	0.006	1.096	142.24	0.94	6.99	0.15	2-434
2-435	-435	5 3/4	6 1/4	1/4	5.725	0.037	0.275	0.006	1.120	145.42	0.94	6.99	0.15	2-435
2-436	-436	5 7/8	6 3/8	1/4	5.850	0.037	0.275	0.006	1.143	148.59	0.94	6.99	0.15	2-436
2-437	-437	6	6 1/2	1/4	5.975	0.037	0.275	0.006	1.166	151.77	0.94	6.99	0.15	2-437
2-438	-438	6 1/4	6 3/4	1/4	6.225	0.040	0.275	0.006	1.213	158.12	1.02	6.99	0.15	2-438
2-439	-439	6 1/2	7	1/4	6.475	0.040	0.275	0.006	1.260	164.47	1.02	6.99	0.15	2-439
2-440	-440	6 3/4	7 1/4	1/4	6.725	0.040	0.275	0.006	1.306	170.82	1.02	6.99	0.15	2-440
2-441	-441	7	7 1/2	1/4	6.975	0.040	0.275	0.006	1.353	177.17	1.02	6.99	0.15	2-441
2-442	-442	7 1/4	7 3/4	1/4	7.225	0.045	0.275	0.006	1.400	183.52	1.14	6.99	0.15	2-442
2-443	-443	7 1/2	8	1/4	7.475	0.045	0.275	0.006	1.446	189.87	1.14	6.99	0.15	2-443
2-444	-444	7 3/4	8 1/4	1/4	7.725	0.045	0.275	0.006	1.493	196.22	1.14	6.99	0.15	2-444
2-445	-445	8	8 1/2	1/4	7.975	0.045	0.275	0.006	1.539	202.57	1.14	6.99	0.15	2-445
2-446	-446	8 1/2	9	1/4	8.475	0.055	0.275	0.006	1.633	215.27	1.40	6.99	0.15	2-446
2-447	-447	9	9 1/2	1/4	8.975	0.055	0.275	0.006	1.726	227.97	1.40	6.99	0.15	2-447
2-448	-448	9 1/2	10	1/4	9.475	0.055	0.275	0.006	1.819	240.67	1.40	6.99	0.15	2-448
2-449	-449	10	10 1/2	1/4	9.975	0.055	0.275	0.006	1.913	253.37	1.40	6.99	0.15	2-449
2-450	-450	10 1/2	11	1/4	10.475	0.060	0.275	0.006	2.006	266.07	1.52	6.99	0.15	2-450
2-451	-451	11	11 1/2	1/4	10.975	0.060	0.275	0.006	2.099	278.77	1.52	6.99	0.15	2-451
2-452	-452	11 1/2	12	1/4	11.475	0.060	0.275	0.006	2.193	291.47	1.52	6.99	0.15	2-452
2-453	-453	12	12 1/2	1/4	11.975	0.060	0.275	0.006	2.286	304.17	1.52	6.99	0.15	2-453

PRICING TABLE

	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-410	4.85	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-411	4.85	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-412	5.25	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-413	5.25	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-414	5.60	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-415	5.60	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-416	6.05	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-417	6.05	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-418	6.40	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-419	6.40	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-420	6.85	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-421	6.85	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-422	7.10	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-423	7.10	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-424	7.30	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R	O/R
-425	1.75	2.30	13.50	18.35	37.80	6.15	13.90	11.10	56.10	28.40	8.05	3.65
-426	1.85	2.80	14.45	18.90	40.40	6.30	14.85	11.30	57.35	28.55	8.15	3.75
-427	1.95	3.00	15.05	19.45	42.20	6.35	15.30	11.50	59.15	31.25	8.30	3.85
-428	2.05	3.05	15.40	20.00	43.05	6.35	15.80	11.70	65.05	31.80	8.40	4.00
-429	2.05	3.10	16.30	21.10	45.70	6.75	15.90	11.95	66.00	34.35	8.55	4.10
-430	2.10	3.10	16.65	21.70	46.55	7.20	16.05	12.75	66.90	34.80	8.70	4.20
-431	2.30	3.15	17.25	22.20	48.30	7.25	16.80	12.85	68.10	37.30	8.80	4.35
-432	2.35	3.55	17.55	22.80	49.20	7.30	16.85	13.00	69.45	33.95	8.95	4.55
-433	2.50	3.80	18.20	23.35	50.95	7.50	17.00	13.10	70.10	41.15	9.05	4.70
-434	2.65	4.10	18.50	23.90	51.85	7.65	17.20	13.20	70.75	42.65	9.20	6.80
-435	2.75	4.20	18.80	24.45	52.70	7.85	17.60	13.30	71.65	42.85	9.30	7.05
-436	2.75	4.25	19.65	25.00	54.45	8.05	18.00	13.70	72.50	42.85	9.45	7.30
-437	2.80	4.35	19.95	25.55	55.35	8.95	19.20	15.30	75.40	42.85	12.50	7.55
-438	2.90	4.40	20.25	26.10	56.25	10.00	22.15	15.85	80.75	44.20	12.70	7.80
-439	3.00	4.60	20.90	26.65	58.00	10.60	22.20	16.35	81.60	44.45	13.00	8.05
-440	3.10	4.80	21.50	28.90	59.75	10.75	22.30	16.75	82.40	45.50	13.20	8.30
-441	3.25	5.00	22.45	30.55	62.35	12.40	22.70	19.75	83.25	53.80	13.40	8.55
-442	3.35	5.00	23.45	31.10	65.00	12.70	22.90	20.35	84.20	54.85	13.75	9.05
-443	3.55	5.40	24.40	31.65	67.65	12.85	24.25	20.65	92.15	54.95	13.95	9.55
-444	3.75	5.45	25.30	32.20	70.30	13.00	25.15	21.00	92.55	57.00	20.10	10.05
-445	3.90	5.70	26.60	33.90	73.80	13.40	25.60	21.30	94.35	58.00	20.20	10.85
-446	4.05	5.85	27.20	35.00	75.55	13.80	26.30	22.25	96.90	60.20	20.70	11.70
-447	4.40	5.90	27.85	35.55	77.30	13.85	28.10	23.40	99.50	69.60	21.20	12.50
-448	4.60	5.90	29.05	36.65	79.95	14.00	29.45	23.70	103.70	71.30	21.75	14.20
-449	4.70	6.40	30.95	40.00	85.20	16.45	36.60	25.95	106.90	O/R	22.80	15.85
-450	4.80	6.75	32.55	44.45	89.60	28.50	36.75	43.25	107.45	87.25	23.80	17.50
-451	5.25	7.85	35.15	47.75	96.60	32.45	51.05	43.80	112.00	O/R	24.85	19.15
-452	6.00	9.15	36.40	50.00	100.10	33.05	51.35	45.70	116.60	O/R	25.85	20.80
-453	6.45	9.50	38.95	50.55	107.30	33.25	51.70	46.40	117.50	O/R	28.95	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

SERIES 2-XXX O-RINGS
CROSS REFERENCE TABLE (454....475)

Reference Number	AS 568A Uniform Dash Number	NOMINAL SIZE Inches			STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Basic Volume (Cu.In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
		ID	OD	W	ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
2-454	-454	12 1/2	13	1/4	12.475	0.060	0.275	0.006	2.379	316.87	1.52	6.99	0.15	2-454
2-455	-455	13	13 1/2	1/4	12.975	0.060	0.275	0.006	2.472	329.57	1.52	6.99	0.15	2-455
2-456	-456	13 1/2	14	1/4	13.475	0.070	0.275	0.006	2.566	342.27	1.78	6.99	0.15	2-456
2-457	-457	14	14 1/2	1/4	13.975	0.070	0.275	0.006	2.659	654.97	1.78	6.99	0.15	2-457
2-458	-458	14 1/2	15	1/4	14.475	0.070	0.275	0.006	2.752	367.67	1.78	6.99	0.15	2-458
2-459	-459	15	15 1/2	1/4	14.975	0.070	0.275	0.006	2.846	380.37	1.78	6.99	0.15	2-459
2-460	-460	15 1/2	16	1/4	15.475	0.070	0.275	0.006	2.939	393.07	1.78	6.99	0.15	2-460
2-461	-461	16	16 1/2	1/4	15.955	0.075	0.275	0.006	3.029	405.26	1.91	6.99	0.15	2-461
2-462	-462	16 1/2	17	1/4	16.455	0.075	0.275	0.006	3.122	417.96	1.91	6.99	0.15	2-462
2-463	-463	17	17 1/2	1/4	16.955	0.080	0.275	0.006	3.215	430.66	2.03	6.99	0.15	2-463
2-464	-464	17 1/2	18	1/4	17.455	0.085	0.275	0.006	3.308	443.36	2.16	6.99	0.15	2-464
2-465	-465	18	18 1/2	1/4	17.955	0.085	0.275	0.006	3.402	456.06	2.16	6.99	0.15	2-465
2-466	-466	18 1/2	19	1/4	18.455	0.085	0.275	0.006	3.495	468.76	2.16	6.99	0.15	2-466
2-467	-467	19	19 1/2	1/4	18.955	0.090	0.275	0.006	3.588	481.46	2.29	6.99	0.15	2-467
2-468	-468	19 1/2	20	1/4	19.455	0.090	0.275	0.006	3.682	494.16	2.29	6.99	0.15	2-468
2-469	-469	20	20 1/2	1/4	19.955	0.095	0.275	0.006	3.775	506.86	2.41	6.99	0.15	2-469
2-470	-470	21	21 1/2	1/4	20.955	0.095	0.275	0.006	3.962	532.26	2.41	6.99	0.15	2-470
2-471	-471	22	22 1/2	1/4	21.955	0.100	0.275	0.006	4.148	557.66	2.54	6.99	0.15	2-471
2-472	-472	23	23 1/2	1/4	22.940	0.105	0.275	0.006	4.332	582.68	2.67	6.99	0.15	2-472
2-473	-473	24	24 1/2	1/4	23.940	0.110	0.275	0.006	4.519	608.08	2.79	6.99	0.15	2-473
2-474	-474	25	25 1/2	1/4	24.940	0.115	0.275	0.006	4.705	633.48	2.92	6.99	0.15	2-474
2-475	-475	26	26 1/2	1/4	25.940	0.120	0.275	0.006	4.892	658.88	3.05	6.99	0.15	2-475

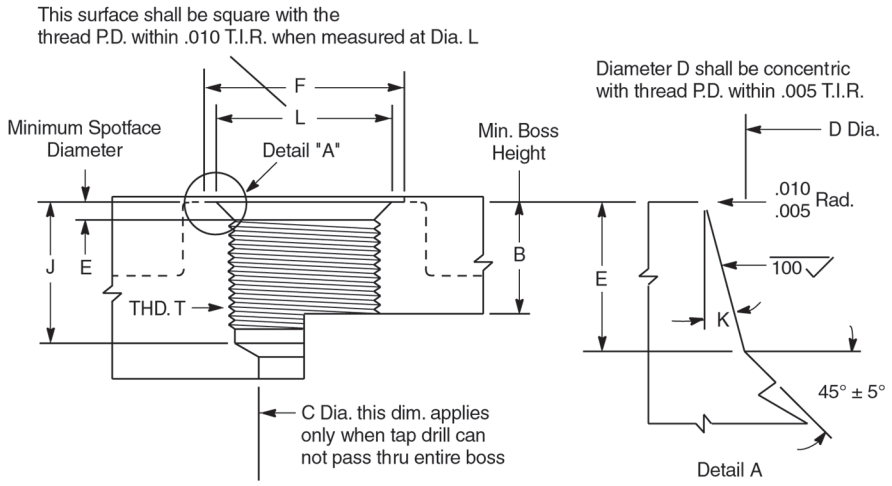
SERIES 2-XXX O-RINGS (454....475)

PRICING TABLE

	 F:-30 to 250 C:-34 to 121	 F:-30 to 250 C:-34 to 121	 F:-15 to 400 C:-26 to 205	 F:-15 to 400 C:-26 to 205	 F:25 to 450 C:-2 to 230	 F:-75 to 275 C:-57 to 135	 F:-40 to 300 C:-40 to 150	 F:-65 to 450 C:-54 to 232	 F:-60 TO 250 C:-51 to 121	 F:-320 to 450 C:-196 to 232	 F:-30 to 250 C:-34 to 121	 F:-65 to 225 C:-54 to 107
Ref. Dash Number	N1470 NBR 70 2-XXX $	N1490 NBR 90A 2-XXX $	*V1476 FPM 75A 2-XXX $	**V1412 FPM 90A 2-XXX $	AFLAS 75 AFLAS 75 2-XXX $	E0540 EPDM 80A 2-XXX $	HNBR70 HNBR 70 2-XXX $	S1224 SILICONE 2-XXX $	U90 AU 90A 2-XXX $	TF V.PTFE 2-XXX $	Q.RING NBR 70A 4-XXX $	TETRASEAL NBR 70A TS-XXX $
-454	6.75	10.50	40.20	51.65	108.30	34.10	52.00	52.00	121.35	O/R	30.90	O/R
-455	7.50	10.60	41.80	53.85	110.65	34.40	55.00	53.45	124.10	O/R	31.75	O/R
-456	7.60	10.75	43.75	55.55	120.35	34.90	56.40	54.05	126.75	O/R	32.65	O/R
-457	7.85	10.90	45.65	57.75	125.60	35.60	57.75	55.05	128.30	O/R	33.50	O/R
-458	8.05	11.00	48.20	61.05	132.60	36.10	60.75	56.00	131.95	O/R	O/R	O/R
-459	8.80	11.15	50.45	63.85	138.75	36.85	62.40	56.80	141.75	O/R	O/R	O/R
-460	9.20	11.90	52.80	66.65	144.05	38.05	64.05	57.95	144.30	O/R	62.30	O/R
-461	9.30	12.00	55.10	69.40	150.20	38.40	65.50	59.40	145.20	O/R	O/R	O/R
-462	9.55	12.75	57.95	73.30	158.10	39.15	66.90	60.90	O/R	O/R	O/R	O/R
-463	9.65	12.95	60.55	76.60	165.10	40.25	68.35	61.85	O/R	O/R	O/R	O/R
-464	9.80	13.25	61.85	77.75	168.60	41.35	69.00	62.85	O/R	O/R	81.40	O/R
-465	9.85	13.40	65.00	82.20	177.25	42.40	69.15	63.30	O/R	O/R	O/R	O/R
-466	10.15	13.75	67.60	85.50	184.45	42.90	70.00	63.70	O/R	O/R	O/R	O/R
-467	10.30	31.25	69.25	87.75	188.80	45.45	75.95	65.70	O/R	O/R	O/R	O/R
-468	10.50	31.65	72.45	91.60	197.60	47.15	80.60	67.00	O/R	O/R	O/R	O/R
-469	12.05	35.00	74.05	94.40	202.00	47.90	81.35	68.50	O/R	O/R	O/R	O/R
-470	12.30	35.45	76.35	97.15	206.35	49.35	82.10	71.05	O/R	O/R	O/R	O/R
-471	24.25	35.90	79.60	99.95	215.15	52.40	O/R	74.65	O/R	O/R	O/R	O/R
-472	24.95	37.85	81.25	102.70	219.55	55.05	O/R	79.95	O/R	O/R	O/R	O/R
-473	28.40	38.60	84.45	105.50	228.30	58.05	O/R	84.95	O/R	O/R	O/R	O/R
-474	31.05	48.30	87.70	111.05	237.10	60.90	O/R	89.95	O/R	O/R	O/R	O/R
-475	31.50	49.45	94.20	122.15	254.65	62.45	O/R	95.00	O/R	O/R	O/R	O/R

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

Design Table 4-7 — Tube Fitting Boss Seals



Finished tapered counterbore (Detail A) shall be be free from longitudinal and spiral tool ma rks. Annular tool marks up to 100 micro-inches maximum will be permissible.

Design Table 4-7 — Boss Dimensions for Industrial Straight Thread Tube Fittings

Parker O-ring Size No.	Actual O-Ring Dimensions W	Actual O-Ring Dimensions ID	Tube OD	Thread T		B Min. Thread Depth	C Min.	D +.005 -.000	E +.015 -.000	F Min.	J Min.	K ±1°	L Min.
3-902	.064 ± .003	.239 ± .005	1/8	5/16-24		.390	.062	.358	.074	.672	.468	12°	.438
3-903	.064 ± .003	.301 ± .005	3/16	3/8-24		.390	.125	.421	.074	.750	.468	12°	.500
3-904	.072 ± .003	.351 ± .005	1/4	7/16-20		.454	.172	.487	.093	.828	.547	12°	.563
3-905	.072 ± .003	.414 ± .005	5/16	1/2-20	UNF-2B	.454	.234	.550	.093	.969	.547	12°	.625
3-906	.078 ± .003	.468 ± .005	3/8	9/16-18		.500	.297	.616	.097	.909	.609	12°	.688
3-908	.087 ± .003	.644 ± .009	1/2	3/4-16		.562	.391	.811	.100	1.188	.688	15°	.875
3-910	.097 ± .003	.755 ± .009	5/8	7/8-14		.656	.484	.942	.100	1.344	.781	15°	1.000
3-912	.116 ± .004	.924 ± .009	3/4	1 1/16-12		.750	.609	1.148	.130	1.625	.906	15°	1.250
3-913	.116 ± .004	.986 ± .010	13/16										
3-914	.116 ± .004	1.047 ± .010	7/8	1 3-16-12		.750	.719	1.273	.130	1.765	.906	15°	1.375
3-916	.116 ± .004	1.171 ± .010	1	1 5/16-12	UN-2B	.750	.844	1.398	.130	1.910	.906	15°	1.500
3-918	.116 ± .004	1.355 ± .012	1 1/8										
3-920	.118 ± .004	1.475 ± .014	1 1/4	1 5/8-12		.750	1.078	1.713	.132	2.270	.906	15°	1.875
3-941	.118 ± .004	1.720 ± .014	1 1/2	1 7/8-12		.750	1.312	1.962	.132	2.560	.906	15°	2.125
3-932	.118 ± .004	2.337 ± .018	2	2 1/2-12		.750	1.781	2.587	.132	3.480	.906	15°	2.750

Design Table 4-7: Boss Dimensions for Industrial Straight Thread Tube Fitting O-ring Gaskets Per SAE J1926 and MS16142

3-XXX SERIES O'RINGS - CROSS REFERENCE TABLE

Reference Number	AS 568A Uniform Dash Number	Tube OD	STANDARD-O-RING-SIZE Inches Actual Per AS 568A				Cross Section Area (Sq. In.)	METRIC-O-RING SIZE Milimeters Actual Per AS 568A				Reference Number
			ID	Tolerance +/-	W	Tolerance +/-		ID	Tolerance +/-	W	Tolerance +/-	
3-903	-903	3/16	0.301	0.005	0.064	0.003	0.0032	7.65	0.13	1.63	0.08	3-903
3-904	-904	1/4	0.351	0.005	0.072	0.003	0.0041	8.92	0.13	1.83	0.08	3-904
3-905	-905	5/16	0.414	0.005	0.072	0.003	0.0041	10.52	0.13	1.83	0.08	3-905
3-906	-906	3/8	0.468	0.005	0.078	0.003	0.0048	11.89	0.13	1.98	0.08	3-906
3-907	-907	7/16	0.53	0.007	0.082	0.003	0.0053	13.46	0.18	2.08	0.08	3-907
3-908	-908	1/2	0.644	0.009	0.087	0.003	0.0059	16.36	0.23	2.21	0.08	3-908
3-909	-909	9/16	0.706	0.009	0.097	0.003	0.0074	17.93	0.23	2.46	0.08	3-909
3-910	-910	5/8	0.755	0.009	0.097	0.003	0.0074	19.18	0.23	2.46	0.08	3-910
3-911	-911	11/16	0.863	0.009	0.116	0.004	0.0106	21.92	0.23	2.95	0.1	3-911
3-912	-912	3/4	0.924	0.009	0.116	0.004	0.0106	23.47	0.23	2.95	0.1	3-912
3-913	-913	13/16	0.986	0.01	0.116	0.004	0.0106	25.04	0.26	2.95	0.1	3-913
3-914	-914	7/8	1.047	0.01	0.116	0.004	0.0106	26.59	0.26	2.95	0.1	3-914
3-916	-916	1	1.171	0.01	0.116	0.004	0.0106	29.74	0.26	2.95	0.1	3-916
3-918	-918	1 1/8	1.355	0.012	0.116	0.004	0.0106	34.42	0.3	2.95	0.1	3-918
3-920	-920	1 1/4	1.475	0.014	0.118	0.004	0.0109	37.47	0.36	3	0.1	3-920
3-924	-924	1 1/2	1.72	0.014	0.118	0.004	0.0109	43.69	0.36	3	0.1	3-924
3-928	-928	1 3/4	2.09	0.018	0.118	0.004	0.0109	53.09	0.46	3	0.1	3-928
3-932	-932	2	2.337	0.018	0.118	0.004	0.0109	59.36	0.46	3	0.1	3-932

	F:-30 to 250 C:-34 to 121	F:-30 to 250 C:-34 to 121	F:-15 to 400 C:-26 to 205	F:-15 to 400 C:-26 to 205	F:25 to 450 C:-2 to 230	F:-75 to 275 C:-57 to 135	F:-40 to 300 C:-40 to 150	F:-65 to 450 C:-54 to 232	F:-60 to 250 C:-51 to 121	F:-320 to 450 C:-196 to 232
Ref. Dash Number	N1470 NBR 70 3-XXX $	N1490 NBR 90A 3-XXX $	*V1476 FPM 75A 3-XXX $	**V1412 FPM 90A 3-XXX $	AFLAS 75 AFLAS 75 3-XXX $	E0540 EPDM 80A 3-XXX $	HNBR70 HNBR 70 3-XXX $	S1224 SILICONE 3-XXX $	U90 AU 90A 3-XXX $	TF V.PTFE 3-XXX $
-901	0.15	0.20	0.45	0.50	0.65	0.90	0.10	0.60	3.80	O/R
-902	0.15	0.20	0.50	0.50	0.75	0.95	0.15	0.60	3.80	1.05
-903	0.15	0.20	0.50	0.55	0.75	0.95	0.15	0.60	4.10	1.15
-904	0.15	0.20	0.55	0.60	0.85	0.95	0.20	0.65	4.10	1.15
-905	0.15	0.20	0.55	0.65	0.90	1.00	0.25	0.65	4.10	1.20
-906	0.15	0.20	0.60	0.65	0.90	1.00	0.25	0.65	4.10	1.30
-907	0.15	0.20	0.65	0.75	1.00	1.00	0.30	0.70	4.30	1.65
-908	0.15	0.25	0.70	0.80	1.20	1.00	0.40	0.70	4.30	1.70
-909	0.15	0.25	0.80	0.85	1.40	1.25	0.45	0.70	4.80	O/R
-910	0.15	0.25	0.90	0.90	1.65	1.30	0.45	0.90	5.15	1.95
-911	0.20	0.25	1.00	1.00	1.80	1.30	0.70	1.00	5.15	O/R
-912	0.20	0.30	1.40	1.40	2.55	1.35	0.80	1.20	5.95	2.20
-913	0.25	0.30	1.65	1.65	3.00	1.35	0.85	1.25	6.05	O/R
-914	0.25	0.35	1.85	1.70	3.35	1.50	0.90	1.25	6.15	O/R
-916	0.30	0.30	1.95	1.85	3.55	1.55	0.95	1.50	6.35	2.85
-918	0.30	0.35	2.05	1.95	3.75	1.60	1.05	1.60	6.45	O/R
-920	0.40	0.45	2.40	2.25	4.30	1.70	1.25	1.80	6.75	4.15
-924	0.45	0.50	3.45	3.10	6.25	1.75	1.45	2.30	7.05	4.65
-928	0.50	0.65	4.10	3.65	7.50	2.15	1.80	2.70	7.35	5.15
-932	0.55	0.70	4.85	5.25	8.80	3.20	2.10	3.10	8.15	6.10

* Price applicable for V1476 (brown) and V1475 (black) ** Price applicable for V1412 (brown) and V1411 (black)

PARKER ACCESSORIES FOR O-RING USERS

ORD 5903



Parker Modular O-Ring Kit

The Benefits

- Reduce down-time with the immediate availability of needed Parker O-Rings.
- Reduce labor costs ... no longer will your mechanics and production personnel have lost time while the correct O-ring is located.
- Reduce costs by avoiding Minimum Order Charge usually involved in obtaining a single item.
- Save money ... lost O-Rings are bought again and again.

The Contents

- 37 of the most popular Parker O-ring sizes.
- Over 500 O-Rings in our standard kit.
- Available with Parker O-Ring compounds are nitrile, ethylene propylene, fluorocarbon, silicone, fluorosilicone, or any other Parker compound.
- Many custom materials are available to suit your precise requirements (1).

The Kit

- Tough, high impact ABS plastic.
- Heavy duty design with reinforced hinges and metal hinge pins.
- EASY-TO-READ numbered plugs have ridge to prevent O-Rings from falling off.
- Large Cross-Reference Chart inside kit with nominal and actual dimensions of standard AS568A 2 dash O-Ring sizes.
- Internal locking system stays intact, unlike others which are easily broken.
- Easy accessibility of all O-Rings due to modular plug design.
- Built-in sizing blocks for checking cross-section of O-Ring. Plugs double as gauges for inside diameters (I.D.).

The Features

- All plugs are removable AND interchangeable.
- With in-use experience, Kit can be customized by user by ordering specific plugs to adjust kit inventory to actual needs.
- Easy inventory ... all O-Rings are visible. Low inventory O-Rings are very apparent.
- CUSTOM KITS AVAILABLE - the concept of the Parker Modular O-Ring Kit, with its ease of interchangeability allows for customizing with special sizes and materials (1). Parker can also customize kits to your specifications by having the basic kit molded in your company colors with your logo and inside labels.



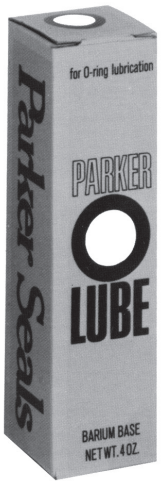
(1) minimum order requirements may apply depending on your individual specifications and order quantity.

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Parker Seals

Parker O-Lube

Prolongs life of synthetic rubber seals



SEE NOTE (1)

Parker O-lube is a barium base petroleum grease formulated to facilitate installation and extend service life of synthetic rubber O-Rings and seals.

A thin film of Parker O-Lube applied to the seal itself as well as the surfaces over which the seal will travel is suggested for best results.

Parker O-Lube combines excellent surface adherence characteristics and lubricity with inherent water resistance. This lubricant is especially recommended for low pressure pneumatic systems as well as reciprocating and low speed rotary or oscillating applications.

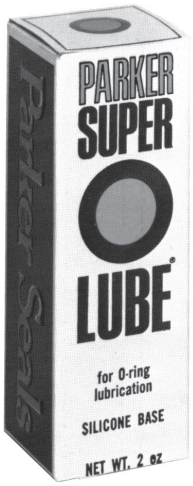
Parker O-Lube is well suited for most sealing service within a -20°F to +300°F temperature range. Parker O-Lube is NOT recommended for use in systems having micronic filters or in contact with seal materials unsuited for petroleum oil service such as silicone, butyl or ethylene propylene. For these applications use of Parker Super O-Lube should be considered.

DO NOT USE IN SYSTEMS WHERE PURE OXYGEN IS PRESENT - FIRE OR EXPLOSION MAY RESULT.

Parker Super O-Lube

Prolongs life of synthetic rubber seals

Parker Super O-Lube is a silicone based lubricant intended to compliment Parker O-Lube in that it can be used with virtually any rubber polymer. Super O-Lube can also be used over a wider temperature range and in most cases will provide improved environmental protection to the elastomer.



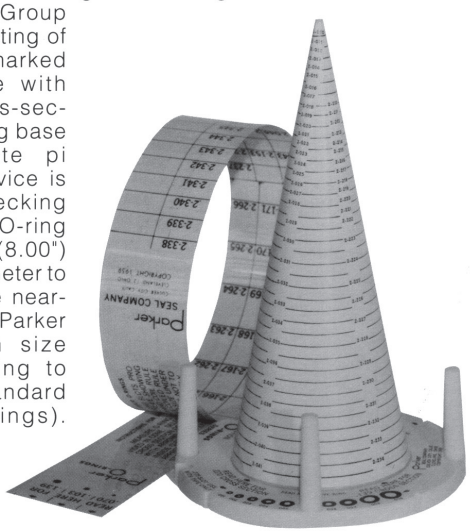
SEE NOTE (1)

It is recommended that Super O-Lube be used sparingly as only a thin film is necessary for optimum results. This lubricant is useful with a wide variety of fluid media since it is quite inert. High pressure systems as well as vacuum uses are typical applications where Super O-Lube is beneficial. Temperature range is -65°F to +400°F.

Parker Super O-Lube is nontoxic and non-irritating under normal conditions. It will not clog 30 micron filters and is unusually moisture resistant and adheres with unusual tenacity.

Parker O-Ring Sizing Gauges

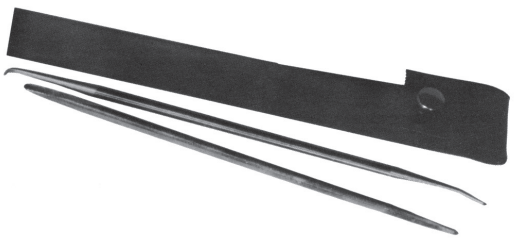
The Parker Size Gauge for O-Rings is an exclusive Parker Seal Group device consisting of a uniquely marked plastic cone with special Cross-section measuring base and separate pi tape. The device is used for checking any sample O-ring up to eight (8.00") inches in diameter to determine the nearest standard Parker Seal 2-dash size (corresponding to ARP568A standard series O-Rings). NOTE: The device does not measure actual dimensions.



Proper identifications and markings appear on the cone and tape, making the device easy to use. Available from your local Parker O-Ring Distributor.

Parker O-Ring Installation & Extraction Tools

Parker O-Ring Installation and Extraction Tool Kits contain two unique double ended brass tools that help make life easier for the mechanic who must install or remove O-Rings from hydraulic or pneumatic cylinders or other equipment. Brass tools prevent damage to precision sealing surfaces. Complete with plastic pocket case and instruction sheet. Available from your local Parker O-Ring Distributor.



NOTE (1) Also available in smaller and larger containers on special order. Contact the Parker Seal O-Ring Division or your local Parker Seal Distributor for prices

Parker Seals

O'RING KITS AND ACCESSORIES



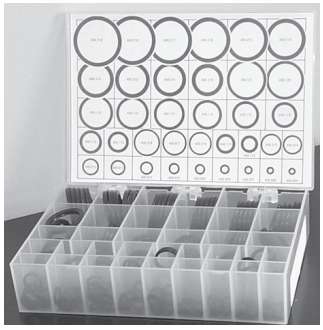
PARKER SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-P-E0540	ETHYLENE PROPYLENE 80	485	37	352.45
ORK-P-N1470	NITRILE 70	485	37	166.00
ORK-P-N1490	NITRILE 90	485	37	185.90
ORK-P-S1224	SILICONE 70	485	37	597.75
ORK-P-V1475	FLUOROCARBON 75	485	37	456.10
ORK-P-V1476	FLUOROCARBON 75	485	37	520.95
ORK-P-V1411	FLUOROCARBON 90	485	37	724.30
ORK-P-V1412	FLUOROCARBON 90	485	37	724.30
QRK-P-N70	QUADRING NITRILE 70	485	37	335.45

COMPACT SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-C-E0540	ETHYLENE PROPYLENE 80	375	30	160.70
ORK-C-N1470	NITRILE 70	375	30	31.65
ORK-C-N1490	NITRILE 90	375	30	42.05
ORK-C-S1224	SILICONE 70	375	30	333.15
ORK-C-V1475	FLUOROCARBON 75	375	30	212.75
ORK-C-V1476	FLUOROCARBON 75	375	30	261.70
ORK-C-V1411	FLUOROCARBON 90	375	30	394.70
ORK-C-V1412	FLUOROCARBON 90	375	30	394.70
QRK-C-N70	QUADRING NITRILE 70	375	30	139.70





INDUSTRIAL SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-IND-FREON	H.S.NITRILE 70	200	12	82.10
ORK-IND-N1470	NITRILE 70	436	36	53.05
ORK-IND-N1490	NITRILE 90	436	36	76.25
ORK-IND-PTFE	VIRGIN PTFE	325	36	701.70
ORK-IND-V1475	FLUOROCARBON 75	436	36	314.70
QRK-IND-N70	QUADRING NITRILE 70	226	36	98.15

WAREHOUSE SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-WHSE-E0540	ETHYLENE PROPYLENE 80	1110	150	734.75
ORK-WHSE-N1470	NITRILE 70	1110	150	414.10
ORK-WHSE-N1490	NITRILE 90	1110	150	592.45
ORK-WHSE-S1224	SILICONE 70	1110	150	1117.10
ORK-WHSE-V1475	FLUOROCARBON 75	1110	150	829.95
ORK-WHSE-V1476	FLUOROCARBON 75	1110	150	987.15



BOSS SERIES



Ref. Number	Material	Total Qty	Sizes	$
ORK-BOSS-N90	NITRILE 90	250	12	33.15
ORK-BOSS-N90D	NITRILE 90	212	20	61.20
ORK-BOSS-V1411	FLUOROCARBON 90	250	12	214.05



FLAT FACE SEAL SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-ORS-N1490	NITRILE 90	140	8	28.70

SAE 4-BOLTS FLANGE SERIES



Ref. Number	Material	Total Qty	Sizes	$
ORK-ORF-N1490	NITRILE 90	50	8	33.65
SAE-SFS-KIT	POLYURETHANE 95	40	8	112.30



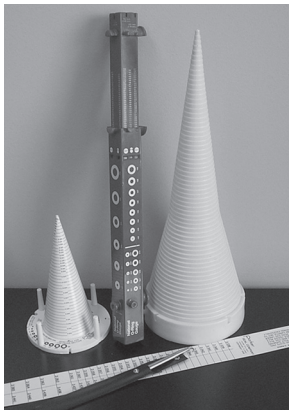
OSK SERIES

Ref. Number	Material	$
OSK100-NBR	O-RING SPLICING KIT - NBR 70	57.30
OSK100-FPM	O-RING SPLICING KIT - FPM 75	235.10

PARKER O-LUBE



Ref. Number	Material	$
OL884-.50	O'LUBE 0.50 OZ.	6.40
OL400	O'LUBE 4.00 OZ.	12.70
OL401	SUPER O'LUBE 2.00 OZ.	48.20



ACCESSORIES

Ref. Number	Material	$
ET500	EXTRACTION TOOLS	25.50
ORING-GAUGE/MD999	MEASURING GAUGE	95.60
ORING-GAUGE/SC600	SIZING CONE AND TAPE	62.45
ORING-GAUGE/SC600XL	SIZING CONE	248.50

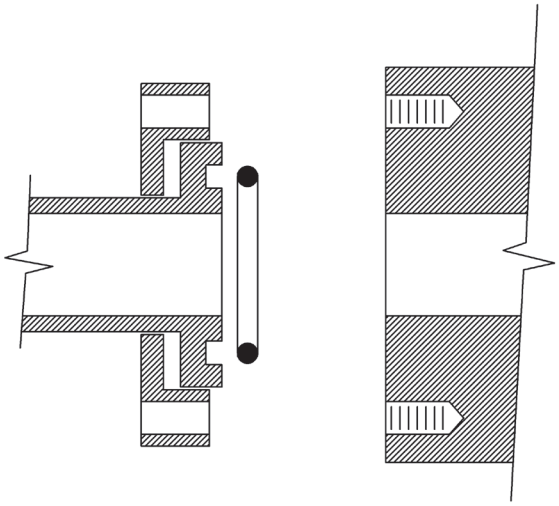
CAT O'RING KITS

Ref. Number	Description	Application	$
RCAT-4C4782	NITRILE O-RING KIT FOR USE WITH XT-3, O-RING FACE SEAL & O-RING BOSS CONNECTIONS 580 ROUND CROSS SECTION O-RINGS IN 32 DIFFERENT SIZES, NITRILE 90 DURO	SAE STOR FITTINGS, SAE ORFS FITTINGS, SAE CODE 61 FLANGES, SAE CODE 62 FLANGES	399.30
RCAT-4C4784	NITRILE D-RING KIT FOR USE WITH XT-5 & XT-6 FLANGE CONNECTIONS 80 RECTANGULAR CROSS SECTION D-RINGS IN 9 DIFFERENT SIZES, NITRLE 90 DURO	CAT FLANGES	225.85
RCAT-4C5859	NITRILE O-RING KIT FOR USE WITH FACE SEAL HOSE COUPLING & ADAPTER FITTINGS 120 ROUND CROSS SECTION O-RINGS IN 8 DIFFERENT SIZES, NITRILE 90 DURO	SAE ORFS FITTINGS	84.15
RCAT-4C8253	GENERAL PURPOSE SILICONE O-RING KIT FOR USE WITH HOSE COUPLINGS. ENGINES & TRANSMISSIONS 149 ROUND CROSS SECTION O-RINGS IN 32 DIFFERENT SIZES, SILICONE 70 DURO	LOW-PRESSURE, HIGH-TEMPERATURE	451.35
RCAT-9S3135	NITRILE O-RING KIT FOR USE WITH CODE 61 & XT-3 HOSE COUPLINGS & FLANGE FITTINGS 60 ROUND CROSS SECTION O-RINGS IN 6 DIFFERENT SIZES, NITRILE 90 DURO	SAE CODE 61 FLANGES, SAE CODE 62 FLANGES	92.40

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

O'RING STYLE

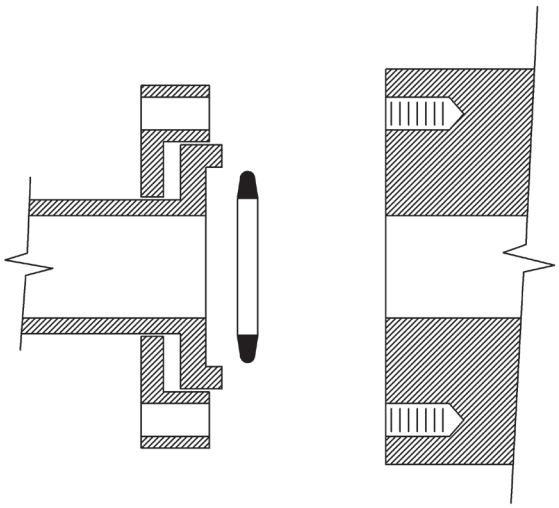
Ref.Number	Nominal Hose Size	$
RCAT-4J5140	0.500	0.95
RCAT-4J5267	0.750	1.10
RCAT-4J0520	1.000	1.35
RCAT-4J0522	1.250	1.40
RCAT-4J0524	1.500	1.40
RCAT-4J0527	2.000	1.85



METAL BACK SEALS

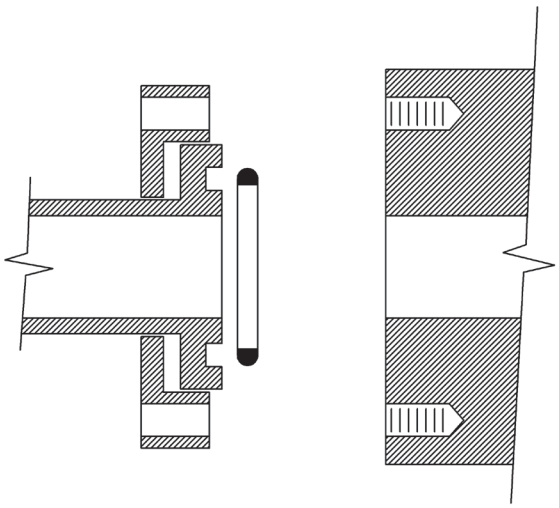
Ref.Number	Nominal Hose Size	$
RCAT-5J1583 *	0.500	USE RCAT-1P3700
RCAT-1P3702 *	0.750	USE RCAT-1P3702
RCAT-6J3600 *	1.000	USE RCAT-1P3703
RCAT-6J3625 *	1.250	USE RCAT-1P3704
RCAT-6J3650 *	1.500	USE RCAT-1P3705
RCAT-1J3708 *	2.000	USE RCAT-1P3709

* DISCONTINUED - REPLACED BY D-RING STYLE



D-RING STYLE

Ref.Number	Nominal Hose Size	$
RCAT-1P3700	0.500	1.45
RCAT-1P3702	0.750	1.65
RCAT-1P3703	1.000	1.95
RCAT-1P3704	1.250	2.10
RCAT-1P3705	1.500	2.30
RCAT-1P3706	MISC.	2.40
RCAT-1P3707	MISC.	2.45
RCAT-1P3708	MISC.	2.65
RCAT-1P3709	2.000	2.75

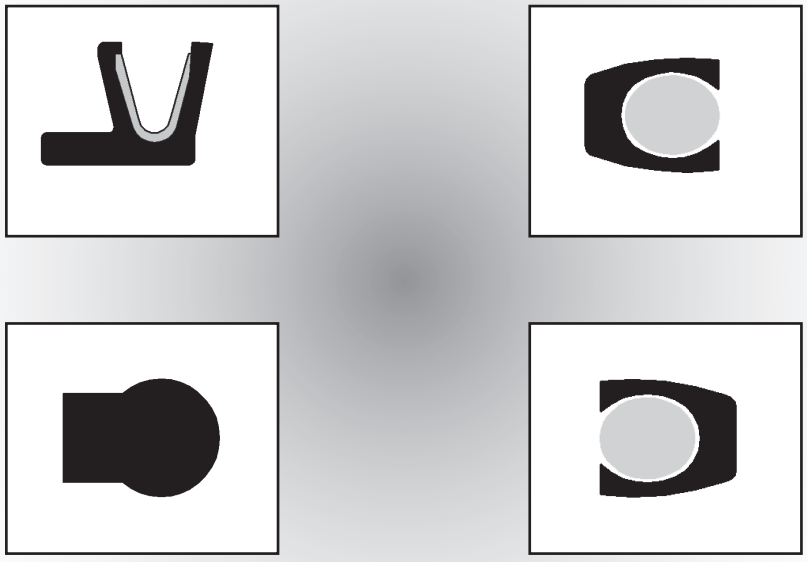


All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

O'RING CORD

	Material	Prefix	Cord Cross Section															
			0.070	0.093	0.103	0.125	0.139	0.187	0.210	0.250	0.275	0.312	0.375	0.437	0.500	0.625	0.750	1.000
●	NBR 70A	OCN	0.25	0.25	0.35	0.45	0.50	0.55	0.65	0.75	0.75	1.00	1.00	1.25	1.95	1.95	2.40	3.60
●	FPM 75A	OCV	2.25	2.65	2.75	3.85	4.15	5.80	6.95	9.10	11.90	14.85	14.85	23.15	36.60	36.60	42.05	68.95
●	EPDM 80A	OCE	0.70	0.80	0.95	1.05	1.25	1.30	1.35	1.65	1.80	2.20	2.20	2.40	2.70	2.70	3.90	6.65
●	SILICONE 70A	OCS	0.40	0.50	0.50	0.55	0.70	1.05	1.30	1.80	1.90	2.65	2.65	3.60	5.20	5.20	6.10	10.20
✚	NBR 70A	QCN	1.10		1.35		1.55		2.20		2.80	3.65	3.65	5.20	6.70	6.70	8.40	
■	NBR 70A	SCN			0.95		1.20		1.40		1.90	2.35	2.35	3.35			5.50	6.60
Increments of 1 ft																		

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



VULCANIZED NITRILE O'RINGS (NBR70A) CROSS SECTION DIAMETER - UNIT PRICE																	
O'RING	1/16"	3/32"		1/8"		3/16"		1/4"		5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	1"
I.D.	.070"	.093"	.103"	.125"	.139"	.187"	.210"	.250"	.275"	.312"	.375"	.437"	.500"	.562"	.625"	.750"	1.000"
2-3"	13.60	13.60	13.60	13.60	13.60	13.75	13.85	13.90	14.00	14.20	14.85	N/A	N/A	N/A	N/A	N/A	N/A
3-4"	13.60	13.60	13.60	13.75	13.80	14.05	14.15	14.20	14.35	14.70	15.40	16.35	16.90	17.60	18.35	N/A	N/A
4-5"	13.60	13.60	13.75	13.90	14.00	14.35	14.40	14.60	14.70	15.15	15.90	17.15	17.75	18.65	19.45	21.70	30.85
5-6"	13.60	13.75	13.85	14.15	14.15	14.60	14.70	14.90	15.00	15.55	16.40	17.95	18.65	19.70	20.65	23.20	33.35
6-7"	13.60	13.85	14.05	14.35	14.40	14.90	14.95	15.20	15.40	15.90	17.05	18.70	19.55	20.70	21.75	24.70	36.90
7-8"	13.75	14.00	14.15	14.45	14.60	15.15	15.30	15.50	15.70	16.35	17.60	19.45	20.40	21.75	22.95	26.25	39.90
8-9"	13.85	14.15	14.35	14.70	14.85	15.30	15.55	15.80	16.05	16.80	18.10	20.30	21.30	22.80	24.10	27.75	42.85
9-10"	14.00	14.20	14.45	14.90	15.00	15.60	15.85	16.10	16.35	17.15	18.70	21.00	22.15	23.75	25.25	29.25	45.85
10-12"	14.20	14.55	14.75	15.25	15.45	16.10	16.35	16.65	16.95	17.85	19.60	22.25	23.55	25.30	26.95	31.45	50.05
12-14"	14.60	14.95	15.25	15.80	15.90	16.70	17.00	17.35	17.75	18.75	20.75	23.80	25.30	27.45	29.35	34.55	55.90
14-16"	14.90	15.30	15.70	16.30	16.55	17.35	17.75	18.10	18.45	19.70	22.05	25.40	27.15	29.60	31.70	37.60	61.80
16-18"	15.20	15.70	16.15	16.85	17.00	18.05	18.45	18.85	19.25	20.60	23.20	27.10	28.95	31.70	34.05	40.55	67.55
18-20"	15.55	16.15	16.55	17.30	17.55	18.65	19.15	19.60	20.05	21.50	24.40	28.65	30.80	33.75	36.45	43.60	73.35
20-22"	15.90	16.55	17.00	17.80	18.10	19.25	19.80	20.30	20.85	22.50	25.55	30.25	32.55	35.80	38.75	46.60	79.25
22-24"	16.20	16.90	17.45	18.35	18.60	19.90	20.45	21.00	21.65	23.30	26.85	31.90	34.45	37.95	41.15	49.65	85.10
24-26"	16.60	17.25	17.85	18.85	19.15	20.55	21.15	21.75	22.40	24.30	28.00	33.50	36.20	40.05	43.45	52.70	90.90
26-28"	16.90	17.60	18.30	19.40	19.70	21.20	21.85	22.50	23.15	25.20	29.20	35.10	37.90	40.20	45.75	55.65	96.75
28-30"	17.25	18.05	18.70	19.85	20.25	21.80	22.50	23.20	23.95	26.10	30.40	36.75	39.75	44.25	48.15	58.75	102.55
30-32"	17.55	18.45	19.15	20.35	20.75	22.50	23.20	23.95	24.70	27.10	31.65	38.30	41.65	46.40	50.50	61.80	108.40
32-34"	17.95	18.75	19.60	20.90	21.25	23.15	23.85	24.70	25.45	28.00	32.80	39.95	43.45	48.45	52.80	64.85	114.25
34-36"	18.25	19.20	20.05	21.40	21.80	23.75	24.60	25.40	26.25	28.85	34.00	41.60	45.35	50.65	55.25	69.55	120.10
36-38"	18.60	19.60	20.45	21.85	22.35	24.40	25.25	26.20	26.95	29.80	35.20	43.15	47.10	52.70	57.55	70.85	125.90
38-40"	18.90	19.90	20.90	22.50	22.90	25.05	25.95	26.90	27.80	30.75	36.45	44.80	49.00	54.80	59.90	73.90	131.75
40-42"	19.25	20.35	21.30	22.70	23.45	25.70	26.65	27.65	28.60	31.65	37.65	46.40	50.75	56.95	62.20	76.95	137.65
42-44"	19.60	20.75	21.75	23.45	23.95	26.25	27.35	28.35	29.40	32.55	38.80	47.95	52.55	59.00	64.60	82.05	143.45
44-46"	19.90	21.15	22.25	23.95	24.45	26.95	28.00	29.00	30.10	33.50	40.05	49.65	54.40	61.20	66.95	82.95	149.30
46-48"	20.25	21.50	22.65	24.40	25.05	27.55	28.70	29.80	30.90	34.35	41.20	51.25	56.20	63.25	69.05	86.05	155.10
48-50"	20.60	21.85	23.10	24.95	25.50	28.25	29.25	30.55	31.70	35.35	42.45	52.80	58.05	65.30	71.70	89.05	160.95
50-53"	21.10	22.50	23.70	25.75	26.35	29.20	30.40	31.65	32.85	36.70	44.20	55.30	60.75	68.50	75.20	93.60	169.70
53-56"	21.65	23.10	24.35	26.50	27.15	30.10	31.45	32.70	34.00	38.05	46.00	57.75	63.50	71.70	78.70	98.10	178.50
56-59"	22.10	23.70	25.05	27.25	28.00	31.10	32.40	33.90	35.15	39.45	47.85	60.10	66.20	74.90	82.25	102.70	187.20
59-62"	22.60	24.25	25.70	28.05	28.70	32.05	33.50	34.90	36.35	40.85	49.65	62.50	68.95	78.00	85.75	107.25	195.95
62-65"	23.15	24.85	26.30	28.80	29.60	33.05	34.55	36.00	37.50	42.25	51.45	64.95	71.60	81.15	89.20	111.80	204.70
65-68"	23.65	25.45	26.95	29.60	30.35	33.95	35.50	37.05	38.65	43.60	53.20	67.35	74.35	84.25	92.80	116.35	213.45
68-71"	24.10	26.05	27.65	30.30	31.15	34.90	36.55	38.20	39.80	45.00	55.00	69.80	77.05	87.45	96.30	120.90	222.20
71-74"	24.65	26.60	28.30	31.10	31.95	35.95	37.60	39.35	41.00	46.30	56.80	72.15	79.80	90.60	99.90	125.45	230.95
74-77"	25.15	27.15	28.90	31.80	32.80	36.90	38.60	40.45	42.15	47.75	58.65	74.65	82.55	93.75	103.40	130.00	239.75
77-80"	25.65	27.75	29.60	32.65	33.50	37.85	39.65	41.55	42.45	49.05	60.45	77.00	85.20	97.70	106.85	134.45	248.45
80-83"	26.10	28.35	30.25	33.40	34.35	38.75	40.65	42.60	44.50	50.50	62.20	79.50	88.00	100.15	110.45	139.00	257.20
83-86"	26.65	28.90	30.85	34.10	35.10	39.75	41.65	43.70	45.65	51.85	64.05	81.85	90.45	103.00	113.95	143.65	265.95
86-89"	27.15	29.50	31.50	34.90	35.95	40.65	42.75	44.80	46.80	53.30	65.85	84.35	93.45	106.45	117.50	148.10	274.75
89-92"	27.65	30.10	32.20	35.70	36.75	41.65	43.75	45.90	47.95	54.65	67.60	86.65	96.15	109.55	121.00	152.70	283.50
92-95"	28.10	30.65	32.80	36.45	37.60	42.60	44.80	47.00	49.15	56.00	69.45	89.15	98.85	112.75	124.30	157.25	288.25

VULCANIZED FLUOROCARBON O'RINGS

VULCANIZED FLUOROCARBON O'RINGS (FPM75A) CROSS SECTION DIAMETER - UNIT PRICE																	
O'RING	1/16"	3/32"		1/8"		3/16"		1/4"		5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	1"
I.D.	.070"	.093"	.103"	.125"	.139"	.187"	.210"	.250"	.275"	.312"	.375"	.437"	.500"	.562"	.625"	.750"	1.000"
UP TO 10"	27.80	28.55	29.25	29.70	30.25	34.05	34.95	38.80	42.85	58.25	75.50	108.50	126.85	PO/R	PO/R	PO/R	PO/R
10-15"	30.95	31.75	32.65	33.65	34.25	40.80	41.95	50.75	56.65	80.60	102.90	150.25	176.55	PO/R	PO/R	PO/R	PO/R
15-20"	34.00	34.95	36.00	37.45	38.25	47.55	50.20	63.80	71.45	101.25	130.35	192.00	226.20	PO/R	PO/R	PO/R	PO/R
20-25"	37.05	38.15	39.30	41.30	44.60	54.15	59.20	75.50	85.20	121.90	157.75	233.75	275.95	PO/R	PO/R	PO/R	PO/R
25-30"	40.00	41.30	42.50	46.40	49.35	60.70	68.80	87.40	98.90	142.60	185.20	275.45	325.60	PO/R	PO/R	PO/R	PO/R
30-35"	43.00	44.30	45.70	51.85	55.30	67.20	77.85	99.35	112.70	163.25	212.60	317.20	375.35	PO/R	PO/R	PO/R	PO/R
35-40"	45.90	47.35	48.90	57.80	61.70	73.55	86.80	111.25	126.45	183.90	240.05	358.95	428.85	PO/R	PO/R	PO/R	PO/R
40-45"	48.60	50.45	52.15	63.25	67.65	79.95	95.80	123.20	140.15	204.60	267.45	400.70	478.45	PO/R	PO/R	PO/R	PO/R
45-50"	51.65	53.40	55.25	68.70	73.70	86.25	104.80	135.15	153.95	225.25	294.90	445.65	528.20	PO/R	PO/R	PO/R	PO/R
50-55"	54.50	56.35	58.30	74.25	79.60	92.40	113.80	147.05	167.70	245.90	322.35	487.40	577.85	PO/R	PO/R	PO/R	PO/R
55-60"	57.30	59.30	61.35	79.70	85.55	99.30	122.75	159.00	181.45	266.60	351.90	529.05	627.60	PO/R	PO/R	PO/R	PO/R
60-65"	60.10	62.20	64.40	85.20	91.50	106.30	131.75	170.85	195.20	287.25	379.25	570.80	677.25	PO/R	PO/R	PO/R	PO/R
65-70"	62.80	65.05	67.90	90.65	97.45	113.40	140.70	182.85	209.00	309.50	406.75	612.60	726.95	PO/R	PO/R	PO/R	PO/R
70-75"	65.55	68.15	71.85	96.15	103.45	120.50	149.70	195.65	223.80	330.20	434.20	654.30	776.60	PO/R	PO/R	PO/R	PO/R
75-80"	68.20	71.85	75.75	101.65	109.40	127.55	158.70	207.60	237.55	350.90	461.60	696.05	826.35	PO/R	PO/R	PO/R	PO/R
80-85"	70.85	75.50	80.85	107.15	115.40	135.20	168.30	219.55	251.25	371.50	489.05	737.80	876.00	PO/R	PO/R	PO/R	PO/R
85-90"	73.45	79.15	83.50	112.65	121.35	142.25	177.35	231.40	265.05	392.20	516.45	779.50	925.75	PO/R	PO/R	PO/R	PO/R
90-95"	76.05	82.80	87.45	118.50	127.80	149.35	186.35	243.35	278.80	412.90	543.90	821.25	979.25	PO/R	PO/R	PO/R	PO/R

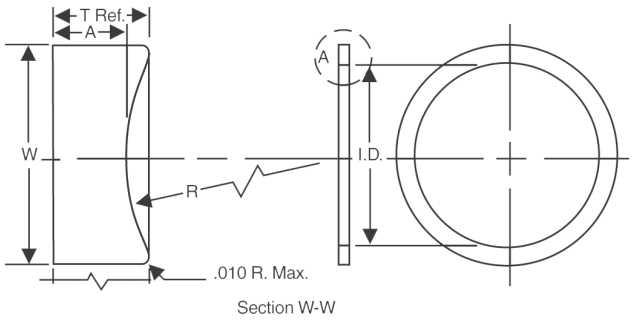
VULCANIZED SILICONE O'RINGS

VULCANIZED SILICONE O'RINGS (SI70A) CROSS SECTION DIAMETER - UNIT PRICE															
O'RING	1/16"	3/32"		1/8"		3/16"		1/4"		5/16"	3/8"	7/16"	1/2"	5/8"	3/4"
I.D.	.070"	.093"	.103"	.125"	.139"	.187"	.210"	.250"	.275"	.312"	.375"	.437"	.500"	.625"	.750"
UP TO 10"	37.75	38.35	39.00	39.15	39.90	40.50	41.10	41.80	42.40	45.90	45.90	50.55	53.20	66.05	74.55
10-15"	39.00	39.65	40.30	41.10	41.90	43.10	44.00	45.40	46.50	52.25	52.25	60.10	64.45	86.00	100.15
15-20"	40.20	40.90	41.65	43.00	43.95	45.70	46.55	48.90	50.45	58.55	58.55	69.60	75.75	105.70	125.55
20-25"	41.45	42.20	43.00	44.85	45.90	48.30	49.30	52.45	54.40	64.85	64.85	78.95	86.90	125.30	150.75
25-30"	42.70	43.45	44.30	46.80	47.90	50.85	51.90	55.90	58.25	71.05	71.05	88.30	97.95	144.80	175.80
30-35"	43.90	44.75	45.65	48.60	49.90	53.40	54.55	59.35	62.10	77.25	77.25	97.60	108.85	164.10	200.55
35-40"	45.05	45.95	46.90	50.50	51.85	55.90	57.15	62.75	65.85	83.35	83.35	106.70	119.80	183.20	225.10
40-45"	46.25	47.25	48.25	52.30	53.80	58.45	59.80	66.10	69.60	89.40	89.40	115.80	130.60	202.20	249.50
45-50"	47.40	48.45	49.55	54.15	55.65	60.95	62.40	69.45	73.35	95.40	95.40	124.80	141.25	220.90	273.65
50-55"	48.55	49.65	50.75	55.95	57.55	63.35	64.95	72.85	77.05	101.35	101.35	133.75	151.80	239.55	297.60
55-60"	49.80	50.85	52.00	57.80	59.40	65.80	67.50	76.05	80.80	107.30	107.30	142.60	162.40	258.05	321.40
60-65"	50.85	52.10	53.30	59.55	61.30	68.20	69.95	79.30	84.35	113.10	113.10	151.35	172.75	276.40	345.00
65-70"	52.00	53.25	54.50	61.30	63.10	70.65	72.45	82.55	88.00	118.95	118.95	160.15	183.15	294.50	368.30
70-75"	52.95	54.45	55.70	63.05	65.05	73.00	74.95	85.80	91.65	124.70	124.70	168.70	193.30	324.70	391.40
75-80"	54.25	55.60	57.00	64.75	66.75	75.30	77.40	88.95	95.15	130.35	130.35	177.20	203.45	330.40	414.30
80-85"	55.35	56.75	58.15	66.45	68.60	77.70	79.80	92.10	98.70	136.05	136.05	185.70	213.55	348.05	437.05
85-90"	56.45	57.85	59.35	68.15	70.40	80.00	82.25	95.20	102.15	141.65	141.65	194.10	223.55	365.55	459.55
90-95"	57.55	59.00	60.55	69.85	72.10	82.30	84.60	98.30	105.60	147.15	147.15	202.40	233.35	382.85	481.85

VULCANIZED ETHYLENE PROPYLENE O'RINGS (EPDM80A) CROSS SECTION DIAMETER - UNIT PRICE										
O'RING	1/16"	3/32"		1/8"		3/16"		1/4"		5/16"
I.D.	.070"	.093"	.103"	.125"	.139"	.187"	.210"	.250"	.275"	.312"
2-3"	13.60	13.60	13.60	13.60	13.60	13.75	13.85	13.90	14.00	14.20
3-4"	13.60	13.60	13.60	13.75	13.80	14.05	14.15	14.20	14.35	14.70
4-5"	13.60	13.60	13.75	13.90	14.00	14.35	14.40	14.60	14.70	15.15
5-6"	13.60	13.75	13.75	13.90	14.15	14.60	14.40	14.90	15.00	15.55
6-7"	13.60	13.85	13.75	13.90	14.40	14.90	14.40	15.20	15.40	15.90
7-8"	13.75	14.00	14.15	13.90	14.60	15.15	14.40	15.50	15.70	16.35
8-9"	13.85	14.15	14.35	14.70	14.85	15.30	15.55	15.80	16.05	16.80
9-10"	14.00	14.20	14.45	14.90	15.00	15.60	15.85	16.10	16.35	17.15
10-12"	14.20	14.55	14.75	15.25	15.45	16.10	16.35	16.65	16.95	17.85
12-14"	14.60	14.95	15.25	15.80	15.90	16.70	17.00	17.35	17.75	18.75
14-16"	14.90	15.30	15.70	16.30	16.55	17.35	17.75	18.10	18.45	19.70
16-18"	15.20	15.70	16.15	16.85	17.00	18.05	18.45	18.85	19.25	20.60
18-20"	15.55	16.15	16.55	17.30	17.55	18.65	19.15	19.60	20.05	21.50
20-22"	15.90	16.55	17.00	17.80	18.10	19.25	19.80	20.30	20.85	22.50
22-24"	16.20	16.90	17.45	18.35	18.60	19.90	20.45	21.00	21.65	23.30
24-26"	16.60	17.25	17.85	18.85	19.15	20.55	21.15	21.75	22.40	24.30
26-28"	16.90	17.60	18.30	19.40	19.70	21.20	21.85	22.50	23.15	25.20
28-30"	17.25	18.05	18.70	19.85	20.25	21.80	22.50	23.20	23.95	26.10
30-32"	17.55	18.45	19.15	20.35	20.75	22.50	23.20	23.95	24.70	27.10
32-34"	17.95	18.75	19.60	20.90	21.25	23.15	23.85	24.70	25.45	28.00
34-36"	18.25	19.20	20.05	21.40	21.80	23.75	24.60	25.40	26.25	28.85
36-38"	18.60	19.60	20.45	21.85	22.35	24.40	25.25	26.20	26.95	29.80
38-40"	18.90	19.90	20.90	22.50	22.90	25.05	25.95	26.90	27.80	30.75
40-42"	19.25	20.35	21.30	22.70	23.45	25.70	26.65	27.65	28.60	31.65
42-44"	19.60	20.75	21.75	23.45	23.95	26.25	27.35	28.35	29.40	32.55
44-46"	19.90	21.15	22.25	23.95	24.45	26.95	28.00	29.00	30.10	33.50
46-48"	20.25	21.50	22.65	24.40	25.05	27.55	28.70	29.80	30.90	34.35
48-50"	20.60	21.85	23.10	24.95	25.50	28.25	29.25	30.55	31.70	35.35
50-53"	21.10	22.50	23.70	25.75	26.35	29.20	30.40	31.65	32.85	36.70
53-56"	21.65	23.10	24.35	26.50	27.15	30.10	31.45	32.70	34.00	38.05
56-59"	22.10	23.70	25.05	27.25	28.00	31.10	32.40	33.90	35.15	39.45
59-62"	22.60	24.25	25.70	28.05	28.70	32.05	33.50	34.90	36.35	40.85
62-65"	23.15	24.85	26.30	28.80	29.60	33.05	34.55	36.00	37.50	42.25
65-68"	23.65	25.45	26.95	29.60	30.35	33.95	35.50	37.05	38.65	43.60
68-71"	24.10	26.05	27.65	30.30	31.15	34.90	36.55	38.20	39.80	45.00
71-74"	24.65	26.60	28.30	31.10	31.95	35.95	37.60	39.35	41.00	46.30
74-77"	25.15	27.15	28.90	31.80	32.80	36.90	38.60	40.45	42.15	47.75
77-80"	25.65	27.75	29.60	32.65	33.50	37.85	39.65	41.55	42.45	49.05
80-83"	26.10	28.35	30.25	33.40	34.35	38.75	40.65	42.60	44.50	50.50
83-86"	26.65	28.90	30.85	34.10	35.10	39.75	41.65	43.70	45.65	51.85
86-89"	27.15	29.50	31.50	34.90	35.95	40.65	42.75	44.80	46.80	53.30
89-92"	27.65	30.10	32.20	35.70	36.75	41.65	43.75	45.90	47.95	54.65
92-95"	28.10	30.65	32.80	36.45	37.60	42.60	44.80	47.00	49.15	56.00

BACK-UP RINGS

Parker Parbak 8-Series Dimensions



Parker Parbaks were developed primarily for service in petroleum based hydraulic fluids, at -4°C to 121°C (-40°F to 250°F). Parker's standard Parbak compound N1444-90, provides the maximum benefits in back-up ring service. Compounds for use in other fluids and for temperatures up to 204°C (400°F) are available upon request.

Parbaks will stretch up to 50%, and are quickly and easily installed. Advantages of the contour design are obtained regardless of how Parbaks are installed — they may be installed with the concave face in either direction, toward or away from the O-ring.

Parker Parbak 8-Series Dimensions

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±	Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
004	.096	.005	.087	.049	.045	.003	.053	.003	041	3.018	.024	.087	.049	.045	.003	.053	.003
005	.127	↑	↑	↑	↑	↑	↑	↑	042	3.268	.024	↑	↑	↑	↑	↑	↑
006	.140	↕	↕	↕	↕	↕	↕	↕	043	3.518	.024	↕	↕	↕	↕	↕	↕
007	.171	↕	↕	↕	↕	↕	↕	↕	044	3.768	.027	↕	↕	↕	↕	↕	↕
008	.202	↕	↕	↕	↕	↕	↕	↕	045	4.018	.027	↕	↕	↕	↕	↕	↕
009	.234	↕	↕	↕	↕	↕	↕	↕	046	4.268	.030	↕	↕	↕	↕	↕	↕
010	.265	↕	↕	↕	↕	↕	↕	↕	047	4.518	.030	↕	↕	↕	↕	↕	↕
011	.327	↕	↕	↕	↕	↕	↕	↕	048	4.768	.030	↕	↕	↕	↕	↕	↕
012	.390	↕	↕	↕	↕	↕	↕	↕	049	5.018	.037	↕	↕	↕	↕	↕	↕
013	.455	.005	↕	↕	↕	↕	↕	↕	050	5.268	.037	.087	.049	↕	↕	.053	↕
014	.518	.005	↕	↕	↕	↕	↕	↕	102	.077	.005	.129	.053	↕	↕	.086	↕
015	.580	.007	↕	↕	↕	↕	↕	↕	103	.109	↕	↕	↕	↕	↕	↕	↕
016	.643	.009	↕	↕	↕	↕	↕	↕	104	.140	↕	↕	↕	↕	↕	↕	↕
017	.705	↕	↕	↕	↕	↕	↕	↕	105	.171	↕	↕	↕	↕	↕	↕	↕
018	.768	↕	↕	↕	↕	↕	↕	↕	106	.202	↕	↕	↕	↕	↕	↕	↕
019	.830	↕	↕	↕	↕	↕	↕	↕	107	.234	↕	↕	↕	↕	↕	↕	↕
020	.893	↕	↕	↕	↕	↕	↕	↕	108	.265	↕	↕	↕	↕	↕	↕	↕
021	.955	.009	↕	↕	↕	↕	↕	↕	109	.327	↕	↕	↕	↕	↕	↕	↕
022	1.018	.010	↕	↕	↕	↕	↕	↕	110	.390	↕	↕	↕	↕	↕	↕	↕
023	1.080	.010	↕	↕	↕	↕	↕	↕	111	.452	↕	↕	↕	↕	↕	↕	↕
024	1.143	.010	↕	↕	↕	↕	↕	↕	112	.515	.005	↕	↕	↕	↕	↕	↕
025	1.205	.011	↕	↕	↕	↕	↕	↕	113	.577	.007	↕	↕	↕	↕	↕	↕
026	1.268	.011	↕	↕	↕	↕	↕	↕	114	.640	.009	↕	↕	↕	↕	↕	↕
027	1.330	.011	↕	↕	↕	↕	↕	↕	115	.702	.009	↕	↕	↕	↕	↕	↕
028	1.393	.013	↕	↕	↕	↕	↕	↕	116	.765	.009	↕	↕	↕	↕	↕	↕
029	1.518	.013	↕	↕	↕	↕	↕	↕	117	.831	.010	↕	↕	↕	↕	↕	↕
030	1.643	.013	↕	↕	↕	↕	↕	↕	118	.893	↕	↕	↕	↕	↕	↕	↕
031	1.768	.015	↕	↕	↕	↕	↕	↕	119	.956	↕	↕	↕	↕	↕	↕	↕
032	1.893	.015	↕	↕	↕	↕	↕	↕	120	1.018	↕	↕	↕	↕	↕	↕	↕
033	2.018	.018	↕	↕	↕	↕	↕	↕	121	1.081	↕	↕	↕	↕	↕	↕	↕
034	2.143	↕	↕	↕	↕	↕	↕	↕	122	1.143	.010	↕	↕	↕	↕	↕	↕
035	2.268	↕	↕	↕	↕	↕	↕	↕	123	1.206	.012	↕	↕	↕	↕	↕	↕
036	2.393	↕	↕	↕	↕	↕	↕	↕	124	1.268	↕	↕	↕	↕	↕	↕	↕
037	2.518	.018	↕	↕	↕	↕	↕	↕	125	1.331	↕	↕	↕	↕	↕	↕	↕
038	2.643	.020	↕	↕	↕	↕	↕	↕	126	1.393	↕	↕	↕	↕	↕	↕	↕
039	2.768	.020	↕	↕	↕	↕	↕	↕	127	1.456	↕	↕	↕	↕	↕	↕	↕
040	2.893	.020	.087	.049	.045	.003	.053	.003	128	1.518	.012	.129	.053	.045	.003	.086	.003

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material. **Example:** N1444-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

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Parker Parbak 8-Series Dimensions (Continued)

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
129	1.581	.015	.129	.053	.045	.003	.086	.003
130	1.643							
131	1.706							
132	1.768							
133	1.831							
134	1.893	.015						
135	1.956	.017						
136	2.018							
137	2.081							
138	2.143	.017						
139	2.206	.017						
140	2.268	.017						
141	2.331	.020						
142	2.393							
143	2.456							
144	2.518							
145	2.581							
146	2.643	.020						
147	2.706	.022						
148	2.768							
149	2.831							
150	2.893	.022						
151	3.018	.024						
152	3.268	.024						
153	3.518	.024						
154	3.768	.028						
155	4.018	.028						
156	4.268	.030						
157	4.518	.030						
158	4.768	.030						
159	5.018	.035						
160	5.268							
161	5.518							
162	5.768							
163	6.018	.035						
164	6.268	.040						
165	6.518							
166	6.768							
167	7.018	.040						
168	7.268	.045						
169	7.518							
170	7.768							
171	8.018	.045						
172	8.268	.050						
173	8.518							
174	8.768							
175	9.018	.050						
176	9.268	.055						
177	9.518	.055						
178	9.768	.055	.129	.053	.045		.086	.003
201	.202	.005	.174	.050	.040		.118	.004
202	.265							
203	.327							
204	.390							
205	.455	.005	.174	.050	.040	.003	.118	.004

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
206	.518	.005	.174	.050	.040	.003	.118	.004
207	.580	.007						
208	.643	.009						
209	.705	.009						
210	.766	.010						
211	.828							
212	.891							
213	.953							
214	1.016	.010						
215	1.078	.010						
216	1.141	.012						
217	1.203							
218	1.266							
219	1.334							
220	1.397							
221	1.459	.012						
222	1.522	.015						
223	1.647	.015						
224	1.772	.015						
225	1.897	.018						
226	2.022	.018						
227	2.147	.018						
228	2.272	.020						
229	2.397	.020						
230	2.522	.020						
231	2.631	.020						
232	2.756	.024						
233	2.881							
234	3.006							
235	3.131							
236	3.256							
237	3.381							
238	3.506	.024						
239	3.631	.028						
240	3.756							
241	3.881							
242	4.006							
243	4.131	.028						
244	4.256	.030						
245	4.381							
246	4.506							
247	4.631							
248	4.768	.030						
249	4.893	.035						
250	5.018							
251	5.143							
252	5.268							
253	5.393							
254	5.518							
255	5.643							
256	5.768							
257	5.893							
258	6.018	.035						
259	6.268	.040						
260	6.518	.040						
261	6.768	.040	.174	.050	.040	.003	.118	.004

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material. **Example:** N1444-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

BACK-UP RINGS

Parker Parbak® 8-Series Dimensions — *Continued*

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
262	7.018	.040	.174	.050	.040	.003	.118	.004
263	7.268	.045						
264	7.518							
265	7.768							
266	8.018	.045						
267	8.268	.050						
268	8.518							
269	8.768							
270	9.018	.050						
271	9.268	.055						
272	9.518	.055						
273	9.768	.055						
274	10.018	.055						
275	10.518	.055						
276	11.018	.065						
277	11.518							
278	12.018							
279	13.018							
280	14.018							
281	15.018	.065						
282	15.989	.075						
283	16.989	.080						
284	17.989	.085	.174	.050	.040	.003	.118	.004
309	.450	.005	.262	.076	.060	.004	.183	.005
310	.513	.005						
311	.575	.007						
312	.638	.009						
313	.700	.009						
314	.763	.010						
315	.825							
316	.888							
317	.950							
318	1.013							
319	1.075	.010						
320	1.138	.012						
321	1.200	.012						
322	1.263	.012						
323	1.316	.012						
324	1.388	.012						
325	1.513	.015						
326	1.638							
327	1.763							
328	1.888	.015						
329	2.013	.018						
330	2.138							
331	2.268							
332	2.393	.018						
333	2.518	.020						
334	2.643	.020						
335	2.768	.020						
336	2.893	.020						
337	3.018	.024						
338	3.143							
339	3.273							
340	3.398	.024	.262	.076	.060	.004	.183	.005

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
341	3.523	.024	.262	.076	.060	.004	.183	.005
342	3.648	.028						
343	3.773							
344	3.898							
345	4.028							
346	4.153	.028						
347	4.278	.030						
348	4.403							
349	4.528							
350	4.653							
351	4.778							
352	4.903	.030						
353	5.028	.037						
354	5.153	.037						
355	5.278	.037						
356	5.403	.037						
357	5.528							
358	5.653							
359	5.778							
360	5.903							
361	6.028	.037						
362	6.278	.040						
363	6.528							
364	6.778							
365	7.028	.040						
366	7.278	.045						
367	7.528							
368	7.778							
369	8.028	.045						
370	8.278	.050						
371	8.528							
372	8.778							
373	9.028	.050						
374	9.278	.055						
375	9.528							
376	9.778							
377	10.028	.055						
378	10.528	.060						
379	11.028	.060						
380	11.528	.065						
381	12.028	.065						
382	13.028	.065						
383	14.028	.070						
384	15.028	.070						
385	16.008	.075						
386	17.008	.080						
387	18.008	.085						
388	19.006	.090						
389	20.006	.095						
390	21.006	.095						
391	22.006	.100						
392	22.993	.105						
393	23.993	.110						
394	24.993	.115						
395	25.993	.120	.262	.076	.060	.004	.183	.005

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material.
Example: N0300-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

Parker Parbak® 8-Series Dimensions — *Continued*

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
425	4.551	.033	.344	.117	.096	.005	.236	.006
426	4.676	↕	↕	↕	↕	↕	↕	↕
427	4.801	↕	↕	↕	↕	↕	↕	↕
428	4.926	.033	↕	↕	↕	↕	↕	↕
429	5.051	.037	↕	↕	↕	↕	↕	↕
430	5.176	↕	↕	↕	↕	↕	↕	↕
431	5.301	↕	↕	↕	↕	↕	↕	↕
432	5.426	↕	↕	↕	↕	↕	↕	↕
433	5.551	↕	↕	↕	↕	↕	↕	↕
434	5.676	↕	↕	↕	↕	↕	↕	↕
435	5.801	↕	↕	↕	↕	↕	↕	↕
436	5.926	↕	↕	↕	↕	↕	↕	↕
437	6.051	.037	↕	↕	↕	↕	↕	↕
438	6.274	.040	↕	↕	↕	↕	↕	↕
439	6.524	↕	↕	↕	↕	↕	↕	↕
440	6.774	↕	↕	↕	↕	↕	↕	↕
441	7.024	.040	↕	↕	↕	↕	↕	↕
442	7.274	.045	↕	↕	↕	↕	↕	↕
443	7.524	↕	↕	↕	↕	↕	↕	↕
444	7.774	↕	↕	↕	↕	↕	↕	↕
445	8.024	.045	↕	↕	↕	↕	↕	↕
446	8.524	.055	↕	↕	↕	↕	↕	↕
447	9.024	↕	↕	↕	↕	↕	↕	↕
448	9.524	↕	↕	↕	↕	↕	↕	↕
449	10.024	.055	↕	↕	↕	↕	↕	↕
450	10.524	.060	.344	.117	.096	.005	.236	.006

Dash No.	I.D. (in.)	Tol. ±	R ±.010	T (Ref.)	A (in.)	Tol. ±	W (in.)	Tol. ±
451	11.024	.060	.344	.117	.096	.005	.236	.006
452	11.524	↕	↕	↕	↕	↕	↕	↕
453	12.024	↕	↕	↕	↕	↕	↕	↕
454	12.524	↕	↕	↕	↕	↕	↕	↕
455	13.024	.060	↕	↕	↕	↕	↕	↕
456	13.524	.070	↕	↕	↕	↕	↕	↕
457	14.024	↕	↕	↕	↕	↕	↕	↕
458	14.524	↕	↕	↕	↕	↕	↕	↕
459	15.024	↕	↕	↕	↕	↕	↕	↕
460	15.524	.070	↕	↕	↕	↕	↕	↕
461	16.004	.075	↕	↕	↕	↕	↕	↕
462	16.504	.075	↕	↕	↕	↕	↕	↕
463	17.004	.080	↕	↕	↕	↕	↕	↕
464	17.504	.085	↕	↕	↕	↕	↕	↕
465	18.004	.085	↕	↕	↕	↕	↕	↕
466	18.504	.085	↕	↕	↕	↕	↕	↕
467	19.004	.090	↕	↕	↕	↕	↕	↕
468	19.504	.090	↕	↕	↕	↕	↕	↕
469	20.004	.095	↕	↕	↕	↕	↕	↕
470	21.004	.095	↕	↕	↕	↕	↕	↕
471	22.004	.100	↕	↕	↕	↕	↕	↕
472	23.004	.105	↕	↕	↕	↕	↕	↕
473	24.004	.110	↕	↕	↕	↕	↕	↕
474	25.004	.115	↕	↕	↕	↕	↕	↕
475	26.004	.120	.344	.117	.096	.005	.236	.006

Notes: 1. Parbak sizes are designed to correspond with the Parker 2-xxx, 3-xxx and AS568A series O-ring with which they are used.
2. Complete call-out consists of the digit 8, the dash number for the size wanted and the rubber material.
Example: N0300-90 8-009.

Table 6-1: Parker Parbak 8-Series Dimensions

SERIES 8-XXX BACK-UP RINGS (001...135)

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-001	O/R	O/R	O/R
-002	O/R	O/R	O/R
-003	O/R	O/R	O/R
-004	0.30	O/R	1.35
-005	0.30	0.20	1.35
-006	0.30	O/R	1.35
-007	0.30	O/R	1.35
-008	0.30	O/R	1.35
-009	0.30	O/R	1.45
-010	0.30	O/R	1.45
-011	0.30	O/R	1.45
-012	0.30	O/R	1.50
-013	0.30	0.40	1.55
-014	0.30	0.40	1.55
-015	0.30	0.40	1.70
-016	0.30	0.40	1.80
-017	0.30	0.40	1.85
-018	0.30	0.40	2.00
-019	0.30	0.40	2.05
-020	0.30	0.40	2.15
-021	0.30	0.45	2.15
-022	0.30	0.45	2.15
-023	0.30	0.45	2.15
-024	0.30	0.45	2.20
-025	0.30	0.45	2.30
-026	0.30	0.45	2.35
-027	0.30	0.45	2.40
-028	0.30	0.50	2.50
-029	0.35	0.50	O/R
-030	0.35	0.50	O/R
-031	0.35	0.50	O/R
-032	0.40	0.55	O/R
-033	0.45	0.55	O/R
-034	0.50	0.60	O/R
-035	0.50	0.60	O/R
-036	0.55	0.60	O/R
-037	0.55	0.65	O/R
-038	0.60	0.65	O/R
-039	0.70	0.65	O/R
-040	0.80	0.70	O/R
-041	0.95	0.70	O/R
-042	1.15	0.70	O/R

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-043	1.30	0.75	O/R
-044	1.50	0.80	O/R
-045	1.90	0.80	O/R
-046	1.95	0.80	O/R
-047	2.10	0.85	O/R
-048	2.25	0.90	O/R
-049	2.60	0.90	O/R
-050	2.75	0.90	O/R
-102	0.30	O/R	O/R
-103	0.30	O/R	O/R
-104	0.30	O/R	O/R
-105	0.30	O/R	O/R
-106	0.30	O/R	O/R
-107	0.30	O/R	O/R
-108	0.30	O/R	O/R
-109	0.30	O/R	O/R
-110	0.30	0.40	1.50
-111	0.30	0.40	1.55
-112	0.30	0.40	1.65
-113	0.30	0.45	1.65
-114	0.30	0.45	1.70
-115	0.30	0.45	1.80
-116	0.30	0.45	1.80
-117	0.30	0.50	1.85
-118	0.30	0.50	1.90
-119	0.30	0.50	1.90
-120	0.30	0.50	2.35
-121	0.30	0.50	2.40
-122	0.30	0.55	2.40
-123	0.30	0.55	2.40
-124	0.35	0.55	2.50
-125	0.35	0.55	2.50
-126	0.35	0.55	2.55
-127	0.35	0.55	2.70
-128	0.40	0.60	2.80
-129	0.40	0.60	2.85
-130	0.45	0.60	2.90
-131	0.45	0.60	3.05
-132	0.45	0.60	3.20
-133	0.50	0.60	3.35
-134	0.50	0.60	3.40
-135	0.55	0.65	3.55

SERIES 8-XXX BACK-UP RINGS (136...241)

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-136	0.55	0.65	3.70
-137	0.55	0.75	3.85
-138	0.55	0.75	4.05
-139	0.60	0.75	4.20
-140	0.60	0.75	4.30
-141	0.60	0.80	4.40
-142	0.60	0.80	4.45
-143	0.65	0.80	4.55
-144	0.70	0.80	4.60
-145	0.70	0.80	4.70
-146	0.75	0.80	4.75
-147	0.80	0.85	4.80
-148	0.90	0.85	4.90
-149	1.00	0.85	4.95
-150	1.10	0.85	O/R
-151	1.15	0.90	O/R
-152	1.30	0.90	O/R
-153	1.35	0.95	O/R
-154	1.45	1.00	O/R
-155	1.60	1.05	O/R
-156	1.80	1.15	O/R
-157	2.00	1.20	O/R
-158	2.15	1.25	O/R
-159	2.45	1.40	O/R
-160	2.65	1.45	O/R
-161	2.95	1.50	O/R
-162	3.05	1.50	O/R
-163	3.25	1.55	O/R
-164	3.45	1.60	O/R
-165	3.70	1.60	O/R
-166	3.90	1.65	O/R
-167	4.10	1.70	O/R
-168	4.40	1.75	O/R
-169	4.60	1.80	O/R
-170	4.90	1.85	O/R
-171	5.05	1.85	O/R
-172	5.25	1.90	O/R
-173	5.45	1.95	O/R
-174	5.60	2.00	O/R
-175	5.75	2.05	O/R
-176	5.95	2.10	O/R
-177	6.20	2.15	O/R

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-178	6.25	2.15	O/R
-201	0.25	O/R	O/R
-202	0.25	O/R	O/R
-203	0.25	O/R	O/R
-204	0.25	O/R	O/R
-205	0.25	0.30	O/R
-206	0.25	0.30	O/R
-207	0.25	0.30	O/R
-208	0.25	0.30	O/R
-209	0.25	0.30	O/R
-210	0.25	0.30	2.05
-211	0.25	0.30	2.10
-212	0.25	0.30	2.25
-213	0.25	0.30	2.30
-214	0.25	0.30	2.45
-215	0.25	0.35	2.50
-216	0.25	0.35	2.60
-217	0.30	0.35	2.70
-218	0.30	0.35	2.75
-219	0.30	0.35	2.80
-220	0.35	0.35	2.90
-221	0.35	0.35	3.10
-222	0.35	0.35	3.25
-223	0.40	0.35	3.40
-224	0.45	0.35	3.60
-225	0.45	0.35	3.80
-226	0.50	0.40	3.90
-227	0.50	0.40	4.10
-228	0.55	0.45	4.25
-229	0.60	0.45	4.45
-230	0.65	0.45	4.65
-231	0.70	0.45	4.65
-232	0.70	0.50	4.70
-233	0.70	0.50	4.75
-234	0.75	0.50	4.75
-235	0.80	0.55	4.85
-236	0.80	0.55	4.95
-237	0.80	0.55	5.05
-238	0.85	0.55	5.15
-239	0.85	0.55	5.30
-240	0.95	0.65	5.35
-241	0.95	0.65	5.60

SERIES 8-XXX BACK-UP RINGS (242...349)

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-242	1.00	0.70	5.85
-243	1.05	0.70	6.10
-244	1.10	0.70	6.40
-245	1.20	0.70	6.65
-246	1.30	0.70	6.80
-247	1.35	0.70	6.90
-248	1.45	0.70	O/R
-249	1.45	0.85	O/R
-250	1.50	0.85	O/R
-251	1.55	0.85	O/R
-252	1.55	0.85	O/R
-253	1.60	0.85	O/R
-254	1.70	0.90	O/R
-255	1.75	0.90	O/R
-256	1.85	0.90	O/R
-257	1.95	0.90	O/R
-258	2.05	0.95	O/R
-259	2.30	0.95	O/R
-260	2.45	0.95	O/R
-261	2.70	0.95	O/R
-262	2.80	1.00	O/R
-263	4.20	1.00	O/R
-264	4.25	1.00	O/R
-265	4.30	1.00	O/R
-266	4.35	1.05	O/R
-267	4.40	1.05	O/R
-268	4.45	1.10	O/R
-269	4.50	1.10	O/R
-270	4.55	1.10	O/R
-271	4.55	1.15	O/R
-272	4.60	1.15	O/R
-273	4.65	1.20	O/R
-274	4.70	1.20	O/R
-275	5.20	O/R	O/R
-276	6.30	O/R	O/R
-277	6.95	O/R	O/R
-278	7.65	O/R	O/R
-279	8.40	O/R	O/R
-280	9.20	O/R	O/R
-281	14.65	O/R	O/R
-282	15.05	O/R	O/R
-283	16.15	O/R	O/R

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-284	17.25	O/R	O/R
-309	0.25	0.50	O/R
-310	0.25	0.50	O/R
-311	0.25	0.50	O/R
-312	0.25	0.50	O/R
-313	0.25	0.50	O/R
-314	0.25	0.50	O/R
-315	0.30	0.50	O/R
-316	0.30	0.50	O/R
-317	0.30	0.55	O/R
-318	0.35	0.55	O/R
-319	0.35	0.55	O/R
-320	0.35	0.55	O/R
-321	0.40	0.55	O/R
-322	0.40	0.55	O/R
-323	0.40	0.55	O/R
-324	0.45	0.60	O/R
-325	0.45	0.60	4.00
-326	0.50	0.65	4.25
-327	0.55	0.65	4.45
-328	0.55	0.65	4.70
-329	0.55	0.65	4.90
-330	0.60	0.85	5.15
-331	0.65	0.85	5.15
-332	0.65	0.85	6.40
-333	0.70	1.00	6.95
-334	0.75	1.00	7.55
-335	0.85	1.05	8.20
-336	0.85	1.05	8.20
-337	0.90	1.05	8.25
-338	0.95	1.10	8.35
-339	1.05	1.30	8.40
-340	1.10	1.30	8.45
-341	1.20	1.35	8.50
-342	1.25	1.35	8.60
-343	1.30	1.35	8.70
-344	1.35	1.40	8.80
-345	1.45	1.40	8.85
-346	1.55	1.85	9.50
-347	1.65	1.85	10.15
-348	1.80	1.85	10.80
-349	1.95	1.90	11.45

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-350	2.10	1.90	O/R
-351	2.15	1.95	O/R
-352	2.30	1.95	O/R
-353	2.40	2.00	O/R
-354	2.50	2.00	O/R
-355	2.60	2.00	O/R
-356	2.65	2.00	O/R
-357	2.75	2.05	O/R
-358	2.80	2.05	O/R
-359	2.90	2.05	O/R
-360	3.00	2.10	O/R
-361	3.10	2.10	O/R
-362	3.15	3.35	O/R
-363	3.20	3.40	O/R
-364	3.25	3.40	O/R
-365	3.35	3.45	O/R
-366	4.50	3.50	O/R
-367	4.55	3.55	O/R
-368	4.60	3.55	O/R
-369	4.65	3.60	O/R
-370	4.70	3.65	O/R
-371	4.75	3.65	O/R
-372	4.80	3.70	O/R
-373	4.85	3.75	O/R
-374	4.90	3.75	O/R
-375	4.95	3.80	O/R
-376	5.00	3.95	O/R
-377	5.05	O/R	O/R
-378	6.60	O/R	O/R
-379	7.20	O/R	O/R
-380	7.85	O/R	O/R
-381	8.45	O/R	O/R
-382	9.10	O/R	O/R
-383	9.85	O/R	O/R
-384	14.45	O/R	O/R
-385	15.85	O/R	O/R
-386	16.40	O/R	O/R
-387	20.40	O/R	O/R
-388	22.70	O/R	O/R
-389	24.35	O/R	O/R
-390	26.85	O/R	O/R
-391	28.60	O/R	O/R

Reference Dash Number	F:-30 to 250 C:-34 to 121 Nitrile NBR90A 8-XXX $	F:-40 to 250 C:-40 to 121 Urethane AU95A 8-XXX $	F:-15 to 400 C:-26 to 205 PTFE V.PTFE 8-XXX $
-392	31.05	O/R	O/R
-393	32.85	O/R	O/R
-394	35.35	O/R	O/R
-395	37.20	O/R	O/R
-425	2.05	2.80	17.00
-426	2.10	2.80	17.35
-427	2.15	2.80	17.70
-428	2.25	2.80	18.05
-429	2.30	2.80	18.40
-430	2.35	2.85	18.70
-431	2.55	2.85	19.15
-432	2.65	2.90	19.60
-433	2.80	2.90	20.10
-434	3.00	2.90	20.55
-435	3.15	2.90	21.00
-436	3.25	2.95	21.45
-437	3.40	2.95	21.85
-438	3.50	3.00	22.30
-439	3.65	3.00	22.70
-440	3.80	3.05	23.05
-441	3.90	3.05	24.80
-442	5.20	3.10	26.50
-443	5.30	3.10	28.20
-444	5.35	3.15	29.90
-445	5.40	3.15	31.65
-446	5.55	3.15	32.10
-447	5.70	3.15	32.60
-448	5.85	3.20	33.05
-449	5.95	3.20	33.60
-450	7.15	3.25	34.05
-451	7.50	O/R	36.80
-452	7.90	O/R	39.60
-453	8.30	O/R	42.40
-454	8.75	O/R	45.20
-455	9.20	O/R	48.00
-456	9.65	O/R	67.40
-457	10.15	O/R	86.80
-458	10.65	O/R	106.25
-459	19.30	O/R	125.65
-460	20.40	O/R	145.10
-461	21.00	O/R	O/R
-462	21.65	O/R	O/R

SERIES 8-XXX BACK-UP RINGS (463...475)

Reference Dash Number	Nitrile NBR90A 8-XXX F:-30 to 250 C:-34 to 121	Urethane AU95A 8-XXX F:-40 to 250 C:-40 to 121	PTFE V.PTFE 8-XXX F:-15 to 400 C:-26 to 205
	$	$	$
-463	22.20	O/R	O/R
-464	22.80	O/R	O/R
-465	25.05	O/R	O/R
-466	27.20	O/R	O/R
-467	27.80	O/R	O/R
-468	28.35	O/R	O/R
-469	29.50	O/R	O/R
-470	31.20	O/R	O/R

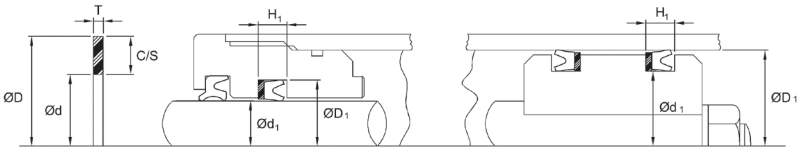
Reference Dash Number	Nitrile NBR90A 8-XXX F:-30 to 250 C:-34 to 121	Urethane AU95A 8-XXX F:-40 to 250 C:-40 to 121	PTFE V.PTFE 8-XXX F:-15 to 400 C:-26 to 205
	$	$	$
-471	33.65	O/R	O/R
-472	36.10	O/R	O/R
-473	38.20	O/R	O/R
-474	42.45	O/R	O/R
-475	45.05	O/R	O/R



8700 - Back-up Rings

Polymyte
V.PTFE





PMYTE Temperature: -65/275F [-50/135C]
V.PTFE Temperature: -320/450F [-196/232C] **Pressure:**

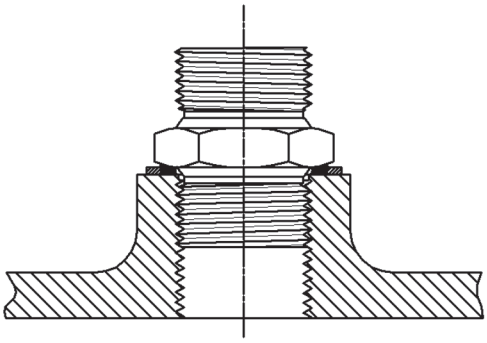
Ref.Number	Nominal Seal Dimensions			PMYTE SD/P	V.PTFE SD/T	Ref.Number	Nominal Seal Dimensions			PMYTE SD/P	V.PTFE SD/T
	d	D	T	$	$		d	D	T	$	$
870300187	0.187	0.375	0.062	0.95	O/R	870601656	1.656	2.031	0.062	1.65	O/R
870300312	0.312	0.500	0.062	1.00	O/R	870601750	1.750	2.125	0.062	1.75	12.70
870300625	0.625	0.812	0.062	1.00	O/R	870601875	1.875	2.250	0.062	1.80	O/R
870400187	0.187	0.437	0.062	1.00	O/R	870602000	2.000	2.375	0.062	1.80	13.10
870400250	0.250	0.500	0.062	1.00	O/R	870602125	2.125	2.500	0.062	1.85	13.45
870400312	0.312	0.562	0.062	1.00	O/R	870602156	2.156	2.531	0.062	1.85	O/R
870400375	0.375	0.625	0.062	1.00	O/R	870602250	2.250	2.625	0.062	1.90	O/R
870400437	0.437	0.687	0.062	1.00	O/R	870602375	2.375	2.750	0.062	1.95	O/R
870400500	0.500	0.750	0.062	1.00	7.95	870602500	2.500	2.875	0.062	1.95	14.15
870400562	0.562	0.812	0.062	1.05	O/R	870602625	2.625	3.000	0.062	O/R	O/R
870400625	0.625	0.875	0.062	1.05	7.95	870602750	2.750	3.125	0.062	2.00	O/R
870400687	0.687	0.937	0.062	1.05	O/R	870602812	2.812	3.187	0.062	2.00	O/R
870400750	0.750	1.000	0.062	1.05	8.10	870602843	2.843	3.218	0.062	2.00	O/R
870400812	0.812	1.062	0.062	1.05	O/R	870602875	2.875	3.250	0.062	2.00	O/R
870400875	0.875	1.125	0.062	1.05	O/R	870603000	3.000	3.375	0.062	2.10	14.25
870400937	0.937	1.187	0.062	1.05	O/R	870603250	3.250	3.625	0.062	2.15	O/R
870401000	1.000	1.250	0.062	1.10	7.90	870603500	3.500	3.875	0.062	2.45	O/R
870401125	1.125	1.375	0.062	1.10	O/R	870604000	4.000	4.375	0.062	3.30	O/R
870401250	1.250	1.500	0.062	1.20	O/R	870701937	1.937	2.375	0.062	1.85	O/R
870500875	0.875	1.187	0.062	1.25	O/R	870702500	2.500	2.937	0.062	2.10	14.35
870500937	0.937	1.250	0.062	1.25	O/R	870702562	2.562	3.000	0.062	2.15	O/R
870501000	1.000	1.312	0.062	1.30	8.75	870702687	2.687	3.125	0.062	2.15	O/R
870501062	1.062	1.375	0.062	1.30	O/R	870702750	2.750	3.185	0.062	2.15	O/R
870501125	1.125	1.437	0.062	1.30	O/R	870702812	2.812	3.250	0.062	2.20	14.90
870501187	1.187	1.500	0.062	1.30	9.50	870702843	2.843	3.281	0.062	2.20	O/R
870501218	1.218	1.531	0.062	1.30	O/R	870703000	3.000	3.437	0.062	2.25	15.05
870501250	1.250	1.562	0.062	1.35	10.35	870703062	3.062	3.500	0.062	2.25	15.80
870501312	1.312	1.625	0.062	1.35	O/R	870800500	0.500	1.000	0.062	1.50	O/R
870501375	1.375	1.687	0.062	1.40	10.80	870800625	0.625	1.125	0.062	1.50	O/R
870501500	1.500	1.812	0.062	1.40	O/R	870800750	0.750	1.250	0.062	1.55	O/R
870600500	0.500	0.875	0.062	1.35	O/R	870800875	0.875	1.375	0.062	1.60	O/R
870600625	0.625	1.000	0.062	1.40	O/R	870801000	1.000	1.500	0.062	1.65	O/R
870600750	0.750	1.125	0.062	1.40	O/R	870801250	1.250	1.750	0.062	1.80	O/R
870600875	0.875	1.250	0.062	1.50	O/R	870801500	1.500	2.000	0.062	1.85	O/R
870601000	1.000	1.375	0.062	1.55	O/R	870801750	1.750	2.250	0.062	1.95	O/R
870601375	1.375	1.750	0.062	1.60	11.15	870802000	2.000	2.500	0.062	2.10	O/R
870601500	1.500	1.875	0.062	1.60	10.70	870802500	2.500	3.000	0.062	2.25	16.00
870601625	1.625	2.000	0.062	1.65	11.95	870802750	2.750	3.250	0.062	2.35	16.55

8700 SERIES - BACK-UP RINGS

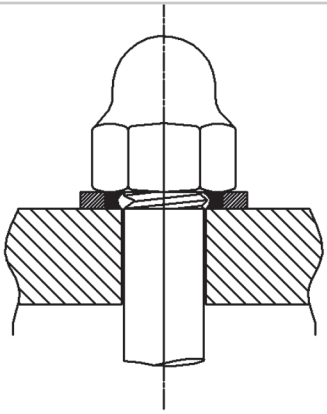
Ref.Number	Nominal Seal Dimensions			PMYTE SD/P	V.PTFE SD/T
	d	D	T	$	$
870803000	3.000	3.500	0.062	2.40	O/R
870803500	3.500	4.000	0.062	3.50	17.15
870803750	3.750	4.250	0.062	3.55	O/R
870803937	3.937	4.500	0.062	3.35	O/R
870804000	4.000	4.500	0.062	3.65	O/R
870804250	4.250	4.750	0.062	3.70	17.95
870804500	4.500	5.000	0.062	3.80	O/R
870804750	4.750	5.250	0.062	3.90	18.20
870805000	5.000	5.500	0.062	3.95	O/R
870805500	5.500	6.000	0.062	4.15	18.90
870806000	6.000	6.500	0.062	4.25	O/R
870806500	6.500	7.000	0.062	23.10	O/R
870807000	7.000	7.500	0.062	23.25	O/R
870807500	7.500	8.000	0.062	23.35	O/R
870808000	8.000	8.500	0.062	23.55	O/R
870902937	2.937	3.500	0.062	3.05	O/R
870904437	4.437	5.000	0.062	3.65	O/R
870904937	4.937	5.500	0.062	4.15	O/R
870905000	5.000	5.562	0.062	4.40	O/R
870905437	5.437	6.000	0.062	4.70	19.00
870905937	5.937	6.500	0.062	5.15	O/R
870906437	6.437	7.000	0.062	21.15	O/R
870906937	6.937	7.500	0.062	21.15	O/R
870907937	7.937	8.500	0.062	23.70	O/R
871001375	1.375	2.000	0.062	2.65	O/R
871002375	2.375	3.000	0.062	2.95	O/R
871003375	3.375	4.000	0.062	3.30	O/R
871004375	4.375	5.000	0.062	3.80	O/R
871005125	5.125	5.750	0.062	4.25	O/R
871005375	5.375	6.000	0.062	4.45	19.50
871005500	5.500	6.125	0.062	4.50	22.10
871006000	6.000	6.625	0.062	18.40	O/R
871006375	6.375	7.000	0.062	19.55	25.20
871006968	6.968	7.593	0.062	20.85	O/R
871007000	7.000	7.625	0.062	21.00	O/R
871007375	7.375	8.000	0.062	21.45	26.05
871008000	8.000	8.625	0.062	23.30	O/R
871008500	8.500	9.125	0.062	24.40	O/R
871109312	9.312	10.000	0.062	28.85	36.25
871109343	9.343	10.031	0.062	29.00	O/R
871201250	1.250	2.000	0.062	2.70	O/R
871202250	2.250	3.000	0.062	3.00	O/R
871203250	3.250	4.000	0.062	3.35	O/R
871204250	4.250	5.000	0.062	4.10	O/R
871205250	5.250	6.000	0.062	4.95	O/R
871205500	5.500	6.250	0.062	5.40	O/R
871206250	6.250	7.000	0.062	23.55	O/R
871206500	6.500	7.250	0.062	24.45	O/R

Ref.Number	Nominal Seal Dimensions			PMYTE SD/P	V.PTFE SD/T
	d	D	T	$	$
871207000	7.000	7.750	0.062	25.15	O/R
871207500	7.500	8.250	0.062	26.00	O/R
871208000	8.000	8.750	0.062	26.65	O/R
871209000	9.000	9.750	0.062	28.25	O/R
871210000	10.000	10.750	0.062	30.10	O/R
871211250	11.250	12.000	0.062	32.50	39.30
871313187	13.187	14.000	0.062	38.30	42.15
871315218	15.218	16.031	0.062	91.20	O/R
871519093	19.093	20.031	0.062	124.95	O/R
871607000	7.000	8.000	0.062	33.65	O/R
871608000	8.000	9.000	0.062	34.90	O/R
871609000	9.000	10.000	0.062	36.25	O/R
871610000	10.000	11.000	0.062	38.05	O/R
871611000	11.000	12.000	0.062	39.90	O/R
871611031	11.031	12.031	0.062	40.20	O/R
871612000	12.000	13.000	0.062	42.55	O/R
871613000	13.000	14.000	0.062	45.45	70.85
871613031	13.062	14.062	0.062	45.70	O/R

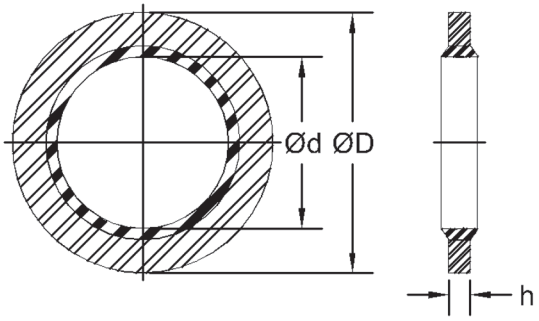
BONDED SEAL TYPICAL APPLICATIONS



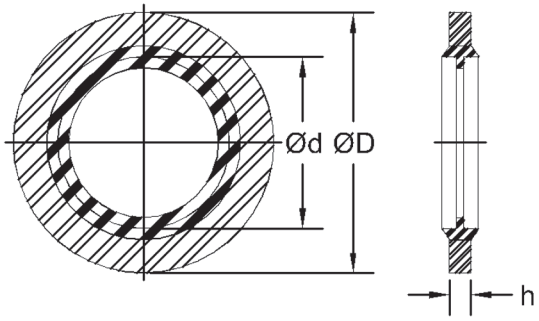
Union



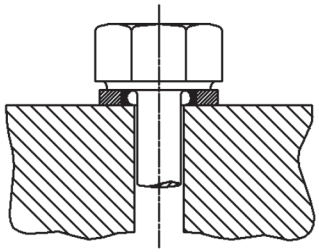
Dome Head



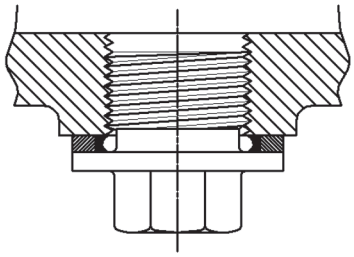
Standard



Self Centering



Bolt Head



Plug

BONDED SEALS - REFERENCE CHART

Ref. Number	Nominal Size Bolt Dia.			d		P		Y	
	in	B.S.P.	mm	in	mm	in	mm	in	mm
BS400001	0.110		2.6	.115/ .125	2.92/ 3.18			.161/ .164	4.09/ 4.17
BS400002	0.142		-	.157/ .167	3.99/ 4.24			.202/ .212	5.13/ 5.39
BS400003	0.185		-	.200/ .210	5.08/ 5.33			.245/ .255	6.22/ 6.48
BS400004	1/4		6	.265/ .275	6.73/ 6.99	.008/.015	0.20/0.38	.310/ .320	7.87/ 8.13
BS400005	1/4		-	.270/ .280	6.86/ 7.11			.370/ .380	9.40/ 9.65
BS400006	5/16		-	.322/ .330	8.18/ 8.38			.370/ .380	9.40/ 9.65
BS400007	5/16		8	.335/ .345	8.51/ 8.76			.390/ .400	9.91/10.16
BS400020	3/8	1/8	-	.403/ .411	10.24/10.44			.461/ .471	11.71/11.96
BS400008	.40		10	.438/ .442	11.13/11.23			.485/ .495	12.32/12.57
BS400009	7/16		11	.455/ .465	11.56/11.81			.510/ .520	12.95/13.21
BS400021	1/2	1/4	12 & 13	.536/ .544	13.61/13.82			.594/ .604	15.09/15.34
BS400010	0.56		14	.580/ .590	14.73/14.99			.640/ .650	16.26/16.51
BS400022	.60		-	.618/ .626	15.70/15.90			.676/ .686	17.17/17.42
BS400011	5/8		16	.645/ .655	16.38/16.64			.733/ .743	18.62/18.87
BS400023		3/8	16	.675/ .683	17.15/17.35			.733/ .743	18.62/18.87
BS400012	11/16		-	.710/ .720	18.03/18.29			.770/ .780	19.56/19.81
BS400024	3/4		18	.770/ .778	19.56/19.76			.839 / .840	21.08/21.34
BS400025	13/16	1/2	20	.843/ .851	21.41/21.62			.901/ .911	22.88/23.14
BS400026	7/8	5/8	22	.920/ .928	23.36/23.57			.978/ .988	24.84/25.10
BS400013	15/16		-	.950/ .960	24.13/24.38			1.020/1.030	25.91/26.16
BS400027	1	3/4	24 & 26	1.060/1.068	26.92/27.13			1.118/1.128	28.40/28.65
BS400028	1 1/16	-	27	1.090/1.100	27.69/27.94	.010/.020	0.25/0.51	1.200/1.210	30.48/30.73
BS400014	1 1/8		28	1.150/1.160	29.21/29.46			1.210/1.220	30.73/30.99
BS400029	1 3/16	7/8	30	1.208/1.216	30.68/30.89			1.266/1.276	32.16/32.41
BS400015	1 1/4		-	1.280/1.290	32.51/32.77			1.400/1.410	35.56/35.81
BS400030	1 5/16	1	33	1.329/1.337	33.76/33.96			1.447/1.457	36.75/37.01
BS400031	1 5/16	1	-	1.329/1.337	33.76/33.96			1.477/1.487	36.75/37.01
BS400016	1 3/8		-	1.410/1.420	35.81/36.07			1.530/1.540	38.86/39.12
BS400017	1 1/2		36 & 38	1.530/1.540	38.86/39.12			1.650/1.660	41.91/42.16
BS400032	1 5/8	1 1/4	39 & 42	1.685/1.693	42.80/43.00			1.803/1.813	45.80/46.05
BS400018	1 3/4		-	1.780/1.790	45.21/45.47			1.900/1.910	48.26/48.51
BS400033	1 7/8	1 1/2	45	1.902/1.910	48.31/48.51			2.018/2.028	51.26/51.51
BS400019	2		48	2.030/2.040	51.56/51.82			2.150/2.160	54.61/54.86
BS400034	2 1/8	1 3/4	52	2.156/2.164	54.76/54.97			2.290/2.300	58.17/58.42
BS400035	2 1/4	-	56	2.280/2.290	57.91/58.17			2.400/2.410	60.96/61.21
BS400036		2	-	2.380/2.390	60.45/60.72			2.500/2.510	63.50/63.75
BS400037	2 1/2	-	60	2.530/2.540	64.26/64.52			2.650/2.660	67.31/67.56
BS400038		2 1/4	64	2.620/2.630	66.55/66.80			2.750/2.760	69.85/70.10
BS400039		2 1/2	68	2.990/3.000	75.95/76.20			3.120/3.130	79.25/79.50

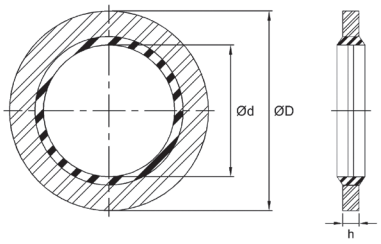
BONDED SEALS - REFERENCE CHART

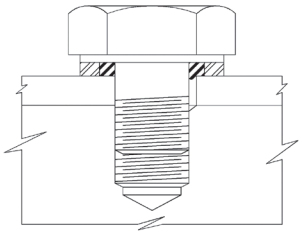
D		h		T		Minimum Bursting Pressure		Ref. Number
in	mm	in	mm	in	mm	p.s.i.	bar	
.250/ .255	6.35/ 6.48			0.210	5.33	18100	1250	BS400001
.286/ .291	7.26/ 7.39			0.270	6.86	13000	900	BS400002
.330/ .335	8.38/ 8.51			0.310	7.87	11400	785	BS400003
.520/ .525	13.21/13.34	.048/.054	1.22/1.37	0.380	9.65	21200	1460	BS400004
.525/ .530	13.34/13.46			0.430	10.92	14900	1025	BS400005
.525/ .530	13.34/13.46			0.480	12.19	14900	1025	BS400006
.560/ .565	14.22/14.35			0.480	12.19	15100	1040	BS400007
.625/ .630	15.88/16.00			0.560	14.22	13200	910	BS400020
.723/ .727	18.36/18.47				14.73	17300	1190	BS400008
.750/ .755	19.05/19.18			0.600	15.24	16400	1130	BS400009
.810/ .815	20.57/20.70	.080/.086	2.03/2.18	0.690	17.53	13600	935	BS400021
.875/ .880	22.23/22.35			0.730	18.54	13700	940	BS400010
.875/ .880	22.23/22.35			0.770	19.56	11400	785	BS400022
1.000/1.005	25.40/25.53				21.08	13700	940	BS400011
.937/.942	23.80/23.93			0.830	21.08	10900	750	BS400023
1.000/1.005	25.40/25.53			0.870	22.10	11400	785	BS400012
1.060/1.065	26.92/27.05			0.920	23.37	10900	750	BS400024
1.125/1.130	28.58/28.70			1.000	25.40	10000	690	BS400025
1.250/1.255	31.75/31.88			1.080	27.43	11000	755	BS400026
1.310/1.315	33.27/33.40	.092/.102	2.34/2.60	1.120	28.45	11100	760	BS400013
1.375/1.380	34.93/35.05			1.220	30.99	9400	645	BS400027
1.520/1.525	38.61/38.74			1.310	33.27	11400	785	BS400028
1.440/1.445	36.58/36.70			1.310	33.27	7600	525	BS400014
1.500/1.505	38.10/38.23			1.370	34.80	7700	530	BS400029
1.630/1.635	41.40/41.53	.128/.138	3.25/3.51	1.510	38.35	6650	455	BS400015
1.685/1.690	42.80/42.93			1.550	39.37	7000	480	BS400030
1.685/1.690	42.80/42.93	.092/.102	2.34/2.60	1.550	39.37	7000	480	BS400031
1.750/1.755	44.45/44.58			1.640	41.66	5900	405	BS400016
1.880/1.885	47.75/47.88			1.760	44.70	5800	400	BS400017
2.062/2.067	52.38/52.50			1.900	48.26	5800	400	BS400032
2.250/2.255	57.15/57.28			2.000	50.80	7700	530	BS400018
2.307/2.312	58.60/58.72			2.110	53.59	5800	400	BS400033
2.500/2.505	63.50/63.63	.128/.138	3.25/3.51	2.260	57.40	6900	475	BS400019
2.750/2.755	69.85/69.98			2.400	60.96	8300	570	BS400034
2.770/2.775	70.36/70.49			2.520	64.01	6300	430	BS400035
2.875/2.880	73.03/73.15			2.600	66.04	6300	430	BS400036
3.060/3.065	77.72/77.85			2.770	70.36	6300	430	BS400037
3.130/3.135	79.50/79.63			2.870	72.90	6000	410	BS400038
3.555/3.560	90.17/90.30			3.220	81.79	6000	410	BS400039

BS400 - Bonded Seal

Carbon Steel/NBR
Carbon Steel/FPM







NBR Temperature: -65/225F [-54/107C] **FPM Temperature: -15/400F [-26/205C]**

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS400001	0.115	0.250	0.048	0.95	3.20
BS400002	0.157	0.286	0.048	0.95	3.20
BS400003	0.200	0.330	0.048	1.00	3.25
BS400004	0.265	0.520	0.048	1.05	4.50
BS400005	0.270	0.525	0.048	1.05	4.50
BS400006	0.322	0.525	0.048	1.05	4.50
BS400007	0.335	0.560	0.048	1.05	4.50
BS400008	0.438	0.723	0.080	1.20	4.95
BS400009	0.455	0.750	0.080	1.25	5.05
BS400010	0.580	0.875	0.080	1.30	5.25
BS400011	0.645	1.000	0.080	1.40	5.70
BS400012	0.710	1.000	0.092	1.60	6.30
BS400013	0.950	1.310	0.092	1.85	8.70
BS400014	1.150	1.440	0.092	2.20	9.50
BS400015	1.280	1.630	0.128	3.00	11.95
BS400016	1.410	1.750	0.128	3.40	13.60
BS400017	1.530	1.880	0.128	3.30	13.30
BS400018	1.780	2.250	0.128	5.05	18.05
BS400019	2.030	2.500	0.128	5.15	18.75
BS400020	0.403	0.625	0.080	1.20	4.90

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS400021	0.536	0.810	0.080	1.25	5.15
BS400022	0.618	0.875	0.080	1.30	5.25
BS400023	0.675	0.937	0.080	1.40	5.60
BS400024	0.770	1.060	0.092	1.75	8.60
BS400025	0.843	1.125	0.092	1.80	8.70
BS400026	0.920	1.250	0.092	1.90	8.80
BS400027	1.060	1.375	0.092	2.00	9.30
BS400028	1.090	1.520	0.092	2.25	9.75
BS400029	1.208	1.500	0.092	2.25	9.70
BS400030	1.329	1.685	0.128	3.25	13.15
BS400031	1.329	1.685	0.092	2.70	10.90
BS400032	1.685	2.062	0.128	4.75	16.55
BS400033	1.902	2.307	0.128	5.00	17.90
BS400034	2.156	2.750	0.128	5.80	23.20
BS400035	2.280	2.770	0.128	5.90	23.50
BS400036	2.380	2.875	0.128	6.05	24.00
BS400037	2.530	3.060	0.128	6.65	26.55
BS400038	2.620	3.130	0.128	6.80	27.10
BS400039	2.990	3.555	0.128	10.60	33.35

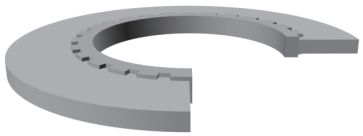
SERIES BS400SC - SELF CENTERING

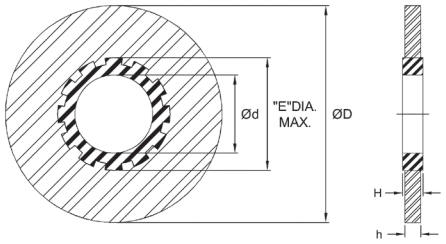
Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS400011SC	0.650	1.000	0.080	1.55	6.15
BS400012SC	0.715	1.000	0.092	1.75	8.60
BS400020SC	0.403	0.625	0.080	1.30	5.20
BS400021SC	0.536	0.810	0.080	1.35	5.50
BS400023SC	0.675	0.937	0.080	1.55	6.05
BS400025SC	0.843	1.125	0.092	1.90	9.00
BS400026SC	0.920	1.250	0.092	2.20	9.45
BS400027SC	1.060	1.375	0.092	2.35	9.85

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS400029SC	1.208	1.500	0.092	2.45	10.20
BS400030SC	1.329	1.685	0.128	4.35	14.35
BS400031SC	1.329	1.685	0.092	O/R	O/R
BS400032SC	1.685	2.062	0.128	5.00	17.90
BS400033SC	1.902	2.307	0.128	5.30	19.60
BS400034SC	2.156	2.750	0.128	6.30	25.05
BS400036SC	2.380	2.875	0.128	6.60	26.10
BS400038SC	2.620	3.130	0.128	8.80	29.65
BS400039SC	2.990	3.555	0.128	11.30	42.60

600 - Stat-O-Seal

Cadmium Plated Steel/NBR





Temperature: -65/225F [-54/107C] **Pressure:**

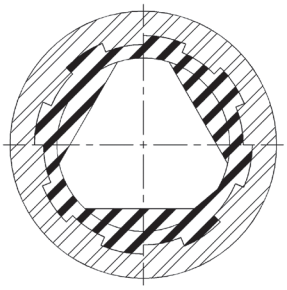
Ref.Number	Nominal Seal Dimensions			$	Ref.Number	Nominal Seal Dimensions			$
	d	D	h			d	D	h	
600-001-6-1	0.130	0.385	0.040	1.60	600-001-7/16-1	0.427	0.760	0.050	1.75
600-001-8-1	0.156	0.385	0.040	1.35	600-001-1/2-1	0.490	0.880	0.050	1.90
600-001-10-1	0.180	0.443	0.050	1.30	600-001-9/16-1	0.552	1.067	0.050	2.35
600-001-10OS-1	0.186	0.468	0.050	1.30	600-001-5/8-1	0.615	1.193	0.050	2.55
600-001-1/4-1	0.240	0.505	0.050	1.30	600-001-3/4-1	0.740	1.322	0.064	3.20
600-001-1/4OS-2	0.245	0.531	0.050	1.30	600-001-7/8-1	0.864	1.510	0.064	4.80
600-001-5/16-1	0.301	0.603	0.050	1.35	600-001-1	0.988	1.760	0.064	6.30
600-001-3/8-1	0.364	0.666	0.050	1.50					

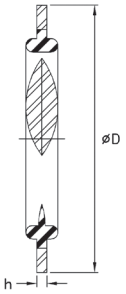
FASTENER SIZE (DASH NO.)	THREAD MAJOR DIAMETER	d +/- .010	E DIAMETER MAXIMUM	D +/- .010	h	H	DIAMETRAL CLEARANCE
-6	0.138	0.130	0.229	0.385	.040 +/- .004	.050 +/- .003	1/64 MAX.
-8	0.164	0.156	0.255	0.385	.040 +/- .004	.050 +/- .003	1/64 MAX.
-10	0.190	0.180	0.317	0.443	.040 +/- .004	.050 +/- .003	1/64 MAX.
-10 O.S.	0.190	0.186	0.365	0.468	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-1/4	0.250	0.240	0.381	0.505	.050 +/- .005	.072 +/- .005	1/64 MAX.
-1/4 O.S.	0.250	0.245	0.422	0.531	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-5/16	0.312	0.301	0.488	0.603	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-3/8	0.375	0.364	0.546	0.666	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-7/16	0.438	0.427	0.618	0.760	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-1/2	0.500	0.490	0.696	0.880	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-9/16	0.562	0.552	0.759	1.067	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-5/8	0.625	0.615	0.818	1.193	.050 +/- .005	.072 +/- .005	1/64 TO 1/32
-3/4	0.750	0.740	0.982	1.322	.064 +/- .005	.096 +/- .005	1/64 TO 1/32
-7/8	0.875	0.864	1.105	1.510	.064 +/- .005	.096 +/- .005	1/64 TO 1/32
-1	1.000	0.988	1.234	1.760	.064 +/- .005	.096 +/- .005	1/64 TO 1/32

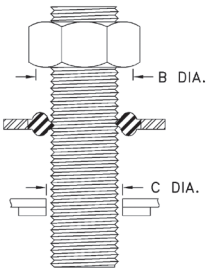
7500 - ThredSeal

Steel/NBR









Temperature: -65/225F [-54/107C] **Pressure:**

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
7500-6-1		0.406	0.051	3.85
7500-8-1		0.406	0.051	3.85
7500-10-1		0.469	0.051	3.30
7500-1/4-1		0.562	0.051	3.55
7500-5/16-1		0.687	0.064	4.15
7500-3/8-1		0.750	0.064	4.75
7500-7/16-1		0.906	0.078	5.95
7500-1/2-1		1.000	0.078	6.10
7500-9/16-1		1.094	0.094	6.85
7500-5/8-1		1.187	0.094	7.30

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
7500-3/4-1		1.375	0.109	11.00
7500-7/8-1		1.562	0.109	15.20
7500-1-1		1.750	0.120	30.30
7500-11/8-1		1.875	0.120	46.10
7500-11/4-1		2.000	0.120	50.85
7500-13/8-1		2.125	0.120	53.15
7500-11/2-1		2.250	0.120	55.35

SIZE (DASH NO.)	MIN. DIA OF MATTING SURFACES	RECOMMENDED CLEARANCE DIAMETER	MIN. C'BORE DEPTH OR WASHER THK	DIA. OF 90 C'SK PER MS20002C	CLOSE FITTING HOLE DIA. PER MS20002C
-6	0.375	.143/.149	0.016	.212/.222	.140/.148
-8	0.375	.170/.177	0.016	.238/.248	.166/.174
-10	0.375	.198/.206	0.016	.264/.274	.192/.200
-0.25	0.438	.260/.271	0.031	.334/.344	.252/.260
-0.3125	0.500	.327/.339	0.031	.396/.406	.315/.324
-0.375	0.625	.392/.406	0.031	.483/.495	.378/.388
-0.4375	0.688	.458/.474	0.047	.543/.557	.441/.451
-0.5	0.750	.523/.541	0.047	.604/.620	.504/.515
-0.5625	0.875	.598/.609	0.047	.667/.687	.562/.579
-0.625	1.000	.654/.676	0.063	.765/.785	.631/.643
-0.75	1.125	.788/.812	0.063	.890/.910	.757/.770
-0.875	1.250	.921/.947	0.094	1.015/1.035	.884/.897
-1	1.438	1.054/1.082	0.094	1.140/1.160	1.010/1.025
-1.125	1.563	1.187/1.217	0.094	1.265/1.285	1.135/1.150
-1.25	1.688	1.321/1.353	0.125	1.427/1.447	1.260/1.275
-1.375	1.813	1.454/1.488	0.125	1.552/1.572	1.385/1.400
-1.5	1.938	1.587/1.623	0.125	1.677/1.697	1.510/1.525
-1.625	2.188	1.721/1.758	0.156		
-1.75	2.375	1.855/1.893	0.156		

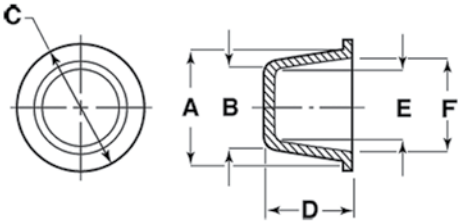
	CAPS & PLUGS - TAPERED	H	2
	CAPS & PLUGS - OR SERIES	H	3
	CAPS & PLUGS - BFP/XP SERIES	H	4
	CAPS & PLUGS - T & TH SERIES	H	5
	CAPS & PLUGS - G SERIES	H	6
	CAPS & PLUGS - TP SERIES	H	6
	CAPS & PLUGS - TMO SERIES	H	7
	HERNON - INSTANT ADHESIVES	H	8
	HERNON - ASSEMBLY PRODUCTS	H	9
	HERNON - NUTS N'BOLTS	H	10
	HERNON - CYLINLOCK	H	12
	HERNON - GASKETING PRODUCTS	H	13
	HERNON - PIPE THREAD SEALING	H	14
	HERNON - SURFACE PREPARATION	H	16
	ANTI-SEIZE	H	17
	LOCK NUTS	H	18
	RETAINING RINGS - N1300	H	19
	RETAINING RINGS - N1400	H	20
	RETAINING RINGS - CAT INTERNAL	H	22
	RETAINING RINGS - CAT EXTERNAL	H	23
	R.RINGS - SELECTION GUIDE	H	24
	RETAINING RINGS - WH	H	26
	RETAINING RINGS - WHM	H	28
	RETAINING RINGS - WHT	H	30
	RETAINING RINGS - WS	H	31
	RETAINING RINGS - WSM	H	33
	RETAINING RINGS - WST	H	35

Tapered Caps and Plugs

Numbered Series

Specifications:
- Standard Color:Blue
- Standard Material:
  Low Density Polyethylene





Ref. Number	Use as a plug A		B		C		D		Use as a cap E		F		Commom Uses/Plugs NPT/BSP	Standard Thread	Metric Thread	Commom uses/caps NPT/BSP	Standard Thread	Metric Thread	$
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm							
CP-2	0.240	6.10	0.175	4.45	0.375	9.53	0.375	9.53	0.109	2.77	0.175	4.45	-	-	M6	-	-	M4	0.15
CP-3	0.268	6.81	0.209	5.31	0.375	9.53	0.375	9.53	0.127	3.23	0.193	4.90	-	-	M8	-	-	M5, M6	0.15
CP-5	0.302	7.67	0.240	6.10	0.469	11.91	0.375	9.53	0.175	4.45	0.240	6.10	-	5/16"	-	-	-	-	0.15
CP-7	0.365	9.27	0.300	7.62	0.531	13.49	0.375	9.53	0.234	5.94	0.301	7.65	-	3/8"	-	-	15/64"	-	0.15
CP-7-W	0.365	9.27	0.300	7.62	0.680	17.27	0.375	9.53	0.234	5.94	0.301	7.65	-	3/8"	-	-	15/64"	-	O/R
CP-7-S	0.365	9.27	0.330	8.38	0.500	12.70	0.219	5.56	0.266	6.76	0.301	7.65	-	3/8"	-	-	-	-	O/R
CP-8	0.398	10.11	0.330	8.38	0.563	14.29	0.375	9.53	0.275	6.99	0.330	8.38	1/8"		-	M10	-	M8	0.15
CP-9	0.428	10.87	0.360	9.14	0.594	15.08	0.375	9.53	0.299	7.59	0.365	9.27	-	7/16"	-	-	-	-	0.15
CP-10	0.460	11.68	0.390	9.91	0.625	15.88	0.375	9.53	0.325	8.26	0.396	10.06	-	-	M12	1/8"	3/8"	M10	0.15
CP-11	0.485	12.32	0.420	10.67	0.594	15.08	0.342	9.53	0.356	9.04	0.421	10.69	1/4"	1/2"	-	1/8"	-	-	0.15
CP-12	0.512	13.00	0.447	11.35	0.625	15.88	0.406	10.32	0.385	9.78	0.448	11.38	-	-	M14	-	7/16"	-	0.15
CP-13	0.547	13.89	0.490	12.45	0.719	18.26	0.500	12.70	0.409	10.39	0.485	12.32	-	9/16"	-	-	1/2"	M12	0.15
CP-13-SP	0.545	13.84	0.478	12.14	0.719	18.26	0.313	7.94	0.410	10.41	0.480	12.19	-	9/16"	-	-	1/2"	-	O/R
CP-13-W	0.547	13.89	0.478	12.14	0.875	22.23	0.500	12.70	0.409	10.39	0.485	12.32	-	9/16"	-	-	1/2"	-	0.15
CP-16	0.620	15.75	0.531	13.49	0.750	19.05	0.500	12.70	0.468	11.89	0.555	14.10	-	5/8"	M16	1/4"	-	-	0.15
CP-17	0.634	16.10	0.550	13.97	0.781	19.84	0.500	12.70	0.485	12.32	0.568	14.43	3/8"	-	-	-	9/16"	M14	0.15
CP-18	0.675	17.15	0.580	14.99	0.875	22.23	0.531	13.49	0.520	13.21	0.605	15.37	-	-	M18	-	5/8"	M16	0.15
CP-21	0.728	18.49	0.641	16.28	0.875	22.23	0.500	12.70	0.575	14.61	0.665	16.89	-	3/4"	M18, M20	-	-	-	0.15
CP-22	0.754	19.15	0.675	17.15	0.875	22.23	0.625	15.88	0.615	15.62	0.690	17.53	-	-	M20	3/8"	-	-	0.15
CP-23	0.785	19.94	0.690	17.53	0.938	23.81	0.625	15.88	0.625	15.88	0.724	18.39	1/2"	-	-	-	-	M18	0.15
CP-26	0.825	20.96	0.725	18.42	1.000	25.40	0.500	12.70	0.662	16.81	0.760	19.30	-	-	M22	-	3/4"	-	0.15
CP-26-L	0.825	20.96	0.725	18.42	0.970	24.64	0.590	14.99	0.662	16.81	0.760	19.30	-	-	-	-	-	3/4"	O/R
CP-27	0.848	21.54	0.750	19.05	1.031	26.19	0.625	15.88	0.686	17.42	0.777	19.74	-	7/8"	M22	-	-	-	0.15
CP-28	0.910	23.11	0.802	20.37	1.094	27.78	0.750	19.05	0.725	18.42	0.846	21.49	5/8"	-	M24	1/2"	-	M20	0.20
CP-29	0.931	23.65	0.820	20.83	1.125	28.58	0.625	15.88	0.754	19.15	0.868	22.05	-	-	-	-	7/8"	-	0.20
CP-30	0.973	24.71	0.856	21.74	1.125	28.58	0.750	19.05	0.758	19.51	0.906	23.01	3/4"	-	-	-	-	-	0.20
CP-31	0.975	24.77	0.870	22.10	1.125	28.58	0.625	15.88	0.804	20.42	0.920	23.37	3/4"	-	-	-	-	M22	0.20
CP-35	1.040	26.42	0.895	22.73	1.140	29.37	0.750	19.05	0.832	21.13	0.975	24.77	3/4"	1-1/16"	M26, M27	5/8"	-	M24	0.25
CP-40	1.091	27.71	0.966	24.54	1.250	31.75	0.750	19.05	0.902	22.91	1.025	26.04	-	-	M27	-	-	-	0.25
CP-41	1.145	29.08	1.002	25.45	1.313	33.34	0.750	19.05	0.938	23.83	1.079	27.41	-	-	-	3/4"	1-1/16"	-	0.25
CP-42	1.230	31.24	1.110	28.19	1.516	38.50	0.750	19.05	1.038	26.37	1.180	29.97	7/8", 1"	-	M25	-	-	M27, M28	0.25
CP-44	1.285	32.64	1.180	29.97	1.438	36.51	0.750	19.05	1.105	28.07	1.215	30.86	1"	1-5/16"	M32, M33	7/8"	-	M30	0.25
CP-45	1.350	34.29	1.225	31.12	1.500	38.10	0.750	19.05	1.160	29.46	1.295	32.89	-	-	M35, M36	-	-	M32, M33	0.25
CP-46	1.350	34.29	1.235	31.37	1.500	38.10	0.750	19.05	1.140	28.96	1.295	32.89	-	-	-	1"	1-5/16"	-	0.25
CP-49	1.465	37.21	1.311	33.30	1.625	41.28	0.750	19.05	1.249	31.72	1.400	35.56	-		-M36, M38, M39	1"	-	M35	0.30
CP-53	1.600	40.64	1.450	36.83	1.750	44.45	0.750	19.05	1.385	35.18	1.535	38.99	1-1/4"		-M39, M40, M42	1-1/8"	-	M38	0.30
CP-54	1.602	40.69	1.520	38.61	1.750	44.45	0.750	19.05	1.456	36.98	1.537	39.04	-	1-5/8"	-	-	-	-	0.35
CP-55	1.673	42.49	1.560	39.62	1.875	47.63	0.750	19.05	1.497	38.02	1.620	41.15	-	1-3/4"	M54	1-1/4"	1-5/8"	M39, M40	0.35

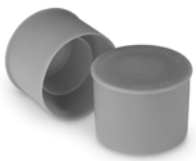
TAPERED CAPS AND PLUGS - NUMBERED SERIES

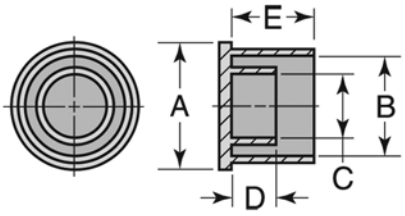
Ref. Number	Use as a plug								Use as a cap				Commom Uses/Plugs			Commom uses/caps			$
	A		B		C		D		E		F		NPT/BSP	Standard Thread	Metric Thread	NPT/BSP	Standard Thread	Metric Thread	
	in	*mm*	in	*mm*	in	*mm*	in	*mm*	in	*mm*	in	*mm*							
CP-56	1.750	44.45	1.606	40.79	1.938	49.21	0.750	19.05	1.568	39.83	1.685	42.80	-	-	M45	1-1/4"	-	M42	0.40
CP-57	1.870	47.50	1.735	44.07	2.031	51.60	0.750	19.05	1.675	42.55	1.820	46.23	1-1/2"	1-7/8"	M48	-	-	M45	0.40
CP-58	1.958	49.73	1.806	45.87	2.125	53.98	1.000	25.40	1.745	44.32	1.893	48.08	-	-	M48	1-1/2"	1-7/8"	-	0.40
CP-60	2.020	51.31	1.846	46.89	2.125	53.98	1.000	25.40	1.785	45.34	1.938	49.23	-	-	-	1-1/2"	-	-	0.45
CP-62	2.085	52.96	1.902	48.31	2.250	57.15	1.000	25.40	1.839	46.71	2.015	51.18	-	-	M52	-	-	M48	0.55
CP-66	2.253	57.23	2.062	52.37	2.438	61.91	1.031	26.20	2.000	50.80	2.175	55.25	-	2-1/4"	M55, M56	1-3/4"	-	-	0.60
CP-67	2.355	59.82	2.156	54.76	2.625	66.68	1.000	25.40	2.084	52.93	2.288	58.12	2"	-	M58, M60	-	2-1/4"	M58	0.65
CP-68	2.279	57.90	2.224	56.50	2.500	63.50	0.500	12.70	2.150	54.60	2.221	56.41	2"	-	-	-	-	-	0.65
CP-71	2.485	63.12	2.300	58.42	2.625	66.68	1.000	25.40	2.235	56.77	2.400	60.96	-	-	M60, M62	2"	-	-	0.65
CP-73	2.605	66.17	2.395	60.83	2.625	66.68	1.000	25.40	2.331	59.21	2.541	64.54	-	-	-	-	2-1/2"	-	1.15
CP-78	2.805	71.25	2.645	67.18	3.000	76.20	0.500	12.70	2.580	65.53	2.725	69.22	2-1/2"	-	-	-	-	-	1.25
CP-81	3.000	76.20	2.720	69.09	3.125	79.38	1.000	25.40	2.626	66.70	2.950	74.93	-	-	M75, M76	2-1/2"	-	-	1.30
CP-82	2.980	75.69	2.850	72.39	3.250	82.55	0.750	19.05	2.785	70.74	2.920	74.17	-	3"	-	-	-	-	1.50

Tapered Caps and Plugs

OR Series

Specifications:
- Standard Color:Blue
- Standard Material:
  Low Density Polyethylene





Ref. Number	To Fit Thread	A		B		C		D		E		$
		inches	*mm*	inches	*mm*	inches	*mm*	inches	*mm*	inches	*mm*	
CP-OR-4	9/16"-18	0.875	22.23	0.768	19.51	0.500	12.70	0.326	8.28	0.578	14.68	0.70
CP-OR-6	11/16"-16	1.000	25.40	0.901	22.89	0.594	15.08	0.370	9.40	0.672	17.07	0.70
CP-OR-8	13/16"-16	1.156	29.37	1.053	26.75	0.750	19.05	0.430	10.92	0.828	21.03	0.80
CP-OR-10	1"-14	1.375	34.93	1.255	31.88	0.906	23.02	0.530	13.46	0.922	23.42	0.90
CP-OR-12	1-3/16"-12	1.625	41.28	1.530	38.86	1.094	27.78	0.560	14.48	1.031	26.19	1.00
CP-OR-16	1-7/16"-12	1.844	46.83	1.804	45.82	1.344	34.13	0.580	14.73	1.094	27.78	1.55
CP-OR-20	1-11/16"-12	2.125	53.98	2.093	53.16	1.594	40.48	0.580	14.73	1.094	27.78	2.40
CP-OR-24	2"-12	2.688	68.26	2.520	64.01	1.875	47.63	0.580	14.73	1.094	27.78	3.30

Tapered Caps and Plugs

Bolted Flange Protection
BFP/XP Series



Specifications:

- Provided face coverage with lugs firmly positioned into bolt holes.
- Standard Color: 3000lb - Blue
  Standard Color: 6000lb - Red
  Standard Material: Low Density Polyethylene.

Used on 3000LB	$	Used on 6000LB	$
CP-BFP-1/2	1.03	-	2.35
CP-BFP-3/4	0.90	CP-XP-3/4	1.10
CP-BFP-1	0.91	CP-XP-1	1.15
CP-BFP-1-1/4	1.01	CP-XP-1-1/4	1.25
CP-BFP-1-1/2	1.08	CP-XP-1-1/2	1.45
CP-BFP-2	1.82	CP-XP-2	2.25
CP-BFP-2-1/2	1.95	-	2.30



Threaded Plugs

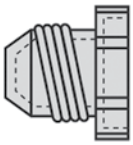
T Series

Specifications:

- Standard Color:Red
- Standard Material: Low Density Polyethylene
- Conforms to Mil-C5501, with exeptions of Flare Angle variance of 2°







Ref.Number	Tubing Size (inches)	SAE Thread Size	SAE/JIC Fitting Size	$
CP-T-1	1/8	5/16"-24	2	0.20
CP-T-2	3/16	3/8"-24	3	0.30
CP-T-3	1/4	7/16"-20	4	0.30
CP-T-4	5/16	1/2"-20	5	0.30
CP-T-5	3/8	9/16"-18	6	0.30
CP-T-7	1/2	3/4"-16	8	0.30
CP-T-8	5/8	7/8"-14	10	0.35
CP-T-9	3/4	1-1/16"-12	12	0.35
CP-T-12	1	1-5/16"-12	16	0.65
CP-MPN-261	1-1/4	1-5/8"-12	20	0.65

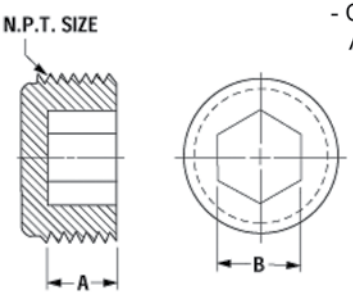
Threaded (npt) Plugs

TH Series

Specifications:

- Material: High-Density Polyethylene
- Color: Black
  Applicable Spec: **MIL-C-5501/5**





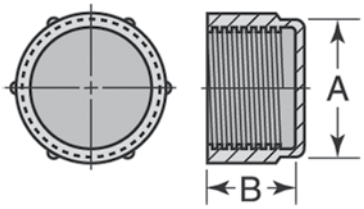
Ref. Number	To Plug NPT Thread Size	Dimensions A		B		$
		inches	*mm*	inches	*mm*	
CP-TH-3	1/4	0.312	7.87	0.250	6.35	2.35
CP-TH-5	3/8	0.375	9.65	0.312	7.87	3.10
CP-TH-7	1/2	0.375	9.65	0.375	9.65	3.75
CP-TH-9	3/4	0.500	12.70	0.557	14.22	4.20
CP-TH-11	1	0.531	13.46	0.625	16.00	9.10

Threaded Cap

G Series

Specifications:
- Standard Color: Blue
- Standard Material: Low Density Polyethylene





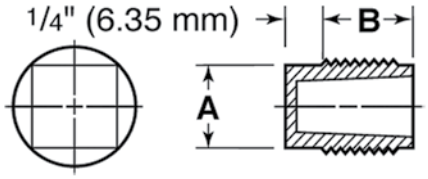
Ref. Number	Standard Thread Size	Tubing O.D. Size		A		B		$
		inches	*mm*	inches	*mm*	inches	*mm*	
CP-G-2	7/16”-20	0.250	6.35	0.500	12.70	0.500	12.70	0.20
CP-G-8	9/16”-18	0.375	9.53	0.625	15.88	0.500	12.70	0.20
CP-G-14	3/4”-16	0.500	12.70	0.813	20.64	0.625	15.88	0.25
CP-G-17	7/8”-14	0.625	15.88	0.938	23.81	0.719	18.26	0.25
CP-G-22	1-1/16”-12	0.750	19.05	1.125	28.58	0.813	20.64	0.30
CP-G-25	1-3/16”-12	0.875	7.14	1.250	31.75	0.938	23.81	0.65
CP-G-27	1-5/16”-12	1.000	25.40	1.375	34.93	0.875	22.23	0.65

Threaded (npt) Plugs

TP Series

Specifications:
- Standard Color: Blue
- Standard Material: High Density Polyethylene





Ref. Number	Standard Thread Size	Dimensions A		B		$
		inches	*mm*	inches	*mm*	
CP-TP-1	1/8	0.281	7.14	0.375	9.53	0.30
CP-TP-3	1/4	0.375	9.53	0.437	11.11	0.35
CP-TP-5	3/8	0.437	11.11	0.500	12.70	0.40
CP-TP-7	1/2	0.562	14.29	0.562	14.29	0.40
CP-TP-9	3/4	0.687	17.46	0.625	15.88	0.50
CP-TP-11	1	0.750	19.05	0.375	9.53	1.80
CP-TP-13	1 1/4	1.000	25.40	0.830	21.08	3.90
CP-TP-15	1 1/2	1.250	31.75	0.830	21.08	4.05

* CP-TP-13 and CP-TP-15 is available only in black

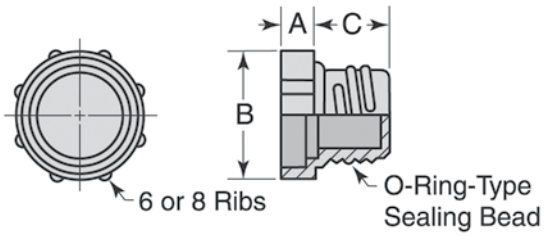
Threaded Plugs

TMO Series

Specifications:

- Standard Color: Red
- Standard Material: Low Density Polyethylene





Ref. Number	Standard Thread Size	Tubing O.D. Size		A		B		$
		inches	*mm*	inches	*mm*	inches	*mm*	
CP-TMO-104	7/16”-20	0.320	8.13	0.650	16.50	0.380	9.65	0.95
CP-TMO-105	1/2”-20	0.320	8.13	0.720	18.20	0.380	9.65	1.05
CP-TMO-106	9/16”-18	0.360	9.14	0.780	19.80	0.380	9.65	1.25
CP-TMO-108	3/4”-16	0.400	10.16	0.980	24.80	0.380	9.65	1.30
CP-TMO-110	7/8”14	0.450	11.43	1.110	28.20	0.380	9.65	1.45
CP-TMO-112	1-1/16”-12	0.620	15.75	1.310	33.20	0.380	9.65	1.75
CP-TMO-116	1-5/16”-12	0.620	15.75	1.560	39.60	0.380	9.65	2.15
CP-TMO-120	1-5/8”-12	0.620	15.75	1.880	47.70	0.380	9.65	3.20



INSTANT ADHESIVES - CYANOACRYLATES

Instantbond™ & Quantum™
for instant bonding

Main Benefits
- Simplifies process with single dispensing
- Reduces assembly time with extremely fast curing at room temperature
- High versatility with good adhesion to a wide range of materials and surfaces



Features
- Instantbond™ and Quantum™ cyanoacrylate adhesives cure rapidly upon contact with a weak alkaline base (usually surface moisture)

Other Benefits
- Wide formulation range for different applications and performance
- Good compressive, tensile and shear strength

Typical Application
- Bonding of rubber O-ring and seal
- Loudspeaker assembly
- Assembly of toys
- Tacking of electronic components



Application Notes
- For faster curing and better adhesion, apply sparingly on clean, close fitted surfaces.
- To reduce blooming (white residue) around the bondline, air ventilation is recommended along with EF™ Accelerator 58 or by using Quantum™ Low Odor Low Bloom series.
- Difficult to bond plastics like silicone rubber, polyethylene, polypropylene, Santoprene and Teflon, require EF™ Adhesion Promoter 42 applied directly to the resistant substrate, before joining parts.
- Full functional strength develops in a fairly short time, while full chemical and solvent resistance results only after 24 hours of full cure.
- Uncured adhesives may cause stress cracking of some plastics like acrylics, polycarbonates, etc. This can be avoided by immediate assembly and curing of the adhesive.

Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
113	495	HER311303	Instantbond Low Viscosity	Tube 3 g	5.85
		HER311328	Instantbond Low Viscosity	Bottle 1 oz/ 28.4 g	25.35
138	454	HER313821	Quantum Surface Insensivive	Tube 20 g	40.75

Protective & assembly products for electronics industry

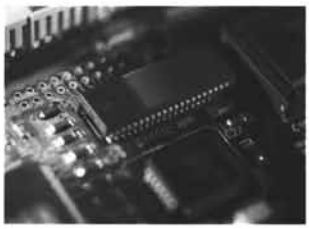
HERNON

The rapid changes in size and complexity of modern electronics pose demanding challenges and expectations for developers and manufacturers. Hernon products bridge this gap with its focus on ensuring protection from stresses and damage while enhancing manufacturing processes.



Board Level Protection

Hernon's potting, conformal coating and encapsulation compounds ensure utmost protection of the printed circuit board from impact, thermal cycling, corrosion and even security breaches.







Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
305	445	HER330524	Fast Cure Epoxy (5min fixture) Clear	Dual Syringe 1 oz	19.40

NUTS N'BOLTS

Nuts N' Bolts™ for threadlocking

Main Benefits

- Increases operational reliability by preventing loosening of threaded assemblies
- Lowers your inventories and costs by using one bottle for all thread sizes



Features

- Fills the gaps between the threaded metallic surfaces by undergoing anaerobic (absence of oxygen) cure, tightening bolts against vibrations, impact and thermal expansion.
- Replaces mechanical fasteners like spring washers, lockwashers and nylon inserts, tab washers or split pins.



Other Benefits

- Less expensive compared to mechanical fasteners
- Does not damage the surfaces or deform the threads
- Allows reuse of bolts and nuts
- Seals threads against leakages
- Prevents internal corrosion for easy disassembly
- Allows fastening of dissimilar metals
- Lubricates for controlled torquing and clamp load
- High chemical and temperature resistance
- Easy to apply and clean, no mixing required
- Tamperproof™ reduces warranty claims caused by meddling and tampering to your fasteners

Typical Applications

- Adjustment and calibration screws
- Bolts on flange plate, housing and transmission drives
- Wheel mounting and heavy equipment studs
- Vibrating machinery fasteners
- Control mechanisms
- Valve seats

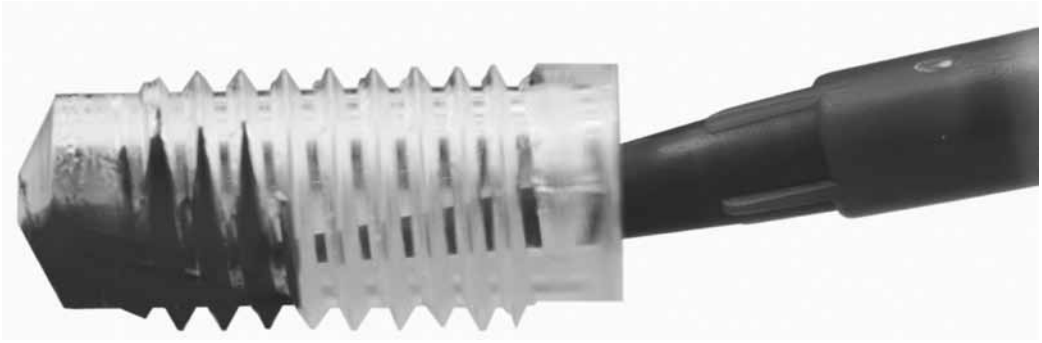
Application Notes

- Hernon Nuts N' Bolts™ are effective on "as received" parts for normal applications
- For critical applications, degrease all nuts and bolts with EF™ Cleaner 62.
- For easier dispensing, shake the bottle well before use.
- For installing on blind holes, apply a few drops into the bottom of the hole.
- For bolts with an engagement length over diameter ratio of more than one, use Nuts N' Bolts™ 420 and apply on both threads.
- For disassembly of high strength Nuts N' Bolts™, apply high torque or localized heating of up to 250°C.
- For thread sizes larger than M12 (1/2"), use Nuts N' Bolts™ 428 which has high viscosity to fill larger gaps.
- For overhanging fasteners, use Nuts N' Bolts™ 431 with wicking capillary action.
- For plastic fasteners or plastic housings, use Nuts N' Bolts™ 128.

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Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
423	242	HER342330	Nuts N'Bolts Medium Strength, Blue (Removable Application)	Bottle 50 ml	43.45
		HER342350	Nuts N'Bolts Medium Strength, Blue (Removable Application)	Bottle 250 ml	145.95
425	262	HER342530	Nuts N'Bolts High Strenght, Red (Permanent Assemblies)	Bottle 50 ml	43.45
		HER342550	Nuts N'Bolts High Strenght, Red (Permanent Assemblies)	Bottle 250 ml	145.95
427	271	HER342730	Nuts N'Bolts High Strenght, Red		43.45
429	277	HER342930	Nuts N'Bolts	Bottle 50 ml	43.45
431	290	HER343130	Nuts N'Bolts Penetrating, Green	Bottle 50 ml	43.45



CYLINLOCK

Cylinlock™ for cylindrical bonding



Main Benefits

- Improves machine reliability by strengthening the shaft and sleeve assembly
- Lowers costs with scope for wider machining tolerances

Features

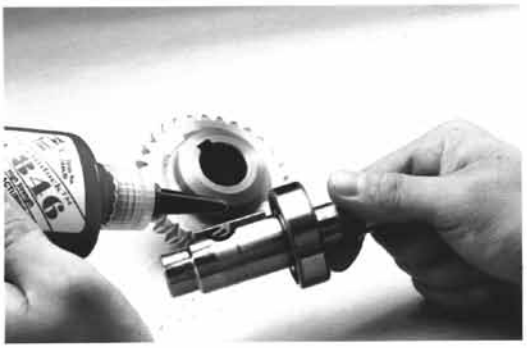
- Fills the microscopic voids that are inherently present in even the best inference fits and hardens to strengthen the assembly.
- Cylinlock™ and Metal Cement™ undergo anaerobic (absence of oxygen) curing when confined between mating metal surfaces.
- Ultrabond™ 821, apart from anaerobic curing, offers added flexibility by curing when exposed to ultraviolet light.
- Enhances the performance of mechanical retaining methods such as splines, keyways, set screws and inference fits.

Other Benefits

- Seals internal surfaces and prevents fretting corrosions
- Distributes loading and prevents stress concentration even in the assembly of dissimilar material
- Easy alignment or assembly with wider fitting tolerances
- High chemical and temperature resistance
- Easy to apply and clean, no mixing required

Typical Applications

- Pins and keyways
- Bearings
- Brushing and sleeves
- Gears, pulleys and sprockets
- Rotors and flywheels
- Brazed and soldered joints



Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
822	601 609	HER382230	Cylinlock General Purpose	Bottle 50 ml	43.45
842	620	HER384230	Cylinlock High Temperature	Bottle 50 ml	43.45

Gasket Replacer™ & Silastomer™ for flange sealing

Main Benefits

- Lowers costs and inventories with a single tube for different gasket shapes and sizes
- Reduces follow-up maintenance with no periodic re-torquing
- Improves assembly reliability and accuracy with uniform clamping on direct metal to metal contact



Features

- Fills all surface imperfections and hardens to form a thin, resilient, solvent and temperature resistant seal.
- Gasket Replacer™ undergoes anaerobic (absence of oxygen) cure when confined between mating metal surfaces.
- Silastomer™ undergoes moisture (room temperature vulcanizing) cure upon exposure to air.
- Replaces solid gaskets like cork gaskets, paper gaskets, O-rings and pre form gaskets.

Other Benefits

- Reduces down time by easy removal of cured sealant without damaging or scratching the surfaces
- Lowers costs with scope for wider surface finish and flatness tolerances
- Reduces follow-up maintenance as it contains no solvents and does not shrink, stretch, split, rot, distort, wear-out or relax
- Strengthens assembly with adhesion to flanges
- Flexes with flanges during pressure or thermal cycling and withstands vibrations
- High chemical and temperature resistance
- Easy to apply and clean, no mixing required

Typical Applications

- Gearbox housing
- Pipe flanges
- Fuel and water pumps housing
- Pump and compressor gaskets
- Automotive and truck axle covers
- Transmissions on trucks and tractors



Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
910	515	HER391030	Gasket Replacer Liquid Gasket General Purpose	Tube 50 ml	20.90
		HER391052	Gasket Replacer Liquid Gasket General Purpose	Cartridge 300 ml/10.2 oz	73.05

ANAEROBIC PIPE THREAD SEALING

Dripstop™ & Powerseal™ for pipe sealing

Main Benefits

- Improves piping reliability by ensuring a positive seal within the threads
- Reduces follow-up maintenance as Dripstop does not shrink, shred or clog the systems
- Increases ease of assembly by allowing adjustment or alignment before cure



Features

- Fills the gaps in between the pipe threads and seals completely against leakages.
- Dripstop undergoes anaerobic (absence of oxygen) cure when confined between mating metal surfaces.
- Powerseal™ provides instant, non-curing sealing on metal and plastic pipes
- Replaces conventional methods like pipe dopes, Teflon tape, cone fittings and hem & boss.
- Dripstop 920 and 940 have been tested and classified by the Underwriters Laboratory's File Number MH14222.

Other Benefits

- Lubricates for controlled torquing and prevents over tightening
- Prevents internal corrosion for easy disassembly in the future
- Easy to apply and clean, no mixing required
- Assembled joints are clean and can be painted over
- Strengthens assembly against vibration and thermal cycling
- High chemical and temperature resistance

Typical Applications

- Instrumentation fittings
- Fuel line fittings
- Hydraulic and pneumatic systems
- Machine tools
- Steam lines (up to 250 psi)
- Ball valve assemblies
- Fire sprinkler systems



Teflon is a registered trademark of DuPont Corporation.
UL is a registered trademark of Underwriters Laboratory Inc.

ANAEROBIC PIPE THREAD SEALING

Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
920	592	HER392030	Dripstop Pipe Sealant w/Teflon Ribbon Applicator	Tube 50 ml	18.95
		HER392050	Dripstop Pipe Sealant w/Teflon Ribbon Applicator	Tube 250 ml	67.45
940	567	HER394030	Dripstop w/Teflon (for Stainless steel and other metals)	Tube 50 ml w/Ribbon Applicator	22.95
		HER394050	Dripstop w/Teflon (for Stainless steel and other metals)	Tube 250 ml	74.95
947	545	HER394730	Dripstop Hydraulic/Pneumatic Sealant	bottle 50 ml	43.45



EF PRODUCTS FOR SURFACE PREPARATION

EF™ Products for surface preparation

EF™ Primers for Hernon Anaerobics; Nuts N' Bolts™, Dripstop™, Gasket Replacer™, Cylinlock™ & Hernon Structural Adhesives; HASA™ & ReAct™.

Main Benefits

- Environmentally Friendly (EF™) with no ozone depleting components
- Accelerates fixturing time
- Ensures proper cure on inactive or coated surfaces
- Increases gap filling capabilities
- Cleans surfaces
- Ensures proper cure at low temperatures
- Initiates curing of structural adhesives



EF™ Activators for Hernon Structural Adhesives; ReAct™ & Dissipator™

Main Benefits

- Environmentally Friendly (EF™) with no ozone depleting components
- Initiates curing of structural and thermal conductive adhesives

Grade Number	Loctite Ref.	Ref.Number	Description	Container Size	$
30	790	HER303008	Gasket Remover (Methylene Chloride)	Aerosol Can 18 oz	21.05
42	770	HER304207	EF CA Primer 42 Adhesion Promoter (Heptane)	Bottle w/pump 1.75 oz	23.55
50	7649	HER305012	EF Primer 50 (Acetone)	Bottle w/pump 4 oz	28.85



ND ANTI-SEIZE 907
HEAVY DUTY INDUSTRIAL LUBRICANT

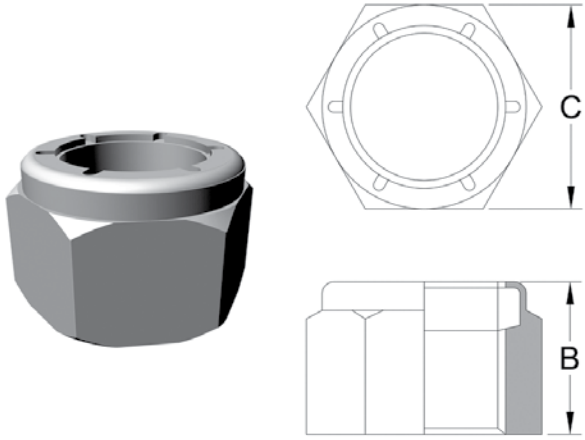
Product	Properties & Uses	Color	Viscosity	Operating Temps	Lubricity
ANTI-SEIZE 907A ALUMINUM/ GRAPHITE	General purpose lubricant. Resist seizing, galling, galvanic attack, excessive wear.	Silver	120,000 to 175,000	-65°F to 1600°F	0.16
ANTI-SEIZE 907C COPPER/ GRAPHITE	General purpose lubricant. Ideal for soft metal parts, plastics and nonmetallic	Copper	120,000 to 175,000	-65°F to 1800°F	0.16
ANTI-SEIZE 907N NICKEL/ GRAPHITE	High temperature lubricant. Particularly suitable where different metals (such as brass and steel) come in contact.	Silver	500,000 to 750,000	-65°F to 2600°F	0.13

Ref.number	Description	Container Size	Net $
AS907A-04	GENERAL PURPOSE - ALUMINUM/GRAPHITE	4 oz	9.50
AS907A-08	GENERAL PURPOSE - ALUMINUM/GRAPHITE	8 oz	14.60
AS907A-16	GENERAL PURPOSE - ALUMINUM/GRAPHITE	16 oz	20.45
AS907C-04	GENERAL PURPOSE - COPPER/GRAPHITE	4 oz	8.95
AS907C-08	GENERAL PURPOSE - COPPER/GRAPHITE	8 oz	13.50
AS907C-16	GENERAL PURPOSE - COPPER/GRAPHITE	16 oz	17.90
AS907N-04	HIGH TEMPERATURE - NICKEL/GRAPHITE	4 oz	10.45
AS907N-08	HIGH TEMPERATURE - NICKEL/GRAPHITE	8 oz	16.30
AS907N-16	HIGH TEMPERATURE - NICKEL/GRAPHITE	16 oz	25.35

CAT PARTS - LOCK NUTS - INCH

Ref.Number	Thread Size	Dimensions		$
		C	B	
RCAT-2J6384	1.250 - 12	2.000	1.110	34.40
RCAT-6M5032	1.375 - 12	2.190	1.190	34.70
RCAT-2J3950	1.500 - 12	2.380	1.310	34.95
RCAT-5J5731	1.750 - 12	2.560	1.470	43.55
RCAT-2J3247	1.750 - 12	2.750	1.470	46.15
RCAT-2J0564	2.000 - 12	3.130	1.670	51.95
RCAT-3J9545	2.000 - 12	3.130	2.410	107.05
RCAT-5J3488	2.250 - 12	3.500	1.940	107.05
RCAT-3J6899	2.250 - 12	3.500	2.810	127.60
RCAT-2J7686	2.500 - 12	4.000	2.190	143.90
RCAT-3J9449	2.500 - 12	4.000	2.640	156.65
RCAT-4J6888	2.750 - 12	4.000	2.190	148.00
RCAT-4J8734	2.750 - 12	4.000	3.090	204.70
RCAT-7J9250	3.250 - 12	4.500	3.130	319.60
RCAT-9X6017	3.750 - 12	5.250	3.530	884.10
RCAT-9X6018	4.000 - 12	5.560	3.730	960.15
RCAT-3G5022	4.500 - 12	6.500	4.110	994.60

LOCK NUTS
1- Grade 8/ heat /treated
2- Black phosphate Finish
3- Blue nylon locking insert



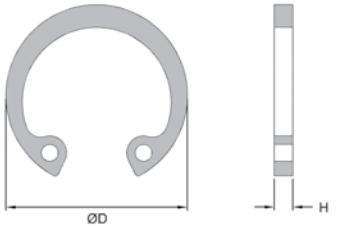


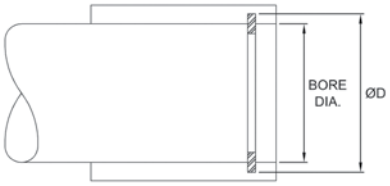
N1300 - Retaining Rings

Carbon Steel

INTERNAL







Temperature: N/A

Pressure: N/A

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
N1300-0037	0.375	0.415	0.025	0.80
N1300-0043	0.437	0.482	0.025	0.85
N1300-0050	0.500	0.548	0.035	0.95
N1300-0056	0.562	0.620	0.035	0.95
N1300-0062	0.625	0.694	0.035	0.95
N1300-0068	0.687	0.763	0.035	1.05
N1300-0075	0.750	0.831	0.035	1.05
N1300-0081	0.812	0.901	0.042	1.05
N1300-0087	0.875	0.971	0.042	1.05
N1300-0093	0.937	1.041	0.042	1.05
N1300-0100	1.000	1.111	0.042	1.05
N1300-0102	1.023	1.136	0.042	1.10
N1300-0106	1.062	1.180	0.050	1.10
N1300-0112	1.125	1.249	0.050	1.10
N1300-0118	1.187	1.319	0.050	1.10
N1300-0125	1.250	1.388	0.050	1.10
N1300-0131	1.312	1.456	0.050	1.10
N1300-0137	1.375	1.526	0.050	1.10
N1300-0143	1.437	1.596	0.050	1.10
N1300-0145	1.456	1.616	0.050	1.10
N1300-0150	1.500	1.660	0.050	1.20
N1300-0156	1.562	1.734	0.062	1.20
N1300-0162	1.625	1.804	0.062	1.20
N1300-0165	1.653	1.835	0.062	1.20
N1300-0168	1.687	1.874	0.062	1.30
N1300-0175	1.750	1.942	0.062	1.30
N1300-0181	1.812	2.012	0.062	1.30
N1300-0185	1.850	2.054	0.062	1.35
N1300-0187	1.875	2.072	0.062	1.35
N1300-0193	1.937	2.141	0.062	1.35
N1300-0200	2.000	2.210	0.062	1.35
N1300-0206	2.062	2.280	0.078	1.85
N1300-0212	2.125	2.350	0.078	1.90
N1300-0218	2.187	2.415	0.078	1.95
N1300-0225	2.250	2.490	0.078	2.10
N1300-0231	2.312	2.560	0.078	2.20
N1300-0237	2.375	2.630	0.078	2.25
N1300-0244	2.440	2.702	0.078	2.35

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
N1300-0250	2.500	2.775	0.078	2.40
N1300-0256	2.562	2.844	0.093	3.60
N1300-0262	2.625	2.910	0.093	3.65
N1300-0268	2.687	2.980	0.093	3.80
N1300-0275	2.750	3.050	0.093	3.80
N1300-0281	2.812	3.121	0.093	3.90
N1300-0287	2.875	3.191	0.093	4.05
N1300-0300	3.000	3.325	0.093	4.10
N1300-0306	3.062	3.418	0.109	9.20
N1300-0312	3.125	3.488	0.109	9.45
N1300-0315	3.156	3.523	0.109	9.60
N1300-0325	3.250	3.623	0.109	10.00
N1300-0334	3.346	3.734	0.109	10.45
N1300-0347	3.437	3.857	0.109	11.00
N1300-0350	3.500	3.890	0.109	11.15
N1300-0354	3.543	3.936	0.109	12.75
N1300-0362	3.625	4.024	0.109	14.25
N1300-0375	3.750	4.157	0.109	14.90
N1300-0387	3.875	4.291	0.109	15.60
N1300-0393	3.937	4.358	0.109	15.80
N1300-0400	4.000	4.424	0.109	18.10
N1300-0412	4.125	4.558	0.109	18.70
N1300-0425	4.250	4.691	0.109	19.40
N1300-0433	4.331	4.756	0.109	19.85
N1300-0450	4.500	4.940	0.109	21.00
N1300-0462	4.625	5.076	0.109	21.55
N1300-0475	4.750	5.213	0.109	22.35
N1300-0500	5.000	5.485	0.109	23.85
N1300-0525	5.250	5.770	0.125	27.85
N1300-0537	5.375	5.910	0.125	28.90
N1300-0550	5.500	6.066	0.125	30.00
N1300-0575	5.750	6.336	0.125	46.30
N1300-0600	6.000	6.620	0.125	51.55
N1300-0625	6.250	6.895	0.156	66.40
N1300-0650	6.500	7.170	0.156	76.30
N1300-0662	6.625	7.308	0.156	78.85
N1300-0675	6.750	7.445	0.156	81.40
N1300-0700	7.000	7.720	0.156	86.20

N1300 SERIES - RETAINING RING

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
N1300-0725	7.250	7.995	0.187	103.35
N1300-0750	7.500	8.270	0.187	110.65
N1300-0775	7.750	8.545	0.187	111.60
N1300-0800	8.000	8.820	0.187	116.20
N1300-0825	8.250	9.095	0.187	122.15
N1300-0850	8.500	9.285	0.187	125.85
N1300-0875	8.750	9.558	0.187	129.50
N1300-0900	9.000	9.830	0.187	133.20
N1300-0925	9.250	10.102	0.187	136.95
N1300-0950	9.500	10.375	0.187	140.65
N1300-1000	10.000	10.920	0.187	148.05

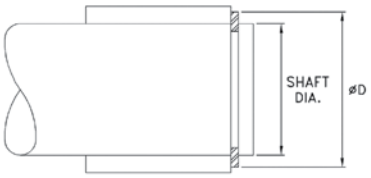
N1400 - Retaining Rings

Carbon Steel

EXTERNAL







Temperature: N/A

Pressure: N/A

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
N1400-0012	0.125	0.112	0.010	0.85
N1400-0015	0.156	0.142	0.010	0.95
N1400-0018	0.187	0.168	0.015	0.95
N1400-0019	0.197	0.179	0.015	1.05
N1400-0021	0.219	0.196	0.015	1.05
N1400-0023	0.236	0.215	0.015	0.95
N1400-0025	0.250	0.225	0.025	0.75
N1400-0027	0.276	0.250	0.025	0.80
N1400-0028	0.281	0.256	0.025	0.80
N1400-0031	0.312	0.281	0.025	0.80
N1400-0037	0.375	0.338	0.025	0.80
N1400-0043	0.437	0.395	0.025	0.80
N1400-0050	0.500	0.461	0.035	0.85
N1400-0056	0.562	0.521	0.035	0.85
N1400-0059	0.594	0.550	0.035	0.85
N1400-0062	0.625	0.579	0.035	0.85
N1400-0066	0.669	0.621	0.035	0.95
N1400-0068	0.687	0.635	0.042	0.95
N1400-0075	0.750	0.693	0.042	0.95
N1400-0078	0.781	0.722	0.042	0.95
N1400-0081	0.812	0.751	0.042	0.95
N1400-0087	0.875	0.810	0.042	1.00
N1400-0093	0.937	0.867	0.042	1.00
N1400-0098	0.984	0.910	0.042	1.00
N1400-0100	1.000	0.925	0.042	1.00
N1400-0102	1.023	0.946	0.042	1.00
N1400-0106	1.062	0.982	0.050	1.00
N1400-0112	1.125	1.041	0.050	1.00
N1400-0118	1.187	1.098	0.050	1.05
N1400-0125	1.250	1.156	0.050	1.05
N1400-0131	1.312	1.214	0.050	1.05
N1400-0137	1.375	1.272	0.050	1.05
N1400-0143	1.437	1.333	0.050	1.25
N1400-0150	1.500	1.387	0.050	1.10
N1400-0156	1.562	1.446	0.062	1.20
N1400-0162	1.625	1.503	0.062	1.20

N1400 SERIES - RETAINING RING

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
N1400-0168	1.687	1.560	0.062	1.25
N1400-0175	1.750	1.618	0.062	1.25
N1400-0177	1.772	1.637	0.062	1.30
N1400-0181	1.812	1.675	0.062	1.30
N1400-0187	1.875	1.735	0.062	1.30
N1400-0196	1.969	1.819	0.062	1.40
N1400-0200	2.000	1.850	0.062	1.40
N1400-0206	2.062	1.906	0.078	2.35
N1400-0212	2.125	1.964	0.078	2.40
N1400-0215	2.156	1.993	0.078	2.50
N1400-0225	2.250	2.081	0.078	2.15
N1400-0231	2.312	2.139	0.078	2.20
N1400-0237	2.375	2.197	0.078	2.25
N1400-0243	2.437	2.255	0.078	2.40
N1400-0250	2.500	2.313	0.078	2.55
N1400-0255	2.559	2.377	0.078	4.75
N1400-0262	2.625	2.428	0.078	4.80
N1400-0268	2.687	2.485	0.078	4.95
N1400-0275	2.750	2.543	0.093	6.75
N1400-0287	2.875	2.659	0.093	7.10
N1400-0293	2.937	2.717	0.093	7.50
N1400-0300	3.000	2.775	0.093	7.55
N1400-0306	3.062	2.832	0.093	8.30
N1400-0312	3.125	2.892	0.093	8.45
N1400-0315	3.156	2.920	0.093	10.55
N1400-0325	3.250	3.006	0.093	10.95
N1400-0334	3.346	3.092	0.093	11.45
N1400-0343	3.437	3.179	0.093	11.80

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
N1400-0350	3.500	3.237	0.109	14.25
N1400-0354	3.543	3.277	0.109	14.40
N1400-0362	3.625	3.352	0.109	14.60
N1400-0368	3.687	3.410	0.109	14.65
N1400-0375	3.750	3.468	0.109	15.00
N1400-0387	3.875	3.584	0.109	15.25
N1400-0393	3.937	3.642	0.109	15.40
N1400-0400	4.000	3.700	0.109	17.80
N1400-0425	4.250	3.989	0.109	19.70
N1400-0437	4.375	4.106	0.109	20.65
N1400-0450	4.500	4.223	0.109	21.70
N1400-0475	4.750	4.458	0.109	23.65
N1400-0500	5.000	4.692	0.109	25.55
N1400-0525	5.250	4.927	0.125	60.65
N1400-0550	5.500	5.162	0.125	63.65
N1400-0575	5.750	5.396	0.125	68.45
N1400-0600	6.000	5.631	0.125	76.50
N1400-0625	6.250	5.866	0.156	98.80
N1400-0650	6.500	6.100	0.156	101.65
N1400-0675	6.750	6.335	0.156	111.05
N1400-0700	7.000	6.570	0.156	116.40
N1400-0750	7.500	7.039	0.187	128.60
N1400-0775	7.750	8.545	0.187	133.30
N1400-0800	8.000	7.508	0.187	137.00
N1400-0950	9.500	8.915	0.187	162.95

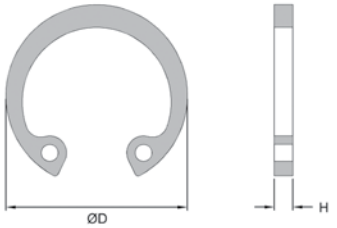


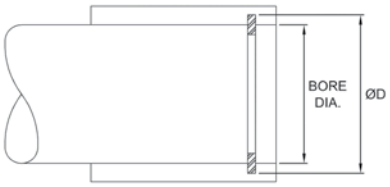
CAT RETAINING RINGS - X-REF - INTERNAL

RETAINING RING
Carbon Steel

INTERNAL







Temperature: N/A **Pressure: N/A**

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
RCAT-3D8358	0.437	0.482	0.025	0.50
RCAT-1S1638	0.500	0.548	0.035	0.50
RCAT-2R1256	0.562	0.620	0.035	0.55
RCAT-1H4142	0.687	0.763	0.035	0.55
RCAT-2M8191	0.750	0.831	0.035	0.55
RCAT-5S4455	0.812	0.901	0.042	0.55
RCAT-2L6726	0.875	0.971	0.042	0.55
RCAT-4L1466	0.901	1.000	0.042	0.55
RCAT-4D1322	1.000	1.111	0.050	0.60
RCAT-5S1522	1.125	1.249	0.050	0.60
RCAT-2D6398	1.250	1.388	0.050	0.65
RCAT-1L3768	1.375	1.526	0.050	0.70
RCAT-2H1142	1.437	1.596	0.050	0.80
RCAT-8N7294	1.500	1.660	0.062	0.80
RCAT-3K9879	1.562	1.734	0.062	1.10
RCAT-2R1230	1.653	1.835	0.062	0.90
RCAT-2D5826	1.812	2.012	0.062	1.30
RCAT-1L8490	1.850	2.054	0.078	1.30
RCAT-6J7855	2.062	2.280	0.078	1.85
RCAT-2D6648	2.312	2.560	0.078	2.10
RCAT-6L8797	2.440	2.702	0.078	2.65
RCAT-4D1736	2.500	2.775	0.078	2.80
RCAT-6K3531	2.750	3.050	0.093	3.45
RCAT-2H5549	2.812	3.121	0.093	4.05
RCAT-2R1236	3.000	3.325	0.093	4.35
RCAT-1K6985	3.156	3.523	0.109	6.40
RCAT-8J7636	3.250	3.623	0.109	6.65
RCAT-3D8341	3.500	3.890	0.109	6.85

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
RCAT-1J6472	3.543	3.936	0.109	6.95
RCAT-9M9935	3.875	4.291	0.109	7.60
RCAT-7M2275	4.000	4.424	0.109	8.40
RCAT-5L4751	4.331	4.756	0.109	9.75
RCAT-0673161	4.750	5.213	0.109	12.35
RCAT-2L0043	5.000	5.485	0.109	12.75
RCAT-5L4756	6.000	6.620	0.125	34.65
RCAT-1L7388	7.000	7.720	0.156	56.10
RCAT-7F6021	7.500	8.270	0.187	60.30

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

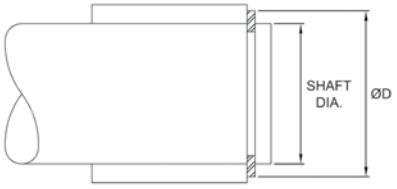
RETAINING RING

Carbon Steel

EXTERNAL







Temperature: N/A

Pressure: N/A

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
RCAT-6H5829	0.250	0.225	0.025	0.50
RCAT-9M7611	0.375	0.338	0.025	0.50
RCAT-4H0094	0.437	0.395	0.025	0.50
RCAT-6L3801	0.470	0.430	0.025	0.50
RCAT-3D2975	0.562	0.521	0.035	0.55
RCAT-2L8509	0.594	0.550	0.035	0.55
RCAT-8F4610	0.625	0.579	0.035	0.55
RCAT-2J6356	0.750	0.693	0.042	0.55
RCAT-9F5444	0.812	0.751	0.042	0.55
RCAT-6H6109	0.937	0.867	0.042	0.60
RCAT-1L8497	0.984	0.910	0.042	0.90
RCAT-0015600	1.000	0.925	0.042	0.60
RCAT-3K8276	1.062	0.982	0.050	0.70
RCAT-5L4019	1.125	1.041	0.050	0.80
RCAT-4M5285	1.187	1.098	0.050	0.80
RCAT-2M4287	1.250	1.156	0.050	0.95
RCAT-4D8309	1.312	1.214	0.050	1.00
RCAT-1J6474	1.375	1.272	0.050	1.10
RCAT-2L6965	1.562	1.446	0.062	1.20
RCAT-9L2336	1.625	1.503	0.062	1.30
RCAT-5L2931	1.687	1.560	0.062	2.50
RCAT-2J7550	1.772	1.637	0.062	1.45
RCAT-5K9106	1.812	1.675	0.062	1.65
RCAT-1K6995	1.875	1.735	0.062	1.95
RCAT-0779687	1.969	1.819	0.062	2.55
RCAT-1K6984	2.125	1.964	0.078	3.95
RCAT-4K4284	2.156	1.993	0.078	4.35
RCAT-5K4627	2.500	2.313	0.078	4.65

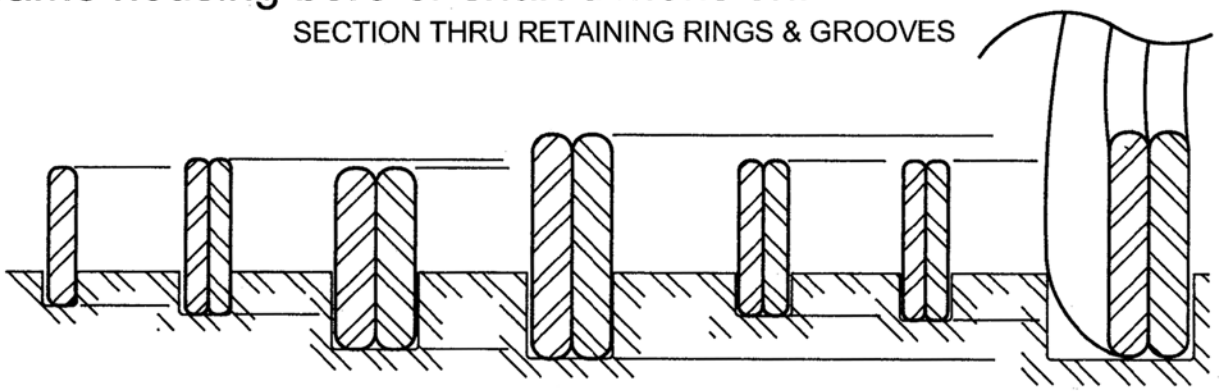
Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
RCAT-6S1753	2.559	2.377	0.078	4.75
RCAT-1K6992	2.625	2.428	0.078	4.95
RCAT-5J3864	2.750	2.543	0.093	5.10
RCAT-7J6580	2.937	2.717	0.093	5.50
RCAT-1N8620	3.156	2.920	0.093	8.00
RCAT-9S4368	3.346	3.092	0.093	10.35
RCAT-5L4753	3.500	3.237	0.109	12.00
RCAT-7J6525	3.625	3.352	0.109	13.65
RCAT-8F1959	4.000	3.700	0.109	14.60
RCAT-1N5410	4.250	3.989	0.109	19.85
RCAT-5H5012	4.375	4.106	0.109	21.05
RCAT-2L0049	4.750	4.458	0.109	27.55
RCAT-5L8579	5.750	5.396	0.125	31.45
RCAT-2L0044	6.250	5.866	0.156	84.95

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

Selection Guide

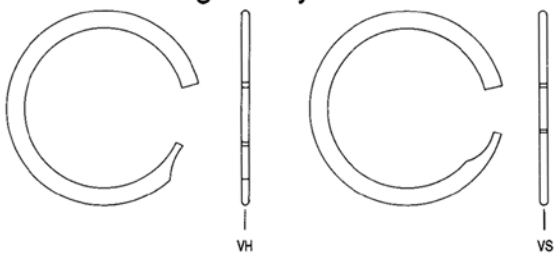
Relative proportions of retaining rings with same housing bore or shaft dimension.

SECTION THRU RETAINING RINGS & GROOVES



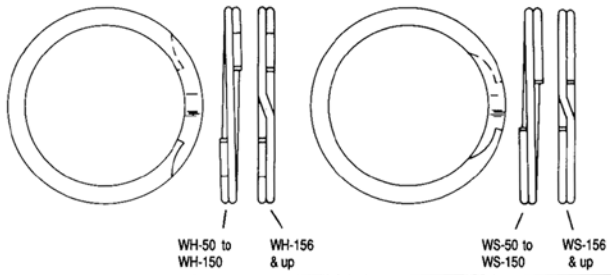
VH & VS	WH & WS	WHT & WST	WHM & WSM	DNH & DNS	EH & ES	WHW & WSW
Light Duty Series	Medium Duty Series	Medium Heavy Duty Series	Heavy Duty Series	DIN Metric Series	Metric Aerospace Series	WaveRing Series

VH & VS Light Duty Series



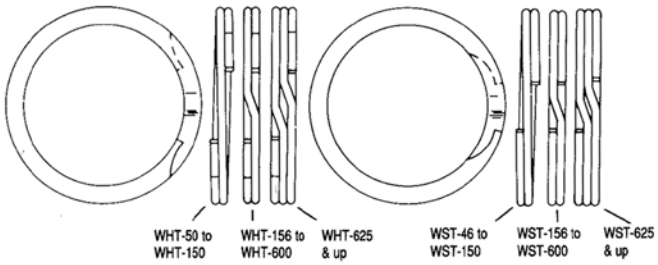
Single-turn retaining rings with narrow radial wall dimensions are recommended for light-duty, low clearance applications, or where axial positioning rather than load carrying is the principal function. Low-cost and easy to use, these rings are ideal for ball or roller bearing applications or other uses where thrust loads are moderate.

WH & WS Medium Duty Series



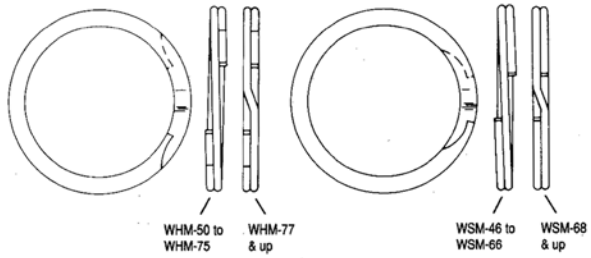
This popular series is cataloged in the greatest number of standard retaining ring sizes. Smalley WH and WS rings easily handle thrust loads imposed by light or medium series bearings. These rings are covered by military and aerospace specifications and are available in more sizes than any other Smalley series. Specify on purchase order if rings are to conform to military or aerospace standards.

WHT & WST Medium Heavy Duty Series



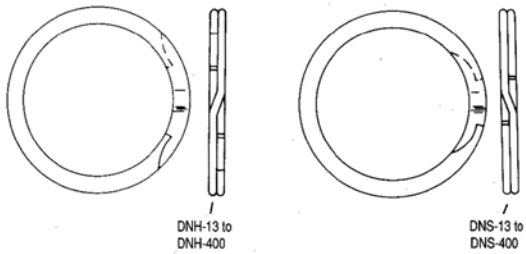
Many original equipment manufacturers have set groove dimensions specifically for these series. While easier to install, this series has load carrying ratings close to our heavy duty ring designs.

WHM & WSM Heavy Duty Series



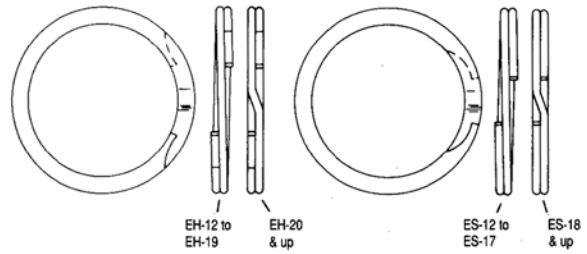
Designed for the toughest retaining ring jobs, this series can handle double row, tapered roller bearing applications, or other thrust loads which demand deep groove, heavy section capacity. WHM and WSM series rings use standard industry groove dimensions and are interchangeable with many stamped (ie: Snap Rings, Circlips) retaining rings. They meet military and aerospace specifications. Specify on purchase order if rings are to conform to military or aerospace standards.

DNH & DNS DIN Metric Series



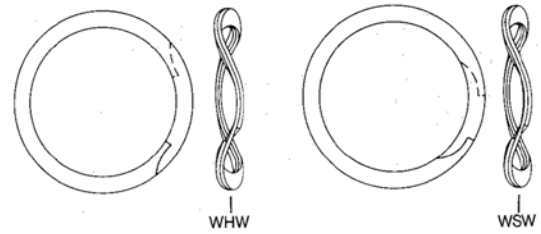
These DIN series retaining rings are Smalley's equivalent to the European or "Hard" metric retaining rings. With their 2-turn offset configuration, the rings will fit into the grooves established by DIN specifications. They are available in both internal and external sizes from 13mm to 400mm and are offered standard in 302 stainless steel.

EH & ES Metric Aerospace Series



Metric retaining rings are Smalley's standard spiral retaining rings produced to Metric Aerospace specifications. They fit grooves specifically designed for 2-turn spiral rings and accommodate light duty through medium duty applications. Using 302 stainless or carbon steel, the external series fits shaft sizes from 12mm to 280mm. The internal series fits housings of the same dimensions.

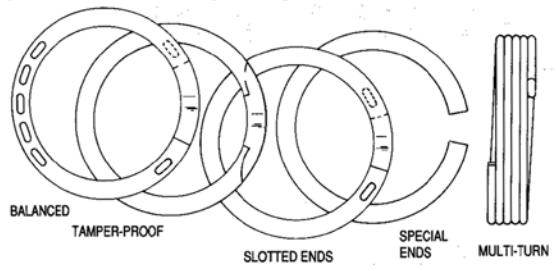
WaveRings®



The WaveRing is a spiral retaining ring with an axial wave form. It acts like a standard retaining ring with the additional feature of compressibility. With the assembly under constant pressure, looseness and vibration is eliminated which reduces manufacturing costs. In addition, the WaveRing compensates for the overall length tolerance of stacked components by always maintaining a load on the assembly.

Designed to fit into a groove, the WaveRing applies pressure in two directions: against the groove wall and against the assembly components. Single, double or multiple turns in the WaveRing are possible as well as a choice of materials, including our standard 17-7 PH stainless and carbon steel.

Special Retaining Rings

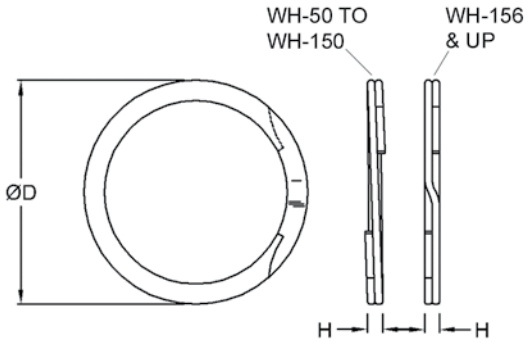


A major segment of Smalley manufacturing is in "special" or prototype retaining rings. Common Smalley specials include balanced, multi-turn (4,5,6 turns and more) and special ends in English and metric diameters from 3/8" to 84" and larger. See pages 50-51 for special ordering guidelines.

WH - Retaining Rings

Carbon Steel





Temperature: N/A

Pressure: N/A

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WH-050	0.500	0.532	0.025	1.80
WH-051	0.512	0.544	0.025	1.80
WH-053	0.531	0.564	0.025	1.80
WH-056	0.562	0.594	0.025	1.85
WH-059	0.594	0.626	0.025	1.85
WH-062	0.625	0.658	0.025	1.85
WH-065	0.656	0.689	0.025	1.85
WH-068	0.687	0.720	0.025	1.85
WH-071	0.718	0.751	0.025	1.85
WH-075	0.750	0.790	0.031	1.90
WH-077	0.777	0.817	0.031	1.90
WH-078	0.781	0.821	0.031	1.90
WH-081	0.812	0.853	0.031	1.90
WH-084	0.843	0.889	0.031	1.90
WH-086	0.866	0.913	0.031	1.90
WH-087	0.875	0.922	0.031	1.90
WH-090	0.906	0.949	0.031	1.90
WH-093	0.938	0.986	0.031	1.95
WH-096	0.968	1.025	0.037	1.95
WH-098	0.987	1.041	0.037	1.95
WH-100	1.000	1.054	0.037	1.95
WH-102	1.023	1.078	0.037	1.95
WH-103	1.031	1.084	0.037	1.95
WH-106	1.062	1.117	0.037	1.95
WH-109	1.093	1.147	0.037	2.00
WH-112	1.125	1.180	0.037	2.00
WH-115	1.156	1.210	0.037	2.00
WH-118	1.188	1.249	0.043	2.00
WH-121	1.218	1.278	0.043	2.00
WH-125	1.250	1.312	0.043	2.10
WH-128	1.281	1.342	0.043	2.15
WH-131	1.312	1.374	0.043	2.20
WH-134	1.343	1.408	0.043	2.25
WH-137	1.375	1.442	0.043	2.35
WH-140	1.406	1.472	0.043	2.45
WH-143	1.437	1.504	0.043	2.45
WH-145	1.456	1.523	0.043	2.55
WH-146	1.468	1.535	0.043	2.55

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WH-150	1.500	1.567	0.043	2.55
WH-156	1.562	1.634	0.049	4.20
WH-157	1.574	1.649	0.049	4.20
WH-162	1.625	1.701	0.049	4.25
WH-165	1.653	1.730	0.049	4.25
WH-168	1.687	1.768	0.049	4.35
WH-175	1.750	1.834	0.049	4.40
WH-181	1.813	1.894	0.049	4.45
WH-185	1.850	1.937	0.049	4.50
WH-187	1.875	1.960	0.049	4.55
WH-193	1.938	2.025	0.049	4.70
WH-200	2.000	2.091	0.049	4.80
WH-204	2.047	2.138	0.049	4.80
WH-206	2.062	2.154	0.049	6.05
WH-212	2.125	2.217	0.049	6.10
WH-216	2.165	2.260	0.049	6.15
WH-218	2.188	2.284	0.049	6.15
WH-225	2.250	2.347	0.049	6.15
WH-231	2.312	2.413	0.049	6.20
WH-237	2.375	2.476	0.049	6.20
WH-243	2.437	2.543	0.049	6.20
WH-244	2.440	2.546	0.049	6.30
WH-250	2.500	2.606	0.049	6.45
WH-253	2.531	2.641	0.049	6.50
WH-256	2.562	2.673	0.049	6.65
WH-262	2.625	2.736	0.049	6.80
WH-267	2.677	2.789	0.049	6.85
WH-268	2.688	2.803	0.049	6.95
WH-275	2.750	2.865	0.049	7.10
WH-281	2.813	2.929	0.049	7.25
WH-283	2.834	2.954	0.049	7.45
WH-287	2.875	2.995	0.049	7.55
WH-293	2.937	3.058	0.049	7.60
WH-295	2.952	3.073	0.049	7.65
WH-300	3.000	3.122	0.061	8.60
WH-306	3.062	3.186	0.061	8.60
WH-312	3.125	3.251	0.061	8.65
WH-314	3.149	3.276	0.061	8.65

WH SERIES - RETAINING RING

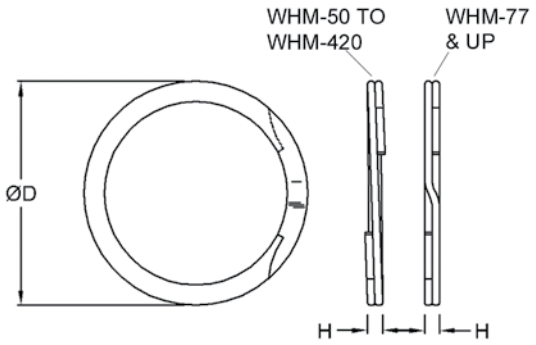
Ref.Number	Bore dia.	Free dia. D	Thickness H	$
WH-318	3.187	3.311	0.061	8.70
WH-325	3.250	3.379	0.061	8.75
WH-331	3.312	3.446	0.061	9.35
WH-334	3.346	3.479	0.061	9.50
WH-337	3.375	3.509	0.061	9.50
WH-343	3.437	3.574	0.061	9.55
WH-350	3.500	3.636	0.061	9.70
WH-354	3.543	3.684	0.061	10.00
WH-356	3.562	3.703	0.061	10.05
WH-362	3.625	3.769	0.061	10.10
WH-368	3.687	3.832	0.061	10.15
WH-374	3.740	3.885	0.061	10.25
WH-375	3.750	3.894	0.061	10.35
WH-381	3.812	3.963	0.061	10.70
WH-387	3.875	4.025	0.061	10.70
WH-393	3.938	4.089	0.061	10.90
WH-400	4.000	4.157	0.061	12.15
WH-406	4.063	4.222	0.061	12.50
WH-412	4.125	4.284	0.061	12.75
WH-418	4.188	4.347	0.061	13.15
WH-425	4.250	4.416	0.061	13.40
WH-431	4.312	4.479	0.061	13.65
WH-433	4.330	4.497	0.061	13.90
WH-437	4.375	4.505	0.061	14.30
WH-443	4.437	4.611	0.061	14.65
WH-450	4.500	4.674	0.061	14.95
WH-452	4.527	4.701	0.061	15.20
WH-456	4.562	4.737	0.061	15.45
WH-462	4.625	4.803	0.072	15.60
WH-468	4.687	4.867	0.072	15.85
WH-472	4.724	4.903	0.072	16.05
WH-475	4.750	4.930	0.072	16.35
WH-481	4.812	4.993	0.072	16.60
WH-487	4.875	5.055	0.072	16.85
WH-492	4.921	5.102	0.072	17.05
WH-493	4.937	5.122	0.072	17.30
WH-500	5.000	5.185	0.072	17.75
WH-511	5.118	5.304	0.072	18.00
WH-512	5.125	5.311	0.072	18.15
WH-525	5.250	5.436	0.072	18.55
WH-537	5.375	5.566	0.072	18.85
WH-550	5.500	5.693	0.072	19.05
WH-551	5.511	5.703	0.072	19.25
WH-562	5.625	5.818	0.072	19.50
WH-570	5.708	5.909	0.072	19.80
WH-575	5.750	5.950	0.072	20.05
WH-587	5.875	6.077	0.072	20.25
WH-580	5.800	6.105	0.072	20.35

Ref.Number	Bore dia.	Free dia. D	Thickness H	$
WH-600	6.000	6.202	0.072	20.40
WH-612	6.125	6.349	0.086	20.60
WH-625	6.250	6.474	0.086	21.20
WH-629	6.299	6.524	0.086	21.75
WH-637	6.375	6.601	0.086	22.55
WH-650	6.500	6.726	0.086	23.00
WH-662	6.625	6.863	0.086	23.50
WH-669	6.692	6.931	0.086	23.95
WH-675	6.750	6.987	0.086	24.35
WH-687	6.875	7.114	0.086	24.90
WH-700	7.000	7.239	0.086	27.35
WH-708	7.086	7.337	0.086	28.35
WH-712	7.125	7.376	0.086	29.40
WH-725	7.250	7.501	0.086	30.35
WH-737	7.375	7.628	0.086	31.40
WH-748	7.480	7.734	0.086	32.30
WH-750	7.500	7.754	0.086	33.25
WH-762	7.625	7.890	0.086	33.90
WH-775	7.750	8.014	0.086	34.80
WH-787	7.875	8.131	0.086	36.40
WH-800	8.000	8.266	0.086	38.15
WH-825	8.250	8.528	0.086	39.05
WH-826	8.267	8.546	0.086	40.15
WH-846	8.464	8.744	0.086	41.95
WH-850	8.500	8.780	0.086	44.25
WH-875	8.750	9.041	0.086	46.55
WH-885	8.858	9.151	0.086	49.00
WH-900	9.000	9.293	0.086	51.10
WH-905	9.055	9.359	0.086	53.90
WH-925	9.250	9.555	0.086	56.50
WH-944	9.448	9.755	0.086	57.95
WH-950	9.500	9.806	0.086	59.55
WH-975	9.750	10.068	0.086	62.15
WH-1000	10.000	10.320	0.086	65.50
WH-1025	10.250	10.582	0.086	68.50
WH-1050	10.500	10.834	0.086	71.90
WH-1075	10.750	11.095	0.086	75.55
WH-1100	11.000	11.347	0.086	79.30

WHM - Retaining Rings

Carbon Steel





Temperature: N/A

Pressure: N/A

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHM-050	0.500	0.538	0.035	1.60
WHM-051	0.512	0.550	0.035	1.60
WHM-056	0.562	0.605	0.035	1.60
WHM-062	0.625	0.675	0.035	1.65
WHM-068	0.688	0.743	0.035	1.65
WHM-075	0.750	0.807	0.035	1.80
WHM-077	0.777	0.836	0.042	5.00
WHM-081	0.812	0.873	0.042	5.05
WHM-086	0.866	0.931	0.042	5.15
WHM-087	0.875	0.943	0.042	5.15
WHM-090	0.901	0.972	0.042	5.15
WHM-093	0.938	1.013	0.042	5.20
WHM-100	1.000	1.080	0.042	5.20
WHM-102	1.023	1.105	0.042	5.20
WHM-106	1.062	1.138	0.050	5.20
WHM-112	1.125	1.205	0.050	5.20
WHM-118	1.188	1.271	0.050	5.25
WHM-125	1.250	1.339	0.050	5.30
WHM-131	1.312	1.406	0.050	5.35
WHM-137	1.375	1.471	0.050	5.35
WHM-143	1.439	1.539	0.050	5.35
WHM-145	1.456	1.559	0.050	5.25
WHM-150	1.500	1.605	0.050	5.40
WHM-156	1.562	1.675	0.062	5.50
WHM-162	1.625	1.742	0.062	5.50
WHM-165	1.653	1.772	0.062	5.55
WHM-168	1.688	1.810	0.062	5.55
WHM-175	1.750	1.876	0.062	5.55
WHM-181	1.812	1.940	0.062	5.55
WHM-185	1.850	1.981	0.062	5.60
WHM-187	1.875	2.008	0.062	5.60
WHM-193	1.938	2.075	0.062	5.70
WHM-200	2.000	2.142	0.062	7.00
WHM-206	2.062	2.201	0.078	8.65
WHM-212	2.125	2.267	0.078	8.80
WHM-218	2.188	2.334	0.078	8.95
WHM-225	2.250	2.399	0.078	9.00
WHM-231	2.312	2.467	0.078	10.40

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHM-237	2.375	2.535	0.078	10.55
WHM-244	2.440	2.602	0.078	10.65
WHM-250	2.500	2.667	0.078	10.70
WHM-253	2.531	2.700	0.078	11.25
WHM-256	2.562	2.733	0.093	12.75
WHM-262	2.625	2.801	0.093	12.75
WHM-268	2.688	2.868	0.093	12.95
WHM-275	2.750	2.934	0.093	13.15
WHM-281	2.813	3.001	0.093	13.40
WHM-283	2.834	3.027	0.093	13.45
WHM-287	2.875	3.072	0.093	13.55
WHM-300	3.000	3.204	0.093	13.85
WHM-306	3.062	3.271	0.111	17.60
WHM-312	3.125	3.338	0.111	17.90
WHM-315	3.157	3.371	0.111	18.00
WHM-325	3.250	3.470	0.111	18.40
WHM-334	3.346	3.571	0.111	18.75
WHM-347	3.469	3.701	0.111	20.10
WHM-350	3.500	3.736	0.111	20.85
WHM-354	3.543	3.781	0.111	21.20
WHM-356	3.562	3.802	0.111	21.45
WHM-362	3.625	3.868	0.111	21.75
WHM-375	3.750	4.002	0.111	23.85
WHM-387	3.875	4.136	0.111	24.80
WHM-393	3.938	4.203	0.111	25.30
WHM-400	4.000	4.270	0.111	27.75
WHM-412	4.125	4.369	0.111	28.55
WHM-425	4.250	4.501	0.111	30.20
WHM-433	4.330	4.588	0.111	30.75
WHM-450	4.500	4.768	0.111	32.25
WHM-462	4.625	4.899	0.111	33.05
WHM-475	4.750	5.030	0.111	34.55
WHM-500	5.000	5.297	0.111	37.65
WHM-525	5.250	5.559	0.127	40.35
WHM-537	5.375	5.690	0.127	41.95
WHM-550	5.500	5.810	0.127	43.20
WHM-575	5.750	6.062	0.127	46.55
WHM-600	6.000	6.314	0.127	49.00

WHM SERIES - RETAINING RING

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHM-625	6.250	6.576	0.156	77.45
WHM-650	6.500	6.838	0.156	85.10
WHM-662	6.625	6.974	0.156	88.70
WHM-675	6.750	7.105	0.156	91.20
WHM-700	7.000	7.366	0.156	96.65
WHM-725	7.250	7.628	0.187	103.15
WHM-750	7.500	7.895	0.187	112.90
WHM-775	7.750	8.157	0.187	115.05
WHM-800	8.000	8.419	0.187	119.90
WHM-825	8.250	8.680	0.187	125.10
WHM-850	8.500	8.942	0.187	131.85
WHM-875	8.750	9.209	0.187	137.10
WHM-900	9.000	9.471	0.187	144.70
WHM-925	9.250	9.737	0.187	149.55
WHM-950	9.500	10.000	0.187	156.00
WHM-975	9.750	10.260	0.187	165.50
WHM-1000	10.000	10.523	0.187	171.90
WHM-1025	10.250	10.786	0.187	177.20
WHM-1050	10.500	11.047	0.187	182.05
WHM-1075	10.750	11.313	0.187	187.55

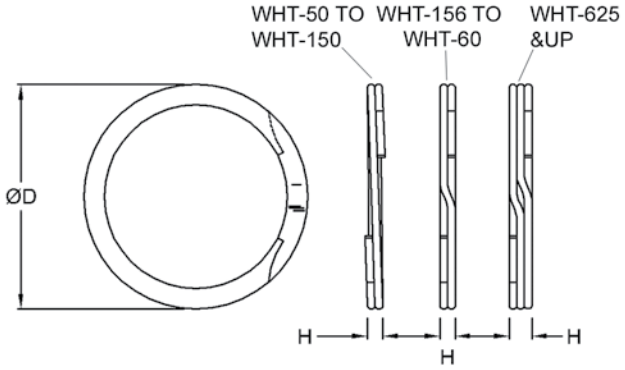
Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHM-1100	11.000	11.575	0.187	193.40
WHM-1125	11.250	11.838	0.187	199.30
WHM-1150	11.500	12.102	0.187	218.60
WHM-1175	11.750	12.365	0.187	224.45
WHM-1200	12.000	12.628	0.187	230.55
WHM-1225	12.250	12.891	0.187	236.70
WHM-1250	12.500	13.154	0.187	243.15
WHM-1275	12.750	13.417	0.187	250.55
WHM-1300	13.000	13.680	0.187	252.30
WHM-1325	13.250	13.943	0.187	258.30
WHM-1350	13.500	14.207	0.187	271.40
WHM-1375	13.750	14.470	0.187	277.95
WHM-1400	14.000	14.732	0.187	284.40
WHM-1425	14.250	14.995	0.187	294.15
WHM-1450	14.500	15.259	0.187	300.50
WHM-1475	14.750	15.522	0.187	307.50
WHM-1500	15.000	15.785	0.187	314.40



WHT - Retaining Rings

Carbon Steel





Temperature: N/A

Pressure: N/A

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHT-050	0.500	0.529	0.035	1.55
WHT-051	0.512	0.541	0.035	1.60
WHT-056	0.562	0.597	0.035	1.60
WHT-062	0.625	0.665	0.035	1.65
WHT-068	0.688	0.730	0.035	1.65
WHT-075	0.750	0.796	0.035	1.75
WHT-077	0.777	0.825	0.042	1.75
WHT-081	0.812	0.864	0.042	1.80
WHT-086	0.866	0.919	0.042	1.80
WHT-087	0.875	0.929	0.042	1.80
WHT-090	0.901	0.957	0.042	1.85
WHT-093	0.938	0.997	0.042	1.85
WHT-100	1.000	1.063	0.042	1.90
WHT-102	1.023	1.087	0.042	1.90
WHT-106	1.062	1.129	0.050	1.95
WHT-112	1.125	1.195	0.050	2.00
WHT-118	1.188	1.260	0.050	2.10
WHT-125	1.250	1.330	0.050	2.15
WHT-131	1.312	1.395	0.050	2.25
WHT-137	1.375	1.461	0.050	2.40
WHT-143	1.438	1.526	0.050	2.55
WHT-145	1.456	1.546	0.050	2.55
WHT-150	1.500	1.591	0.050	3.00
WHT-156	1.562	1.659	0.062	4.55
WHT-162	1.625	1.727	0.062	4.65
WHT-165	1.653	1.757	0.062	4.70
WHT-168	1.688	1.793	0.062	4.75
WHT-175	1.750	1.853	0.062	4.80
WHT-181	1.812	1.923	0.062	4.95
WHT-185	1.850	1.963	0.062	4.95
WHT-187	1.875	1.984	0.062	5.05
WHT-193	1.938	2.054	0.062	5.05
WHT-200	2.000	2.125	0.062	5.70
WHT-206	2.062	2.190	0.078	7.80
WHT-212	2.125	2.255	0.078	7.90
WHT-218	2.188	2.321	0.078	8.05
WHT-225	2.250	2.386	0.078	8.10
WHT-231	2.312	2.457	0.078	10.15

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHT-237	2.375	2.522	0.078	10.25
WHT-244	2.440	2.588	0.078	10.40
WHT-250	2.500	2.653	0.078	10.45
WHT-253	2.531	2.687	0.078	10.55
WHT-256	2.562	2.720	0.093	11.15
WHT-262	2.625	2.785	0.093	11.25
WHT-268	2.688	2.855	0.093	11.35
WHT-275	2.750	2.921	0.093	12.15
WHT-281	2.813	2.987	0.093	12.45
WHT-283	2.834	3.009	0.093	12.50
WHT-287	2.875	3.053	0.093	12.85
WHT-300	3.000	3.188	0.093	13.10
WHT-306	3.062	3.257	0.111	15.80
WHT-312	3.125	3.318	0.111	16.40
WHT-315	3.156	3.354	0.111	16.90
WHT-325	3.250	3.450	0.111	17.50
WHT-334	3.346	3.550	0.111	18.15
WHT-347	3.469	3.683	0.111	20.10
WHT-350	3.500	3.716	0.111	20.85
WHT-354	3.543	3.761	0.111	21.20
WHT-356	3.562	3.783	0.111	21.55
WHT-362	3.625	3.849	0.111	21.75
WHT-375	3.750	3.982	0.111	23.85
WHT-387	3.875	4.115	0.111	24.80
WHT-393	3.938	4.178	0.111	25.30
WHT-400	4.000	4.248	0.111	27.75
WHT-412	4.125	4.368	0.111	28.55
WHT-425	4.250	4.500	0.111	30.20
WHT-433	4.330	4.586	0.111	30.75
WHT-450	4.500	4.768	0.111	32.25
WHT-462	4.625	4.897	0.111	33.05
WHT-475	4.750	5.028	0.111	34.55
WHT-500	5.000	5.295	0.111	37.40
WHT-525	5.250	5.559	0.127	40.35
WHT-537	5.375	5.689	0.127	41.95
WHT-550	5.500	5.810	0.127	43.20
WHT-575	5.750	6.062	0.127	46.55
WHT-600	6.000	6.314	0.127	49.00

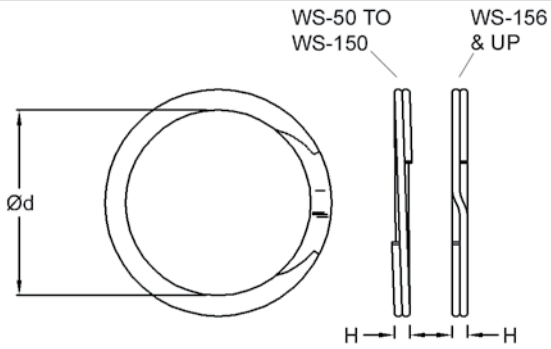
Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHT-625	6.250	6.576	0.165	77.45
WHT-650	6.500	6.837	0.165	85.10
WHT-662	6.625	6.973	0.165	88.70
WHT-675	6.750	7.104	0.165	91.20
WHT-700	7.000	7.366	0.165	96.65
WHT-725	7.250	7.628	0.189	103.15
WHT-750	7.500	7.895	0.189	112.90
WHT-775	7.750	8.156	0.189	115.05
WHT-800	8.000	8.418	0.189	119.90
WHT-825	8.250	8.680	0.189	125.10

Ref.Number	Bore dia.	Free dia.	Thickness	$
		D	H	
WHT-850	8.500	8.942	0.189	131.85
WHT-875	8.750	9.209	0.189	137.10
WHT-900	9.000	9.471	0.189	144.70
WHT-925	9.250	9.736	0.189	149.55
WHT-950	9.500	9.999	0.189	156.00
WHT-975	9.750	10.260	0.189	165.50
WHT-1000	10.000	10.552	0.189	171.90
WHT-1050	10.500	11.036	0.189	182.05

WS - Retaining Rings

Carbon Steel





Temperature: N/A

Pressure: N/A

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WS-050	0.500	0.467	0.025	2.00
WS-053	0.531	0.498	0.025	2.00
WS-055	0.551	0.518	0.025	2.00
WS-056	0.562	0.529	0.025	2.00
WS-059	0.594	0.561	0.025	2.00
WS-062	0.625	0.585	0.025	2.10
WS-065	0.656	0.617	0.025	2.10
WS-066	0.669	0.629	0.025	2.10
WS-068	0.687	0.647	0.025	2.15
WS-071	0.718	0.679	0.025	2.15
WS-075	0.750	0.710	0.031	2.20
WS-078	0.781	0.741	0.031	2.20
WS-081	0.812	0.771	0.031	2.20
WS-084	0.843	0.803	0.031	2.20
WS-087	0.875	0.828	0.031	2.25
WS-090	0.906	0.860	0.031	2.25
WS-093	0.937	0.889	0.031	2.25
WS-096	0.968	0.916	0.037	2.25

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WS-098	0.984	0.930	0.037	2.35
WS-100	1.000	0.946	0.037	2.35
WS-102	1.023	0.968	0.037	2.35
WS-103	1.031	0.978	0.037	2.40
WS-106	1.062	1.007	0.037	2.40
WS-109	1.093	1.040	0.037	2.40
WS-112	1.125	1.070	0.037	2.45
WS-115	1.156	1.102	0.037	2.45
WS-118	1.188	1.127	0.043	2.45
WS-121	1.218	1.159	0.043	2.45
WS-125	1.250	1.188	0.043	2.55
WS-128	1.281	1.221	0.043	2.55
WS-131	1.312	1.251	0.043	2.55
WS-134	1.343	1.282	0.043	2.65
WS-137	1.375	1.308	0.043	2.75
WS-140	1.406	1.340	0.043	2.75
WS-143	1.437	1.370	0.043	2.80
WS-146	1.468	1.402	0.043	2.80

WS SERIES - RETAINING RING

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WS-150	1.500	1.433	0.043	3.00
WS-156	1.562	1.490	0.049	4.40
WS-157	1.575	1.503	0.049	4.40
WS-162	1.625	1.549	0.049	4.45
WS-168	1.687	1.610	0.049	4.65
WS-175	1.750	1.673	0.049	4.70
WS-177	1.771	1.690	0.049	4.70
WS-181	1.813	1.730	0.049	4.75
WS-187	1.875	1.789	0.049	5.00
WS-193	1.938	1.844	0.049	5.00
WS-196	1.969	1.882	0.049	5.05
WS-200	2.000	1.909	0.049	6.45
WS-206	2.062	1.971	0.049	6.50
WS-212	2.125	2.029	0.049	6.60
WS-215	2.156	2.060	0.049	6.75
WS-216	2.165	2.070	0.049	6.75
WS-218	2.188	2.092	0.049	6.75
WS-225	2.250	2.153	0.049	6.85
WS-231	2.312	2.211	0.049	6.95
WS-236	2.362	2.261	0.049	7.25
WS-237	2.375	2.273	0.049	6.95
WS-243	2.437	2.331	0.049	7.20
WS-250	2.500	2.394	0.049	7.25
WS-255	2.559	2.449	0.049	7.30
WS-256	2.562	2.452	0.049	7.35
WS-262	2.625	2.514	0.049	7.50
WS-268	2.688	2.572	0.049	7.55
WS-275	2.750	2.635	0.049	7.60
WS-281	2.813	2.696	0.049	7.95
WS-287	2.875	2.755	0.049	8.10
WS-293	2.937	2.817	0.049	8.15
WS-295	2.952	2.831	0.049	8.15
WS-300	3.000	2.877	0.061	9.20
WS-306	3.062	2.938	0.061	9.25
WS-312	3.125	3.000	0.061	9.25
WS-314	3.149	3.023	0.061	9.30
WS-318	3.187	3.061	0.061	9.30
WS-325	3.250	3.121	0.061	9.35
WS-331	3.312	3.180	0.061	9.35
WS-334	3.343	3.210	0.061	9.35
WS-337	3.375	3.242	0.061	9.50
WS-343	3.437	3.301	0.061	9.50
WS-350	3.500	3.363	0.061	9.60
WS-354	3.543	3.402	0.061	10.10
WS-356	3.562	3.422	0.061	10.00
WS-362	3.625	3.483	0.061	10.10
WS-368	3.687	3.543	0.061	10.15
WS-374	3.740	3.597	0.061	10.20

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WS-375	3.750	3.606	0.061	10.20
WS-381	3.812	3.668	0.061	10.35
WS-387	3.875	3.724	0.061	10.65
WS-393	3.938	3.784	0.061	11.50
WS-400	4.000	3.842	0.061	12.75
WS-406	4.063	3.906	0.061	13.15
WS-412	4.125	3.967	0.061	13.45
WS-413	4.134	3.975	0.061	13.75
WS-418	4.188	4.030	0.061	13.90
WS-425	4.250	4.084	0.061	14.10
WS-431	4.312	4.147	0.061	14.40
WS-433	4.331	4.164	0.061	14.75
WS-437	4.375	4.208	0.061	15.15
WS-443	4.437	4.271	0.061	15.45
WS-450	4.500	4.326	0.061	15.80
WS-456	4.562	4.384	0.072	16.15
WS-462	4.625	4.447	0.072	16.40
WS-468	4.687	4.508	0.072	16.70
WS-472	4.724	4.546	0.072	17.05
WS-475	4.750	4.571	0.072	17.30
WS-481	4.812	4.633	0.072	17.60
WS-487	4.875	4.695	0.072	18.00
WS-493	4.937	4.757	0.072	18.25
WS-500	5.000	4.820	0.072	18.60
WS-511	5.118	4.934	0.072	18.90
WS-512	5.125	4.939	0.072	19.05
WS-525	5.250	5.064	0.072	19.25
WS-537	5.375	5.187	0.072	19.55
WS-550	5.500	5.308	0.072	19.80
WS-551	5.511	5.320	0.072	20.05
WS-562	5.625	5.433	0.072	20.30
WS-575	5.750	5.550	0.072	20.45
WS-587	5.875	5.674	0.072	20.70
WS-590	5.905	5.705	0.072	20.90
WS-600	6.000	5.798	0.072	21.20
WS-612	6.125	5.903	0.086	21.45
WS-625	6.250	6.026	0.086	22.20
WS-629	6.299	6.076	0.086	23.00
WS-637	6.375	6.152	0.086	23.75
WS-650	6.500	6.274	0.086	24.15
WS-662	6.625	6.390	0.086	24.65
WS-675	6.750	6.513	0.086	25.25
WS-687	6.875	6.638	0.086	25.95
WS-700	7.000	6.761	0.086	28.70
WS-712	7.125	6.877	0.086	29.95
WS-725	7.250	6.999	0.086	31.25
WS-737	7.375	7.125	0.086	33.05
WS-750	7.500	7.250	0.086	34.30

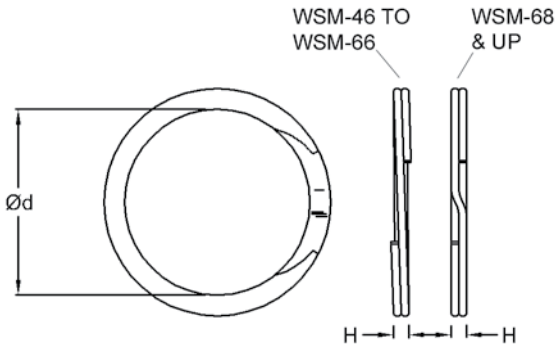
Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WS-762	7.625	7.363	0.086	35.20
WS-775	7.750	7.486	0.086	36.40
WS-787	7.875	7.611	0.086	38.30
WS-800	8.000	7.734	0.086	40.15
WS-825	8.250	7.972	0.086	41.95
WS-850	8.500	8.220	0.086	46.50
WS-875	8.750	8.459	0.086	48.70
WS-900	9.000	8.707	0.086	53.60

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WS-925	9.250	8.945	0.086	59.10
WS-950	9.500	9.194	0.086	62.15
WS-975	9.750	9.432	0.086	64.90
WS-1000	10.000	9.680	0.086	68.30
WS-1025	10.250	9.918	0.086	71.60
WS-1050	10.500	10.166	0.086	75.55
WS-1075	10.750	10.405	0.086	78.95
WS-1100	11.000	10.653	0.086	82.95

WSM - Retaining Rings

Carbon Steel





Temperature: N/A

Pressure: N/A

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WSM-046	0.469	0.439	0.025	1.95
WSM-050	0.500	0.464	0.035	1.75
WSM-055	0.551	0.514	0.035	1.80
WSM-056	0.562	0.525	0.035	1.85
WSM-059	0.594	0.554	0.035	1.85
WSM-062	0.625	0.583	0.035	1.90
WSM-066	0.669	0.623	0.035	1.90
WSM-068	0.688	0.641	0.042	5.20
WSM-075	0.750	0.698	0.042	5.25
WSM-078	0.781	0.727	0.042	5.30
WSM-081	0.812	0.756	0.042	5.35
WSM-087	0.875	0.814	0.042	5.35
WSM-093	0.938	0.875	0.042	5.35
WSM-098	0.984	0.919	0.042	5.35
WSM-100	1.000	0.932	0.042	5.35
WSM-102	1.023	0.953	0.042	5.40
WSM-106	1.062	0.986	0.050	5.40
WSM-112	1.125	1.047	0.050	5.40

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WSM-118	1.188	1.105	0.050	5.50
WSM-125	1.250	1.163	0.050	5.50
WSM-131	1.312	1.218	0.050	5.55
WSM-137	1.375	1.277	0.050	5.55
WSM-143	1.438	1.336	0.050	5.55
WSM-150	1.500	1.385	0.050	5.55
WSM-156	1.562	1.453	0.062	5.60
WSM-162	1.625	1.513	0.062	5.60
WSM-168	1.687	1.573	0.062	5.60
WSM-175	1.750	1.633	0.062	5.60
WSM-177	1.771	1.651	0.062	5.65
WSM-181	1.812	1.690	0.062	5.65
WSM-187	1.875	1.751	0.062	5.95
WSM-196	1.969	1.838	0.062	6.05
WSM-200	2.000	1.867	0.062	7.50
WSM-206	2.062	1.932	0.078	8.75
WSM-212	2.125	1.989	0.078	9.45
WSM-215	2.156	2.018	0.078	9.50

WSM SERIES - RETAINING RING

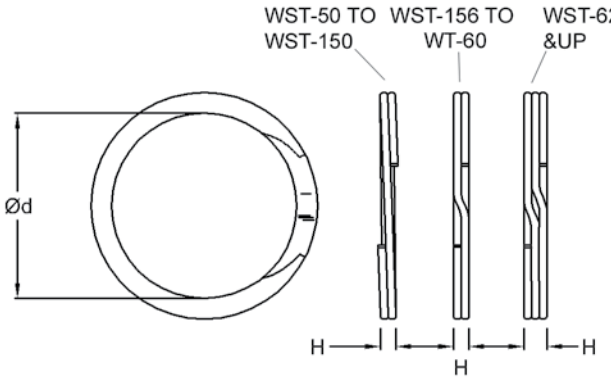
Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WSM-225	2.250	2.105	0.078	9.60
WSM-231	2.312	2.163	0.078	9.75
WSM-237	2.375	2.223	0.078	15.50
WSM-243	2.437	2.283	0.078	15.50
WSM-250	2.500	2.343	0.078	15.55
WSM-255	2.559	2.402	0.078	15.50
WSM-262	2.625	2.464	0.078	15.60
WSM-268	2.687	2.523	0.078	15.60
WSM-275	2.750	2.584	0.093	17.80
WSM-287	2.875	2.702	0.093	18.10
WSM-293	2.937	2.760	0.093	18.25
WSM-300	3.000	2.818	0.093	18.35
WSM-306	3.062	2.878	0.093	18.35
WSM-312	3.125	2.936	0.093	18.40
WSM-315	3.156	2.965	0.093	18.40
WSM-325	3.250	3.054	0.093	18.40
WSM-334	3.344	3.144	0.093	18.45
WSM-343	3.437	3.234	0.093	19.20
WSM-350	3.500	3.293	0.111	22.70
WSM-354	3.543	3.333	0.111	23.00
WSM-362	3.625	3.411	0.111	23.75
WSM-368	3.687	3.469	0.111	24.45
WSM-375	3.750	3.527	0.111	25.10
WSM-387	3.875	3.647	0.111	26.05
WSM-393	3.938	3.708	0.111	26.65
WSM-400	4.000	3.765	0.111	29.10
WSM-425	4.250	4.037	0.111	32.25
WSM-437	4.375	4.161	0.111	33.95
WSM-450	4.500	4.280	0.111	34.85
WSM-475	4.750	4.518	0.111	37.25
WSM-500	5.000	4.756	0.111	39.95
WSM-525	5.250	4.995	0.127	43.45
WSM-550	5.500	5.228	0.127	46.55
WSM-575	5.750	5.466	0.127	50.20
WSM-600	6.000	5.705	0.127	51.45
WSM-625	6.250	5.938	0.156	81.40
WSM-650	6.500	6.181	0.156	89.40
WSM-675	6.750	6.410	0.156	101.30
WSM-700	7.000	6.648	0.156	101.90
WSM-725	7.250	6.891	0.156	108.00
WSM-750	7.500	7.130	0.187	115.05
WSM-775	7.750	7.368	0.187	120.90
WSM-800	8.000	7.606	0.187	126.05
WSM-825	8.250	7.845	0.187	131.50
WSM-850	8.500	8.083	0.187	138.30
WSM-875	8.750	8.324	0.187	143.15
WSM-900	9.000	8.560	0.187	151.45
WSM-925	9.250	8.798	0.187	156.60

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WSM-950	9.500	9.036	0.187	156.75
WSM-975	9.750	9.275	0.187	173.40
WSM-1000	10.000	9.508	0.187	180.45
WSM-1025	10.250	9.745	0.187	185.40
WSM-1050	10.500	9.984	0.187	191.25
WSM-1075	10.750	10.221	0.187	200.00
WSM-1100	11.000	10.459	0.187	203.50
WSM-1125	11.250	10.692	0.187	209.55
WSM-1150	11.500	10.934	0.187	229.00
WSM-1175	11.750	11.171	0.187	235.20
WSM-1200	12.000	11.410	0.187	241.50
WSM-1225	12.250	11.647	0.187	247.90
WSM-1250	12.500	11.885	0.187	254.30
WSM-1275	12.750	12.124	0.187	260.90
WSM-1300	13.000	12.361	0.187	270.25
WSM-1325	13.250	12.598	0.187	276.85
WSM-1350	13.500	12.837	0.187	283.55
WSM-1375	13.750	13.074	0.187	290.15
WSM-1400	14.000	13.311	0.187	297.10
WSM-1425	14.250	13.548	0.187	304.00
WSM-1450	14.500	13.787	0.187	313.55
WSM-1475	14.750	14.024	0.187	322.60
WSM-1500	15.000	14.262	0.187	329.75

WST - Retaining Rings

Carbon Steel





Temperature: N/A

Pressure: N/A

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WST-046	0.469	0.436	0.024	1.95
WST-050	0.500	0.469	0.035	1.80
WST-055	0.551	0.518	0.035	1.85
WST-056	0.562	0.529	0.035	1.85
WST-059	0.594	0.559	0.035	1.85
WST-062	0.625	0.590	0.035	1.85
WST-066	0.669	0.630	0.035	1.90
WST-068	0.688	0.648	0.042	1.90
WST-075	0.750	0.708	0.042	1.90
WST-078	0.781	0.738	0.042	1.95
WST-081	0.812	0.768	0.042	2.00
WST-087	0.875	0.827	0.042	2.00
WST-093	0.938	0.886	0.042	2.10
WST-098	0.984	0.934	0.042	2.10
WST-100	1.000	0.947	0.042	2.15
WST-102	1.023	0.969	0.042	2.15
WST-106	1.062	1.005	0.050	2.20
WST-112	1.125	1.064	0.050	2.25
WST-118	1.188	1.126	0.050	2.35
WST-125	1.250	1.184	0.050	2.45
WST-131	1.312	1.240	0.050	2.70
WST-137	1.375	1.298	0.050	2.75
WST-143	1.438	1.359	0.050	2.80
WST-150	1.500	1.419	0.050	3.20
WST-156	1.562	1.476	0.062	5.30
WST-162	1.625	1.537	0.062	5.35
WST-168	1.687	1.598	0.062	5.35
WST-175	1.750	1.657	0.062	5.35
WST-177	1.771	1.676	0.062	5.35
WST-181	1.812	1.714	0.062	5.35
WST-187	1.875	1.774	0.062	5.40
WST-196	1.969	1.864	0.062	5.40
WST-200	2.000	1.894	0.062	5.55
WST-206	2.062	1.955	0.078	8.40
WST-212	2.125	2.012	0.078	8.55
WST-215	2.156	2.041	0.078	8.55
WST-225	2.250	2.129	0.078	8.65
WST-231	2.312	2.188	0.078	8.70

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WST-237	2.375	2.248	0.078	8.80
WST-243	2.437	2.307	0.078	8.95
WST-250	2.500	2.366	0.078	13.55
WST-255	2.559	2.432	0.078	13.65
WST-262	2.625	2.485	0.078	13.65
WST-268	2.687	2.545	0.078	13.85
WST-275	2.750	2.604	0.093	16.00
WST-287	2.875	2.722	0.093	16.30
WST-293	2.937	2.780	0.093	16.40
WST-300	3.000	2.838	0.093	16.55
WST-306	3.062	2.897	0.093	16.55
WST-312	3.125	2.957	0.093	16.65
WST-315	3.156	2.986	0.093	16.90
WST-325	3.250	3.075	0.093	17.60
WST-334	3.344	3.164	0.093	18.40
WST-343	3.437	3.254	0.093	19.20
WST-350	3.500	3.315	0.111	22.70
WST-354	3.543	3.356	0.111	23.00
WST-362	3.625	3.433	0.111	23.75
WST-368	3.687	3.483	0.111	24.45
WST-375	3.750	3.550	0.111	25.10
WST-387	3.875	3.670	0.111	26.05
WST-400	4.000	3.787	0.111	29.10
WST-425	4.250	4.037	0.111	32.25
WST-437	4.375	4.162	0.111	33.95
WST-450	4.500	4.280	0.111	34.85
WST-475	4.750	4.515	0.111	37.25
WST-500	5.000	4.755	0.111	39.95
WST-525	5.250	4.995	0.127	43.45
WST-550	5.500	5.229	0.127	46.55
WST-575	5.750	5.466	0.127	50.20
WST-600	6.000	5.705	0.127	51.45
WST-625	6.250	5.938	0.165	81.40
WST-650	6.500	6.182	0.165	89.40
WST-675	6.750	6.420	0.165	101.30
WST-700	7.000	6.658	0.165	101.90
WST-725	7.250	6.894	0.165	108.00
WST-750	7.500	7.130	0.189	115.05

WST SERIES - RETAINING RING

Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WST-775	7.750	7.368	0.189	120.90
WST-800	8.000	7.607	0.189	126.05
WST-825	8.250	7.845	0.189	131.50
WST-850	8.500	8.083	0.189	138.30
WST-875	8.750	8.321	0.189	143.15
WST-900	9.000	8.560	0.189	151.45

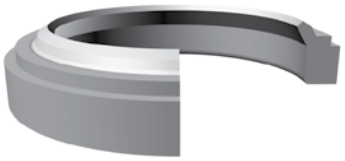
Ref.Number	Shaft dia.	Free dia.	Thickness	$
		d	H	
WST-925	9.250	8.798	0.189	156.60
WST-950	9.500	9.036	0.189	164.60
WST-975	9.750	9.273	0.189	173.40
WST-1000	10.000	9.508	0.189	180.45

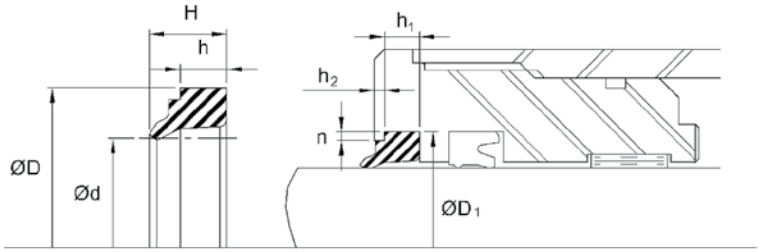


	WA	I	2
	WB	I	5
	WC	I	7
	WF	I	13
	WG	I	15
	WH	I	16
	WJ	I	17
	WM	I	19
	WN	I	21
	WO	I	25
	WO-CAT	I	30
	WR	I	30
	WS	I	32
	WS-CAT	I	35
	WT	I	36
	WU	I	39
	WV	I	40
	WW	I	42

WA - Rod Wipers

Nitrile NBR 90A
Polyurethane 90A





NBR Temperature: -40/212F [-40/100C] **Pressure: N/A**
AU Temperature: -40/230F [-40/110C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W004012040WA	4.00	+0.00 / -0.04	4.00	12.00	4.00	7.00	12.00	+0.11 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W005008022WA	5.00	+0.00 / -0.04	5.00	8.00	2.20	4.00	8.00	+0.09 / -0.00	2.20	+0.15 / -0.00	0.50	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W006010022WA	6.00	+0.00 / -0.04	6.00	10.00	2.20	4.00	10.00	+0.09 / -0.00	2.20	+0.15 / -0.00	0.05	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W008014026WA	8.00	+0.00 / -0.04	8.00	14.00	2.60	5.00	14.00	+0.11 / -0.00	2.60	+0.15 / -0.00	0.05	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W008016040WA	8.00	+0.00 / -0.04	8.00	16.00	4.00	7.00	16.00	+0.11 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W010016026WA	10.00	+0.00 / -0.04	10.00	16.00	2.60	5.00	16.00	+0.11 / -0.00	2.60	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W010016040WA	10.00	+0.00 / -0.04	10.00	16.00	4.00	7.00	16.00	+0.11 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W010018040WA	10.00	+0.00 / -0.04	10.00	18.00	4.00	7.00	18.00	+0.11 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.25	O/R
W012018026WA	12.00	+0.00 / -0.04	12.00	18.00	2.60	5.00	18.00	+0.11 / -0.00	2.60	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W012020040WA	12.00	+0.00 / -0.04	12.00	20.00	4.00	7.00	20.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.25	O/R
W014020031WA	14.00	+0.00 / -0.04	14.00	20.00	3.10	5.00	20.00	+0.13 / -0.00	3.10	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W014022040WA	14.00	+0.00 / -0.04	14.00	22.00	4.00	7.00	22.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.40	O/R
W015023040WA	15.00	+0.00 / -0.04	15.00	23.00	4.00	7.00	23.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	4.95	O/R
W016024040WA	16.00	+0.00 / -0.04	16.00	24.00	4.00	7.00	24.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.50	3.20
W017025040WA	17.00	+0.00 / -0.04	17.00	25.00	4.00	7.00	25.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.35	O/R
W018024031WA	18.00	+0.00 / -0.04	18.00	24.00	3.10	5.00	24.00	+0.13 / -0.00	3.10	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W018026040WA	18.00	+0.00 / -0.04	18.00	26.00	4.00	7.00	26.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.50	3.55
W020028040WA	20.00	+0.00 / -0.04	20.00	28.00	4.00	7.00	28.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.70	3.55
W022030040WA	22.00	+0.00 / -0.04	22.00	30.00	4.00	7.00	30.00	+0.13 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.80	3.90
W023031040WA	23.00	+0.00 / -0.04	23.00	31.00	4.00	7.00	31.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.50	O/R
W024032040WA	24.00	+0.00 / -0.04	24.00	32.00	4.00	7.00	32.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	6.60	O/R
W025033040WA	25.00	+0.00 / -0.04	25.00	33.00	4.00	7.00	33.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	2.80	4.40
W026034040WA	26.00	+0.00 / -0.04	26.00	34.00	4.00	7.00	34.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	5.15	O/R
W028036040WA	28.00	+0.00 / -0.04	28.00	36.00	4.00	7.00	36.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	3.00	4.55
W030038040WA	30.00	+0.00 / -0.04	30.00	38.00	4.00	7.00	38.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	3.00	5.00
W032040040WA	32.00	+0.00 / -0.04	32.00	40.00	4.00	7.00	40.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	3.30	5.00
W033041040WA	33.00	+0.00 / -0.04	33.00	41.00	4.00	7.00	41.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	5.35	O/R
W034042040WA	34.00	+0.00 / -0.04	34.00	42.00	4.00	7.00	42.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.55	O/R
W035043040WA	35.00	+0.00 / -0.04	35.00	43.00	4.00	7.00	43.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	5.60	5.00
W036044040WA	36.00	+0.00 / -0.04	36.00	44.00	4.00	7.00	44.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	3.30	5.00
W038046040WA	38.00	+0.00 / -0.04	38.00	46.00	4.00	7.00	46.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.60	O/R
W040048040WA	40.00	+0.00 / -0.05	40.00	48.00	4.00	7.00	48.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	3.30	5.25
W041049040WA	41.00	+0.00 / -0.05	41.00	49.00	4.00	7.00	49.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W042050040WA	42.00	+0.00 / -0.05	42.00	50.00	4.00	7.00	50.00	+0.16 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	5.90	11.95
W044052040WA	44.00	+0.00 / -0.05	44.00	52.00	4.00	7.00	52.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.65	O/R
W045053040WA	45.00	+0.00 / -0.05	45.00	53.00	4.00	7.00	53.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	4.15	5.25
W045057055WA	45.00	+0.00 / -0.05	45.00	57.00	5.50	10.00	57.00	+0.19 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W046054040WA	46.00	+0.00 / -0.05	46.00	54.00	4.00	7.00	54.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W047055040WA	47.00	+0.00 / -0.05	47.00	55.00	4.00	7.00	55.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W048056040WA	48.00	+0.00 / -0.05	48.00	56.00	4.00	7.00	56.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.75	O/R
W050058040WA	50.00	+0.00 / -0.05	50.00	58.00	4.00	7.00	58.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	5.85	6.10
W050062055WA	50.00	+0.00 / -0.05	50.00	62.00	5.50	10.00	62.00	+0.19 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W050063040WA	50.00	+0.00 / -0.05	50.00	63.00	4.00	7.00	63.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W051059040WA	51.00	+0.00 / -0.05	51.00	59.00	4.00	7.00	59.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W052060040WA	52.00	+0.00 / -0.05	52.00	60.00	4.00	7.00	60.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W053061040WA	53.00	+0.00 / -0.05	53.00	61.00	4.00	7.00	61.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W054062040WA	54.00	+0.00 / -0.05	54.00	62.00	4.00	7.00	62.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.75	O/R
W055063040WA	55.00	+0.00 / -0.05	55.00	63.00	4.00	7.00	63.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	6.20	6.10
W056064040WA	56.00	+0.00 / -0.05	56.00	64.00	4.00	7.00	64.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	9.30	6.75
W057065040WA	57.00	+0.00 / -0.05	57.00	65.00	4.00	7.00	65.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W058066040WA	58.00	+0.00 / -0.05	58.00	66.00	4.00	7.00	66.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W060068040WA	60.00	+0.00 / -0.05	60.00	68.00	4.00	7.00	68.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	6.20	6.75
W060072055WA	60.00	+0.00 / -0.05	60.00	72.00	5.50	10.00	72.00	+0.19 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W062070040WA	62.00	+0.00 / -0.05	62.00	70.00	4.00	7.00	70.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.85	6.75
W063071040WA	63.00	+0.00 / -0.05	63.00	71.00	4.00	7.00	71.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	8.20	6.75
W064072040WA	64.00	+0.00 / -0.06	64.00	72.00	4.00	7.00	72.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W065073040WA	65.00	+0.00 / -0.06	65.00	73.00	4.00	7.00	73.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	8.60	7.10
W066074040WA	66.00	+0.00 / -0.06	66.00	74.00	4.00	7.00	74.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W067075040WA	67.00	+0.00 / -0.06	67.00	75.00	4.00	7.00	75.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W068076040WA	68.00	+0.00 / -0.06	68.00	76.00	4.00	7.00	76.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.90	O/R
W070078040WA	70.00	+0.00 / -0.06	70.00	78.00	4.00	7.00	78.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	7.90	7.10
W072080040WA	72.00	+0.00 / -0.06	72.00	80.00	4.00	7.00	80.00	+0.19 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W073081040WA	73.00	+0.00 / -0.06	73.00	81.00	4.00	7.00	81.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W075083040WA	75.00	+0.00 / -0.06	75.00	83.00	4.00	7.00	83.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	11.05	7.10
W078086040WA	78.00	+0.00 / -0.09	78.00	86.00	4.00	7.00	86.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	11.50	O/R
W080088040WA	80.00	+0.00 / -0.09	80.00	88.00	4.00	7.00	88.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	9.00	8.20
W082090040WA	82.00	+0.00 / -0.09	82.00	90.00	4.00	7.00	90.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W083091040WA	83.00	+0.00 / -0.09	83.00	91.00	4.00	7.00	91.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W085093040WA	85.00	+0.00 / -0.09	85.00	93.00	4.00	7.00	93.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	9.20	O/R
W086094040WA	86.00	+0.00 / -0.09	86.00	94.00	4.00	7.00	94.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W088096040WA	88.00	+0.00 / -0.09	88.00	96.00	4.00	7.00	96.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W090098040WA	90.00	+0.00 / -0.09	90.00	98.00	4.00	7.00	98.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	9.80	8.90
W092100040WA	92.00	+0.00 / -0.09	92.00	100.00	4.00	7.00	100.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W093101040WA	93.00	+0.00 / -0.09	93.00	101.00	4.00	7.00	101.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W095103040WA	95.00	+0.00 / -0.09	95.00	103.00	4.00	7.00	103.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	9.80	O/R
W095103055WA	95.00	+0.00 / -0.09	95.00	103.00	5.50	10.00	103.00	+0.22 / -0.00	5.50	+0.15 / -0.00	1.00	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W097105040WA	97.00	+0.00 / -0.09	97.00	105.00	4.00	7.00	105.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W100108040WA	100.00	+0.00 / -0.09	100.00	108.00	4.00	7.00	108.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	9.80	10.60
W100108055WA	100.00	+0.00 / -0.09	100.00	108.00	5.50	10.00	108.00	+0.22 / -0.00	5.50	+0.15 / -0.00	1.00	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W102114055WA	102.00	+0.00 / -0.13	102.00	114.00	5.50	10.00	114.00	+0.22 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	10.35	O/R
W105117055WA	105.00	+0.00 / -0.13	105.00	117.00	5.50	10.00	117.00	+0.22 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W106118055WA	106.00	+0.00 / -0.13	106.00	118.00	5.50	10.00	118.00	+0.22 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W110118040WA	110.00	+0.00 / -0.13	110.00	118.00	4.00	7.00	118.00	+0.22 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	11.35	O/R
W110118055WA	110.00	+0.00 / -0.13	110.00	118.00	5.50	10.00	118.00	+0.22 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W110122055WA	110.00	+0.00 / -0.13	110.00	122.00	5.50	10.00	122.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	21.85	11.00
W112124055WA	112.00	+0.00 / -0.13	112.00	124.00	5.50	10.00	124.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R

WA SERIES - NBR 90A & AU 90A

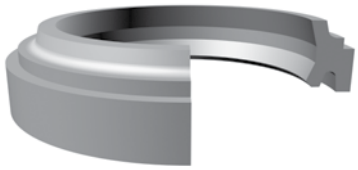
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W113121040WA	113.00	+0.00 / -0.13	113.00	121.00	4.00	7.00	121.00	+0.25 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W114122040WA	114.00	+0.00 / -0.13	114.00	122.00	4.00	7.00	122.00	+0.25 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W115127055WA	115.00	+0.00 / -0.13	115.00	127.00	5.50	10.00	127.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	16.70	O/R
W118130055WA	118.00	+0.00 / -0.13	118.00	130.00	5.50	10.00	130.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W120132055WA	120.00	+0.00 / -0.13	120.00	132.00	5.50	10.00	132.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	17.30	O/R
W125133040WA	125.00	+0.00 / -0.13	125.00	133.00	4.00	7.00	133.00	+0.25 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W125137055WA	125.00	+0.00 / -0.13	125.00	137.00	5.50	10.00	137.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	17.60	14.90
W128140055WA	128.00	+0.00 / -0.13	128.00	140.00	5.50	10.00	140.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W130142055WA	130.00	+0.00 / -0.13	130.00	142.00	5.50	10.00	142.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	18.35	O/R
W131139040WA	131.00	+0.00 / -0.13	131.00	139.00	4.00	7.00	139.00	+0.25 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W135147055WA	135.00	+0.00 / -0.13	135.00	147.00	5.50	10.00	147.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	20.10	O/R
W140152055WA	140.00	+0.00 / -0.13	140.00	152.00	5.50	10.00	152.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	20.35	O/R
W140155065WA	140.00	+0.00 / -0.13	140.00	155.00	6.50	13.00	155.00	+0.25 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W142154055WA	142.00	+0.00 / -0.13	142.00	154.00	5.50	10.00	154.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W145157055WA	145.00	+0.00 / -0.13	145.00	157.00	5.50	10.00	157.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W149157040WA	149.00	+0.00 / -0.13	149.00	157.00	4.00	7.00	157.00	+0.25 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W150162055WA	150.00	+0.00 / -0.13	150.00	162.00	5.50	10.00	162.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	20.60	O/R
W152164055WA	152.00	+0.00 / -0.13	152.00	164.00	5.50	10.00	164.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W154166055WA	154.00	+0.00 / -0.13	154.00	166.00	5.50	10.00	166.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W155167055WA	155.00	+0.00 / -0.13	155.00	167.00	5.50	10.00	167.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	21.40	O/R
W160172055WA	160.00	+0.00 / -0.13	160.00	172.00	5.50	10.00	172.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	21.75	18.75
W165177055WA	165.00	+0.00 / -0.13	165.00	177.00	5.50	10.00	177.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	22.10	O/R
W166178055WA	166.00	+0.00 / -0.13	166.00	178.00	5.50	10.00	178.00	+0.25 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W168176040WA	168.00	+0.00 / -0.13	168.00	176.00	4.00	7.00	176.00	+0.25 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W170182055WA	170.00	+0.00 / -0.13	170.00	182.00	5.50	10.00	182.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W175187055WA	175.00	+0.00 / -0.13	175.00	187.00	5.50	10.00	187.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W180192055WA	180.00	+0.00 / -0.13	180.00	192.00	5.50	10.00	192.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	40.30	O/R
W185197055WA	185.00	+0.00 / -0.13	185.00	197.00	5.50	10.00	197.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W188196040WA	188.00	+0.00 / -0.13	188.00	196.00	4.00	7.00	196.00	+0.29 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W190202055WA	190.00	+0.00 / -0.13	190.00	202.00	5.50	10.00	202.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	43.00	O/R
W195207055WA	195.00	+0.00 / -0.13	195.00	207.00	5.50	10.00	207.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	O/R	O/R
W200212055WA	200.00	+0.00 / -0.13	200.00	212.00	5.50	10.00	212.00	+0.29 / -0.00	5.50	+0.15 / -0.00	1.50	+0.01 / -0.01	1.50	+0.02 / -0.02	45.30	O/R
W210218040WA	210.00	+0.00 / -0.13	210.00	218.00	4.00	7.00	218.00	+0.29 / -0.00	4.00	+0.15 / -0.00	1.00	+0.01 / -0.01	1.00	+0.02 / -0.02	O/R	O/R
W210225065WA	210.00	+0.00 / -0.13	210.00	225.00	6.50	13.00	225.00	+0.29 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	46.25	O/R
W220235055WA	220.00	+0.00 / -0.13	220.00	235.00	5.50	10.00	235.00	+0.29 / -0.00	5.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W220235065WA	220.00	+0.00 / -0.13	220.00	235.00	6.50	13.00	235.00	+0.29 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	47.80	O/R
W230245065WA	230.00	+0.00 / -0.13	230.00	245.00	6.50	13.00	245.00	+0.29 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W235250065WA	235.00	+0.00 / -0.13	235.00	250.00	6.50	13.00	250.00	+0.29 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W238253065WA	238.00	+0.00 / -0.13	238.00	253.00	6.50	13.00	253.00	+0.29 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W240255065WA	240.00	+0.00 / -0.13	240.00	255.00	6.50	13.00	255.00	+0.32 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W250265065WA	250.00	+0.00 / -0.13	250.00	265.00	6.50	13.00	265.00	+0.32 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	64.45	O/R
W260275065WA	260.00	+0.00 / -0.13	260.00	275.00	6.50	13.00	275.00	+0.32 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W265280065WA	265.00	+0.00 / -0.13	265.00	280.00	6.50	13.00	280.00	+0.32 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W275290065WA	275.00	+0.00 / -0.13	275.00	290.00	5.50	10.00	290.00	+0.32 / -0.00	5.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W300315065WA	300.00	+0.00 / -0.13	300.00	315.00	6.50	13.00	315.00	+0.32 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W305320065WA	305.00	+0.00 / -0.13	305.00	320.00	6.50	13.00	320.00	+0.32 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W310325065WA	310.00	+0.00 / -0.13	310.00	325.00	6.50	13.00	325.00	+0.36 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W315330065WA	315.00	+0.00 / -0.13	315.00	330.00	6.50	13.00	330.00	+0.36 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R

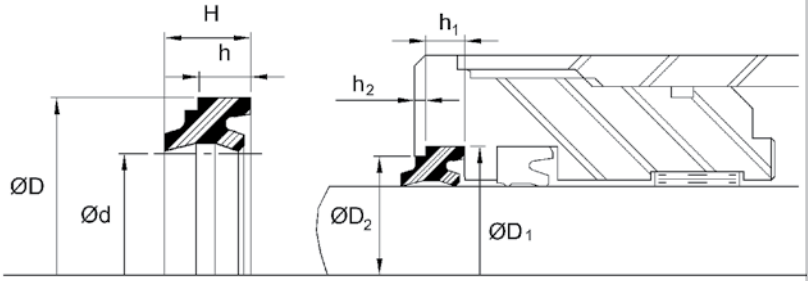
Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.	$ NBR	$ AU /U
W320335065WA	320.00	+0.00 / -0.13	320.00	335.00	6.50	13.00	335.00	+0.36 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W340355065WA	340.00	+0.00 / -0.13	340.00	355.00	6.50	13.00	355.00	+0.36 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W365380065WA	365.00	+0.00 / -0.13	365.00	380.00	6.50	13.00	380.00	+0.36 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W400415065WA	400.00	+0.00 / -0.13	400.00	415.00	6.50	13.00	415.00	+0.40 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W450465065WA	450.00	+0.00 / -0.13	450.00	465.00	6.50	13.00	465.00	+0.40 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W500515065WA	500.00	+0.00 / -0.13	500.00	515.00	6.50	13.00	515.00	+0.40 / -0.00	6.50	+0.15 / -0.00	2.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R

WB - Rod Wipers

Nitrile NBR 90A

Polyurethane AU 90A





NBR Temperature: -40/212F [-40/100C] **Pressure: N/A**

AU Temperature: -40/230F [-40/110C] **Pressure: N/A**

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.	$ NBR	$ AU /U
W010018060WB	10.00	+0.00 / -0.04	10.00	18.00	6.00	8.00	18.00	+0.11 / -0.00	6.00	+0.15 / -0.00	13.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	5.70
W012020060WB	12.00	+0.00 / -0.04	12.00	20.00	6.00	8.00	20.00	+0.13 / -0.00	6.00	+0.15 / -0.00	15.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	5.70
W014022060WB	14.00	+0.00 / -0.04	14.00	22.00	6.00	8.00	22.00	+0.13 / -0.00	6.00	+0.15 / -0.00	17.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	5.70
W015023060WB	15.00	+0.00 / -0.04	15.00	23.00	6.00	8.00	23.00	+0.13 / -0.00	6.00	+0.15 / -0.00	18.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	5.70
W016024060WB	16.00	+0.00 / -0.04	16.00	24.00	6.00	8.00	24.00	+0.13 / -0.00	6.00	+0.15 / -0.00	19.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	5.70
W018026060WB	18.00	+0.00 / -0.04	18.00	26.00	6.00	8.00	26.00	+0.13 / -0.00	6.00	+0.15 / -0.00	21.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	5.70
W020028060WB	20.00	+0.00 / -0.04	20.00	28.00	6.00	8.00	28.00	+0.13 / -0.00	6.00	+0.15 / -0.00	23.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	6.75
W022030060WB	22.00	+0.00 / -0.04	22.00	30.00	6.00	8.00	30.00	+0.13 / -0.00	6.00	+0.15 / -0.00	25.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	6.75
W024032060WB	24.00	+0.00 / -0.04	24.00	32.00	6.00	8.00	32.00	+0.16 / -0.00	6.00	+0.15 / -0.00	27.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W025033060WB	25.00	+0.00 / -0.04	25.00	33.00	6.00	8.00	33.00	+0.16 / -0.00	6.00	+0.15 / -0.00	28.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	6.75
W028036060WB	28.00	+0.00 / -0.04	28.00	36.00	6.00	8.00	36.00	+0.16 / -0.00	6.00	+0.15 / -0.00	31.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	6.75
W030038060WB	30.00	+0.00 / -0.04	30.00	38.00	6.00	8.00	38.00	+0.16 / -0.00	6.00	+0.15 / -0.00	33.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.30
W032040060WB	32.00	+0.00 / -0.04	32.00	40.00	6.00	8.00	40.00	+0.16 / -0.00	6.00	+0.15 / -0.00	35.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.30
W035043060WB	35.00	+0.00 / -0.04	35.00	43.00	6.00	8.00	43.00	+0.16 / -0.00	6.00	+0.15 / -0.00	38.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.30
W036044060WB	36.00	+0.00 / -0.04	36.00	44.00	6.00	8.00	44.00	+0.16 / -0.00	6.00	+0.15 / -0.00	39.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.30
W037045060WB	37.00	+0.00 / -0.04	37.00	45.00	6.00	8.00	45.00	+0.16 / -0.00	6.00	+0.15 / -0.00	40.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W038046060WB	38.00	+0.00 / -0.04	38.00	46.00	6.00	8.00	46.00	+0.16 / -0.00	6.00	+0.15 / -0.00	41.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W040048060WB	40.00	+0.00 / -0.05	40.00	48.00	6.00	8.00	48.00	+0.16 / -0.00	6.00	+0.15 / -0.00	43.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.30

WB SERIES - NBR 90A & AU 90A

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W042050060WB	42.00	+0.00 / -0.05	42.00	50.00	6.00	8.00	50.00	+0.16 / -0.00	6.00	+0.15 / -0.00	45.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.80
W045053060WB	45.00	+0.00 / -0.05	45.00	53.00	6.00	8.00	53.00	+0.19 / -0.00	6.00	+0.15 / -0.00	48.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	8.80
W046054060WB	46.00	+0.00 / -0.05	46.00	54.00	6.00	8.00	54.00	+0.19 / -0.00	6.00	+0.15 / -0.00	49.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W048056060WB	48.00	+0.00 / -0.05	48.00	56.00	6.00	8.00	56.00	+0.19 / -0.00	6.00	+0.15 / -0.00	51.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W050058060WB	50.00	+0.00 / -0.05	50.00	58.00	6.00	8.00	58.00	+0.19 / -0.00	6.00	+0.15 / -0.00	53.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	9.35
W052060060WB	52.00	+0.00 / -0.05	52.00	60.00	6.00	8.00	60.00	+0.19 / -0.00	6.00	+0.15 / -0.00	55.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W055063060WB	55.00	+0.00 / -0.05	55.00	63.00	6.00	8.00	63.00	+0.19 / -0.00	6.00	+0.15 / -0.00	58.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	10.35
W056064060WB	56.00	+0.00 / -0.05	56.00	64.00	6.00	8.00	64.00	+0.19 / -0.00	6.00	+0.15 / -0.00	59.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	10.35
W060068060WB	60.00	+0.00 / -0.05	60.00	68.00	6.00	8.00	68.00	+0.19 / -0.00	6.00	+0.15 / -0.00	63.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	11.95
W063071060WB	63.00	+0.00 / -0.05	63.00	71.00	6.00	8.00	71.00	+0.19 / -0.00	6.00	+0.15 / -0.00	66.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	11.95
W065073060WB	65.00	+0.00 / -0.06	65.00	73.00	6.00	8.00	73.00	+0.19 / -0.00	6.00	+0.15 / -0.00	68.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	11.95
W068076060WB	68.00	+0.00 / -0.06	68.00	76.00	6.00	8.00	76.00	+0.19 / -0.00	6.00	+0.15 / -0.00	71.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W070078060WB	70.00	+0.00 / -0.06	70.00	78.00	6.00	8.00	78.00	+0.19 / -0.00	6.00	+0.15 / -0.00	73.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	12.95
W075083060WB	75.00	+0.00 / -0.06	75.00	83.00	6.00	8.00	83.00	+0.22 / -0.00	6.00	+0.15 / -0.00	78.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	12.95
W080088060WB	80.00	+0.00 / -0.09	80.00	88.00	6.00	8.00	88.00	+0.22 / -0.00	6.00	+0.15 / -0.00	83.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	14.00
W085093060WB	85.00	+0.00 / -0.09	85.00	93.00	6.00	8.00	93.00	+0.22 / -0.00	6.00	+0.15 / -0.00	88.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	14.00
W090098060WB	90.00	+0.00 / -0.09	90.00	98.00	6.00	8.00	98.00	+0.22 / -0.00	6.00	+0.15 / -0.00	93.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	15.55
W095103060WB	95.00	+0.00 / -0.09	95.00	103.00	6.00	8.00	103.00	+0.22 / -0.00	6.00	+0.15 / -0.00	98.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W100108060WB	100.00	+0.00 / -0.09	100.00	108.00	6.00	8.00	108.00	+0.22 / -0.00	6.00	+0.15 / -0.00	103.50	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	21.75
W105117082WB	105.00	+0.00 / -0.13	105.00	117.00	8.20	11.00	117.00	+0.22 / -0.00	8.20	+0.15 / -0.00	110.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	21.75
W110122082WB	110.00	+0.00 / -0.13	110.00	122.00	8.20	11.00	122.00	+0.25 / -0.00	8.20	+0.15 / -0.00	115.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	23.30
W115127082WB	115.00	+0.00 / -0.13	115.00	127.00	8.20	11.00	127.00	+0.25 / -0.00	8.20	+0.15 / -0.00	120.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	23.80
W120132082WB	120.00	+0.00 / -0.13	120.00	132.00	8.20	11.00	132.00	+0.25 / -0.00	8.20	+0.15 / -0.00	125.00	+0.01 / -0.01	2.00	+0.02 / -0.02	28.20	23.80
W125137082WB	125.00	+0.00 / -0.13	125.00	137.00	8.20	11.00	137.00	+0.25 / -0.00	8.20	+0.15 / -0.00	130.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	27.45
W130142082WB	130.00	+0.00 / -0.13	130.00	142.00	8.20	11.00	142.00	+0.25 / -0.00	8.20	+0.15 / -0.00	135.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	30.00
W135147082WB	135.00	+0.00 / -0.13	135.00	147.00	8.20	11.00	147.00	+0.25 / -0.00	8.20	+0.15 / -0.00	140.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	30.95
W140152082WB	140.00	+0.00 / -0.13	140.00	152.00	8.20	11.00	152.00	+0.25 / -0.00	8.20	+0.15 / -0.00	145.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	30.95
W145157082WB	145.00	+0.00 / -0.13	145.00	157.00	8.20	11.00	157.00	+0.25 / -0.00	8.20	+0.15 / -0.00	150.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W150162082WB	150.00	+0.00 / -0.13	150.00	162.00	8.20	11.00	162.00	+0.25 / -0.00	8.20	+0.15 / -0.00	155.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	32.05
W155167082WB	155.00	+0.00 / -0.13	155.00	167.00	8.20	11.00	167.00	+0.25 / -0.00	8.20	+0.15 / -0.00	160.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W160172082WB	160.00	+0.00 / -0.13	160.00	172.00	8.20	11.00	172.00	+0.25 / -0.00	8.20	+0.15 / -0.00	165.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	46.00
W165177082WB	165.00	+0.00 / -0.13	165.00	177.00	8.20	11.00	177.00	+0.25 / -0.00	8.20	+0.15 / -0.00	170.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W170182082WB	170.00	+0.00 / -0.13	170.00	182.00	8.20	11.00	182.00	+0.29 / -0.00	8.20	+0.15 / -0.00	175.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	54.75
W180192082WB	180.00	+0.00 / -0.13	180.00	192.00	8.20	11.00	192.00	+0.29 / -0.00	8.20	+0.15 / -0.00	185.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	68.20
W185197082WB	185.00	+0.00 / -0.13	185.00	197.00	8.20	11.00	197.00	+0.29 / -0.00	8.20	+0.15 / -0.00	190.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W190202082WB	190.00	+0.00 / -0.13	190.00	202.00	8.20	11.00	202.00	+0.29 / -0.00	8.20	+0.15 / -0.00	195.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W195207082WB	195.00	+0.00 / -0.13	195.00	207.00	8.20	11.00	207.00	+0.29 / -0.00	8.20	+0.15 / -0.00	200.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W200212082WB	200.00	+0.00 / -0.13	200.00	212.00	8.20	11.00	212.00	+0.29 / -0.00	8.20	+0.15 / -0.00	205.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	82.30
W205220095WB	205.00	+0.00 / -0.13	205.00	220.00	9.50	13.00	220.00	+0.29 / -0.00	9.50	+0.15 / -0.00	212.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W210225095WB	210.00	+0.00 / -0.13	210.00	225.00	9.50	13.00	225.00	+0.29 / -0.00	9.50	+0.15 / -0.00	217.00	+0.01 / -0.01	2.00	+0.02 / -0.02	194.00	O/R
W220235095WB	220.00	+0.00 / -0.13	220.00	235.00	9.50	13.00	235.00	+0.29 / -0.00	9.50	+0.15 / -0.00	227.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W225240095WB	225.00	+0.00 / -0.13	225.00	240.00	9.50	13.00	240.00	+0.29 / -0.00	9.50	+0.15 / -0.00	232.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W240255095WB	240.00	+0.00 / -0.13	240.00	255.00	9.50	13.00	255.00	+0.32 / -0.00	9.50	+0.15 / -0.00	247.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W250265095WB	250.00	+0.00 / -0.13	250.00	265.00	9.50	13.00	265.00	+0.32 / -0.00	9.50	+0.15 / -0.00	257.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W260275095WB	260.00	+0.00 / -0.13	260.00	275.00	9.50	13.00	275.00	+0.32 / -0.00	9.50	+0.15 / -0.00	267.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W275290095WB	275.00	+0.00 / -0.13	275.00	290.00	9.50	13.00	280.00	+0.32 / -0.00	9.50	+0.15 / -0.00	282.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W280295095WB	280.00	+0.00 / -0.13	280.00	295.00	9.50	13.00	295.00	+0.32 / -0.00	9.50	+0.15 / -0.00	287.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W290305095WB	290.00	+0.00 / -0.13	290.00	305.00	9.50	13.00	305.00	+0.32 / -0.00	9.50	+0.15 / -0.00	297.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R

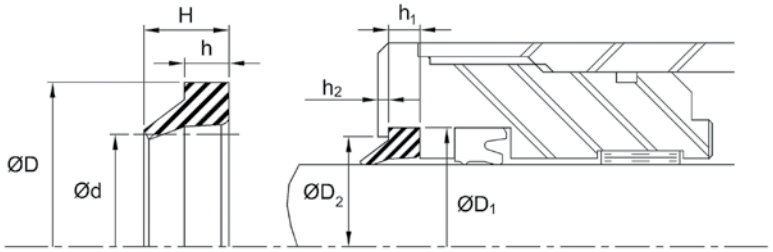
Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.	$ NBR	$ AU /U
W300315095WB	300.00	+0.00 / -0.13	300.00	315.00	9.50	13.00	315.00	+0.32 / -0.00	9.50	+0.15 / -0.00	307.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W320335095WB	320.00	+0.00 / -0.13	320.00	335.00	9.50	13.00	335.00	+0.36 / -0.00	9.50	+0.15 / -0.00	327.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W350365095WB	350.00	+0.00 / -0.13	350.00	365.00	9.50	13.00	355.00	+0.36 / -0.00	9.50	+0.15 / -0.00	357.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W360375095WB	360.00	+0.00 / -0.13	360.00	375.00	9.50	13.00	380.00	+0.36 / -0.00	9.50	+0.15 / -0.00	367.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R
W370385095WB	370.00	+0.00 / -0.13	370.00	385.00	9.50	13.00	415.00	+0.40 / -0.00	9.50	+0.15 / -0.00	377.00	+0.01 / -0.01	2.00	+0.02 / -0.02	O/R	O/R

WC - Rod Wipers

Nitrile NBR 90A

Polyurethane AU 90A





NBR Temperature: -40/212F [-40/100C] **Pressure: N/A**

AU Temperature: -40/230F [-40/110C] **Pressure: N/A**

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.	$ NBR	$ AU /U
W004012027WC	4.00	+0.00 / -0.04	4.00	12.00	2.70	4.00	12.00	+0.07 / -0.00	9.00	+0.09 / -0.00	3.00	+0.10 / -0.00	1.30	+0.20 / -0.20	O/R	2.55
W005012025WC	5.00	+0.00 / -0.04	5.00	12.00	2.50	4.00	12.00	+0.07 / -0.00	9.00	+0.09 / -0.00	2.80	+0.10 / -0.00	1.50	+0.20 / -0.20	O/R	2.70
W006012027WC	6.00	+0.00 / -0.04	6.00	12.00	2.70	4.00	12.00	+0.07 / -0.00	9.00	+0.09 / -0.00	3.00	+0.10 / -0.00	1.30	+0.20 / -0.20	O/R	3.00
W008014035WC	8.00	+0.00 / -0.04	8.00	14.00	3.50	4.50	14.60	+0.07 / -0.00	11.00	+0.11 / -0.00	3.80	+0.10 / -0.00	1.00	+0.20 / -0.20	O/R	3.00
W009013022WC	9.00	+0.00 / -0.04	9.00	13.00	2.20	3.50	13.00	+0.07 / -0.00	12.00	+0.11 / -0.00	2.50	+0.10 / -0.00	1.30	+0.20 / -0.20	O/R	3.00
W010016035WC	10.00	+0.00 / -0.04	10.00	16.00	3.50	5.00	16.60	+0.07 / -0.00	13.00	+0.11 / -0.00	3.80	+0.10 / -0.00	1.50	+0.20 / -0.20	O/R	3.00
W012018035WC	12.00	+0.00 / -0.04	12.00	18.00	3.50	5.50	18.60	+0.08 / -0.00	15.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	4.15	3.00
W013019035WC	13.00	+0.00 / -0.04	13.00	19.00	3.50	5.50	19.60	+0.08 / -0.00	16.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W014020035WC	14.00	+0.00 / -0.04	14.00	20.00	3.50	5.50	20.60	+0.08 / -0.00	17.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	#N/A
W014020035WC	14.00	+0.00 / -0.04	14.00	20.00	3.50	5.00	20.60	+0.08 / -0.00	17.00	+0.11 / -0.00	3.80	+0.10 / -0.00	1.50	+0.20 / -0.20	O/R	3.35
W014021035WC	14.00	+0.00 / -0.04	14.00	21.00	3.50	5.50	21.60	+0.08 / -0.00	17.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W015021035WC	15.00	+0.00 / -0.04	15.00	21.00	3.50	5.50	21.60	+0.08 / -0.00	18.00	+0.10 / -0.00	3.00	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	3.35
W016022028WC	16.00	+0.00 / -0.04	16.00	22.00	2.80	4.00	22.60	+0.08 / -0.00	19.00	+0.13 / -0.00	3.00	+0.10 / -0.00	1.20	+0.20 / -0.20	O/R	3.35
W016022035WC	16.00	+0.00 / -0.04	16.00	22.00	3.50	5.50	22.60	+0.08 / -0.00	19.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	5.40	4.05
W016024040WC	16.00	+0.00 / -0.04	16.00	24.00	4.00	7.00	24.20	+0.08 / -0.00	19.00	+0.10 / -0.00	4.30	+0.10 / -0.00	3.00	+0.20 / -0.20	O/R	O/R
W016024050WC	16.00	+0.00 / -0.04	16.00	24.00	5.00	7.00	24.60	+0.08 / -0.00	19.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	4.90
W017023035WC	17.00	+0.00 / -0.04	17.00	23.00	3.50	5.50	23.60	+0.08 / -0.00	20.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W017024035WC	17.00	+0.00 / -0.04	17.00	24.00	3.50	5.50	24.60	+0.08 / -0.00	20.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W018024035WC	18.00	+0.00 / -0.04	18.00	24.00	3.50	5.50	24.60	+0.08 / -0.00	21.00	+0.10 / -0.00	3.80	+0.10 / -0.00	2.00	+0.20 / -0.20	7.05	3.35
W018026050WC	18.00	+0.00 / -0.04	18.00	26.00	5.00	7.00	26.60	+0.08 / -0.00	21.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R

WC SERIES - NBR 90A & AU 90A

Ref.Number	Rod diameter	Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
	Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W018030040WC	18.00 +0.00 / -0.04	18.00	30.00	4.00	7.00	30.20 +0.08 / -0.00		21.00 +0.10 / -0.00		4.30 +0.10 / -0.00		3.00 +0.20 / -0.20		7.85	O/R
W018030050WC	18.00 +0.00 / -0.04	18.00	30.00	5.00	7.00	30.60 +0.08 / -0.00		21.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.85	O/R
W019028050WC	19.00 +0.00 / -0.04	19.00	28.00	5.00	7.00	28.60 +0.08 / -0.00		22.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W020026031WC	20.00 +0.00 / -0.04	20.00	26.00	3.10	5.20	26.60 +0.08 / -0.00		23.00 +0.13 / -0.00		3.40 +0.10 / -0.00		2.10 +0.20 / -0.20		O/R	3.35
W020028050WC	20.00 +0.00 / -0.04	20.00	28.00	5.00	7.00	28.60 +0.08 / -0.00		23.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.15	4.25
W022029050WC	22.00 +0.00 / -0.04	22.00	29.50	5.00	7.00	30.10 +0.08 / -0.00		25.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W022030050WC	22.00 +0.00 / -0.04	22.00	30.00	5.00	7.00	30.60 +0.08 / -0.00		25.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.15	4.05
W024032050WC	24.00 +0.00 / -0.04	24.00	32.00	5.00	7.00	32.60 +0.08 / -0.00		27.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.15	4.05
W025033050WC	25.00 +0.00 / -0.04	25.00	33.00	5.00	7.00	33.60 +0.08 / -0.00		28.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.25	4.70
W026033040WC	26.00 +0.00 / -0.04	26.00	33.00	4.00	7.00	33.20 +0.08 / -0.00		29.00 +0.10 / -0.00		4.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W026034050WC	26.00 +0.00 / -0.04	26.00	34.00	5.00	7.00	34.60 +0.08 / -0.00		29.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W027035050WC	27.00 +0.00 / -0.04	27.00	35.00	5.00	7.00	35.60 +0.08 / -0.00		30.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.65	O/R
W028036050WC	28.00 +0.00 / -0.04	28.00	36.00	5.00	7.00	36.60 +0.08 / -0.00		31.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.35	4.80
W029040070WC	29.50 +0.00 / -0.04	29.50	40.00	7.00	12.00	40.20 +0.08 / -0.00		35.50 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	O/R
W030038050WC	30.00 +0.00 / -0.04	30.00	38.00	5.00	7.00	38.60 +0.08 / -0.00		33.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.75	5.20
W030040028WC	30.00 +0.00 / -0.04	30.00	40.00	2.80	4.00	40.00 +0.10 / -0.00		34.50 +0.16 / -0.00		3.00 +0.10 / -0.00		1.20 +0.20 / -0.20		O/R	4.75
W030042060WC	30.00 +0.00 / -0.04	30.00	42.00	6.00	9.00	42.60 +0.08 / -0.00		36.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		8.95	O/R
W030042070WC	30.00 +0.00 / -0.04	30.00	42.00	7.00	12.00	42.20 +0.08 / -0.00		36.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	O/R
W032040035WC	32.00 +0.00 / -0.04	32.00	40.00	3.50	5.00	40.00 +0.10 / -0.00		35.00 +0.16 / -0.00		3.80 +0.10 / -0.00		1.50 +0.20 / -0.20		O/R	4.75
W032040050WC	32.00 +0.00 / -0.04	32.00	40.00	5.00	7.00	40.60 +0.08 / -0.00		35.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		4.75	5.20
W032042040WC	32.00 +0.00 / -0.04	32.00	42.00	4.00	6.00	42.00 +0.10 / -0.00		35.00 +0.16 / -0.00		4.20 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W033041050WC	33.00 +0.00 / -0.04	33.00	41.00	5.00	7.00	41.60 +0.08 / -0.00		36.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W033042050WC	33.00 +0.00 / -0.04	33.00	42.00	5.00	7.00	42.60 +0.08 / -0.00		36.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W035040035WC	35.00 +0.00 / -0.04	35.00	40.00	3.50	5.00	40.00 +0.10 / -0.00		38.00 +0.16 / -0.00		3.80 +0.10 / -0.00		1.50 +0.20 / -0.20		O/R	4.75
W035043050WC	35.00 +0.00 / -0.04	35.00	43.00	5.00	7.00	43.60 +0.08 / -0.00		38.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		5.05	4.75
W035045038WC	35.00 +0.00 / -0.04	35.00	45.00	3.80	6.00	45.00 +0.10 / -0.00		39.00 +0.16 / -0.00		4.00 +0.10 / -0.00		2.20 +0.20 / -0.20		O/R	4.75
W035047040WC	35.00 +0.00 / -0.04	35.00	47.00	4.00	7.00	47.20 +0.08 / -0.00		38.00 +0.10 / -0.00		4.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W035047050WC	35.00 +0.00 / -0.04	35.00	47.00	5.00	7.00	47.60 +0.08 / -0.00		38.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W036044050WC	36.00 +0.00 / -0.04	36.00	44.00	5.00	7.00	44.60 +0.08 / -0.00		39.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		5.05	5.55
W036048060WC	36.00 +0.00 / -0.04	36.00	48.00	6.00	9.00	48.20 +0.08 / -0.00		42.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W038046050WC	38.00 +0.00 / -0.04	38.00	46.00	5.00	7.00	46.60 +0.08 / -0.00		41.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	5.70
W038048045WC	38.00 +0.00 / -0.04	38.00	48.00	4.50	7.00	48.60 +0.10 / -0.00		41.00 +0.16 / -0.00		4.80 +0.10 / -0.00		2.50 +0.20 / -0.20		O/R	5.40
W040048040WC	40.00 +0.00 / -0.05	40.00	48.00	4.00	6.00	48.00 +0.10 / -0.00		43.00 +0.16 / -0.00		4.20 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W040048050WC	40.00 +0.00 / -0.05	40.00	48.00	5.00	7.00	48.60 +0.08 / -0.00		43.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		5.25	5.70
W040052060WC	40.00 +0.00 / -0.05	40.00	52.00	6.00	9.00	52.20 +0.08 / -0.00		46.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W042050050WC	42.00 +0.00 / -0.05	42.00	50.00	5.00	7.00	50.60 +0.08 / -0.00		45.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		5.55	6.05
W042054060WC	42.00 +0.00 / -0.05	42.00	54.00	6.00	9.00	54.20 +0.08 / -0.00		48.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W045053050WC	45.00 +0.00 / -0.05	45.00	53.00	5.00	7.00	53.60 +0.08 / -0.00		48.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.10	6.05
W045055050WC	45.00 +0.00 / -0.05	45.00	55.00	5.00	7.00	55.60 +0.08 / -0.00		48.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.20	O/R
W045057050WC	45.00 +0.00 / -0.05	45.00	57.00	5.00	7.00	57.60 +0.08 / -0.00		48.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W045057060WC	45.00 +0.00 / -0.05	45.00	57.00	6.00	9.00	57.20 +0.08 / -0.00		51.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W045060040WC	45.00 +0.00 / -0.05	45.00	60.00	4.00	6.00	60.00 +0.12 / -0.00		53.00 +0.16 / -0.00		4.20 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	6.10
W046054050WC	46.00 +0.00 / -0.05	46.00	54.00	5.00	7.00	54.60 +0.08 / -0.00		49.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.25	6.10
W048056050WC	48.00 +0.00 / -0.05	48.00	56.00	5.00	7.00	56.60 +0.08 / -0.00		51.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.25	O/R
W050058050WC	50.00 +0.00 / -0.05	50.00	58.00	5.00	7.00	58.60 +0.08 / -0.00		53.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.30	6.45
W050060050WC	50.00 +0.00 / -0.05	50.00	60.00	5.00	7.00	60.60 +0.08 / -0.00		53.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.35	O/R
W050062050WC	50.00 +0.00 / -0.05	50.00	62.00	5.00	7.00	62.60 +0.08 / -0.00		53.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W050062060WC	50.00 +0.00 / -0.05	50.00	62.00	6.00	9.00	62.20 +0.08 / -0.00		56.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R

Ref.Number	Rod diameter	Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
	Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W050065040WC	50.00 +0.00 / -0.05	50.00	65.00	4.00	6.00	65.60 +0.12 / -0.00		53.00 +0.19 / -0.00		4.20 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	6.40
W053061050WC	53.00 +0.00 / -0.05	53.00	61.00	5.00	7.00	61.60 +0.08 / -0.00		56.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	6.40
W055063050WC	55.00 +0.00 / -0.05	55.00	63.00	5.00	7.00	63.60 +0.08 / -0.00		58.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.05	7.60
W055065050WC	55.00 +0.00 / -0.05	55.00	65.00	5.00	7.00	65.60 +0.08 / -0.00		58.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.85	O/R
W055067060WC	55.00 +0.00 / -0.05	55.00	67.00	6.00	9.00	67.20 +0.08 / -0.00		61.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W056064050WC	56.00 +0.00 / -0.05	56.00	64.00	5.00	7.00	64.60 +0.08 / -0.00		59.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	6.75
W056066050WC	56.00 +0.00 / -0.05	56.00	66.00	5.00	7.00	66.60 +0.08 / -0.00		59.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		6.85	7.25
W058068050WC	58.00 +0.00 / -0.05	58.00	68.00	5.00	7.00	68.60 +0.08 / -0.00		61.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W060068050WC	60.00 +0.00 / -0.05	60.00	68.00	5.00	7.00	68.60 +0.08 / -0.00		63.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.05	7.95
W060070050WC	60.00 +0.00 / -0.05	60.00	70.00	5.00	7.00	70.60 +0.08 / -0.00		63.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.20	6.75
W060070052WC	60.00 +0.00 / -0.05	60.00	70.00	5.20	7.00	70.60 +0.12 / -0.00		66.50 +0.19 / -0.00		5.50 +0.10 / -0.00		1.80 +0.20 / -0.20		O/R	O/R
W061067050WC	61.00 +0.00 / -0.05	61.00	67.00	5.00	7.00	67.60 +0.12 / -0.00		64.00 +0.19 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W061069050WC	61.00 +0.00 / -0.05	61.00	69.00	5.00	7.00	69.60 +0.12 / -0.00		64.00 +0.19 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W062070050WC	62.00 +0.00 / -0.05	62.00	70.00	5.00	7.00	70.60 +0.08 / -0.00		65.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W063071050WC	63.00 +0.00 / -0.05	63.00	71.00	5.00	7.00	71.60 +0.08 / -0.00		66.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		16.15	10.20
W063073050WC	63.00 +0.00 / -0.06	63.00	73.00	5.00	7.00	73.60 +0.08 / -0.00		66.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.65	O/R
W063075060WC	63.00 +0.00 / -0.06	63.00	75.00	6.00	9.00	75.20 +0.08 / -0.00		69.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W065073050WC	65.00 +0.00 / -0.06	65.00	73.00	5.00	7.00	73.60 +0.08 / -0.00		68.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		7.75	8.40
W065075050WC	65.00 +0.00 / -0.06	65.00	75.00	5.00	7.00	75.60 +0.10 / -0.00		68.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		9.55	O/R
W065076058WC	65.00 +0.00 / -0.06	65.00	76.00	5.80	7.00	76.60 +0.12 / -0.00		71.50 +0.19 / -0.00		6.00 +0.10 / -0.00		1.20 +0.20 / -0.20		O/R	6.75
W065077060WC	65.00 +0.00 / -0.06	65.00	77.00	6.00	9.00	77.20 +0.10 / -0.00		71.00 +0.10 / -0.00		6.30 +0.10 / -0.00		3.00 +0.20 / -0.20		O/R	O/R
W065077070WC	65.00 +0.00 / -0.06	65.00	77.00	7.00	12.00	77.20 +0.10 / -0.00		71.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	O/R
W067076052WC	67.00 +0.00 / -0.06	67.00	76.00	5.20	7.00	76.60 +0.12 / -0.00		71.00 +0.19 / -0.00		5.50 +0.10 / -0.00		1.80 +0.20 / -0.20		O/R	6.75
W070078050WC	70.00 +0.00 / -0.06	70.00	78.00	5.00	7.00	78.60 +0.10 / -0.00		73.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		14.20	8.80
W070080050WC	70.00 +0.00 / -0.06	70.00	80.00	5.00	7.00	80.60 +0.10 / -0.00		73.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		10.85	O/R
W070080070WC	70.00 +0.00 / -0.06	70.00	80.00	7.00	12.00	80.20 +0.10 / -0.00		76.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	O/R
W070082070WC	70.00 +0.00 / -0.06	70.00	82.00	7.00	12.00	82.20 +0.10 / -0.00		76.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		7.90	11.30
W072080050WC	72.00 +0.00 / -0.06	72.00	80.00	5.00	7.00	80.60 +0.10 / -0.00		75.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W073081050WC	73.00 +0.00 / -0.06	73.00	81.00	5.00	7.00	81.60 +0.10 / -0.00		76.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	7.05
W075083050WC	75.00 +0.00 / -0.06	75.00	83.00	5.00	7.00	83.60 +0.10 / -0.00		78.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		9.10	11.75
W075085070WC	75.00 +0.00 / -0.06	75.00	85.00	5.00	7.00	85.60 +0.10 / -0.00		78.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W075087050WC	75.00 +0.00 / -0.06	75.00	87.00	5.00	7.00	87.60 +0.10 / -0.00		78.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W075087070WC	75.00 +0.00 / -0.06	75.00	87.00	7.00	12.00	87.20 +0.10 / -0.00		81.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		11.20	7.05
W075088050WC	75.00 +0.00 / -0.06	75.00	88.00	5.00	7.00	88.60 +0.10 / -0.00		78.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W076082050WC	76.00 +0.00 / -0.09	76.00	82.00	5.00	7.00	82.60 +0.14 / -0.00		81.00 +0.22 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W076084050WC	76.00 +0.00 / -0.09	76.00	84.00	5.00	7.00	84.60 +0.14 / -0.00		79.00 +0.22 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W076088070WC	76.50 +0.00 / -0.09	76.50	88.00	7.00	12.00	88.20 +0.10 / -0.00		82.50 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	O/R
W078086050WC	78.00 +0.00 / -0.09	78.00	86.00	5.00	7.00	86.60 +0.14 / -0.00		81.00 +0.22 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	7.75
W078088052WC	78.00 +0.00 / -0.09	78.00	88.00	5.20	7.00	88.60 +0.14 / -0.00		84.50 +0.22 / -0.00		5.50 +0.10 / -0.00		1.80 +0.20 / -0.20		O/R	7.75
W078092070WC	78.00 +0.00 / -0.09	78.00	92.00	7.00	12.00	92.20 +0.10 / -0.00		84.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	7.75
W080088050WC	80.00 +0.00 / -0.09	80.00	88.00	5.00	7.00	88.60 +0.10 / -0.00		83.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		9.75	12.45
W080090070WC	80.00 +0.00 / -0.09	80.00	90.00	7.00	12.00	90.20 +0.10 / -0.00		86.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		O/R	O/R
W080092070WC	80.00 +0.00 / -0.09	80.00	92.00	7.00	12.00	92.20 +0.10 / -0.00		86.00 +0.10 / -0.00		7.10 +0.10 / -0.00		5.00 +0.20 / -0.20		11.85	16.00
W080096080WC	80.00 +0.00 / -0.09	80.00	96.00	8.00	12.00	96.20 +0.10 / -0.00		86.00 +0.10 / -0.00		8.20 +0.10 / -0.00		4.00 +0.20 / -0.20		O/R	O/R
W083091050WC	83.00 +0.00 / -0.09	83.00	91.00	5.00	7.00	91.60 +0.10 / -0.00		86.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W083098050WC	83.00 +0.00 / -0.09	83.00	98.00	5.00	7.00	98.60 +0.10 / -0.00		86.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W084091050WC	84.00 +0.00 / -0.09	84.00	91.70	5.00	7.00	92.30 +0.10 / -0.00		87.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		O/R	O/R
W085093050WC	85.00 +0.00 / -0.09	85.00	93.00	5.00	7.00	93.60 +0.10 / -0.00		88.00 +0.10 / -0.00		5.30 +0.10 / -0.00		2.00 +0.20 / -0.20		12.40	16.75

WC SERIES - NBR 90A & AU 90A

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.	$ NBR	$ AU /U
W085097070WC	85.00	+0.00 / -0.09	85.00	97.00	7.00	12.00	97.20	+0.10 / -0.00	91.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	12.95	13.10
W085101050WC	85.00	+0.00 / -0.09	85.00	101.00	5.00	7.00	101.60	+0.10 / -0.00	88.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W087095040WC	87.00	+0.00 / -0.09	87.00	95.00	4.00	7.00	95.20	+0.10 / -0.00	90.00	+0.10 / -0.00	4.30	+0.10 / -0.00	3.00	+0.20 / -0.20	O/R	O/R
W088096050WC	88.00	+0.00 / -0.09	88.00	96.00	5.00	7.00	96.60	+0.14 / -0.00	91.00	+0.22 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W088100070WC	88.00	+0.00 / -0.09	88.00	100.00	7.00	12.00	100.20	+0.10 / -0.00	94.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W090098050WC	90.00	+0.00 / -0.09	90.00	98.00	5.00	7.00	98.60	+0.14 / -0.00	93.00	+0.22 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	12.00
W090100070WC	90.00	+0.00 / -0.09	90.00	100.00	7.00	12.00	100.20	+0.10 / -0.00	96.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	13.15	O/R
W090102058WC	90.00	+0.00 / -0.09	90.00	102.00	5.80	8.00	102.20	+0.14 / -0.00	94.00	+0.22 / -0.00	6.00	+0.10 / -0.00	2.20	+0.20 / -0.20	O/R	8.40
W090102070WC	90.00	+0.00 / -0.09	90.00	102.00	7.00	12.00	102.20	+0.10 / -0.00	96.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	13.20	13.20
W090107070WC	90.00	+0.00 / -0.09	90.00	107.00	7.00	12.00	107.20	+0.10 / -0.00	96.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W091097050WC	91.00	+0.00 / -0.09	91.00	97.00	5.00	7.00	97.60	+0.14 / -0.00	94.00	+0.22 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W091099050WC	91.00	+0.00 / -0.09	91.00	99.00	5.00	7.00	99.60	+0.14 / -0.00	94.00	+0.22 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W092100050WC	92.00	+0.00 / -0.09	92.00	100.00	5.00	7.00	100.60	+0.10 / -0.00	95.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W092103052WC	92.00	+0.00 / -0.09	92.00	103.00	5.20	7.00	103.60	+0.14 / -0.00	97.00	+0.22 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	9.05
W092104070WC	92.00	+0.00 / -0.09	92.00	104.00	7.00	12.00	104.20	+0.10 / -0.00	98.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W093101047WC	93.00	+0.00 / -0.09	93.00	101.00	4.70	7.00	101.00	+0.14 / -0.00	96.00	+0.22 / -0.00	5.00	+0.10 / -0.00	2.30	+0.20 / -0.20	O/R	9.05
W095103050WC	95.00	+0.00 / -0.09	95.00	103.00	5.00	7.00	103.60	+0.10 / -0.00	98.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	13.50	O/R
W095105070WC	95.00	+0.00 / -0.09	95.00	105.00	7.00	12.00	105.20	+0.10 / -0.00	101.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W095107070WC	95.00	+0.00 / -0.09	95.00	107.00	7.00	12.00	107.20	+0.10 / -0.00	101.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	13.60	16.95
W097105047WC	97.00	+0.00 / -0.09	97.00	105.00	4.70	7.00	105.00	+0.14 / -0.00	100.00	+0.22 / -0.00	5.00	+0.10 / -0.00	2.30	+0.20 / -0.20	O/R	10.05
W097111070WC	97.00	+0.00 / -0.09	97.00	111.00	7.00	12.00	111.20	+0.10 / -0.00	103.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W099109052WC	99.00	+0.00 / -0.09	99.00	109.00	5.20	7.00	109.60	+0.14 / -0.00	105.50	+0.22 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	10.05
W100108050WC	100.00	+0.00 / -0.09	100.00	108.00	5.00	7.00	108.60	+0.10 / -0.00	103.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	13.65	O/R
W100112058WC	100.00	+0.00 / -0.09	100.00	112.00	5.80	8.00	112.20	+0.14 / -0.00	104.00	+0.22 / -0.00	6.00	+0.10 / -0.00	2.20	+0.20 / -0.20	O/R	10.05
W100112070WC	100.00	+0.00 / -0.09	100.00	112.00	7.00	12.00	112.20	+0.10 / -0.00	106.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	13.65	13.65
W100116080WC	100.00	+0.00 / -0.09	100.00	116.00	8.00	12.00	116.20	+0.10 / -0.00	106.00	+0.10 / -0.00	8.20	+0.10 / -0.00	4.00	+0.20 / -0.20	O/R	O/R
W101110050WC	101.00	+0.00 / -0.13	101.00	110.80	5.00	7.00	111.40	+0.10 / -0.00	104.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W103115070WC	103.00	+0.00 / -0.13	103.00	115.00	7.00	12.00	115.20	+0.10 / -0.00	109.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W104116070WC	104.00	+0.00 / -0.13	104.00	116.00	7.00	12.00	116.20	+0.10 / -0.00	110.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W105113050WC	105.00	+0.00 / -0.13	105.00	113.00	5.00	7.00	113.60	+0.10 / -0.00	108.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	14.00	O/R
W105116070WC	105.00	+0.00 / -0.13	105.00	116.00	7.00	12.00	116.20	+0.10 / -0.00	111.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W105117070WC	105.00	+0.00 / -0.13	105.00	117.00	7.00	12.00	117.20	+0.10 / -0.00	111.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	14.70	10.05
W105120070WC	105.00	+0.00 / -0.13	105.00	120.00	7.00	12.00	120.20	+0.10 / -0.00	111.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W107113050WC	107.00	+0.00 / -0.13	107.00	113.00	5.00	7.00	113.60	+0.14 / -0.00	110.00	+0.22 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W110118050WC	110.00	+0.00 / -0.13	110.00	118.00	5.00	7.00	118.60	+0.10 / -0.00	113.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	15.60	O/R
W110122070WC	110.00	+0.00 / -0.13	110.00	122.00	7.00	12.00	122.20	+0.10 / -0.00	116.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	15.75	20.25
W112120050WC	112.00	+0.00 / -0.13	112.00	120.00	5.00	7.00	120.60	+0.10 / -0.00	115.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W112124070WC	112.00	+0.00 / -0.13	112.00	124.00	7.00	12.00	124.20	+0.16 / -0.00	118.00	+0.22 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	10.70
W114125070WC	114.00	+0.00 / -0.13	114.00	125.00	7.00	12.00	125.20	+0.10 / -0.00	120.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W115123050WC	115.00	+0.00 / -0.13	115.00	123.00	5.00	7.00	123.60	+0.10 / -0.00	118.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	21.05	O/R
W115125050WC	115.00	+0.00 / -0.13	115.00	125.00	5.00	7.00	125.60	+0.10 / -0.00	118.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	21.05	O/R
W115127070WC	115.00	+0.00 / -0.13	115.00	127.00	7.00	12.00	127.20	+0.10 / -0.00	121.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	21.80	11.00
W116128070WC	116.00	+0.00 / -0.13	116.00	128.00	7.00	12.00	128.20	+0.10 / -0.00	122.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W116130070WC	116.00	+0.00 / -0.13	116.00	130.00	7.00	12.00	130.20	+0.10 / -0.00	122.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W118126047WC	118.00	+0.00 / -0.13	118.00	126.00	4.70	7.00	126.00	+0.16 / -0.00	121.00	+0.25 / -0.00	5.00	+0.10 / -0.00	2.30	+0.20 / -0.20	O/R	11.70
W118128050WC	118.00	+0.00 / -0.13	118.00	128.00	5.00	7.00	128.60	+0.10 / -0.00	121.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W118130070WC	118.00	+0.00 / -0.13	118.00	130.00	7.00	12.00	130.20	+0.10 / -0.00	124.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W120128050WC	120.00	+0.00 / -0.13	120.00	128.00	5.00	7.00	128.60	+0.10 / -0.00	123.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	18.10

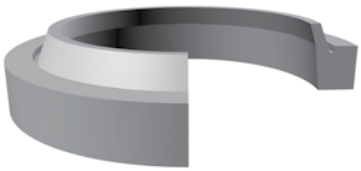
Ref.Number	Rod diameter	Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
	Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W120130050WC	120.00 +0.00 / -0.13	120.00	130.00	5.00	7.00	130.60	+0.10 / -0.00	123.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W120130052WC	120.00 +0.00 / -0.13	120.00	130.00	5.20	7.00	130.60	+0.16 / -0.00	126.50	+0.25 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	12.05
W120132070WC	120.00 +0.00 / -0.13	120.00	132.00	7.00	12.00	132.20	+0.10 / -0.00	126.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	19.05	20.20
W121130050WC	121.00 +0.00 / -0.13	121.00	130.60	5.00	7.00	131.20	+0.10 / -0.00	124.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W125133050WC	125.00 +0.00 / -0.13	125.00	133.00	5.00	7.00	133.60	+0.10 / -0.00	128.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W125137070WC	125.00 +0.00 / -0.13	125.00	137.00	7.00	12.00	137.20	+0.10 / -0.00	131.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	19.90	26.40
W125137075WC	125.00 +0.00 / -0.13	125.00	137.00	7.50	12.00	137.20	+0.10 / -0.00	131.00	+0.10 / -0.00	7.60	+0.10 / -0.00	4.50	+0.20 / -0.20	O/R	O/R
W125140100WC	125.00 +0.00 / -0.13	125.00	140.00	10.00	16.00	140.00	+0.10 / -0.00	132.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	20.60	13.90
W125141080WC	125.00 +0.00 / -0.13	125.00	141.00	8.00	12.00	141.20	+0.10 / -0.00	131.00	+0.10 / -0.00	8.20	+0.10 / -0.00	4.00	+0.20 / -0.20	O/R	O/R
W127135050WC	127.00 +0.00 / -0.13	127.00	135.00	5.00	7.00	135.60	+0.10 / -0.00	130.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W127136050WC	127.00 +0.00 / -0.13	127.00	136.50	5.00	7.00	137.10	+0.10 / -0.00	130.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W128140070WC	128.00 +0.00 / -0.13	128.00	140.00	7.00	12.00	140.20	+0.16 / -0.00	134.00	+0.25 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	13.30
W130142070WC	130.00 +0.00 / -0.13	130.00	142.00	7.00	12.00	142.20	+0.10 / -0.00	130.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	21.55	13.30
W130145100WC	130.00 +0.00 / -0.13	130.00	145.00	10.00	16.00	145.60	+0.10 / -0.00	137.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W135147070WC	135.00 +0.00 / -0.13	135.00	147.00	7.00	12.00	147.20	+0.10 / -0.00	141.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	14.40
W135149070WC	135.00 +0.00 / -0.13	135.00	149.00	7.00	12.00	149.20	+0.10 / -0.00	141.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W140148050WC	140.00 +0.00 / -0.13	140.00	148.00	5.00	7.00	148.60	+0.10 / -0.00	143.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W140148058WC	140.00 +0.00 / -0.13	140.00	148.00	5.80	7.00	148.60	+0.16 / -0.00	143.00	+0.25 / -0.00	6.00	+0.10 / -0.00	1.20	+0.20 / -0.20	O/R	14.70
W140149050WC	140.00 +0.00 / -0.13	140.00	149.00	5.00	7.00	149.60	+0.10 / -0.00	143.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W140150050WC	140.00 +0.00 / -0.13	140.00	150.00	5.00	7.00	150.60	+0.10 / -0.00	143.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	28.60	O/R
W140152070WC	140.00 +0.00 / -0.13	140.00	152.00	7.00	12.00	152.20	+0.10 / -0.00	146.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	28.95	30.80
W140152087WC	140.00 +0.00 / -0.13	140.00	152.00	8.70	15.00	152.00	+0.16 / -0.00	147.00	+0.25 / -0.00	9.00	+0.10 / -0.00	6.30	+0.20 / -0.20	O/R	O/R
W140155087WC	140.00 +0.00 / -0.13	140.00	155.00	8.70	15.00	155.00	+0.16 / -0.00	147.50	+0.25 / -0.00	9.00	+0.10 / -0.00	6.30	+0.20 / -0.20	O/R	14.70
W140155100WC	140.00 +0.00 / -0.13	140.00	155.00	10.00	16.00	155.60	+0.10 / -0.00	147.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	30.85	22.85
W141151052WC	141.00 +0.00 / -0.13	141.00	151.00	5.20	7.00	151.60	+0.16 / -0.00	147.50	+0.25 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	23.10
W143151050WC	143.00 +0.00 / -0.13	143.00	151.00	5.00	7.00	151.60	+0.10 / -0.00	146.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W143151052WC	143.00 +0.00 / -0.13	143.00	151.00	5.20	4.00	151.00	+0.16 / -0.00	146.00	+0.25 / -0.00	5.50	+0.10 / -0.00	-1.20	+0.20 / -0.20	O/R	23.70
W143153050WC	143.00 +0.00 / -0.13	143.00	153.00	5.00	7.00	153.60	+0.10 / -0.00	146.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	31.70	O/R
W145153050WC	145.00 +0.00 / -0.13	145.00	153.00	5.00	7.00	153.60	+0.10 / -0.00	148.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W145157070WC	145.00 +0.00 / -0.13	145.00	157.00	7.00	12.00	157.20	+0.10 / -0.00	151.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	47.25	15.40
W145160090WC	145.00 +0.00 / -0.13	145.00	160.00	9.00	16.00	160.60	+0.10 / -0.00	152.60	+0.10 / -0.00	9.10	+0.10 / -0.00	7.00	+0.20 / -0.20	O/R	O/R
W145160100WC	145.00 +0.00 / -0.13	145.00	160.00	10.00	16.00	160.60	+0.10 / -0.00	152.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W146158070WC	146.00 +0.00 / -0.13	146.00	158.00	7.00	12.00	158.20	+0.10 / -0.00	152.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W150162060WC	150.00 +0.00 / -0.13	150.00	162.00	6.00	12.00	162.20	+0.10 / -0.00	156.00	+0.10 / -0.00	6.30	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W150162070WC	150.00 +0.00 / -0.13	150.00	162.00	7.00	12.00	162.20	+0.10 / -0.00	156.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	33.45	34.80
W150162075WC	150.00 +0.00 / -0.13	150.00	162.00	7.50	12.00	162.20	+0.10 / -0.00	156.00	+0.10 / -0.00	7.60	+0.10 / -0.00	4.50	+0.20 / -0.20	O/R	O/R
W150165072WC	150.00 +0.00 / -0.13	150.00	165.00	7.20	12.00	165.00	+0.16 / -0.00	156.00	+0.25 / -0.00	7.50	+0.10 / -0.00	4.80	+0.20 / -0.20	O/R	18.05
W150165100WC	150.00 +0.00 / -0.13	150.00	165.00	10.00	16.00	165.60	+0.13 / -0.00	157.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	34.80	O/R
W150166100WC	150.00 +0.00 / -0.13	150.00	166.00	10.00	16.00	166.60	+0.13 / -0.00	157.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W152160050WC	152.00 +0.00 / -0.13	152.00	160.00	5.00	7.00	160.60	+0.13 / -0.00	155.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W155167070WC	155.00 +0.00 / -0.13	155.00	167.00	7.00	12.00	167.20	+0.13 / -0.00	161.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W155169070WC	155.00 +0.00 / -0.13	155.00	169.00	7.00	12.00	169.20	+0.13 / -0.00	161.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W155170100WC	155.00 +0.00 / -0.13	155.00	170.00	10.00	16.00	170.60	+0.13 / -0.00	162.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W155175100WC	155.00 +0.00 / -0.13	155.00	175.00	10.00	18.00	175.00	+0.13 / -0.00	165.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	O/R
W160168050WC	160.00 +0.00 / -0.13	160.00	168.00	5.00	7.00	168.60	+0.13 / -0.00	163.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W160172070WC	160.00 +0.00 / -0.13	160.00	172.00	7.00	12.00	172.20	+0.16 / -0.00	166.00	+0.25 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	24.05
W160172075WC	160.00 +0.00 / -0.13	160.00	172.00	7.50	12.00	172.20	+0.13 / -0.00	166.00	+0.10 / -0.00	7.60	+0.10 / -0.00	4.50	+0.20 / -0.20	O/R	O/R
W160175087WC	160.00 +0.00 / -0.13	160.00	175.00	8.70	15.00	175.00	+0.16 / -0.00	167.00	+0.25 / -0.00	9.00	+0.10 / -0.00	6.30	+0.20 / -0.20	O/R	O/R

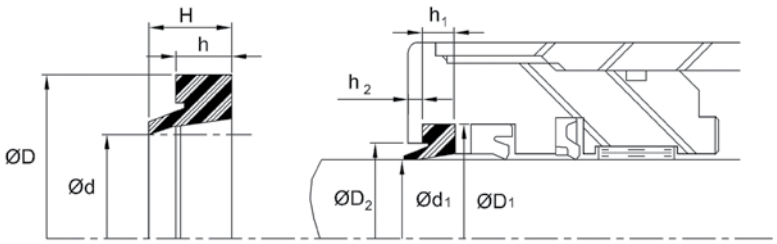
WC SERIES - NBR 90A & AU 90A

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$ NBR	$ AU
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.		/U
W160175100WC	160.00	+0.00 / -0.13	160.00	175.00	10.00	16.00	175.60	+0.13 / -0.00	167.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	37.20	37.20
W162172052WC	162.00	+0.00 / -0.13	162.00	172.00	5.20	7.00	172.60	+0.16 / -0.00	168.00	+0.25 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	39.80
W165173050WC	165.00	+0.00 / -0.13	165.00	173.00	5.00	7.00	173.60	+0.13 / -0.00	168.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	39.45	O/R
W165177070WC	165.00	+0.00 / -0.13	165.00	177.00	7.00	16.00	177.20	+0.16 / -0.00	170.00	+0.25 / -0.00	7.10	+0.10 / -0.00	9.00	+0.20 / -0.20	O/R	O/R
W170178050WC	170.00	+0.00 / -0.13	170.00	178.00	5.00	7.00	178.60	+0.16 / -0.00	173.00	+0.25 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	42.50
W170180050WC	170.00	+0.00 / -0.13	170.00	180.00	5.00	7.00	180.60	+0.13 / -0.00	173.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W170182070WC	170.00	+0.00 / -0.13	170.00	182.00	7.00	12.00	182.20	+0.13 / -0.00	176.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	42.15	O/R
W170185100WC	170.00	+0.00 / -0.13	170.00	185.00	10.00	16.00	182.60	+0.13 / -0.00	177.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	44.75
W171181050WC	171.00	+0.00 / -0.13	171.00	181.00	5.00	7.00	181.60	+0.13 / -0.00	174.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W171183070WC	171.00	+0.00 / -0.13	171.00	183.00	7.00	12.00	183.20	+0.13 / -0.00	177.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W175183050WC	175.00	+0.00 / -0.13	175.00	183.00	5.00	7.00	183.60	+0.13 / -0.00	178.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W175189070WC	175.00	+0.00 / -0.13	175.00	189.00	7.00	12.00	189.20	+0.13 / -0.00	181.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W180195100WC	180.00	+0.00 / -0.13	180.00	195.00	10.00	16.00	195.60	+0.13 / -0.00	187.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	44.75
W180200070WC	180.00	+0.00 / -0.13	180.00	200.00	7.00	12.00	200.20	+0.19 / -0.00	188.00	+0.29 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	45.05
W180200100WC	180.00	+0.00 / -0.13	180.00	200.00	10.00	18.00	200.00	+0.13 / -0.00	190.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	44.75	46.55
W183193052WC	183.00	+0.00 / -0.13	183.00	193.00	5.20	7.00	193.60	+0.19 / -0.00	189.00	+0.29 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	46.75
W185193050WC	185.00	+0.00 / -0.13	185.00	193.00	5.00	7.00	193.60	+0.13 / -0.00	188.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W185197070WC	185.00	+0.00 / -0.13	185.00	197.00	7.00	12.00	197.20	+0.13 / -0.00	191.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W185200100WC	185.00	+0.00 / -0.13	185.00	200.00	10.00	16.00	200.60	+0.13 / -0.00	192.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W190198050WC	190.00	+0.00 / -0.13	190.00	198.00	5.00	7.00	198.60	+0.13 / -0.00	193.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W190205010WC	190.00	+0.00 / -0.13	190.00	205.00	10.00	18.00	205.20	+0.19 / -0.00	198.00	+0.29 / -0.00	10.10	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	47.00
W190205100WC	190.00	+0.00 / -0.13	190.00	205.00	10.00	16.00	205.60	+0.13 / -0.00	197.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W190210100WC	190.00	+0.00 / -0.13	190.00	210.00	10.00	18.00	210.00	+0.13 / -0.00	200.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	53.60	O/R
W195210100WC	195.00	+0.00 / -0.13	195.00	210.00	10.00	16.00	210.60	+0.13 / -0.00	202.60	+0.10 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	O/R
W196210070WC	196.00	+0.00 / -0.13	196.00	210.00	7.00	12.00	210.20	+0.13 / -0.00	202.00	+0.10 / -0.00	7.10	+0.10 / -0.00	5.00	+0.20 / -0.20	O/R	O/R
W200215100WC	200.00	+0.00 / -0.13	200.00	215.00	10.00	18.00	215.00	+0.13 / -0.00	210.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	57.65
W200220100WC	200.00	+0.00 / -0.13	200.00	220.00	10.00	18.00	220.00	+0.13 / -0.00	210.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	57.65	O/R
W205213050WC	205.00	+0.00 / -0.13	205.00	213.00	5.00	7.00	213.60	+0.19 / -0.00	208.00	+0.29 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W210220050WC	210.00	+0.00 / -0.13	210.00	220.00	5.00	7.00	220.60	+0.13 / -0.00	213.00	+0.10 / -0.00	5.30	+0.10 / -0.00	2.00	+0.20 / -0.20	O/R	O/R
W210225100WC	210.00	+0.00 / -0.13	210.00	225.00	10.00	16.00	225.20	+0.19 / -0.00	218.00	+0.29 / -0.00	10.10	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	57.65
W220235100WC	220.00	+0.00 / -0.13	220.00	235.00	10.00	18.00	235.00	+0.13 / -0.00	230.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	60.50
W220240100WC	220.00	+0.00 / -0.13	220.00	240.00	10.00	18.00	240.00	+0.13 / -0.00	230.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	59.40	O/R
W230245100WC	230.00	+0.00 / -0.13	230.00	245.00	10.00	16.00	245.20	+0.19 / -0.00	238.00	+0.29 / -0.00	10.10	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	66.05
W230250100WC	230.00	+0.00 / -0.13	230.00	250.00	10.00	18.00	250.00	+0.13 / -0.00	240.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	62.95	O/R
W240255100WC	240.00	+0.00 / -0.13	240.00	255.00	10.00	16.00	255.20	+0.21 / -0.00	248.00	+0.29 / -0.00	10.10	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	68.70
W240260100WC	250.00	+0.00 / -0.13	250.00	260.00	10.00	18.00	260.00	+0.13 / -0.00	250.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	64.65	O/R
W250265100WC	250.00	+0.00 / -0.13	250.00	265.00	10.00	16.00	265.20	+0.21 / -0.00	258.00	+0.32 / -0.00	10.20	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R	72.10
W250270100WC	260.00	+0.00 / -0.13	260.00	270.00	10.00	18.00	270.00	+0.13 / -0.00	260.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	65.00	O/R
W257267052WC	257.00	+0.00 / -0.13	257.00	267.00	5.20	7.00	267.60	+0.21 / -0.00	264.00	+0.32 / -0.00	5.50	+0.10 / -0.00	1.80	+0.20 / -0.20	O/R	O/R
W260275100WC	260.00	+0.00 / -0.13	260.00	275.00	10.00	18.00	275.00	+0.13 / -0.00	270.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	O/R
W260280100WC	260.00	+0.00 / -0.13	260.00	280.00	10.00	18.00	280.00	+0.13 / -0.00	270.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	128.20	O/R
W280300100WC	280.00	+0.00 / -0.13	280.00	300.00	10.00	18.00	300.00	+0.13 / -0.00	290.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	79.30
W295315100WC	295.00	+0.00 / -0.13	295.00	315.00	10.00	18.00	315.00	+0.13 / -0.00	305.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	O/R
W300320100WC	300.00	+0.00 / -0.13	300.00	320.00	10.00	18.00	320.00	+0.23 / -0.00	310.00	+0.32 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	O/R
W360380100WC	360.00	+0.00 / -0.13	360.00	380.00	10.00	18.00	380.00	+0.13 / -0.00	370.00	+0.10 / -0.00	10.20	+0.10 / -0.00	8.00	+0.20 / -0.20	O/R	O/R

WF - Rod Wipers

Polyurethane AU 94A





Temperature: -31/212F [-35/100C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W006014045WF	6.30	+0.00 / -0.04	6.30	14.30	4.50	6.00	14.30	+0.07 / -0.00	10.30	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.00
W008016045WF	8.00	+0.00 / -0.04	8.00	16.00	4.50	6.00	16.00	+0.07 / -0.00	12.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.00
W009017045WF	9.00	+0.00 / -0.04	9.00	17.00	4.50	6.00	17.00	+0.07 / -0.00	13.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.00
W010018045WF	10.00	+0.00 / -0.04	10.00	18.00	4.50	6.00	18.00	+0.07 / -0.00	14.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.25
W011019045WF	11.20	+0.00 / -0.04	11.20	19.20	4.50	6.00	19.20	+0.08 / -0.00	15.20	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.25
W014022045WF	14.00	+0.00 / -0.04	14.00	22.00	4.50	6.00	22.00	+0.08 / -0.00	18.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.55
W015023045WF	15.00	+0.00 / -0.04	15.00	23.00	4.50	6.00	23.00	+0.08 / -0.00	19.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.55
W016024045WF	16.00	+0.00 / -0.04	16.00	24.00	4.50	6.00	24.00	+0.08 / -0.00	20.30	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.80
W018026045WF	18.00	+0.00 / -0.04	18.00	26.00	4.50	6.00	26.00	+0.08 / -0.00	22.30	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.80
W020028045WF	20.00	+0.00 / -0.04	20.00	28.00	4.50	6.00	28.00	+0.08 / -0.00	24.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.80
W022030045WF	22.40	+0.00 / -0.04	22.40	30.40	4.50	6.00	30.40	+0.10 / -0.00	26.40	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.90
W023031045WF	23.50	+0.00 / -0.04	23.50	31.50	4.50	6.00	31.50	+0.10 / -0.00	27.50	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.90
W025033045WF	25.00	+0.00 / -0.04	25.00	33.00	4.50	6.00	33.00	+0.10 / -0.00	29.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	9.90
W028036045WF	28.00	+0.00 / -0.04	28.00	36.00	4.50	6.00	36.00	+0.10 / -0.00	32.00	+0.10 / -0.10	5.00	+0.30 / -0.00	2.00	+0.20 / -0.20	10.20
W030038050WF	30.00	+0.00 / -0.04	30.00	38.00	5.00	6.50	38.00	+0.10 / -0.00	34.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	10.45
W031039050WF	31.50	+0.00 / -0.04	31.50	39.50	5.00	6.50	39.50	+0.10 / -0.00	35.50	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	10.45
W035043050WF	35.00	+0.00 / -0.04	35.00	43.00	5.00	6.50	43.00	+0.10 / -0.00	39.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	10.90
W035043050WF-1	35.50	+0.00 / -0.04	35.50	43.50	5.00	6.50	43.50	+0.10 / -0.00	39.50	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	10.90
W040048050WF	40.00	+0.00 / -0.05	40.00	48.00	5.00	6.50	48.00	+0.10 / -0.00	44.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	11.25
W045053050WF	45.00	+0.00 / -0.05	45.00	53.00	5.00	6.50	53.00	+0.12 / -0.00	49.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	11.70
W045053050WF-1	45.50	+0.00 / -0.05	45.50	53.50	5.00	6.50	53.50	+0.12 / -0.00	49.50	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	12.70
W050058050WF	50.00	+0.00 / -0.05	50.00	58.00	5.00	6.50	58.00	+0.12 / -0.00	54.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	12.70
W053061050WF	53.00	+0.00 / -0.05	53.00	61.00	5.00	6.50	61.00	+0.12 / -0.00	57.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	12.70
W055063050WF	55.00	+0.00 / -0.05	55.00	63.00	5.00	6.50	63.00	+0.12 / -0.00	59.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	12.70
W056064050WF	56.00	+0.00 / -0.05	56.00	64.00	5.00	6.50	64.00	+0.12 / -0.00	60.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	12.70
W060068050WF	60.00	+0.00 / -0.05	60.00	68.00	5.00	6.50	68.00	+0.12 / -0.00	64.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	13.10
W063071050WF	63.00	+0.00 / -0.05	63.00	71.00	5.00	6.50	71.00	+0.12 / -0.00	67.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	13.50
W065073050WF	65.00	+0.00 / -0.06	65.00	73.00	5.00	6.50	73.00	+0.12 / -0.00	69.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	13.50
W067075050WF	67.00	+0.00 / -0.06	67.00	75.00	5.00	6.50	75.00	+0.12 / -0.00	71.00	+0.10 / -0.10	6.00	+0.30 / -0.00	2.00	+0.20 / -0.20	14.00
W070080060WF	70.00	+0.00 / -0.06	70.00	80.00	6.00	8.00	80.00	+0.14 / -0.00	75.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	15.45
W071081060WF	71.00	+0.00 / -0.06	71.00	81.00	6.00	8.00	81.00	+0.14 / -0.00	76.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	15.45
W075085060WF	75.00	+0.00 / -0.06	75.00	85.00	6.00	8.00	85.00	+0.14 / -0.00	80.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	15.60
W080090060WF	80.00	+0.00 / -0.09	80.00	90.00	6.00	8.00	90.00	+0.14 / -0.00	85.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	16.40
W085095060WF	85.00	+0.00 / -0.09	85.00	95.00	6.00	8.00	95.00	+0.14 / -0.00	90.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	16.75
W090100060WF	90.00	+0.00 / -0.09	90.00	100.00	6.00	8.00	100.00	+0.14 / -0.00	95.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	17.45
W095105060WF	95.00	+0.00 / -0.09	95.00	105.00	6.00	8.00	105.00	+0.14 / -0.00	100.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	18.00
W100110060WF	100.00	+0.00 / -0.09	100.00	110.00	6.00	8.00	110.00	+0.14 / -0.00	105.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	19.40
W105115060WF	105.00	+0.00 / -0.13	105.00	115.00	6.00	8.00	115.00	+0.14 / -0.00	110.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	20.65

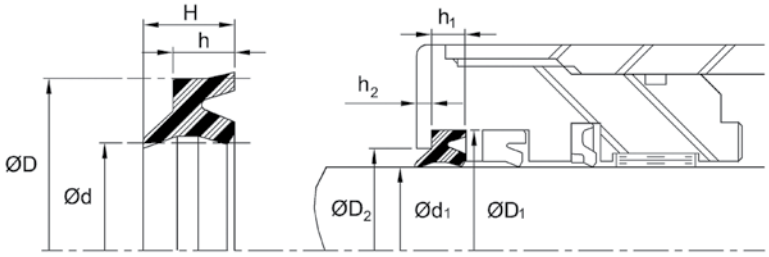
WF SERIES - AU 94A

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W106116060WF	106.00	+0.00 / -0.13	106.00	116.00	6.00	8.00	116.00	+0.14 / -0.00	111.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	21.70
W110120060WF	110.00	+0.00 / -0.13	110.00	120.00	6.00	8.00	120.00	+0.16 / -0.00	115.00	+0.10 / -0.10	7.00	+0.30 / -0.00	3.00	+0.20 / -0.20	22.20
W112122060WF	112.00	+0.00 / -0.13	112.00	122.00	6.00	8.00	122.00	+0.16 / -0.00	117.00	+0.10 / -0.10	7.00	+0.30 / -0.00	4.00	+0.20 / -0.20	23.15
W118128060WF	118.00	+0.00 / -0.13	118.00	128.00	6.00	8.00	128.00	+0.16 / -0.00	123.00	+0.10 / -0.10	7.00	+0.30 / -0.00	4.00	+0.20 / -0.20	23.55
W120130060WF	120.00	+0.00 / -0.13	120.00	130.00	6.00	8.00	130.00	+0.16 / -0.00	125.00	+0.10 / -0.10	7.00	+0.30 / -0.00	4.00	+0.20 / -0.20	23.95
W125138070WF	125.00	+0.00 / -0.13	125.00	138.00	7.00	9.50	138.00	+0.16 / -0.00	132.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	29.50
W130143070WF	130.00	+0.00 / -0.13	130.00	143.00	7.00	9.50	143.00	+0.16 / -0.00	137.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	30.20
W132145070WF	132.00	+0.00 / -0.13	132.00	145.00	7.00	9.50	145.00	+0.16 / -0.00	139.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	30.20
W140153070WF	140.00	+0.00 / -0.13	140.00	153.00	7.00	9.50	153.00	+0.16 / -0.00	147.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	33.35
W145158070WF	145.00	+0.00 / -0.13	145.00	158.00	7.00	9.50	158.00	+0.16 / -0.00	152.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	37.20
W150163070WF	150.00	+0.00 / -0.13	150.00	163.00	7.00	9.50	163.00	+0.16 / -0.00	157.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	40.05
W160173070WF	160.00	+0.00 / -0.13	160.00	173.00	7.00	9.50	173.00	+0.16 / -0.00	167.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	48.50
W170183070WF	170.00	+0.00 / -0.13	170.00	183.00	7.00	9.50	183.00	+0.18 / -0.00	177.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	50.65
W175188070WF	175.00	+0.00 / -0.13	175.00	188.00	7.00	9.50	188.00	+0.18 / -0.00	182.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	56.00
W180193070WF	180.00	+0.00 / -0.13	180.00	193.00	7.00	9.50	193.00	+0.18 / -0.00	187.00	+0.10 / -0.10	8.00	+0.30 / -0.00	4.00	+0.20 / -0.20	56.50
W190203070WF	190.00	+0.00 / -0.13	190.00	203.00	7.00	9.50	203.00	+0.18 / -0.00	197.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	58.70
W199212070WF	199.00	+0.00 / -0.13	199.00	212.00	7.00	9.50	212.00	+0.18 / -0.00	206.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	66.65
W200213070WF	200.00	+0.00 / -0.13	200.00	213.00	7.00	9.50	213.00	+0.18 / -0.00	207.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	69.20
W204217070WF	204.00	+0.00 / -0.13	204.00	217.00	7.00	9.50	217.00	+0.18 / -0.00	211.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	71.80
W210223070WF	210.00	+0.00 / -0.13	210.00	223.00	7.00	9.50	223.00	+0.18 / -0.00	217.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	74.90
W220233070WF	220.00	+0.00 / -0.13	220.00	233.00	7.00	9.50	233.00	+0.18 / -0.00	227.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	80.80
W224237070WF	224.00	+0.00 / -0.13	224.00	237.00	7.00	9.50	237.00	+0.18 / -0.00	231.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	85.70
W225238070WF	225.00	+0.00 / -0.13	225.00	238.00	7.00	9.50	238.00	+0.18 / -0.00	232.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	88.30
W230243070WF	230.00	+0.00 / -0.13	230.00	243.00	7.00	9.50	243.00	+0.18 / -0.00	237.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	91.10
W240253070WF	240.00	+0.00 / -0.13	240.00	253.00	7.00	9.50	253.00	+0.21 / -0.00	247.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	99.30
W250263070WF	250.00	+0.00 / -0.13	250.00	263.00	7.00	9.50	263.00	+0.21 / -0.00	257.00	+0.10 / -0.10	8.00	+0.30 / -0.00	5.00	+0.20 / -0.20	114.25
W260275090WF	260.00	+0.00 / -0.13	260.00	275.00	9.00	12.00	275.00	+0.21 / -0.00	268.00	+0.10 / -0.10	10.00	+0.30 / -0.00	5.00	+0.20 / -0.20	135.25
W270285090WF	270.00	+0.00 / -0.13	270.00	285.00	9.00	12.00	285.00	+0.21 / -0.00	278.00	+0.10 / -0.10	10.00	+0.30 / -0.00	5.00	+0.20 / -0.20	145.80
W280295090WF	280.00	+0.00 / -0.13	280.00	295.00	9.00	12.00	295.00	+0.21 / -0.00	288.00	+0.10 / -0.10	10.00	+0.30 / -0.00	5.00	+0.20 / -0.20	158.80
W290305090WF	290.00	+0.00 / -0.13	290.00	305.00	9.00	12.00	305.00	+0.21 / -0.00	298.00	+0.10 / -0.10	10.00	+0.30 / -0.00	5.00	+0.20 / -0.20	167.00
W300315090WF	300.00	+0.00 / -0.13	300.00	315.00	9.00	12.00	315.00	+0.21 / -0.00	308.00	+0.10 / -0.10	10.00	+0.30 / -0.00	5.00	+0.20 / -0.20	179.90

WG - Rod Wipers

Polyurethane AU 92A





Temperature: -31/185F [-35/85C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W018026045WG	18.00	+0.00 / -0.04	18.00	26.00	4.50	6.00	26.00	+0.00 / -0.20	22.30	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	8.55
W020028045WG	20.00	+0.00 / -0.04	20.00	28.00	4.50	6.00	28.00	+0.00 / -0.20	24.30	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	8.70
W022030045WG	22.00	+0.00 / -0.04	22.00	30.00	4.50	6.00	30.00	+0.00 / -0.20	26.30	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	8.70
W022030045WG-1	22.40	+0.00 / -0.04	22.40	30.40	4.50	6.00	30.40	+0.00 / -0.20	26.70	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	8.70
W025033045WG	25.00	+0.00 / -0.04	25.00	33.00	4.50	6.00	33.00	+0.00 / -0.20	29.30	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.00
W026034045WG	26.00	+0.00 / -0.04	26.00	34.00	4.50	6.00	34.00	+0.00 / -0.20	30.30	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.00
W028036045WG	28.00	+0.00 / -0.04	28.00	36.00	4.50	6.00	36.00	+0.00 / -0.20	32.30	+0.10 / -0.10	5.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.00
W030038050WG	30.00	+0.00 / -0.04	30.00	38.00	5.00	6.50	38.00	+0.00 / -0.20	34.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.25
W031039050WG	31.50	+0.00 / -0.04	31.50	39.50	5.00	6.50	39.50	+0.00 / -0.20	35.50	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.55
W032040050WG	32.00	+0.00 / -0.04	32.00	40.00	5.00	6.50	40.00	+0.00 / -0.20	36.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.55
W034042050WG	34.50	+0.00 / -0.04	34.50	42.50	5.00	6.50	42.00	+0.00 / -0.20	38.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	O/R
W035043050WG	35.00	+0.00 / -0.04	35.00	43.00	5.00	6.50	43.00	+0.00 / -0.20	39.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.55
W035043050WG-1	35.50	+0.00 / -0.04	35.50	43.50	5.00	6.50	43.50	+0.00 / -0.20	39.50	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	9.80
W038046050WG	38.00	+0.00 / -0.04	38.00	46.00	5.00	6.50	46.00	+0.00 / -0.20	42.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	O/R
W040048050WG	40.00	+0.00 / -0.05	40.00	48.00	5.00	6.50	48.00	+0.00 / -0.20	44.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	10.45
W045053050WG	45.00	+0.00 / -0.05	45.00	53.00	5.00	6.50	53.00	+0.00 / -0.20	49.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	10.70
W048056050WG	48.00	+0.00 / -0.05	48.00	56.00	5.00	6.50	56.00	+0.00 / -0.20	52.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	O/R
W050058050WG	50.00	+0.00 / -0.05	50.00	58.00	5.00	6.50	58.00	+0.00 / -0.20	54.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	11.70
W055063050WG	55.00	+0.00 / -0.05	55.00	63.00	5.00	6.50	63.00	+0.00 / -0.20	59.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	11.85
W056064050WG	56.00	+0.00 / -0.05	56.00	64.00	5.00	6.50	64.00	+0.00 / -0.20	60.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	12.15
W058066050WG	58.00	+0.00 / -0.05	58.00	66.00	5.00	6.50	66.00	+0.00 / -0.20	62.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	O/R
W060068050WG	60.00	+0.00 / -0.05	60.00	68.00	5.00	6.50	68.00	+0.00 / -0.20	64.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	12.70
W063071050WG	63.00	+0.00 / -0.05	63.00	71.00	5.00	6.50	71.00	+0.00 / -0.20	67.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	12.70
W065073050WG	65.00	+0.00 / -0.06	65.00	73.00	5.00	6.50	73.00	+0.00 / -0.20	69.00	+0.10 / -0.10	6.00	+0.20 / -0.20	2.00	+0.20 / -0.20	13.10
W070080060WG	70.00	+0.00 / -0.06	70.00	80.00	6.00	8.00	80.00	+0.00 / -0.20	75.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	14.65
W071081060WG	71.00	+0.00 / -0.06	71.00	81.00	6.00	8.00	81.00	+0.00 / -0.20	76.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	14.95
W075085050WG	75.00	+0.00 / -0.06	75.00	85.00	6.00	8.00	85.00	+0.00 / -0.20	80.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	15.15
W080090060WG	80.00	+0.00 / -0.09	80.00	90.00	6.00	8.00	90.00	+0.00 / -0.20	85.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	15.60
W085095060WG	85.00	+0.00 / -0.09	85.00	95.00	6.00	8.00	95.00	+0.00 / -0.20	90.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	15.85
W090100060WG	90.00	+0.00 / -0.09	90.00	100.00	6.00	8.00	100.00	+0.00 / -0.20	95.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	16.40
W095105060WG	95.00	+0.00 / -0.09	95.00	105.00	6.00	8.00	105.00	+0.00 / -0.20	100.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	16.95
W100110060WG	100.00	+0.00 / -0.09	100.00	110.00	6.00	8.00	110.00	+0.00 / -0.20	105.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	18.90
W105115060WG	105.00	+0.00 / -0.13	105.00	115.00	6.00	8.00	115.00	+0.00 / -0.20	110.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	19.40
W112122060WG	112.00	+0.00 / -0.13	112.00	122.00	6.00	8.00	122.00	+0.00 / -0.20	117.00	+0.10 / -0.10	7.00	+0.20 / -0.20	3.00	+0.20 / -0.20	20.75
W125138070WG	125.00	+0.00 / -0.13	125.00	138.00	7.00	9.50	138.00	+0.00 / -0.20	132.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	28.20
W140153070WG	140.00	+0.00 / -0.13	140.00	153.00	7.00	9.50	153.00	+0.00 / -0.20	147.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	34.65
W150163070WG	150.00	+0.00 / -0.13	150.00	163.00	7.00	9.50	163.00	+0.00 / -0.20	157.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	45.20
W180193070WG	180.00	+0.00 / -0.13	180.00	193.00	7.00	9.50	193.00	+0.00 / -0.20	187.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	65.20

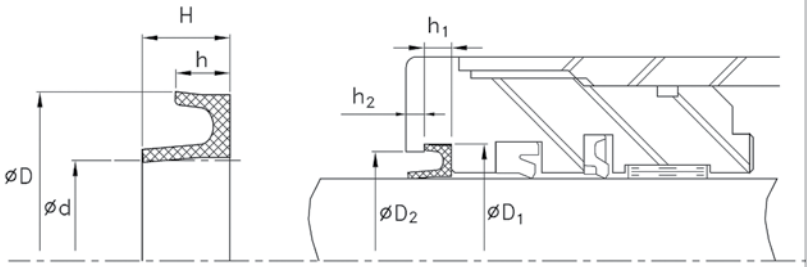
WG SERIES - AU 92A

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W185198070WG	185.00	+0.00 / -0.13	185.00	198.00	7.00	9.50	198.00	+0.00 / -0.20	192.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	68.20
W200213070WG	200.00	+0.00 / -0.13	200.00	213.00	7.00	9.50	213.00	+0.00 / -0.20	207.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	76.95
W210223070WG	210.00	+0.00 / -0.13	210.00	223.00	7.00	9.50	223.00	+0.00 / -0.20	217.00	+0.10 / -0.10	8.00	+0.20 / -0.20	3.00	+0.20 / -0.20	34.25
W250265090WG	250.00	+0.00 / -0.13	250.00	265.00	9.00	12.00	265.00	+0.00 / -0.20	258.00	+0.10 / -0.10	10.00	+0.20 / -0.20	3.00	+0.20 / -0.20	123.50

WH - Rod Wipers

Nylon





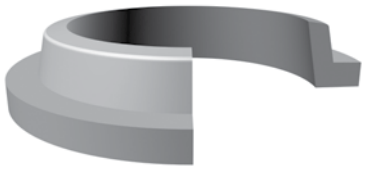
Temperature: -40/212F [-40/100C] **Pressure:**

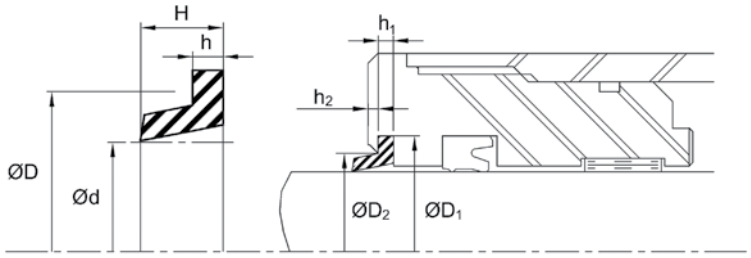
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W012022040WH	12.00	+0.00 / -0.04	12.00	22.00	4.00	6.50	22.00	+0.00 / -0.20	20.50	+0.10 / -0.00	4.50	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W015025040WH	15.00	+0.00 / -0.04	15.00	25.00	4.00	6.50	25.00	+0.00 / -0.20	23.50	+0.10 / -0.00	4.50	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W016026040WH	16.00	+0.00 / -0.04	16.00	26.00	4.00	6.50	26.00	+0.00 / -0.20	24.50	+0.10 / -0.00	4.50	+0.25 / -0.00	1.50	+0.20 / -0.20	6.40
W018028040WH	18.00	+0.00 / -0.04	18.00	28.00	4.00	8.50	28.00	+0.00 / -0.20	26.50	+0.10 / -0.00	4.50	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W020033053WH	20.00	+0.00 / -0.04	20.00	33.00	5.30	8.50	33.00	+0.00 / -0.20	31.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	6.80
W022035053WH	22.00	+0.00 / -0.04	22.00	35.00	5.30	8.50	35.00	+0.00 / -0.20	33.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W025038053WH	25.00	+0.00 / -0.04	25.00	38.00	5.30	8.50	38.00	+0.00 / -0.20	36.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	6.80
W028041053WH	28.00	+0.00 / -0.04	28.00	41.00	5.30	8.50	41.00	+0.00 / -0.20	39.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	7.25
W030043053WH	30.00	+0.00 / -0.04	30.00	43.00	5.30	8.50	43.00	+0.00 / -0.20	41.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	7.35
W032045053WH	32.00	+0.00 / -0.04	32.00	45.00	5.30	8.50	45.00	+0.00 / -0.20	43.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	7.35
W036049053WH	36.00	+0.00 / -0.04	36.00	49.00	5.30	8.50	49.00	+0.00 / -0.20	47.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	7.80
W040053053WH	40.00	+0.00 / -0.05	40.00	53.00	5.30	8.50	53.00	+0.00 / -0.20	51.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	7.90
W045058053WH	45.00	+0.00 / -0.05	45.00	58.00	5.30	8.50	58.00	+0.00 / -0.20	56.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	8.55
W050063053WH	50.00	+0.00 / -0.05	50.00	63.00	5.30	8.50	63.00	+0.00 / -0.20	61.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	9.05
W055068053WH	55.00	+0.00 / -0.05	55.00	68.00	5.30	8.50	68.00	+0.00 / -0.20	66.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	10.15
W056069053WH	56.00	+0.00 / -0.05	56.00	69.00	5.30	8.50	69.00	+0.00 / -0.20	67.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	10.15
W060073053WH	60.00	+0.00 / -0.05	60.00	73.00	5.30	8.50	73.00	+0.00 / -0.20	71.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	10.40
W063076053WH	63.00	+0.00 / -0.05	63.00	76.00	5.30	8.50	76.00	+0.00 / -0.20	74.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	11.15
W070083053WH	70.00	+0.00 / -0.06	70.00	83.00	5.30	8.50	83.00	+0.00 / -0.20	81.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	12.05
W075088053WH	75.00	+0.00 / -0.06	75.00	88.00	5.30	8.50	88.00	+0.00 / -0.20	86.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	13.30

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W080093053WH	80.00	+0.00 / -0.09	80.00	93.00	5.30	8.50	93.00	+0.00 / -0.20	91.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	13.90
W085098053WH	85.00	+0.00 / -0.09	85.00	98.00	5.30	8.50	98.00	+0.00 / -0.20	96.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W090103053WH	90.00	+0.00 / -0.09	90.00	103.00	5.30	8.50	103.00	+0.00 / -0.20	101.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	15.20
W095108053WH	95.00	+0.00 / -0.09	95.00	108.00	5.30	8.50	108.00	+0.00 / -0.20	106.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W100113053WH	100.00	+0.00 / -0.09	100.00	113.00	5.30	8.50	113.00	+0.00 / -0.20	111.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	17.75
W105118053WH	105.00	+0.00 / -0.13	105.00	118.00	5.30	8.50	118.00	+0.00 / -0.20	116.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W120133053WH	120.00	+0.00 / -0.13	120.00	133.00	5.30	8.50	133.00	+0.00 / -0.20	131.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R
W130146053WH	130.00	+0.00 / -0.13	130.00	146.00	5.30	8.50	146.00	+0.00 / -0.20	144.50	+0.10 / -0.00	6.00	+0.25 / -0.00	1.50	+0.20 / -0.20	O/R

WJ - Rod Wipers

Nitrile NBR 90A





Temperature: -22/212F [-30/100C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W008014012WJ	8.00	+0.00 / -0.04	8.00	14.35	1.20	3.50	14.00	+0.11 / -0.00	10.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W010016012WJ	10.00	+0.00 / -0.04	10.00	16.35	1.20	3.50	16.00	+0.11 / -0.00	12.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W011017012WJ	11.00	+0.00 / -0.04	11.00	17.35	1.20	3.50	17.00	+0.11 / -0.00	13.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W012018012WJ	12.00	+0.00 / -0.04	12.00	18.35	1.20	3.50	18.00	+0.11 / -0.00	14.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W013019012WJ	13.00	+0.00 / -0.04	13.00	19.35	1.20	3.50	19.00	+0.13 / -0.00	15.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W014020012WJ	14.00	+0.00 / -0.04	14.00	20.35	1.20	3.50	20.00	+0.13 / -0.00	16.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W015021012WJ	15.00	+0.00 / -0.04	15.00	21.35	1.20	3.50	21.00	+0.13 / -0.00	17.10	+0.11 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W016022012WJ	16.00	+0.00 / -0.04	16.00	22.35	1.20	3.50	22.00	+0.13 / -0.00	18.10	+0.13 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W017023012WJ	17.00	+0.00 / -0.04	17.00	23.35	1.20	3.50	23.00	+0.13 / -0.00	19.10	+0.13 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	O/R
W018024012WJ	18.00	+0.00 / -0.04	18.00	24.35	1.20	3.50	24.00	+0.13 / -0.00	20.10	+0.13 / -0.00	1.30	+0.05 / -0.00	2.50	+0.20 / -0.20	8.95
W020028015WJ	20.00	+0.00 / -0.04	20.00	28.00	1.50	4.50	27.50	+0.13 / -0.00	22.90	+0.13 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W023031015WJ	23.00	+0.00 / -0.04	23.00	31.00	1.50	4.50	30.50	+0.16 / -0.00	25.90	+0.13 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W024032015WJ	24.00	+0.00 / -0.04	24.00	32.00	1.50	4.50	31.50	+0.16 / -0.00	26.90	+0.13 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W025033015WJ	25.00	+0.00 / -0.04	25.00	33.00	1.50	4.50	32.50	+0.16 / -0.00	27.90	+0.13 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	8.95
W027035015WJ	27.00	+0.00 / -0.04	27.00	35.00	1.50	4.50	34.50	+0.16 / -0.00	29.90	+0.13 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W028036015WJ	28.00	+0.00 / -0.04	28.00	36.00	1.50	4.50	35.50	+0.16 / -0.00	30.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W030038015WJ	30.00	+0.00 / -0.04	30.00	38.00	1.50	4.50	37.50	+0.16 / -0.00	32.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	10.05
W032040015WJ	32.00	+0.00 / -0.04	32.00	40.00	1.50	4.50	39.50	+0.16 / -0.00	34.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W033041015WJ	33.00	+0.00 / -0.04	33.00	41.00	1.50	4.50	40.50	+0.16 / -0.00	35.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W035043015WJ	35.00	+0.00 / -0.04	35.00	43.00	1.50	4.50	42.50	+0.16 / -0.00	37.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	13.85

WJ SERIES - NBR 90A

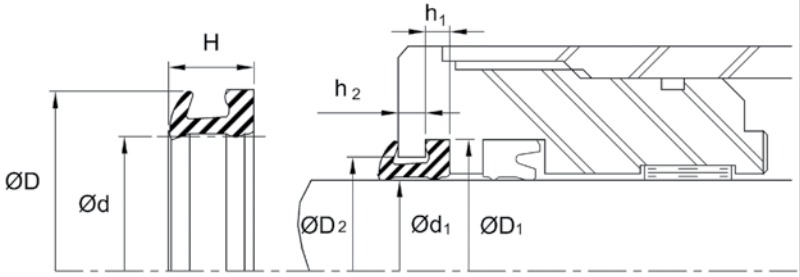
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W036044015WJ	36.00	+0.00 / -0.04	36.00	44.00	1.50	4.50	43.50	+0.16 / -0.00	38.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W037045015WJ	37.00	+0.00 / -0.04	37.00	45.00	1.50	4.50	44.50	+0.16 / -0.00	39.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W040048015WJ	40.00	+0.00 / -0.05	40.00	48.00	1.50	4.50	47.50	+0.16 / -0.00	42.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	10.35
W043051015WJ	43.00	+0.00 / -0.05	43.00	51.00	1.50	4.50	50.50	+0.19 / -0.00	45.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	O/R
W045053015WJ	45.00	+0.00 / -0.05	45.00	53.00	1.50	4.50	52.50	+0.19 / -0.00	47.90	+0.16 / -0.00	1.60	+0.08 / -0.00	3.00	+0.20 / -0.20	11.80
W046056020WJ	46.00	+0.00 / -0.05	46.00	56.80	2.05	6.00	56.00	+0.19 / -0.00	50.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W048058020WJ	48.00	+0.00 / -0.05	48.00	58.80	2.05	6.00	58.00	+0.19 / -0.00	52.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W050060020WJ	50.00	+0.00 / -0.05	50.00	60.80	2.05	6.00	60.00	+0.19 / -0.00	54.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	12.30
W055065020WJ	55.00	+0.00 / -0.05	55.00	65.80	2.05	6.00	65.00	+0.19 / -0.00	59.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	15.55
W056066020WJ	56.00	+0.00 / -0.05	56.00	66.80	2.05	6.00	66.00	+0.19 / -0.00	60.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W057067020WJ	57.00	+0.00 / -0.05	57.00	67.80	2.05	6.00	67.00	+0.19 / -0.00	61.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W060070020WJ	60.00	+0.00 / -0.05	60.00	70.80	2.05	6.00	70.00	+0.19 / -0.00	64.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	16.55
W063073020WJ	63.00	+0.00 / -0.05	63.00	73.80	2.05	6.00	73.00	+0.19 / -0.00	67.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	16.55
W065075020WJ	65.00	+0.00 / -0.06	65.00	75.80	2.05	6.00	75.00	+0.19 / -0.00	69.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	19.40
W070080020WJ	70.00	+0.00 / -0.06	70.00	80.80	2.05	6.00	80.00	+0.19 / -0.00	74.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	19.40
W072082020WJ	72.00	+0.00 / -0.06	72.00	82.80	2.05	6.00	82.00	+0.22 / -0.00	76.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W075085020WJ	75.00	+0.00 / -0.06	75.00	85.80	2.05	6.00	85.00	+0.22 / -0.00	79.60	+0.19 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	20.05
W078088020WJ	78.00	+0.00 / -0.09	78.00	88.80	2.05	6.00	88.00	+0.22 / -0.00	82.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	30.95
W080090020WJ	80.00	+0.00 / -0.09	80.00	90.80	2.05	6.00	90.00	+0.22 / -0.00	84.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	20.00
W085095020WJ	85.00	+0.00 / -0.09	85.00	95.80	2.05	6.00	95.00	+0.22 / -0.00	89.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W086096020WJ	86.00	+0.00 / -0.09	86.00	96.80	2.05	6.00	96.00	+0.22 / -0.00	90.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W090100020WJ	90.00	+0.00 / -0.09	90.00	100.80	2.05	6.00	100.00	+0.22 / -0.00	94.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	21.75
W095105020WJ	95.00	+0.00 / -0.09	95.00	105.80	2.05	6.00	105.00	+0.22 / -0.00	99.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W099109020WJ	99.00	+0.00 / -0.09	99.00	109.80	2.05	6.00	109.00	+0.22 / -0.00	103.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W100110020WJ	100.00	+0.00 / -0.09	100.00	110.80	2.05	6.00	110.00	+0.22 / -0.00	104.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	24.45
W105115020WJ	105.00	+0.00 / -0.13	105.00	115.80	2.05	6.00	115.00	+0.22 / -0.00	109.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W108118020WJ	108.00	+0.00 / -0.13	108.00	118.80	2.05	6.00	118.00	+0.22 / -0.00	112.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W110120020WJ	110.00	+0.00 / -0.13	110.00	120.80	2.05	6.00	120.00	+0.22 / -0.00	114.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W113123020WJ	113.00	+0.00 / -0.13	113.00	123.80	2.05	6.00	123.00	+0.25 / -0.00	117.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W115125020WJ	115.00	+0.00 / -0.13	115.00	125.80	2.05	6.00	125.00	+0.25 / -0.00	119.60	+0.22 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	39.65
W116126020WJ	116.00	+0.00 / -0.13	116.00	126.80	2.05	6.00	126.00	+0.25 / -0.00	120.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W120130020WJ	120.00	+0.00 / -0.13	120.00	130.80	2.05	6.00	130.00	+0.25 / -0.00	124.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	48.15
W125135020WJ	125.00	+0.00 / -0.13	125.00	135.80	2.05	6.00	135.00	+0.25 / -0.00	129.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W127137020WJ	127.00	+0.00 / -0.13	127.00	137.80	2.05	6.00	137.00	+0.25 / -0.00	131.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	50.65
W130140020WJ	130.00	+0.00 / -0.13	130.00	140.80	2.05	6.00	140.00	+0.25 / -0.00	134.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	50.65
W133143020WJ	133.00	+0.00 / -0.13	133.00	143.80	2.05	6.00	143.00	+0.25 / -0.00	137.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W135145020WJ	135.00	+0.00 / -0.13	135.00	145.80	2.05	6.00	145.00	+0.25 / -0.00	139.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W140150020WJ	140.00	+0.00 / -0.13	140.00	150.80	2.05	6.00	150.00	+0.25 / -0.00	144.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	58.55
W142152020WJ	142.00	+0.00 / -0.13	142.00	152.80	2.05	6.00	152.00	+0.25 / -0.00	146.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W145155020WJ	145.00	+0.00 / -0.13	145.00	155.80	2.05	6.00	155.00	+0.25 / -0.00	149.60	+0.25 / -0.00	2.15	+0.08 / -0.00	4.00	+0.20 / -0.20	O/R
W150166030WJ	150.00	+0.00 / -0.13	150.00	166.10	3.05	9.00	165.00	+0.25 / -0.00	157.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W152168030WJ	152.00	+0.00 / -0.13	152.00	168.10	3.05	9.00	167.00	+0.25 / -0.00	159.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W155171030WJ	155.00	+0.00 / -0.13	155.00	171.10	3.05	9.00	170.00	+0.25 / -0.00	162.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W160176030WJ	160.00	+0.00 / -0.13	160.00	176.10	3.05	9.00	175.00	+0.25 / -0.00	167.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W165181030WJ	165.00	+0.00 / -0.13	165.00	181.10	3.05	9.00	180.00	+0.25 / -0.00	172.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W170186030WJ	170.00	+0.00 / -0.13	170.00	186.10	3.05	9.00	185.00	+0.29 / -0.00	177.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	103.60
W172188030WJ	172.00	+0.00 / -0.13	172.00	188.10	3.05	9.00	187.00	+0.29 / -0.00	179.00	+0.25 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W175191030WJ	175.00	+0.00 / -0.13	175.00	191.10	3.05	9.00	190.00	+0.29 / -0.00	182.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W180196030WJ	180.00	+0.00 / -0.13	180.00	196.10	3.05	9.00	195.00	+0.29 / -0.00	187.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W185201030WJ	185.00	+0.00 / -0.13	185.00	201.10	3.05	9.00	200.00	+0.29 / -0.00	192.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W190206030WJ	190.00	+0.00 / -0.13	190.00	206.10	3.05	9.00	205.00	+0.29 / -0.00	197.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W195211030WJ	195.00	+0.00 / -0.13	195.00	211.10	3.05	9.00	210.00	+0.29 / -0.00	202.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W200216030WJ	200.00	+0.00 / -0.13	200.00	216.10	3.05	9.00	215.00	+0.29 / -0.00	207.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W210226030WJ	210.00	+0.00 / -0.13	210.00	226.10	3.05	9.00	225.00	+0.29 / -0.00	217.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W220236030WJ	220.00	+0.00 / -0.13	220.00	236.10	3.05	9.00	235.00	+0.29 / -0.00	227.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W230246030WJ	230.00	+0.00 / -0.13	230.00	246.10	3.05	9.00	245.00	+0.29 / -0.00	237.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W240256030WJ	240.00	+0.00 / -0.13	240.00	256.10	3.05	9.00	255.00	+0.32 / -0.00	247.00	+0.29 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W250266030WJ	250.00	+0.00 / -0.13	250.00	266.10	3.05	9.00	265.00	+0.32 / -0.00	257.00	+0.32 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W270286030WJ	270.00	+0.00 / -0.13	270.00	286.10	3.05	9.00	285.00	+0.32 / -0.00	277.00	+0.32 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W280296030WJ	280.00	+0.00 / -0.13	280.00	296.10	3.05	9.00	295.00	+0.32 / -0.00	287.00	+0.32 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W285301030WJ	285.00	+0.00 / -0.13	285.00	301.10	3.05	9.00	301.00	+0.32 / -0.00	292.00	+0.32 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W370386030WJ	370.00	+0.00 / -0.13	370.00	386.10	3.05	9.00	385.00	+0.36 / -0.00	377.00	+0.36 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W475491030WJ	475.00	+0.00 / -0.13	475.00	491.10	3.05	9.00	490.00	+0.40 / -0.00	482.00	+0.40 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R
W660676030WJ	660.00	+0.00 / -0.13	660.00	676.10	3.05	9.00	675.00	+0.40 / -0.00	667.00	+0.40 / -0.00	3.15	+0.10 / -0.00	6.00	+0.20 / -0.20	O/R

WM - Rod Wiper

Nitrile NBR 92A





Temperature: -4/212F [-20/100C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	D1	Tol.	D2	Tol.	h1	Tol.	h2	Tol.	
W020028070WM	20.00	+0.00 / -0.04	20.00	28.00		7.00	29.50	+0.01 / -0.01	24.50	+0.01 / -0.01	3.10	+0.15 / -0.00	1.60	+0.01 / -0.00	O/R
W025033070WM	25.00	+0.00 / -0.04	25.00	33.00		7.00	34.50	+0.01 / -0.01	29.50	+0.01 / -0.01	3.10	+0.15 / -0.00	1.60	+0.01 / -0.00	O/R
W035045100WM	35.00	+0.00 / -0.04	35.00	45.00		10.00	47.00	+0.01 / -0.01	41.00	+0.01 / -0.01	4.10	+0.15 / -0.00	2.50	+0.01 / -0.00	O/R
W036044070WM	36.00	+0.00 / -0.04	36.00	44.00		7.00	45.50	+0.01 / -0.01	40.50	+0.01 / -0.01	3.10	+0.15 / -0.00	1.60	+0.01 / -0.00	O/R
W040050100WM	40.00	+0.00 / -0.05	40.00	50.00		10.00	52.00	+0.01 / -0.01	46.00	+0.01 / -0.01	4.10	+0.15 / -0.00	2.50	+0.01 / -0.00	O/R
W045055100WM	45.00	+0.00 / -0.05	45.00	55.00		10.00	57.00	+0.01 / -0.01	51.00	+0.01 / -0.01	4.10	+0.15 / -0.00	2.50	+0.01 / -0.00	O/R
W050060100WM	50.00	+0.00 / -0.05	50.00	60.00		10.00	62.00	+0.01 / -0.01	56.00	+0.01 / -0.01	4.10	+0.15 / -0.00	2.50	+0.01 / -0.00	O/R
W055065100WM	55.00	+0.00 / -0.05	55.00	65.00		10.00	67.00	+0.01 / -0.01	61.00	+0.01 / -0.01	4.10	+0.15 / -0.00	2.50	+0.01 / -0.00	O/R
W060070100WM	60.00	+0.00 / -0.05	60.00	70.00		10.00	72.00	+0.01 / -0.01	66.00	+0.01 / -0.01	4.10	+0.15 / -0.00	2.50	+0.01 / -0.00	O/R
W070083120WM	70.00	+0.00 / -0.06	70.00	83.00		12.00	85.00	+0.01 / -0.01	78.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W075088120WM	75.00	+0.00 / -0.06	75.00	88.00		12.00	90.00	+0.01 / -0.01	83.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W080093120WM	80.00	+0.00 / -0.09	80.00	93.00		12.00	95.00	+0.01 / -0.01	88.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R

WM SERIES - NBR 92A

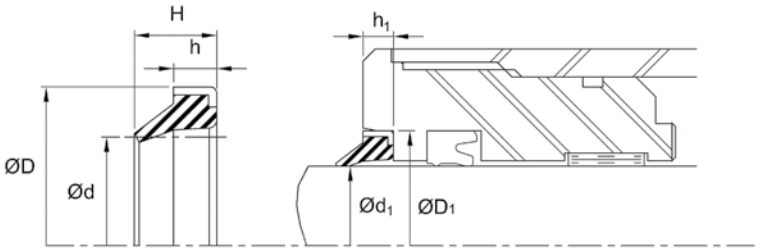
Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	n	Tol.	h2	Tol.	$
W085098120WM	85.00	+0.00 / -0.09	85.00	98.00		12.00	100.00	+0.01 / -0.01	93.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W090103120WM	90.00	+0.00 / -0.09	90.00	103.00		12.00	105.00	+0.01 / -0.01	98.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W100111102WM	100.00	+0.00 / -0.09	100.00	111.40		10.20	113.00	+0.01 / -0.01	110.00	+0.01 / -0.01	5.60	+0.15 / -0.00	2.00	+0.01 / -0.00	O/R
W100113120WM	100.00	+0.00 / -0.09	100.00	113.00		12.00	115.00	+0.01 / -0.01	108.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W105118120WM	105.00	+0.00 / -0.13	105.00	118.00		12.00	120.00	+0.01 / -0.01	113.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W110123120WM	110.00	+0.00 / -0.13	110.00	123.00		12.00	125.00	+0.01 / -0.01	118.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W115128120WM	115.00	+0.00 / -0.13	110.00	128.00		12.00	131.00	+0.01 / -0.01	124.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W120136140WM	120.00	+0.00 / -0.13	120.00	136.00		14.00	139.00	+0.01 / -0.01	129.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W122133102WM	122.00	+0.00 / -0.13	122.00	133.40		10.20	135.00	+0.01 / -0.01	129.00	+0.01 / -0.01	5.60	+0.15 / -0.00	2.00	+0.01 / -0.00	O/R
W125138120WM	125.00	+0.00 / -0.13	125.00	138.00		12.00	140.00	+0.01 / -0.01	133.00	+0.01 / -0.01	5.10	+0.15 / -0.00	3.00	+0.01 / -0.00	O/R
W130146140WM	130.00	+0.00 / -0.13	130.00	146.00		14.00	149.00	+0.01 / -0.01	139.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W140153140WM	140.00	+0.00 / -0.13	140.00	153.00		14.00	155.00	+0.01 / -0.01	145.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W140156140WM	140.00	+0.00 / -0.13	140.00	156.00		14.00	159.00	+0.01 / -0.01	149.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W145156102WM	145.00	+0.00 / -0.13	145.00	156.40		10.20	158.00	+0.01 / -0.01	152.00	+0.01 / -0.01	5.60	+0.15 / -0.00	2.00	+0.01 / -0.00	O/R
W150166140WM	150.00	+0.00 / -0.13	150.00	166.00		14.00	169.00	+0.01 / -0.01	159.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W154170140WM	154.00	+0.00 / -0.13	154.00	170.00		14.00	173.00	+0.01 / -0.01	163.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W160176140WM	160.00	+0.00 / -0.13	160.00	176.00		14.00	179.00	+0.01 / -0.01	169.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W165178140WM	165.00	+0.00 / -0.13	165.00	178.00		14.00	181.00	+0.01 / -0.01	181.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W168179102WM	168.00	+0.00 / -0.13	168.00	179.40		10.20	181.00	+0.01 / -0.01	175.00	+0.01 / -0.01	5.60	+0.15 / -0.00	2.00	+0.01 / -0.00	O/R
W170186140WM	170.00	+0.00 / -0.13	170.00	186.00		14.00	189.00	+0.01 / -0.01	179.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W190201102WM	190.00	+0.00 / -0.13	190.00	201.40		10.20	203.00	+0.01 / -0.01	197.00	+0.01 / -0.01	5.60	+0.15 / -0.00	2.00	+0.01 / -0.00	O/R
W190206140WM	190.00	+0.00 / -0.13	190.00	206.00		14.00	209.00	+0.01 / -0.01	199.00	+0.01 / -0.01	6.10	+0.15 / -0.00	4.00	+0.01 / -0.00	O/R
W200220200WM	200.00	+0.00 / -0.13	200.00	220.00		20.00	223.00	+0.01 / -0.01	211.00	+0.01 / -0.01	8.30	+0.15 / -0.00	4.80	+0.01 / -0.00	O/R
W210230200WM	210.00	+0.00 / -0.13	210.00	230.00		20.00	233.00	+0.01 / -0.01	221.00	+0.01 / -0.01	8.30	+0.15 / -0.00	4.80	+0.01 / -0.00	O/R
W220240200WM	220.00	+0.00 / -0.13	220.00	240.00		20.00	243.00	+0.01 / -0.01	231.00	+0.01 / -0.01	8.30	+0.15 / -0.00	4.80	+0.01 / -0.00	O/R
W230250200WM	230.00	+0.00 / -0.13	230.00	250.00		20.00	253.00	+0.01 / -0.01	241.00	+0.01 / -0.01	8.30	+0.15 / -0.00	4.80	+0.01 / -0.00	O/R
W260280020WM	260.00	+0.00 / -0.13	260.00	280.00		20.00	283.00	+0.01 / -0.01	271.00	+0.01 / -0.01	8.30	+0.15 / -0.00	4.80	+0.01 / -0.00	O/R



WN - Rod Wipers

Nitrile/Steel





Temperature: -40/212F [-40/100C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	
W006013030WN	6.00	+0.00 / -0.04	6.00	13.00	3.00	4.50	13.00	+0.02 / -0.00	3.00	+0.50 / -0.00	4.75
W006014050WN	6.00	+0.00 / -0.04	6.00	14.00	5.00	8.00	14.00	+0.02 / -0.00	5.00	+0.50 / -0.00	O/R
W008140035WN	8.00	+0.00 / -0.04	8.00	14.00	3.50	5.00	14.00	+0.02 / -0.00	3.50	+0.50 / -0.00	O/R
W008015030WN	8.00	+0.00 / -0.04	8.00	15.00	3.00	4.50	15.00	+0.02 / -0.00	3.00	+0.50 / -0.00	O/R
W008016050WN	8.00	+0.00 / -0.04	8.00	16.00	5.00	8.00	16.00	+0.02 / -0.00	5.00	+0.50 / -0.00	O/R
W008018060WN	8.00	+0.00 / -0.04	8.00	18.00	6.00	9.00	18.00	+0.02 / -0.00	6.00	+0.50 / -0.00	O/R
W008022030WN	8.00	+0.00 / -0.04	8.00	22.00	3.00	4.50	22.00	+0.02 / -0.00	3.00	+0.50 / -0.00	O/R
W010016030WN	10.00	+0.00 / -0.04	10.00	16.00	3.00	4.50	16.00	+0.02 / -0.00	3.00	+0.50 / -0.00	4.75
W010016050WN	10.00	+0.00 / -0.04	10.00	16.00	5.00	8.00	16.00	+0.02 / -0.00	5.00	+0.50 / -0.00	O/R
W010018050WN	10.00	+0.00 / -0.04	10.00	18.00	5.00	8.00	18.00	+0.02 / -0.00	5.00	+0.50 / -0.00	4.75
W010020050WN	10.00	+0.00 / -0.04	10.00	20.00	5.00	8.00	20.00	+0.02 / -0.00	5.00	+0.50 / -0.00	4.75
W012018030WN	12.00	+0.00 / -0.04	12.00	18.00	3.00	4.50	18.00	+0.02 / -0.00	3.00	+0.50 / -0.00	O/R
W012020040WN	12.00	+0.00 / -0.04	12.00	20.00	4.00	6.00	20.00	+0.02 / -0.00	4.00	+0.50 / -0.00	4.75
W012022050WN	12.00	+0.00 / -0.04	12.00	22.00	5.00	8.00	22.00	+0.03 / -0.00	5.00	+0.50 / -0.00	4.75
W012022070WN	12.00	+0.00 / -0.04	12.00	22.00	7.00	10.00	22.00	+0.03 / -0.00	7.00	+0.50 / -0.00	O/R
W012025050WN	12.00	+0.00 / -0.04	12.00	25.00	5.00	8.00	25.00	+0.03 / -0.00	5.00	+0.50 / -0.00	4.75
W014020030WN	14.00	+0.00 / -0.04	14.00	20.00	3.00	4.50	20.00	+0.03 / -0.00	3.00	+0.50 / -0.00	O/R
W014020035WN	14.00	+0.00 / -0.04	14.00	20.00	3.50	5.00	20.00	+0.03 / -0.00	3.50	+0.50 / -0.00	4.80
W014020040WN	14.00	+0.00 / -0.04	14.00	20.00	4.00	6.00	20.00	+0.03 / -0.00	4.00	+0.50 / -0.00	4.80
W014022030WN	14.00	+0.00 / -0.04	14.00	22.00	3.00	4.50	22.00	+0.03 / -0.00	3.00	+0.50 / -0.00	4.80
W014024070WN	14.00	+0.00 / -0.04	14.00	24.00	7.00	10.00	24.00	+0.03 / -0.00	7.00	+0.50 / -0.00	O/R
W014025050WN	14.00	+0.00 / -0.04	14.00	25.00	5.00	8.00	25.00	+0.03 / -0.00	5.00	+0.50 / -0.00	4.80
W015025050WN	15.00	+0.00 / -0.04	15.00	25.00	5.00	8.00	25.00	+0.03 / -0.00	5.00	+0.50 / -0.00	4.95
W015025070WN	15.00	+0.00 / -0.04	15.00	25.00	7.00	10.00	25.00	+0.03 / -0.00	7.00	+0.50 / -0.00	4.95
W016022030WN	16.00	+0.00 / -0.04	16.00	22.00	3.00	4.50	22.00	+0.03 / -0.00	3.00	+0.50 / -0.00	5.00
W016022035WN	16.00	+0.00 / -0.04	16.00	22.00	3.50	5.00	22.00	+0.03 / -0.00	3.50	+0.50 / -0.00	5.00
W016022040WN	16.00	+0.00 / -0.04	16.00	22.00	4.00	6.00	22.00	+0.03 / -0.00	4.00	+0.50 / -0.00	O/R
W016022050WN	16.00	+0.00 / -0.04	16.00	22.00	5.00	8.00	22.00	+0.03 / -0.00	5.00	+0.50 / -0.00	O/R
W016024030WN	16.00	+0.00 / -0.04	16.00	24.00	3.00	4.50	24.00	+0.03 / -0.00	3.00	+0.50 / -0.00	5.00
W016026050WN	16.00	+0.00 / -0.04	16.00	26.00	5.00	8.00	26.00	+0.03 / -0.00	5.00	+0.50 / -0.00	5.00
W016026070WN	16.00	+0.00 / -0.04	16.00	26.00	7.00	10.00	26.00	+0.03 / -0.00	7.00	+0.50 / -0.00	5.00
W017022050WN	17.00	+0.00 / -0.04	17.00	22.00	5.00	8.00	22.00	+0.03 / -0.00	5.00	+0.50 / -0.00	O/R
W018026030WN	18.00	+0.00 / -0.04	18.00	26.00	3.00	4.50	26.00	+0.03 / -0.00	3.00	+0.50 / -0.00	O/R
W018026050WN	18.00	+0.00 / -0.04	18.00	26.00	5.00	7.00	26.00	+0.03 / -0.00	5.00	+0.50 / -0.00	O/R
W018028050WN	18.00	+0.00 / -0.04	18.00	28.00	5.00	8.00	28.00	+0.03 / -0.00	5.00	+0.50 / -0.00	5.10
W018028070WN	18.00	+0.00 / -0.04	18.00	28.00	7.00	10.00	28.00	+0.03 / -0.00	7.00	+0.50 / -0.00	5.10
W018035050WN	18.00	+0.00 / -0.04	18.00	35.00	5.00	8.00	35.00	+0.03 / -0.00	5.00	+0.50 / -0.00	O/R
W019027064WN	19.00	+0.00 / -0.04	19.00	27.00	6.40	9.50	27.00	+0.03 / -0.00	6.40	+0.50 / -0.00	O/R

WN SERIES - NBR/STEEL

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	
W020026040WN	20.00	+0.00 / -0.04	20.00	26.00	4.00	6.00	26.00	+0.03 / -0.00	4.00	+0.50 / -0.00	5.25
W020026050WN	20.00	+0.00 / -0.04	20.00	26.00	5.00	8.00	26.00	+0.03 / -0.00	5.00	+0.50 / -0.00	5.25
W020028035WN	20.00	+0.00 / -0.04	20.00	28.00	3.50	5.00	28.00	+0.03 / -0.00	3.50	+0.50 / -0.00	5.25
W020028050WN	20.00	+0.00 / -0.04	20.00	28.00	5.00	8.00	28.00	+0.03 / -0.00	5.00	+0.50 / -0.00	5.25
W020030040WN	20.00	+0.00 / -0.04	20.00	30.00	4.00	6.00	30.00	+0.03 / -0.00	4.00	+0.50 / -0.00	5.25
W020030050WN	20.00	+0.00 / -0.04	20.00	30.00	5.00	8.00	30.00	+0.03 / -0.00	5.00	+0.50 / -0.00	5.25
W020030070WN	20.00	+0.00 / -0.04	20.00	30.00	7.00	10.00	30.00	+0.03 / -0.00	7.00	+0.50 / -0.00	5.25
W020035070WN	20.00	+0.00 / -0.04	20.00	35.00	7.00	10.00	35.00	+0.03 / -0.00	7.00	+0.50 / -0.00	5.25
W021028035WN	21.00	+0.00 / -0.04	21.00	28.00	3.50	5.00	28.00	+0.03 / -0.00	3.50	+0.50 / -0.00	5.15
W022028050WN	22.00	+0.00 / -0.04	22.00	28.00	5.00	8.00	28.00	+0.03 / -0.00	5.00	+0.50 / -0.00	5.85
W022030050WN	22.00	+0.00 / -0.04	22.00	30.00	5.00	8.00	30.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W022032050WN	22.00	+0.00 / -0.04	22.00	32.00	5.00	8.00	32.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.80
W022032070WN	22.00	+0.00 / -0.04	22.00	32.00	7.00	10.00	32.00	+0.04 / -0.00	7.00	+0.50 / -0.00	5.85
W022035050WN	22.00	+0.00 / -0.04	22.00	35.00	5.00	8.00	35.00	+0.04 / -0.00	5.00	+0.50 / -0.00	5.85
W022035070WN	22.00	+0.00 / -0.04	22.00	35.00	7.00	10.00	35.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W022038050WN	22.00	+0.00 / -0.04	22.00	38.00	5.00	8.00	38.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W024032050WN	24.00	+0.00 / -0.04	24.00	32.00	5.00	7.00	32.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W024035070WN	24.00	+0.00 / -0.04	24.00	35.00	7.00	10.00	35.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W024037070WN	24.00	+0.00 / -0.04	24.00	37.00	7.00	10.00	37.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W025035030WN	25.00	+0.00 / -0.04	25.00	35.00	3.00	4.50	35.00	+0.04 / -0.00	3.00	+0.50 / -0.00	O/R
W025035050WN	25.00	+0.00 / -0.04	25.00	35.00	5.00	8.00	35.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.00
W025035070WN	25.00	+0.00 / -0.04	25.00	35.00	7.00	10.00	35.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.00
W026034050WN	26.00	+0.00 / -0.04	26.00	34.00	5.00	8.00	34.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.10
W028038050WN	28.00	+0.00 / -0.04	28.00	38.00	5.00	8.00	38.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.20
W028038070WN	28.00	+0.00 / -0.04	28.00	38.00	7.00	10.00	38.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.20
W028040070WN	28.00	+0.00 / -0.04	28.00	40.00	7.00	10.00	40.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.20
W029040070WN	29.50	+0.00 / -0.04	29.50	40.00	7.00	10.00	40.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W030040050WN	30.00	+0.00 / -0.04	30.00	40.00	5.00	7.00	40.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.25
W030040070WN	30.00	+0.00 / -0.04	30.00	40.00	7.00	10.00	40.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.25
W030042050WN	30.00	+0.00 / -0.04	30.00	42.00	5.00	8.00	42.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.25
W030042070WN	30.00	+0.00 / -0.04	30.00	42.00	7.00	10.00	42.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.25
W030045050WN	30.00	+0.00 / -0.04	30.00	45.00	5.00	8.00	45.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.25
W030045070WN	30.00	+0.00 / -0.04	30.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W032040040WN	32.00	+0.00 / -0.04	32.00	40.00	4.00	6.00	40.00	+0.04 / -0.00	4.00	+0.50 / -0.00	6.40
W032040070WN	32.00	+0.00 / -0.04	32.00	40.00	7.00	10.00	40.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.40
W032042050WN	32.00	+0.00 / -0.04	32.00	42.00	5.00	8.00	42.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.40
W032042070WN	32.00	+0.00 / -0.04	32.00	42.00	7.00	10.00	42.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.40
W032045040WN	32.00	+0.00 / -0.04	32.00	45.00	4.00	6.00	45.00	+0.04 / -0.00	4.00	+0.50 / -0.00	6.40
W032045050WN	32.00	+0.00 / -0.04	32.00	45.00	5.00	8.00	45.00	+0.04 / -0.00	5.00	+0.50 / -0.00	6.40
W032045070WN	32.00	+0.00 / -0.04	32.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	6.40
W033043050WN	33.00	+0.00 / -0.04	33.00	43.00	5.00	8.00	43.00	+0.04 / -0.00	5.00	+0.50 / -0.00	7.10
W033043070WN	33.00	+0.00 / -0.04	33.00	43.00	7.00	10.00	43.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W035045050WN	35.00	+0.00 / -0.04	35.00	45.00	5.00	8.00	45.00	+0.04 / -0.00	5.00	+0.50 / -0.00	7.10
W035045070WN	35.00	+0.00 / -0.04	35.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.10
W035047070WN	35.00	+0.00 / -0.04	35.00	47.00	7.00	10.00	47.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.10
W035050090WN	35.00	+0.00 / -0.04	35.00	50.00	9.00	12.00	50.00	+0.04 / -0.00	9.00	+0.50 / -0.00	7.10
W035052070WN	35.00	+0.00 / -0.04	35.00	52.00	7.00	10.00	52.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.10
W036045070WN	36.00	+0.00 / -0.04	36.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.45

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	$
W036046050WN	36.00	+0.00 / -0.04	36.00	46.00	5.00	8.00	46.00	+0.04 / -0.00	5.00	+0.50 / -0.00	7.45
W036046070WN	36.00	+0.00 / -0.04	36.00	46.00	7.00	10.00	46.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.45
W038048070WN	38.00	+0.00 / -0.04	38.00	48.00	7.00	10.00	48.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.50
W039050070WN	39.50	+0.00 / -0.04	39.50	50.00	7.00	10.00	50.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W040050035WN	40.00	+0.00 / -0.05	40.00	50.00	3.50	5.00	50.00	+0.04 / -0.00	3.50	+0.50 / -0.00	O/R
W040050050WN	40.00	+0.00 / -0.05	40.00	50.00	5.00	8.00	50.00	+0.04 / -0.00	5.00	+0.50 / -0.00	7.80
W040050070WN	40.00	+0.00 / -0.05	40.00	50.00	7.00	10.00	50.00	+0.04 / -0.00	7.00	+0.50 / -0.00	7.80
W040052050WN	40.00	+0.00 / -0.05	40.00	52.00	5.00	8.00	52.00	+0.05 / -0.00	5.00	+0.50 / -0.00	7.80
W040052070WN	40.00	+0.00 / -0.05	40.00	52.00	7.00	10.00	52.00	+0.05 / -0.00	7.00	+0.50 / -0.00	7.80
W040055090WN	40.00	+0.00 / -0.05	40.00	55.00	9.00	12.00	55.00	+0.05 / -0.00	9.00	+0.50 / -0.00	7.80
W042052070WN	42.00	+0.00 / -0.05	42.00	52.00	7.00	10.00	52.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.10
W044055050WN	44.00	+0.00 / -0.05	44.00	55.00	5.00	8.00	55.00	+0.05 / -0.00	5.00	+0.50 / -0.00	8.25
W045055050WN	45.00	+0.00 / -0.05	45.00	55.00	5.00	8.00	55.00	+0.05 / -0.00	5.00	+0.50 / -0.00	8.50
W045055070WN	45.00	+0.00 / -0.05	45.00	55.00	7.00	10.00	55.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.80
W045060050WN	45.00	+0.00 / -0.05	45.00	60.00	5.00	7.00	60.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W045060070WN	45.00	+0.00 / -0.05	45.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.50
W047057070WN	47.00	+0.00 / -0.05	47.00	57.00	7.00	10.00	57.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W048060070WN	48.00	+0.00 / -0.05	48.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.60
W050056040WN	50.00	+0.00 / -0.05	50.00	56.00	4.00	6.00	56.00	+0.05 / -0.00	4.00	+0.50 / -0.00	8.75
W050056050WN	50.00	+0.00 / -0.05	50.00	56.00	5.00	7.00	56.00	+0.05 / -0.00	5.00	+0.50 / -0.00	8.75
W050060050WN	50.00	+0.00 / -0.05	50.00	60.00	5.00	8.00	60.00	+0.05 / -0.00	5.00	+0.50 / -0.00	8.75
W050060070WN	50.00	+0.00 / -0.05	50.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.75
W050065050WN	50.00	+0.00 / -0.05	50.00	65.00	5.00	8.00	65.00	+0.05 / -0.00	5.00	+0.50 / -0.00	8.75
W050065070WN	50.00	+0.00 / -0.05	50.00	65.00	7.00	10.00	65.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.75
W052062070WN	52.00	+0.00 / -0.05	52.00	62.00	7.00	10.00	62.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.90
W055063070WN	55.00	+0.00 / -0.05	55.00	63.00	7.00	10.00	63.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.90
W055065050WN	55.00	+0.00 / -0.05	55.00	65.00	5.00	8.00	65.00	+0.05 / -0.00	5.00	+0.50 / -0.00	8.90
W055065070WN	55.00	+0.00 / -0.05	55.00	65.00	7.00	10.00	65.00	+0.05 / -0.00	7.00	+0.50 / -0.00	8.90
W055080050WN	55.00	+0.00 / -0.05	55.00	80.00	5.00	8.00	80.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W056065070WN	56.00	+0.00 / -0.05	56.00	65.00	7.00	10.00	65.00	+0.05 / -0.00	7.00	+0.50 / -0.00	9.10
W056066050WN	56.00	+0.00 / -0.05	56.00	66.00	5.00	8.00	66.00	+0.05 / -0.00	5.00	+0.50 / -0.00	9.10
W056066070WN	56.00	+0.00 / -0.05	56.00	66.00	7.00	10.00	66.00	+0.05 / -0.00	7.00	+0.50 / -0.00	9.45
W060068050WN	60.00	+0.00 / -0.05	60.00	68.00	5.00	8.00	68.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W060070050WN	60.00	+0.00 / -0.05	60.00	70.00	5.00	8.00	70.00	+0.05 / -0.00	5.00	+0.50 / -0.00	9.50
W060070070WN	60.00	+0.00 / -0.05	60.00	70.00	7.00	10.00	70.00	+0.05 / -0.00	7.00	+0.50 / -0.00	9.70
W060074050WN	60.00	+0.00 / -0.05	60.00	74.00	5.00	8.00	74.00	+0.05 / -0.00	5.00	+0.50 / -0.00	10.10
W060075070WN	60.00	+0.00 / -0.05	60.00	75.00	7.00	10.00	75.00	+0.05 / -0.00	7.00	+0.50 / -0.00	10.20
W060080070WN	60.00	+0.00 / -0.05	60.00	80.00	7.00	10.00	80.00	+0.05 / -0.00	7.00	+0.50 / -0.00	10.25
W061072070WN	61.00	+0.00 / -0.05	61.00	72.00	7.00	10.00	72.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W063072070WN	63.00	+0.00 / -0.05	63.00	72.00	7.00	10.00	72.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W063073060WN	63.00	+0.00 / -0.05	63.00	73.00	6.00	9.00	73.00	+0.05 / -0.00	6.00	+0.50 / -0.00	O/R
W063073070WN	63.00	+0.00 / -0.05	63.00	73.00	7.00	10.00	73.00	+0.05 / -0.00	7.00	+0.50 / -0.00	10.35
W063075070WN	63.00	+0.00 / -0.05	63.00	75.00	7.00	10.00	75.00	+0.05 / -0.00	7.00	+0.50 / -0.00	10.35
W063083050WN	63.00	+0.00 / -0.06	63.00	83.00	5.00	8.00	83.00	+0.05 / -0.00	5.00	+0.50 / -0.00	10.35
W065075050WN	65.00	+0.00 / -0.06	65.00	75.00	5.00	8.00	75.00	+0.05 / -0.00	5.00	+0.50 / -0.00	10.65
W065075070WN	65.00	+0.00 / -0.06	65.00	75.00	7.00	10.00	75.00	+0.05 / -0.00	7.00	+0.50 / -0.00	10.70
W070080050WN	70.00	+0.00 / -0.06	70.00	80.00	5.00	8.00	80.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W070080070WN	70.00	+0.00 / -0.06	70.00	80.00	7.00	10.00	80.00	+0.05 / -0.00	7.00	+0.50 / -0.00	11.50

WN SERIES - NBR/STEEL

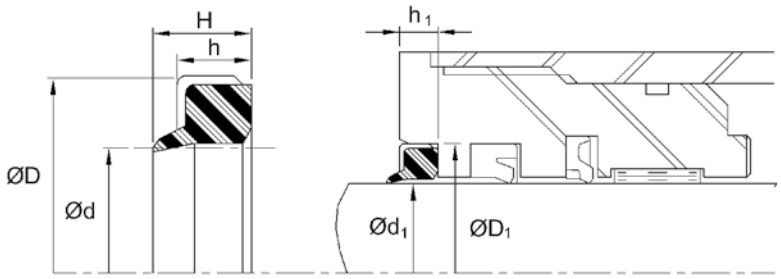
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	
W072082070WN	72.00	+0.00 / -0.06	72.00	82.00	7.00	10.00	82.00	+0.05 / -0.00	7.00	+0.50 / -0.00	11.50
W073089070WN	73.00	+0.00 / -0.06	73.00	89.00	7.00	10.00	89.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W075085070WN	75.00	+0.00 / -0.06	75.00	85.00	7.00	10.00	85.00	+0.05 / -0.00	7.00	+0.50 / -0.00	12.65
W075087050WN	75.00	+0.00 / -0.06	75.00	87.00	5.00	8.00	87.00	+0.05 / -0.00	5.00	+0.50 / -0.00	12.65
W075087070WN	75.00	+0.00 / -0.06	75.00	87.00	7.00	10.00	87.00	+0.05 / -0.00	7.00	+0.50 / -0.00	12.65
W078088070WN	78.00	+0.00 / -0.09	78.00	88.00	7.00	10.00	88.00	+0.05 / -0.00	7.00	+0.50 / -0.00	13.50
W080090070WN	80.00	+0.00 / -0.09	80.00	90.00	7.00	10.00	90.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.70
W082092070WN	82.00	+0.00 / -0.09	82.00	92.00	7.00	10.00	92.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.70
W084094050WN	84.00	+0.00 / -0.09	84.00	94.00	5.00	8.00	94.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W085095070WN	85.00	+0.00 / -0.09	85.00	95.00	7.00	10.00	95.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.70
W090100050WN	90.00	+0.00 / -0.09	90.00	100.00	5.00	8.00	100.00	+0.05 / -0.00	5.00	+0.50 / -0.00	16.30
W090100070WN	90.00	+0.00 / -0.09	90.00	100.00	7.00	10.00	100.00	+0.05 / -0.00	7.00	+0.50 / -0.00	16.30
W095105070WN	95.00	+0.00 / -0.09	95.00	105.00	7.00	10.00	105.00	+0.05 / -0.00	7.00	+0.50 / -0.00	16.30
W095106070WN	95.00	+0.00 / -0.09	95.00	106.00	7.00	10.00	106.00	+0.05 / -0.00	7.00	+0.50 / -0.00	17.80
W100110050WN	100.00	+0.00 / -0.09	100.00	110.00	5.00	8.00	110.00	+0.05 / -0.00	5.00	+0.50 / -0.00	18.45
W100110070WN	100.00	+0.00 / -0.09	100.00	110.00	7.00	10.00	110.00	+0.05 / -0.00	7.00	+0.50 / -0.00	18.45
W100115080WN	100.00	+0.00 / -0.09	100.00	115.00	8.00	12.00	115.00	+0.05 / -0.00	8.00	+0.50 / -0.00	18.60
W100115090WN	100.00	+0.00 / -0.09	100.00	115.00	9.00	12.00	115.00	+0.05 / -0.00	9.00	+0.50 / -0.00	O/R
W105115070WN	105.00	+0.00 / -0.13	105.00	115.00	7.00	10.00	115.00	+0.05 / -0.00	7.00	+0.50 / -0.00	21.55
W108120070WN	108.00	+0.00 / -0.13	108.00	120.00	7.00	10.00	120.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W110120070WN	110.00	+0.00 / -0.13	110.00	120.00	7.00	10.00	120.00	+0.05 / -0.00	7.00	+0.50 / -0.00	21.65
W110125090WN	110.00	+0.00 / -0.13	110.00	125.00	9.00	12.00	125.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W115125070WN	115.00	+0.00 / -0.13	115.00	125.00	7.00	10.00	125.00	+0.06 / -0.00	7.00	+0.50 / -0.00	22.00
W120130070WN	120.00	+0.00 / -0.13	120.00	130.00	7.00	10.00	130.00	+0.06 / -0.00	7.00	+0.50 / -0.00	22.20
W123147090WN	123.00	+0.00 / -0.13	123.00	147.00	9.00	12.00	147.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W125140070WN	125.00	+0.00 / -0.13	125.00	140.00	7.00	10.00	140.00	+0.06 / -0.00	7.00	+0.50 / -0.00	O/R
W125140090WN	125.00	+0.00 / -0.13	125.00	140.00	9.00	12.00	140.00	+0.06 / -0.00	9.00	+0.50 / -0.00	24.60
W130140070WN	130.00	+0.00 / -0.13	130.00	140.00	7.00	10.00	140.00	+0.06 / -0.00	7.00	+0.50 / -0.00	O/R
W130145090WN	130.00	+0.00 / -0.13	130.00	145.00	9.00	12.00	145.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.05
W135145070WN	135.00	+0.00 / -0.13	135.00	145.00	7.00	10.00	145.00	+0.06 / -0.00	7.00	+0.50 / -0.00	O/R
W135150090WN	135.00	+0.00 / -0.13	135.00	150.00	9.00	12.00	150.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.05
W140150070WN	140.00	+0.00 / -0.13	140.00	150.00	7.00	10.00	150.00	+0.06 / -0.00	7.00	+0.50 / -0.00	O/R
W140155090WN	140.00	+0.00 / -0.13	140.00	155.00	9.00	12.00	155.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.65
W145160090WN	145.00	+0.00 / -0.13	145.00	160.00	9.00	12.00	160.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.80
W145165010WN	145.00	+0.00 / -0.13	145.00	165.00	10.00	14.00	165.00	+0.06 / -0.00	10.00	+0.50 / -0.00	O/R
W150165090WN	150.00	+0.00 / -0.13	150.00	165.00	9.00	12.00	165.00	+0.06 / -0.00	9.00	+0.50 / -0.00	27.10
W150166080WN	150.00	+0.00 / -0.13	150.00	166.00	8.00	12.00	166.00	+0.06 / -0.00	8.00	+0.50 / -0.00	O/R
W160175090WN	160.00	+0.00 / -0.13	160.00	175.00	9.00	12.00	175.00	+0.06 / -0.00	9.00	+0.50 / -0.00	41.40
W160176080WN	160.00	+0.00 / -0.13	160.00	176.00	8.00	12.00	176.00	+0.06 / -0.00	8.00	+0.50 / -0.00	O/R
W163175070WN	163.00	+0.00 / -0.13	163.00	175.00	7.00	10.00	175.00	+0.06 / -0.00	7.00	+0.50 / -0.00	O/R
W165180090WN	165.00	+0.00 / -0.13	165.00	180.00	9.00	12.00	180.00	+0.07 / -0.00	9.00	+0.50 / -0.00	O/R
W165180120WN	165.00	+0.00 / -0.13	165.00	180.00	12.00	16.00	180.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W170185100WN	170.00	+0.00 / -0.13	170.00	185.00	10.00	14.00	185.00	+0.07 / -0.00	10.00	+0.50 / -0.00	42.15
W175190090WN	175.00	+0.00 / -0.13	175.00	190.00	9.00	12.00	190.00	+0.07 / -0.00	9.00	+0.50 / -0.00	42.55
W180195100WN	180.00	+0.00 / -0.13	180.00	195.00	10.00	14.00	195.00	+0.07 / -0.00	10.00	+0.50 / -0.00	42.60
W185200100WN	185.00	+0.00 / -0.13	185.00	200.00	10.00	14.00	200.00	+0.07 / -0.00	10.00	+0.50 / -0.00	O/R
W185201080WN	185.00	+0.00 / -0.13	185.00	201.00	8.00	12.00	201.00	+0.07 / -0.00	8.00	+0.50 / -0.00	O/R
W200215090WN	200.00	+0.00 / -0.13	200.00	215.00	9.00	12.00	215.00	+0.07 / -0.00	9.00	+0.50 / -0.00	50.55

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	$
W200220100WN	200.00	+0.00 / -0.13	200.00	220.00	10.00	14.00	220.00	+0.07 / -0.00	10.00	+0.50 / -0.00	O/R
W200220120WN	200.00	+0.00 / -0.13	200.00	220.00	12.00	16.00	220.00	+0.07 / -0.00	12.00	+0.50 / -0.00	73.50
W210230100WN	210.00	+0.00 / -0.13	210.00	230.00	10.00	14.00	230.00	+0.07 / -0.00	10.00	+0.50 / -0.00	O/R
W210230120WN	210.00	+0.00 / -0.13	210.00	230.00	12.00	16.00	230.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W220240090WN	220.00	+0.00 / -0.13	220.00	240.00	9.00	12.00	240.00	+0.07 / -0.00	9.00	+0.50 / -0.00	O/R
W220240120WN	220.00	+0.00 / -0.13	220.00	240.00	12.00	16.00	240.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W230246080WN	230.00	+0.00 / -0.13	230.00	246.50	8.00	12.00	246.50	+0.07 / -0.00	8.00	+0.50 / -0.00	O/R
W240260120WN	240.00	+0.00 / -0.13	240.00	260.00	12.00	16.00	260.00	+0.08 / -0.00	12.00	+0.50 / -0.00	182.50
W250270120WN	250.00	+0.00 / -0.13	250.00	270.00	12.00	16.00	270.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W275300120WN	275.00	+0.00 / -0.13	275.00	300.00	12.00	16.00	300.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W280300120WN	280.00	+0.00 / -0.13	280.00	300.00	12.00	16.00	300.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W320340120WN	320.00	+0.00 / -0.13	320.00	340.00	12.00	16.00	340.00	+0.09 / -0.00	12.00	+0.50 / -0.00	O/R
W360380120WN	360.00	+0.00 / -0.13	360.00	380.00	12.00	16.00	380.00	+0.09 / -0.00	12.00	+0.50 / -0.00	O/R
W400420120WN	400.00	+0.00 / -0.13	400.00	420.00	12.00	16.00	420.00	+0.10 / -0.00	12.00	+0.50 / -0.00	O/R

WO - Rod Wipers

Polyurethane/Steel





Temperature: -31/212F [-35/100C] **Pressure: N/A**

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions d	D	h	H	Housing Dimensions D1	Tol.	h1	Tol.	$
W008014035WO	8.00	+0.00 / -0.04	8.00	14.00	3.50	5.00	14.00	+0.02 / -0.00	3.50	+0.50 / -0.00	8.20
W008018050WO	8.00	+0.00 / -0.04	8.00	18.00	5.00	7.00	18.00	+0.02 / -0.00	5.00	+0.50 / -0.00	6.50
W009019050WO	9.00	+0.00 / -0.04	9.00	19.00	5.00	7.00	19.00	+0.03 / -0.00	5.00	+0.50 / -0.00	6.50
W010016035WO	10.00	+0.00 / -0.04	10.00	16.00	3.50	5.00	16.00	+0.03 / -0.00	3.50	+0.50 / -0.00	8.65
W010018050WO	10.00	+0.00 / -0.04	10.00	18.00	5.00	8.00	18.00	+0.03 / -0.00	5.00	+0.50 / -0.00	O/R
W010020050WO	10.00	+0.00 / -0.04	10.00	20.00	5.00	8.00	20.00	+0.03 / -0.00	5.00	+0.50 / -0.00	7.55
W012018035WO	12.00	+0.00 / -0.04	12.00	18.00	3.50	5.00	18.00	+0.03 / -0.00	3.50	+0.50 / -0.00	O/R
W012018040WO	12.00	+0.00 / -0.04	12.00	18.00	4.00	6.00	18.00	+0.03 / -0.00	4.00	+0.50 / -0.00	O/R
W012020040WO	12.00	+0.00 / -0.04	12.00	20.00	4.00	6.00	20.00	+0.03 / -0.00	4.00	+0.50 / -0.00	7.55
W012022050WO	12.00	+0.00 / -0.04	12.00	22.00	5.00	8.00	22.00	+0.03 / -0.00	5.00	+0.50 / -0.00	7.55

WO SERIES - AU/STEEL

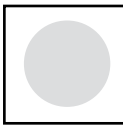
Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions				Housing Dimensions				$
			d	D	h	H	D1	Tol.	h1	Tol.	
W014020035WO	14.00	+0.00 / -0.04	14.00	20.00	3.50	5.00	20.00	+0.03 / -0.00	3.50	+0.50 / -0.00	6.65
W014024050WO	14.00	+0.00 / -0.04	14.00	24.00	5.00	7.00	24.00	+0.03 / -0.00	5.00	+0.50 / -0.00	6.65
W015021035WO	15.00	+0.00 / -0.04	15.00	21.00	3.50	5.00	21.00	+0.03 / -0.00	3.50	+0.50 / -0.00	O/R
W015025050WO	15.00	+0.00 / -0.04	15.00	25.00	5.00	8.00	25.00	+0.03 / -0.00	5.00	+0.50 / -0.00	6.80
W016022030WO	16.00	+0.00 / -0.04	16.00	22.00	3.00	4.50	22.00	+0.03 / -0.00	3.00	+0.50 / -0.00	8.15
W016022035WO	16.00	+0.00 / -0.04	16.00	22.00	3.50	5.00	22.00	+0.03 / -0.00	3.50	+0.50 / -0.00	O/R
W016022040WO	16.00	+0.00 / -0.04	16.00	22.00	4.00	6.00	22.00	+0.03 / -0.00	4.00	+0.50 / -0.00	O/R
W016026050WO	16.00	+0.00 / -0.04	16.00	26.00	5.00	8.00	26.00	+0.03 / -0.00	5.00	+0.50 / -0.00	8.15
W017024035WO	17.00	+0.00 / -0.04	17.00	24.00	3.50	5.00	24.00	+0.03 / -0.00	3.50	+0.50 / -0.00	6.80
W018028050WO	18.00	+0.00 / -0.04	18.00	28.00	5.00	8.00	28.00	+0.03 / -0.00	5.00	+0.50 / -0.00	7.25
W018028070WO	18.00	+0.00 / -0.04	18.00	28.00	7.00	10.00	28.00	+0.03 / -0.00	7.00	+0.50 / -0.00	7.25
W018030060WO	18.00	+0.00 / -0.04	18.00	30.00	6.00	9.00	30.00	+0.03 / -0.00	6.00	+0.50 / -0.00	7.65
W020026050WO	20.00	+0.00 / -0.04	20.00	26.00	5.00	8.00	26.00	+0.03 / -0.00	5.00	+0.50 / -0.00	O/R
W020028035WO	20.00	+0.00 / -0.04	20.00	28.00	3.50	5.00	28.00	+0.03 / -0.00	3.50	+0.50 / -0.00	7.65
W020030050WO	20.00	+0.00 / -0.04	20.00	30.00	5.00	8.00	30.00	+0.03 / -0.00	5.00	+0.50 / -0.00	8.95
W020032060WO	20.00	+0.00 / -0.04	20.00	32.00	6.00	9.00	32.00	+0.04 / -0.00	6.00	+0.50 / -0.00	8.95
W022028050WO	22.00	+0.00 / -0.04	22.00	28.00	5.00	8.00	28.00	+0.04 / -0.00	5.00	+0.50 / -0.00	10.20
W022032050WO	22.00	+0.00 / -0.04	22.00	32.00	5.00	8.00	32.00	+0.04 / -0.00	5.00	+0.50 / -0.00	8.95
W022032070WO	22.00	+0.00 / -0.04	22.00	32.00	7.00	10.00	32.00	+0.04 / -0.00	7.00	+0.50 / -0.00	8.95
W024035050WO	24.00	+0.00 / -0.04	24.00	35.00	5.00	8.00	35.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W025032050WO	25.00	+0.00 / -0.04	25.00	32.00	5.00	8.00	32.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W025035050WO	25.00	+0.00 / -0.04	25.00	35.00	5.00	8.00	35.00	+0.04 / -0.00	5.00	+0.50 / -0.00	8.95
W025035070WO	25.00	+0.00 / -0.04	25.00	35.00	7.00	10.00	35.00	+0.04 / -0.00	7.00	+0.50 / -0.00	8.95
W025037060WO	25.00	+0.00 / -0.04	25.00	37.00	6.00	9.00	37.00	+0.04 / -0.00	6.00	+0.50 / -0.00	9.70
W026034050WO	26.00	+0.00 / -0.04	26.00	34.00	5.00	8.00	34.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W027039060WO	27.00	+0.00 / -0.04	27.00	39.00	6.00	9.00	39.00	+0.04 / -0.00	6.00	+0.50 / -0.00	O/R
W028038050WO	28.00	+0.00 / -0.04	28.00	38.00	5.00	8.00	38.00	+0.04 / -0.00	5.00	+0.50 / -0.00	9.70
W028038070WO	28.00	+0.00 / -0.04	28.00	38.00	7.00	10.00	38.00	+0.04 / -0.00	7.00	+0.50 / -0.00	9.70
W028040060WO	28.00	+0.00 / -0.04	28.00	40.00	6.00	9.00	40.00	+0.04 / -0.00	6.00	+0.50 / -0.00	10.15
W028040070WO	28.00	+0.00 / -0.04	28.00	40.00	7.00	10.00	40.00	+0.04 / -0.00	7.00	+0.50 / -0.00	9.35
W030040050WO	30.00	+0.00 / -0.04	30.00	40.00	5.00	8.00	40.00	+0.04 / -0.00	5.00	+0.50 / -0.00	9.35
W030040070WO	30.00	+0.00 / -0.04	30.00	40.00	7.00	10.00	40.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.00
W030042060WO	30.00	+0.00 / -0.04	30.00	42.00	6.00	9.00	42.00	+0.04 / -0.00	6.00	+0.50 / -0.00	10.15
W030045050WO	30.00	+0.00 / -0.04	30.00	45.00	5.00	8.00	45.00	+0.04 / -0.00	5.00	+0.50 / -0.00	10.15
W032042050WO	32.00	+0.00 / -0.04	32.00	42.00	5.00	8.00	42.00	+0.04 / -0.00	5.00	+0.50 / -0.00	10.15
W032042070WO	32.00	+0.00 / -0.04	32.00	42.00	7.00	10.00	42.00	+0.04 / -0.00	7.00	+0.50 / -0.00	11.05
W032044070WO	32.00	+0.00 / -0.04	32.00	44.00	7.00	10.00	44.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.15
W032045070WO	32.00	+0.00 / -0.04	32.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.15
W033043070WO	33.00	+0.00 / -0.04	33.00	43.00	7.00	10.00	43.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W035045070WO	35.00	+0.00 / -0.04	35.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.25
W035047070WO	35.00	+0.00 / -0.04	35.00	47.00	7.00	10.00	47.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.70
W036045050WO	36.00	+0.00 / -0.04	36.00	45.00	5.00	8.00	45.00	+0.04 / -0.00	5.00	+0.50 / -0.00	O/R
W036045070WO	36.00	+0.00 / -0.04	36.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.70
W036046050WO	36.00	+0.00 / -0.04	36.00	46.00	5.00	8.00	46.00	+0.04 / -0.00	5.00	+0.50 / -0.00	11.75
W036050070WO	36.00	+0.00 / -0.04	36.00	50.00	7.00	10.00	50.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W038048070WO	38.00	+0.00 / -0.04	38.00	48.00	7.00	10.00	48.00	+0.04 / -0.00	7.00	+0.50 / -0.00	12.45
W038050070WO	38.00	+0.00 / -0.04	38.00	50.00	7.00	10.00	50.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W040050050WO	40.00	+0.00 / -0.05	40.00	50.00	5.00	8.00	50.00	+0.04 / -0.00	5.00	+0.50 / -0.00	10.90

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions				Housing Dimensions				$
			d	D	h	H	D1	Tol.	h1	Tol.	
W040050070WO	40.00	+0.00 / -0.05	40.00	50.00	7.00	10.00	50.00	+0.04 / -0.00	7.00	+0.50 / -0.00	10.90
W040052070WO	40.00	+0.00 / -0.05	40.00	52.00	7.00	10.00	52.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.85
W040060070WO	40.00	+0.00 / -0.05	40.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.85
W042052050WO	42.00	+0.00 / -0.05	42.00	52.00	5.00	8.00	52.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W042052070WO	42.00	+0.00 / -0.05	42.00	52.00	7.00	10.00	52.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W045055050WO	45.00	+0.00 / -0.05	45.00	55.00	5.00	8.00	55.00	+0.05 / -0.00	5.00	+0.50 / -0.00	14.85
W045055070WO	45.00	+0.00 / -0.05	45.00	55.00	7.00	10.00	55.00	+0.05 / -0.00	7.00	+0.50 / -0.00	11.20
W045057070WO	45.00	+0.00 / -0.05	45.00	57.00	7.00	10.00	57.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.85
W045060070WO	45.00	+0.00 / -0.05	45.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	11.20
W047059070WO	47.00	+0.00 / -0.05	47.00	59.00	7.00	10.00	59.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.85
W048060070WO	48.00	+0.00 / -0.05	48.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.85
W048062070WO	48.00	+0.00 / -0.05	48.00	62.00	7.00	10.00	62.00	+0.05 / -0.00	7.00	+0.50 / -0.00	15.55
W050056050WO	50.00	+0.00 / -0.05	50.00	56.00	5.00	8.00	56.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W050060050WO	50.00	+0.00 / -0.05	50.00	60.00	5.00	8.00	60.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W050060070WO	50.00	+0.00 / -0.05	50.00	60.00	7.00	10.00	60.00	+0.05 / -0.00	7.00	+0.50 / -0.00	11.80
W050062050WO	50.00	+0.00 / -0.05	50.00	62.00	5.00	8.00	62.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W050062070WO	50.00	+0.00 / -0.05	50.00	62.00	7.00	10.00	62.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W052062070WO	52.00	+0.00 / -0.05	52.00	62.00	7.00	10.00	62.00	+0.05 / -0.00	7.00	+0.50 / -0.00	15.55
W053067080WO	53.00	+0.00 / -0.05	53.00	67.00	8.00	11.00	67.00	+0.05 / -0.00	8.00	+0.50 / -0.00	15.55
W055063070WO	55.00	+0.00 / -0.05	55.00	63.00	7.00	10.00	63.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W055065050WO	55.00	+0.00 / -0.05	55.00	65.00	5.00	8.00	65.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W055065070WO	55.00	+0.00 / -0.05	55.00	65.00	7.00	10.00	65.00	+0.05 / -0.00	7.00	+0.50 / -0.00	12.40
W055069080WO	55.00	+0.00 / -0.05	55.00	69.00	8.00	11.00	69.00	+0.05 / -0.00	8.00	+0.50 / -0.00	15.55
W056066050WO	56.00	+0.00 / -0.05	56.00	66.00	5.00	8.00	66.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W056066070WO	56.00	+0.00 / -0.05	56.00	66.00	7.00	10.00	66.00	+0.05 / -0.00	7.00	+0.50 / -0.00	13.00
W056070080WO	56.00	+0.00 / -0.05	56.00	70.00	8.00	11.00	70.00	+0.05 / -0.00	8.00	+0.50 / -0.00	15.55
W060070050WO	60.00	+0.00 / -0.05	60.00	70.00	5.00	8.00	70.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W060070070WO	60.00	+0.00 / -0.05	60.00	70.00	7.00	10.00	70.00	+0.05 / -0.00	7.00	+0.50 / -0.00	13.30
W060074050WO	60.00	+0.00 / -0.05	60.00	74.00	5.00	8.00	74.00	+0.05 / -0.00	5.00	+0.50 / -0.00	16.35
W060074080WO	60.00	+0.00 / -0.05	60.00	74.00	8.00	11.00	74.00	+0.05 / -0.00	8.00	+0.50 / -0.00	16.35
W060080070WO	60.00	+0.00 / -0.05	60.00	80.00	7.00	10.00	80.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W060080100WO	60.00	+0.00 / -0.05	60.00	80.00	10.00	13.00	80.00	+0.05 / -0.00	10.00	+0.50 / -0.00	O/R
W063073050WO	63.00	+0.00 / -0.05	63.00	73.00	5.00	8.00	73.00	+0.05 / -0.00	5.00	+0.50 / -0.00	16.35
W063075070WO	63.00	+0.00 / -0.05	63.00	75.00	7.00	10.00	75.00	+0.05 / -0.00	7.00	+0.50 / -0.00	13.90
W063077080WO	63.00	+0.00 / -0.05	63.00	77.00	8.00	11.00	77.00	+0.05 / -0.00	8.00	+0.50 / -0.00	16.35
W064078080WO	64.00	+0.00 / -0.06	64.00	78.00	8.00	11.00	78.00	+0.05 / -0.00	8.00	+0.50 / -0.00	16.35
W065075050WO	65.00	+0.00 / -0.06	65.00	75.00	5.00	8.00	75.00	+0.05 / -0.00	5.00	+0.50 / -0.00	O/R
W065075070WO	65.00	+0.00 / -0.06	65.00	75.00	7.00	10.00	75.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.25
W065079080WO	65.00	+0.00 / -0.06	65.00	79.00	8.00	11.00	79.00	+0.05 / -0.00	8.00	+0.50 / -0.00	16.35
W067081080WO	67.00	+0.00 / -0.06	67.00	81.00	8.00	11.00	81.00	+0.05 / -0.00	8.00	+0.50 / -0.00	16.35
W070080050WO	70.00	+0.00 / -0.06	70.00	80.00	5.00	8.00	80.00	+0.05 / -0.00	5.00	+0.50 / -0.00	16.35
W070080070WO	70.00	+0.00 / -0.06	70.00	80.00	7.00	10.00	80.00	+0.05 / -0.00	7.00	+0.50 / -0.00	14.85
W070084080WO	70.00	+0.00 / -0.06	70.00	84.00	8.00	11.00	84.00	+0.05 / -0.00	8.00	+0.50 / -0.00	17.20
W070086105WO	70.00	+0.00 / -0.06	70.00	86.00	10.50	13.50	86.00	+0.05 / -0.00	10.50	+0.50 / -0.00	O/R
W070090100WO	70.00	+0.00 / -0.06	70.00	90.00	10.00	13.00	90.00	+0.05 / -0.00	10.00	+0.50 / -0.00	O/R
W071085080WO	71.00	+0.00 / -0.06	71.00	85.00	8.00	11.00	85.00	+0.05 / -0.00	8.00	+0.50 / -0.00	17.20
W075083070WO	75.00	+0.00 / -0.06	75.00	83.00	7.00	10.00	83.00	+0.05 / -0.00	7.00	+0.50 / -0.00	17.20
W075085070WO	75.00	+0.00 / -0.06	75.00	85.00	7.00	10.00	85.00	+0.05 / -0.00	7.00	+0.50 / -0.00	15.70










M

WO SERIES - AU/STEEL

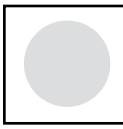
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	
W075089080WO	75.00	+0.00 / -0.06	75.00	89.00	8.00	11.00	89.00	+0.05 / -0.00	8.00	+0.50 / -0.00	14.70
W077087070WO	77.00	+0.00 / -0.09	77.00	87.00	7.00	10.00	87.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W080088070WO	80.00	+0.00 / -0.09	80.00	88.00	7.00	10.00	88.00	+0.05 / -0.00	7.00	+0.50 / -0.00	17.20
W080090070WO	80.00	+0.00 / -0.09	80.00	90.00	7.00	10.00	90.00	+0.05 / -0.00	7.00	+0.50 / -0.00	16.10
W080094080WO	80.00	+0.00 / -0.09	80.00	94.00	8.00	11.00	94.00	+0.05 / -0.00	8.00	+0.50 / -0.00	18.05
W080100120WO	80.00	+0.00 / -0.09	80.00	100.00	12.00	15.00	100.00	+0.05 / -0.00	12.00	+0.50 / -0.00	O/R
W082092070WO	82.00	+0.00 / -0.09	82.00	92.00	7.00	10.00	92.00	+0.05 / -0.00	7.00	+0.50 / -0.00	18.05
W085095070WO	85.00	+0.00 / -0.09	85.00	95.00	7.00	10.00	95.00	+0.05 / -0.00	7.00	+0.50 / -0.00	O/R
W085099080WO	85.00	+0.00 / -0.09	85.00	99.00	8.00	11.00	99.00	+0.05 / -0.00	8.00	+0.50 / -0.00	18.05
W090100070WO	90.00	+0.00 / -0.09	90.00	100.00	7.00	10.00	100.00	+0.05 / -0.00	7.00	+0.50 / -0.00	17.20
W090104080WO	90.00	+0.00 / -0.09	90.00	104.00	8.00	11.00	104.00	+0.05 / -0.00	8.00	+0.50 / -0.00	18.05
W090110080WO	90.00	+0.00 / -0.09	90.00	110.00	8.00	11.00	110.00	+0.05 / -0.00	8.00	+0.50 / -0.00	18.05
W090110100WO	90.00	+0.00 / -0.09	90.00	110.00	10.00	14.00	110.00	+0.05 / -0.00	10.00	+0.50 / -0.00	O/R
W092106080WO	92.00	+0.00 / -0.09	92.00	106.00	8.00	11.00	106.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W095105070WO	95.00	+0.00 / -0.09	95.00	105.00	7.00	10.00	105.00	+0.05 / -0.00	7.00	+0.50 / -0.00	23.75
W095109080WO	95.00	+0.00 / -0.09	95.00	109.00	8.00	11.00	109.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W100110070WO	100.00	+0.00 / -0.09	100.00	110.00	7.00	10.00	110.00	+0.05 / -0.00	7.00	+0.50 / -0.00	24.45
W100114080WO	100.00	+0.00 / -0.09	100.00	114.00	8.00	11.00	114.00	+0.05 / -0.00	8.00	+0.50 / -0.00	24.60
W100115080WO	100.00	+0.00 / -0.09	100.00	115.00	8.00	11.00	115.00	+0.05 / -0.00	8.00	+0.50 / -0.00	24.60
W100120100WO	100.00	+0.00 / -0.09	100.00	120.00	10.00	13.00	120.00	+0.05 / -0.00	10.00	+0.50 / -0.00	O/R
W105115070WO	105.00	+0.00 / -0.13	105.00	115.00	7.00	10.00	115.00	+0.05 / -0.00	7.00	+0.50 / -0.00	24.60
W105121090WO	105.00	+0.00 / -0.13	105.00	121.00	9.00	12.00	121.00	+0.06 / -0.00	9.00	+0.50 / -0.00	25.40
W106122090WO	106.00	+0.00 / -0.13	106.00	122.00	9.00	12.00	122.00	+0.06 / -0.00	9.00	+0.50 / -0.00	25.70
W108125090WO	108.00	+0.00 / -0.13	108.00	125.00	9.00	12.00	125.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W110120070WO	110.00	+0.00 / -0.13	110.00	120.00	7.00	10.00	120.00	+0.06 / -0.00	7.00	+0.50 / -0.00	25.70
W110126090WO	110.00	+0.00 / -0.13	110.00	126.00	9.00	12.00	126.00	+0.06 / -0.00	9.00	+0.50 / -0.00	25.40
W112128060WO	112.00	+0.00 / -0.13	112.00	128.00	6.00	8.00	128.00	+0.06 / -0.00	6.00	+0.50 / -0.00	O/R
W112128090WO	112.00	+0.00 / -0.13	112.00	128.00	9.00	12.00	128.00	+0.06 / -0.00	9.00	+0.50 / -0.00	30.90
W115125070WO	115.00	+0.00 / -0.13	115.00	125.00	7.00	10.00	125.00	+0.06 / -0.00	7.00	+0.50 / -0.00	25.40
W115129080WO	115.00	+0.00 / -0.13	115.00	129.00	8.00	11.00	129.00	+0.06 / -0.00	8.00	+0.50 / -0.00	O/R
W115131090WO	115.00	+0.00 / -0.13	115.00	131.00	9.00	12.00	131.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W118134090WO	118.00	+0.00 / -0.13	118.00	134.00	9.00	12.00	134.00	+0.06 / -0.00	9.00	+0.50 / -0.00	25.80
W120130070WO	120.00	+0.00 / -0.13	120.00	130.00	7.00	10.00	130.00	+0.06 / -0.00	7.00	+0.50 / -0.00	25.80
W120136090WO	120.00	+0.00 / -0.13	120.00	136.00	9.00	12.00	136.00	+0.06 / -0.00	9.00	+0.50 / -0.00	25.80
W120160170WO	120.70	+0.00 / -0.13	120.70	160.00	17.00	20.00	160.00	+0.06 / -0.00	17.00	+0.50 / -0.00	O/R
W125140090WO	125.00	+0.00 / -0.13	125.00	140.00	9.00	12.00	140.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.95
W125141090WO	125.00	+0.00 / -0.13	125.00	141.00	9.00	12.00	141.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.95
W130145090WO	130.00	+0.00 / -0.13	130.00	145.00	9.00	12.00	145.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.95
W130146090WO	130.00	+0.00 / -0.13	130.00	146.00	9.00	12.00	146.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.95
W130146060WO	130.00	+0.00 / -0.13	130.00	146.00	6.00	9.00	146.00	+0.06 / -0.00	6.00	+0.50 / -0.00	O/R
W132148090WO	132.00	+0.00 / -0.13	132.00	148.00	9.00	12.00	148.00	+0.06 / -0.00	9.00	+0.50 / -0.00	26.95
W135155100WO	135.00	+0.00 / -0.13	135.00	155.00	10.00	14.00	155.00	+0.06 / -0.00	10.00	+0.50 / -0.00	27.75
W140155090WO	140.00	+0.00 / -0.13	140.00	155.00	9.00	12.00	155.00	+0.06 / -0.00	9.00	+0.50 / -0.00	27.75
W140160100WO	140.00	+0.00 / -0.13	140.00	160.00	10.00	14.00	160.00	+0.06 / -0.00	10.00	+0.50 / -0.00	O/R
W145165100WO	145.00	+0.00 / -0.13	145.00	165.00	10.00	14.00	165.00	+0.06 / -0.00	10.00	+0.50 / -0.00	37.50
W150165090WO	150.00	+0.00 / -0.13	150.00	165.00	9.00	12.00	165.00	+0.06 / -0.00	9.00	+0.50 / -0.00	37.50
W150170100WO	150.00	+0.00 / -0.13	150.00	170.00	10.00	14.00	170.00	+0.06 / -0.00	10.00	+0.50 / -0.00	37.50
W155175060WO	155.00	+0.00 / -0.13	155.00	175.00	6.00	10.00	175.00	+0.06 / -0.00	6.00	+0.50 / -0.00	O/R

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions				Housing Dimensions				$
			d	D	h	H	D1	Tol.	h1	Tol.	
W155175100WO	155.00	+0.00 / -0.13	155.00	175.00	10.00	14.00	175.00	+0.06 / -0.00	10.00	+0.50 / -0.00	O/R
W157177100WO	157.00	+0.00 / -0.13	157.00	177.00	10.00	14.00	177.00	+0.06 / -0.00	10.00	+0.50 / -0.00	O/R
W160175090WO	160.00	+0.00 / -0.13	160.00	175.00	9.00	12.00	175.00	+0.06 / -0.00	9.00	+0.50 / -0.00	48.60
W160180100WO	160.00	+0.00 / -0.13	160.00	180.00	10.00	14.00	180.00	+0.06 / -0.00	10.00	+0.50 / -0.00	46.75
W165185100WO	165.00	+0.00 / -0.13	165.00	185.00	10.00	14.00	185.00	+0.07 / -0.00	10.00	+0.50 / -0.00	48.60
W170190100WO	170.00	+0.00 / -0.13	170.00	190.00	10.00	14.00	190.00	+0.07 / -0.00	10.00	+0.50 / -0.00	56.45
W175195100WO	175.00	+0.00 / -0.13	175.00	195.00	10.00	14.00	195.00	+0.07 / -0.00	10.00	+0.50 / -0.00	56.45
W180195100WO	180.00	+0.00 / -0.13	180.00	195.00	10.00	14.00	195.00	+0.07 / -0.00	10.00	+0.50 / -0.00	56.45
W180205120WO	180.00	+0.00 / -0.13	180.00	205.00	12.00	17.00	205.00	+0.07 / -0.00	12.00	+0.50 / -0.00	82.05
W185210120WO	185.00	+0.00 / -0.13	185.00	210.00	12.00	17.00	210.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W190215120WO	190.00	+0.00 / -0.13	190.00	215.00	12.00	17.00	215.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W195220120WO	195.00	+0.00 / -0.13	195.00	220.00	12.00	17.00	220.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W200220120WO	200.00	+0.00 / -0.13	200.00	220.00	12.00	16.00	220.00	+0.07 / -0.00	12.00	+0.50 / -0.00	93.85
W200225120WO	200.00	+0.00 / -0.13	200.00	225.00	12.00	17.00	225.00	+0.07 / -0.00	12.00	+0.50 / -0.00	93.85
W210235120WO	210.00	+0.00 / -0.13	210.00	235.00	12.00	17.00	235.00	+0.07 / -0.00	12.00	+0.50 / -0.00	96.85
W212237120WO	212.00	+0.00 / -0.13	212.00	237.00	12.00	17.00	237.00	+0.07 / -0.00	12.00	+0.50 / -0.00	96.85
W215240120WO	215.00	+0.00 / -0.13	215.00	240.00	12.00	17.00	240.00	+0.07 / -0.00	12.00	+0.50 / -0.00	O/R
W220245120WO	220.00	+0.00 / -0.13	220.00	245.00	12.00	17.00	245.00	+0.07 / -0.00	12.00	+0.50 / -0.00	120.25
W224249120WO	224.00	+0.00 / -0.13	224.00	249.00	12.00	17.00	249.00	+0.07 / -0.00	12.00	+0.50 / -0.00	120.25
W225250120WO	225.00	+0.00 / -0.13	225.00	250.00	12.00	17.00	250.00	+0.07 / -0.00	12.00	+0.50 / -0.00	120.25
W230255120WO	230.00	+0.00 / -0.13	230.00	255.00	12.00	16.00	255.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W236261120WO	236.00	+0.00 / -0.13	236.00	261.00	12.00	17.00	261.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W240265120WO	240.00	+0.00 / -0.13	240.00	265.00	12.00	17.00	265.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W245270120WO	245.00	+0.00 / -0.13	245.00	270.00	12.00	17.00	270.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W250275120WO	250.00	+0.00 / -0.13	250.00	275.00	12.00	17.00	275.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W260280100WO	260.00	+0.00 / -0.13	260.00	280.00	10.00	14.00	280.00	+0.08 / -0.00	10.00	+0.50 / -0.00	O/R
W260285120WO	260.00	+0.00 / -0.13	260.00	285.00	12.00	17.00	285.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W265290120WO	265.00	+0.00 / -0.13	265.00	290.00	12.00	17.00	290.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W270295120WO	270.00	+0.00 / -0.13	270.00	295.00	12.00	16.00	295.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W280300120WO	280.00	+0.00 / -0.13	280.00	300.00	12.00	16.00	300.00	+0.08 / -0.00	12.00	+0.50 / -0.00	O/R
W280310160WO	280.00	+0.00 / -0.13	280.00	310.00	16.00	17.00	310.00	+0.08 / -0.00	16.00	+0.50 / -0.00	O/R
W290320160WO	290.00	+0.00 / -0.13	290.00	320.00	16.00	22.00	320.00	+0.09 / -0.00	16.00	+0.50 / -0.00	O/R
W300330160WO	300.00	+0.00 / -0.13	300.00	330.00	16.00	17.00	330.00	+0.09 / -0.00	16.00	+0.50 / -0.00	O/R







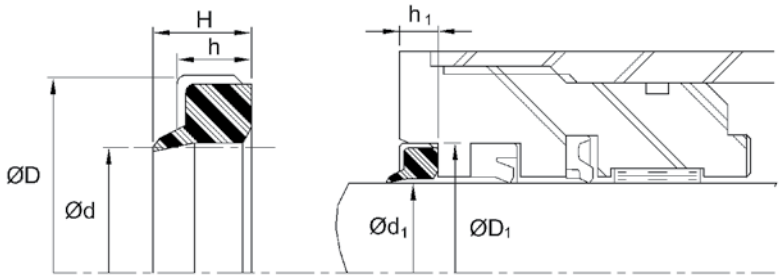



WO SERIES - CAT X-REF - AU/STEEL

WO - Rod Wipers

Polyurethane/Steel





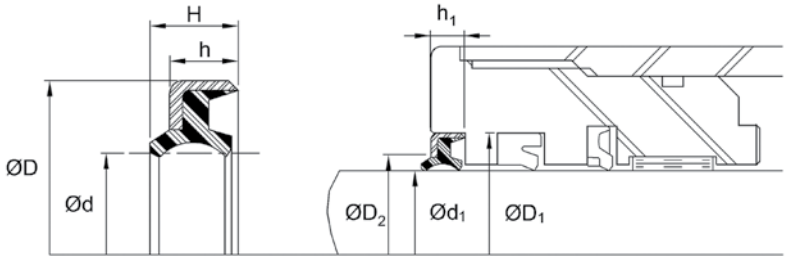
Temperature: -31/212F [-35/100C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.	
RCAT-1402392	35.00	+0.00 / -0.05	35.00				45.15	+0.05 / -0.00	10.00	+0.50 / -0.50	14.45
RCAT-0940723	90.00	+0.00 / -0.09	90.00				104.00	+0.05 / -0.00	13.50	+0.50 / -0.50	37.25
RCAT-0944057	100.00	+0.00 / -0.09	100.00				114.00	+0.05 / -0.00	13.50	+0.50 / -0.50	39.20
RCAT-1140705	105.00	+0.00 / -0.13	105.00				121.00	+0.05 / -0.00	15.00	+0.50 / -0.50	40.05

WR - Rod Wipers

Polyurethane/Steel
Nitrile/Steel





AU Temperature: -31/212F [-35/100C] **Pressure: N/A**
NBR Temperature: -40/212F [-40/100C] **Pressure: N/A**

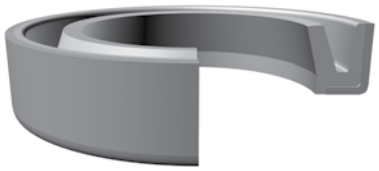
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions				$ AU	$ NBR /N
		Tol.	d	D	h	H	D1	Tol.	h1	Tol.		
W018030060WR	18.00	+0.00 / -0.04	18.00	30.00	6.00	9.00	30.00	+0.03 / -0.00	6.30	+0.50 / -0.00	16.25	O/R
W020032060WR	20.00	+0.00 / -0.04	20.00	32.00	6.00	9.00	32.00	+0.04 / -0.00	6.30	+0.50 / -0.00	12.50	12.50
W022034060WR	22.00	+0.00 / -0.04	22.00	34.00	6.00	9.00	34.00	+0.04 / -0.00	6.30	+0.50 / -0.00	13.50	13.50
W025037060WR	25.00	+0.00 / -0.04	25.00	37.00	6.00	9.00	37.00	+0.04 / -0.00	6.30	+0.50 / -0.00	14.30	14.00
W030042060WR	30.00	+0.00 / -0.04	30.00	42.00	6.00	9.00	42.00	+0.04 / -0.00	6.30	+0.50 / -0.00	14.85	14.65
W030047070WR	30.00	+0.00 / -0.04	30.00	47.00	7.00	10.00	47.00	+0.04 / -0.00	7.30	+0.50 / -0.00	O/R	14.85
W034046070WR	34.00	+0.00 / -0.04	34.00	46.00	7.00	10.00	46.00	+0.04 / -0.00	7.30	+0.50 / -0.00	O/R	O/R
W035045070WR	35.00	+0.00 / -0.04	35.00	45.00	7.00	10.00	45.00	+0.04 / -0.00	7.30	+0.50 / -0.00	O/R	15.00
W035047070WR	35.00	+0.00 / -0.04	35.00	47.00	7.00	10.00	47.00	+0.04 / -0.00	7.30	+0.50 / -0.00	15.80	15.55
W038050070WR	38.00	+0.00 / -0.04	38.00	50.00	7.00	10.00	50.00	+0.04 / -0.00	7.30	+0.50 / -0.00	O/R	O/R

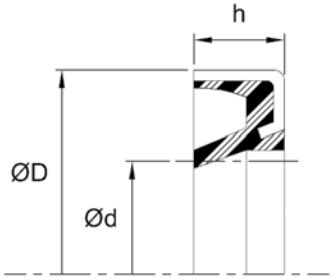
All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

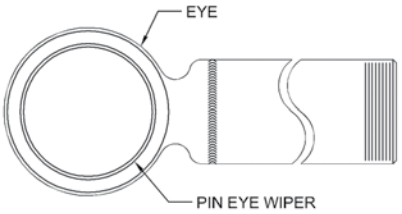
Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions				Housing Dimensions				$ AU	$ NBR /N
			d	D	h	H	D1	Tol.	h1	Tol.		
W040052070WR	40.00	+0.00 / -0.05	40.00	52.00	7.00	10.00	52.00	+0.05 / -0.00	7.30	+0.50 / -0.00	16.85	16.40
W045057070WR	45.00	+0.00 / -0.05	45.00	57.00	7.00	10.00	57.00	+0.05 / -0.00	7.30	+0.50 / -0.00	17.55	17.25
W050062070WR	50.00	+0.00 / -0.05	50.00	62.00	7.00	10.00	62.00	+0.05 / -0.00	7.30	+0.50 / -0.00	18.45	17.55
W055069080WR	55.00	+0.00 / -0.05	55.00	69.00	8.00	11.00	69.00	+0.05 / -0.00	8.40	+0.50 / -0.00	20.30	19.05
W060074080WR	60.00	+0.00 / -0.05	60.00	74.00	8.00	11.00	74.00	+0.05 / -0.00	8.40	+0.50 / -0.00	21.85	20.60
W065079080WR	65.00	+0.00 / -0.06	65.00	79.00	8.00	11.00	79.00	+0.05 / -0.00	8.40	+0.50 / -0.00	22.45	21.20
W070084080WR	70.00	+0.00 / -0.06	70.00	84.00	8.00	11.00	84.00	+0.05 / -0.00	8.40	+0.50 / -0.00	23.80	22.30
W075089080WR	75.00	+0.00 / -0.06	75.00	89.00	8.00	11.00	89.00	+0.05 / -0.00	8.40	+0.50 / -0.00	24.80	22.90
W080094080WR	80.00	+0.00 / -0.09	80.00	94.00	8.00	11.00	94.00	+0.05 / -0.00	8.40	+0.50 / -0.00	26.30	25.25
W085099080WR	85.00	+0.00 / -0.09	85.00	99.00	8.00	11.00	99.00	+0.05 / -0.00	8.40	+0.50 / -0.00	27.45	25.25
W090104080WR	90.00	+0.00 / -0.09	90.00	104.00	8.00	11.00	104.00	+0.05 / -0.00	8.40	+0.50 / -0.00	28.45	26.40
W095109080WR	95.00	+0.00 / -0.09	95.00	109.00	8.00	11.00	109.00	+0.05 / -0.00	8.40	+0.50 / -0.00	30.80	28.50
W100114080WR	100.00	+0.00 / -0.09	100.00	114.00	8.00	11.00	114.00	+0.05 / -0.00	8.40	+0.50 / -0.00	31.95	29.35
W105121090WR	105.00	+0.00 / -0.13	105.00	121.00	9.00	12.00	121.00	+0.06 / -0.00	9.40	+0.50 / -0.00	35.90	32.95
W110126090WR	110.00	+0.00 / -0.13	110.00	126.00	9.00	12.00	126.00	+0.06 / -0.00	9.40	+0.50 / -0.00	39.15	35.80
W115131090WR	115.00	+0.00 / -0.13	115.00	131.00	9.00	12.00	131.00	+0.06 / -0.00	9.40	+0.50 / -0.00	44.35	40.25
W120136090WR	120.00	+0.00 / -0.13	120.00	136.00	9.00	12.00	136.00	+0.06 / -0.00	9.40	+0.50 / -0.00	45.20	40.65
W125141090WR	125.00	+0.00 / -0.13	125.00	141.00	9.00	12.00	141.00	+0.06 / -0.00	9.40	+0.50 / -0.00	49.90	44.95
W130146090WR	130.00	+0.00 / -0.13	130.00	146.00	9.00	12.00	146.00	+0.06 / -0.00	9.40	+0.50 / -0.00	50.85	46.10
W135155100WR	135.00	+0.00 / -0.13	135.00	155.00	10.00	14.00	155.00	+0.06 / -0.00	10.40	+0.50 / -0.00	61.60	54.80
W140160100WR	140.00	+0.00 / -0.13	140.00	160.00	10.00	14.00	160.00	+0.06 / -0.00	10.40	+0.50 / -0.00	68.60	60.95
W145165100WR	145.00	+0.00 / -0.13	145.00	165.00	10.00	14.00	165.00	+0.06 / -0.00	10.40	+0.50 / -0.00	72.10	64.05
W150170100WR	150.00	+0.00 / -0.13	150.00	170.00	10.00	14.00	170.00	+0.06 / -0.00	10.40	+0.50 / -0.00	84.00	74.90
W155175100WR	155.00	+0.00 / -0.13	155.00	175.00	10.00	14.00	175.00	+0.06 / -0.00	10.40	+0.50 / -0.00	85.50	75.90
W160180100WR	160.00	+0.00 / -0.13	160.00	180.00	10.00	14.00	180.00	+0.06 / -0.00	10.40	+0.50 / -0.00	99.65	88.55
W165185100WR	165.00	+0.00 / -0.13	165.00	185.00	10.00	14.00	185.00	+0.07 / -0.00	10.40	+0.50 / -0.00	105.40	93.65
W170190100WR	170.00	+0.00 / -0.13	170.00	190.00	10.00	14.00	190.00	+0.07 / -0.00	10.40	+0.50 / -0.00	113.10	100.50
W175195100WR	175.00	+0.00 / -0.13	175.00	195.00	10.00	14.00	195.00	+0.07 / -0.00	10.40	+0.50 / -0.00	118.80	105.65
W180205100WR	180.00	+0.00 / -0.13	180.00	205.00	10.00	14.00	205.00	+0.07 / -0.00	10.40	+0.50 / -0.00	149.65	O/R
W180205120WR	180.00	+0.00 / -0.13	180.00	205.00	12.00	16.00	205.00	+0.07 / -0.00	12.40	+0.50 / -0.00	O/R	125.70
W190205090WR	190.00	+0.00 / -0.13	190.00	205.00	9.00	12.00	205.00	+0.07 / -0.00	9.40	+0.50 / -0.00	O/R	O/R
W200216080WR	200.00	+0.00 / -0.13	200.00	216.00	8.00	11.00	216.00	+0.07 / -0.00	8.40	+0.50 / -0.00	O/R	O/R

WS - Pin Wipers

Polyurethane/Steel







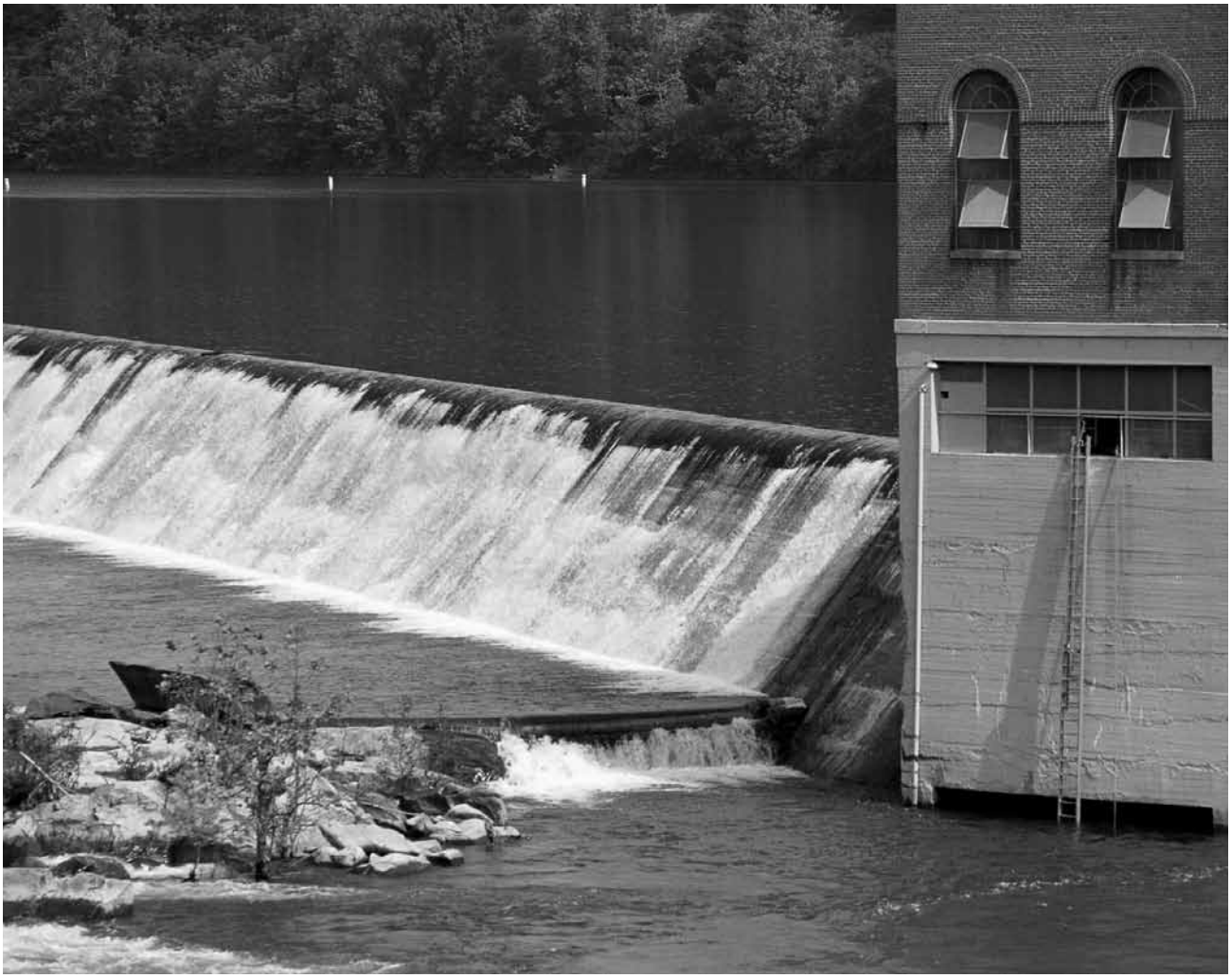
Temperature: -31/212F [-35/100C] **Pressure: N/A**

Ref.Number	Pin diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	d	D	h	D1	Tol.	h1	Tol.	
W016024028WS	16.00	+0.00 / -0.04	16.00	24.00	2.80	24.00	+0.03 / -0.00	3.10	+0.50 / -0.00	9.55
W020028026WS	20.00	+0.00 / -0.04	20.00	28.00	2.60	28.00	+0.03 / -0.00	2.90	+0.50 / -0.00	9.75
W025035040WS	25.00	+0.00 / -0.04	25.00	35.00	4.00	35.00	+0.04 / -0.00	4.30	+0.50 / -0.00	10.45
W025037040WS	25.00	+0.00 / -0.04	25.00	37.00	4.00	37.00	+0.04 / -0.00	4.30	+0.50 / -0.00	10.45
W030040040WS	30.00	+0.00 / -0.04	30.00	40.00	4.00	40.00	+0.04 / -0.00	4.30	+0.50 / -0.00	10.75
W035045040WS	35.00	+0.00 / -0.04	35.00	45.00	4.00	45.00	+0.04 / -0.00	4.30	+0.50 / -0.00	11.25
W035045050WS	35.00	+0.00 / -0.04	35.00	45.00	5.00	45.00	+0.04 / -0.00	5.30	+0.50 / -0.00	11.50
W038057095WS	38.00	+0.00 / -0.04	38.00	57.00	9.50	57.00	+0.04 / -0.00	9.80	+0.50 / -0.00	12.85
W040048038WS	40.00	+0.00 / -0.05	40.00	48.00	3.80	48.00	+0.04 / -0.00	4.10	+0.50 / -0.00	15.75
W040050031WS	40.00	+0.00 / -0.05	40.00	50.00	3.18	50.00	+0.04 / -0.00	3.48	+0.50 / -0.00	11.25
W040050040WS	40.00	+0.00 / -0.05	40.00	50.00	4.00	50.00	+0.04 / -0.00	4.30	+0.50 / -0.00	11.50
W040055050WS	40.00	+0.00 / -0.05	40.00	55.00	5.00	55.00	+0.05 / -0.00	5.30	+0.50 / -0.00	12.85
W040060050WS	40.00	+0.00 / -0.05	40.00	60.00	5.00	60.00	+0.05 / -0.00	5.30	+0.50 / -0.00	13.20
W045052050WS	45.00	+0.00 / -0.05	45.00	52.00	5.00	52.00	+0.05 / -0.00	5.30	+0.50 / -0.00	11.60
W045055031WS	45.00	+0.00 / -0.05	45.00	55.00	3.18	55.00	+0.05 / -0.00	3.48	+0.50 / -0.00	14.35
W045055040WS	45.00	+0.00 / -0.05	45.00	55.00	4.00	55.00	+0.05 / -0.00	4.30	+0.50 / -0.00	11.95
W045055045WS	45.00	+0.00 / -0.05	45.00	55.00	4.50	55.00	+0.05 / -0.00	4.80	+0.50 / -0.00	12.40
W045055060WS	45.00	+0.00 / -0.05	45.00	55.00	6.00	55.00	+0.05 / -0.00	6.30	+0.50 / -0.00	12.65
W045060050WS	45.00	+0.00 / -0.05	45.00	60.00	5.00	60.00	+0.05 / -0.00	5.30	+0.50 / -0.00	13.85
W050060040WS	50.00	+0.00 / -0.05	50.00	60.00	4.00	60.00	+0.05 / -0.00	4.30	+0.50 / -0.00	13.85
W050060050WS	50.00	+0.00 / -0.05	50.00	60.00	5.00	60.00	+0.05 / -0.00	5.30	+0.50 / -0.00	13.85
W050060060WS	50.00	+0.00 / -0.05	50.00	60.00	6.00	60.00	+0.05 / -0.00	6.30	+0.50 / -0.00	14.00
W050063080WS	50.00	+0.00 / -0.05	50.00	63.00	8.00	63.00	+0.05 / -0.00	8.30	+0.50 / -0.00	15.50
W050065050WS	50.00	+0.00 / -0.05	50.00	65.00	5.00	65.00	+0.05 / -0.00	5.30	+0.50 / -0.00	15.40
W050065060WS	50.00	+0.00 / -0.05	50.00	65.00	6.00	65.00	+0.05 / -0.00	6.30	+0.50 / -0.00	15.75
W050065075WS	50.00	+0.00 / -0.05	50.00	65.00	7.50	65.00	+0.05 / -0.00	7.80	+0.50 / -0.00	16.55
W055065031WS	55.00	+0.00 / -0.05	55.00	65.00	3.18	65.00	+0.05 / -0.00	3.48	+0.50 / -0.00	14.35
W055065040WS	55.00	+0.00 / -0.05	55.00	65.00	4.00	65.00	+0.05 / -0.00	4.30	+0.50 / -0.00	14.60
W055068040WS	55.00	+0.00 / -0.05	55.00	68.00	4.00	68.00	+0.05 / -0.00	4.30	+0.50 / -0.00	15.15
W055070040WS	55.00	+0.00 / -0.05	55.00	70.00	4.00	70.00	+0.05 / -0.00	4.30	+0.50 / -0.00	15.40
W055070050WS	55.00	+0.00 / -0.05	55.00	70.00	5.00	70.00	+0.05 / -0.00	5.30	+0.50 / -0.00	15.75
W055070060WS	55.00	+0.00 / -0.05	55.00	70.00	6.00	70.00	+0.05 / -0.00	6.30	+0.50 / -0.00	16.55
W055070075WS	55.00	+0.00 / -0.05	55.00	70.00	7.50	70.00	+0.05 / -0.00	7.80	+0.50 / -0.00	16.30
W056070075WS	56.00	+0.00 / -0.05	56.00	70.00	7.50	70.00	+0.05 / -0.00	7.80	+0.50 / -0.00	16.55
W058068090WS	58.00	+0.00 / -0.05	58.00	68.00	9.00	68.00	+0.05 / -0.00	9.30	+0.50 / -0.00	15.15
W060073080WS	60.00	+0.00 / -0.05	60.00	73.00	8.00	73.00	+0.05 / -0.00	8.40	+0.50 / -0.00	17.20
W060075040WS	60.00	+0.00 / -0.05	60.00	75.00	4.00	75.00	+0.05 / -0.00	4.30	+0.50 / -0.00	15.50
W060075050WS	60.00	+0.00 / -0.05	60.00	75.00	5.00	75.00	+0.05 / -0.00	5.30	+0.50 / -0.00	15.75

Ref.Number	Pin diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	d	D	h	D1	Tol.	h1	Tol.	
W060075060WS	60.00	+0.00 / -0.05	60.00	75.00	6.00	75.00	+0.05 / -0.00	6.30	+0.50 / -0.00	16.30
W060075075WS	60.00	+0.00 / -0.05	60.00	75.00	7.50	75.00	+0.05 / -0.00	7.80	+0.50 / -0.00	16.95
W060075080WS	60.00	+0.00 / -0.05	60.00	75.00	8.00	75.00	+0.05 / -0.00	8.40	+0.50 / -0.00	17.30
W060090120WS	60.00	+0.00 / -0.05	60.00	90.00	12.00	90.00	+0.05 / -0.00	12.40	+0.50 / -0.00	18.45
W063077080WS	63.00	+0.00 / -0.06	63.00	77.00	8.00	77.00	+0.05 / -0.00	8.40	+0.50 / -0.00	17.30
W063078075WS	63.00	+0.00 / -0.06	63.00	78.00	7.50	78.00	+0.05 / -0.00	7.80	+0.50 / -0.00	17.45
W063080050WS	63.00	+0.00 / -0.06	63.00	80.00	5.00	80.00	+0.05 / -0.00	5.30	+0.50 / -0.00	16.65
W065080050WS	65.00	+0.00 / -0.06	65.00	80.00	5.00	80.00	+0.05 / -0.00	5.30	+0.50 / -0.00	18.75
W065080080WS	65.00	+0.00 / -0.06	65.00	80.00	8.00	80.00	+0.05 / -0.00	8.40	+0.50 / -0.00	18.00
W070080090WS	70.00	+0.00 / -0.06	70.00	80.00	9.00	80.00	+0.05 / -0.00	9.30	+0.50 / -0.00	16.95
W070083080WS	70.00	+0.00 / -0.06	70.00	83.00	8.00	83.00	+0.05 / -0.00	8.40	+0.50 / -0.00	18.10
W070085050WS	70.00	+0.00 / -0.06	70.00	85.00	5.00	85.00	+0.05 / -0.00	5.30	+0.50 / -0.00	17.45
W070085075WS	70.00	+0.00 / -0.06	70.00	85.00	7.50	85.00	+0.05 / -0.00	7.80	+0.50 / -0.00	18.45
W070085080WS	70.00	+0.00 / -0.06	70.00	85.00	8.00	85.00	+0.05 / -0.00	8.40	+0.50 / -0.00	17.45
W070090050WS	70.00	+0.00 / -0.06	70.00	90.00	5.00	90.00	+0.05 / -0.00	5.30	+0.50 / -0.00	18.10
W071086050WS	71.00	+0.00 / -0.06	71.00	86.00	5.00	86.00	+0.05 / -0.00	5.30	+0.50 / -0.00	18.45
W075090060WS	75.00	+0.00 / -0.06	75.00	90.00	6.00	90.00	+0.05 / -0.00	6.30	+0.50 / -0.00	19.25
W075090080WS	75.00	+0.00 / -0.06	75.00	90.00	8.00	90.00	+0.05 / -0.00	8.40	+0.50 / -0.00	18.75
W080090045WS	80.00	+0.00 / -0.09	80.00	90.00	4.50	90.00	+0.05 / -0.00	4.80	+0.50 / -0.00	16.65
W080090050WS	80.00	+0.00 / -0.09	80.00	90.00	5.00	90.00	+0.05 / -0.00	5.30	+0.50 / -0.00	16.65
W080093080WS	80.00	+0.00 / -0.09	80.00	93.00	8.00	93.00	+0.05 / -0.00	8.40	+0.50 / -0.00	19.40
W080095050WS	80.00	+0.00 / -0.09	80.00	95.00	5.00	95.00	+0.05 / -0.00	5.30	+0.50 / -0.00	19.75
W080095060WS	80.00	+0.00 / -0.09	80.00	95.00	6.00	95.00	+0.05 / -0.00	6.30	+0.50 / -0.00	19.00
W080095080WS	80.00	+0.00 / -0.09	80.00	95.00	8.00	95.00	+0.05 / -0.00	8.40	+0.50 / -0.00	20.15
W080100060WS	80.00	+0.00 / -0.09	80.00	100.00	6.00	100.00	+0.05 / -0.00	6.30	+0.50 / -0.00	20.55
W080100100WS	80.00	+0.00 / -0.09	80.00	100.00	10.00	100.00	+0.05 / -0.00	10.40	+0.50 / -0.00	25.80
W085100060WS	85.00	+0.00 / -0.09	85.00	100.00	6.00	100.00	+0.05 / -0.00	6.30	+0.50 / -0.00	21.30
W085100080WS	85.00	+0.00 / -0.09	85.00	100.00	8.00	100.00	+0.05 / -0.00	8.40	+0.50 / -0.00	22.85
W085100100WS	85.00	+0.00 / -0.09	85.00	100.00	10.00	100.00	+0.05 / -0.00	10.40	+0.50 / -0.00	24.00
W090105050WS	90.00	+0.00 / -0.09	90.00	105.00	5.00	105.00	+0.05 / -0.00	5.30	+0.50 / -0.00	21.90
W090105060WS	90.00	+0.00 / -0.09	90.00	105.00	6.00	105.00	+0.05 / -0.00	6.30	+0.50 / -0.00	22.70
W090105080WS	90.00	+0.00 / -0.09	90.00	105.00	8.00	105.00	+0.05 / -0.00	8.40	+0.50 / -0.00	25.45
W090110095WS	90.00	+0.00 / -0.09	90.00	110.00	9.50	110.00	+0.05 / -0.00	9.90	+0.50 / -0.00	27.50
W090110100WS	90.00	+0.00 / -0.09	90.00	110.00	10.00	110.00	+0.05 / -0.00	10.40	+0.50 / -0.00	28.10
W090130130WS	90.00	+0.00 / -0.09	90.00	130.00	13.00	130.00	+0.05 / -0.00	13.40	+0.50 / -0.00	32.10
W095110080WS	95.00	+0.00 / -0.09	95.00	110.00	8.00	110.00	+0.05 / -0.00	8.40	+0.50 / -0.00	46.70
W100115050WS	100.00	+0.00 / -0.09	100.00	115.00	5.00	115.00	+0.05 / -0.00	5.30	+0.50 / -0.00	26.25
W100115060WS	100.00	+0.00 / -0.09	100.00	115.00	6.00	115.00	+0.05 / -0.00	6.30	+0.50 / -0.00	22.85
W100115070WS	100.00	+0.00 / -0.09	100.00	115.00	7.00	115.00	+0.05 / -0.00	7.30	+0.50 / -0.00	26.25
W100115075WS	100.00	+0.00 / -0.09	100.00	115.00	7.50	115.00	+0.05 / -0.00	7.80	+0.50 / -0.00	28.10
W100120070WS	100.00	+0.00 / -0.09	100.00	120.00	7.00	120.00	+0.05 / -0.00	7.30	+0.50 / -0.00	30.05
W100120080WS	100.00	+0.00 / -0.09	100.00	120.00	8.00	120.00	+0.05 / -0.00	8.40	+0.50 / -0.00	31.75
W100120100WS	100.00	+0.00 / -0.09	100.00	120.00	10.00	120.00	+0.05 / -0.00	10.40	+0.50 / -0.00	31.75
W100125040WS	100.00	+0.00 / -0.09	100.00	125.00	4.00	125.00	+0.06 / -0.00	4.30	+0.50 / -0.00	32.25
W100125080WS	100.00	+0.00 / -0.09	100.00	125.00	8.00	125.00	+0.06 / -0.00	8.40	+0.50 / -0.00	30.05
W105120070WS	105.00	+0.00 / -0.13	105.00	120.00	7.00	120.00	+0.06 / -0.00	7.30	+0.50 / -0.00	29.80
W105120080WS	105.00	+0.00 / -0.13	105.00	120.00	8.00	120.00	+0.06 / -0.00	8.40	+0.50 / -0.00	30.85
W110125040WS	110.00	+0.00 / -0.13	110.00	125.00	4.00	125.00	+0.06 / -0.00	4.30	+0.50 / -0.00	30.85

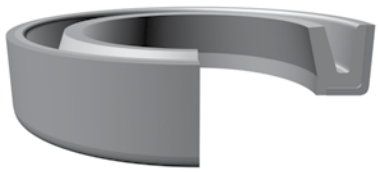
WS SERIES - AU/STEEL

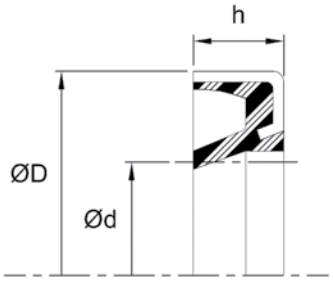
Ref.Number	Pin diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	d	D	h	D1	Tol.	h1	Tol.	
W110125070WS	110.00	+0.00 / -0.13	110.00	125.00	7.00	125.00	+0.06 / -0.00	7.30	+0.50 / -0.00	31.75
W110125080WS	110.00	+0.00 / -0.13	110.00	125.00	8.00	125.00	+0.06 / -0.00	8.40	+0.50 / -0.00	32.10
W110125090WS	110.00	+0.00 / -0.13	110.00	125.00	9.00	125.00	+0.06 / -0.00	9.40	+0.50 / -0.00	32.10
W110125095WS	110.00	+0.00 / -0.13	110.00	125.00	9.50	125.00	+0.06 / -0.00	9.90	+0.50 / -0.00	32.80
W110125100WS	110.00	+0.00 / -0.13	110.00	125.00	10.00	125.00	+0.06 / -0.00	10.40	+0.50 / -0.00	31.75
W110130100WS	110.00	+0.00 / -0.13	110.00	130.00	10.00	130.00	+0.06 / -0.00	10.40	+0.50 / -0.00	35.50
W110130150WS	110.00	+0.00 / -0.13	110.00	130.00	15.00	130.00	+0.06 / -0.00	15.40	+0.50 / -0.00	41.05
W110130160WS	110.00	+0.00 / -0.13	110.00	130.00	16.00	130.00	+0.06 / -0.00	16.40	+0.50 / -0.00	42.20
W120135080WS	120.00	+0.00 / -0.13	120.00	135.00	8.00	135.00	+0.06 / -0.00	8.40	+0.50 / -0.00	33.70
W120140080WS	120.00	+0.00 / -0.13	120.00	140.00	8.00	140.00	+0.06 / -0.00	8.40	+0.50 / -0.00	36.00
W120140100WS	120.00	+0.00 / -0.13	120.00	140.00	10.00	140.00	+0.06 / -0.00	10.40	+0.50 / -0.00	38.20
W125140080WS	125.00	+0.00 / -0.13	125.00	140.00	8.00	140.00	+0.06 / -0.00	8.40	+0.50 / -0.00	33.60
W125145100WS	125.00	+0.00 / -0.13	125.00	145.00	10.00	145.00	+0.06 / -0.00	10.40	+0.50 / -0.00	39.10
W140155080WS	140.00	+0.00 / -0.13	140.00	155.00	8.00	155.00	+0.06 / -0.00	8.40	+0.50 / -0.00	44.80
W140160100WS	140.00	+0.00 / -0.13	140.00	160.00	10.00	160.00	+0.06 / -0.00	10.40	+0.50 / -0.00	53.05
W190210100WS	190.00	+0.00 / -0.13	190.00	210.00	10.00	210.00	+0.07 / -0.00	10.40	+0.50 / -0.00	104.05

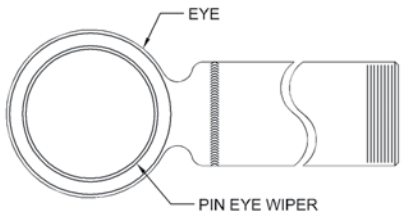


WS - Pin Wipers

Polyurethane/Steel



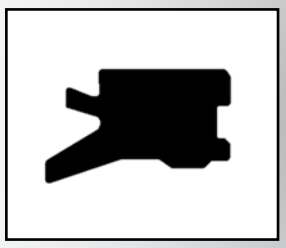


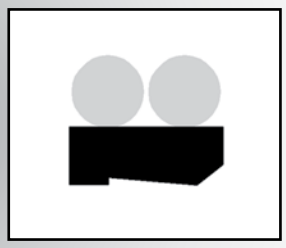


Temperature: -31/212F [-35/100C] **Pressure: N/A**

Ref.Number	Pin diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	d	D	h	D1	Tol.	h1	Tol.	
RCAT-1163392	55.00	+0.00 / -0.05	55.00			69.02	+0.05 / -0.00	8.35	+0.50 / -0.00	12.35
RCAT-1163391	60.00	+0.00 / -0.05	60.00			74.02	+0.05 / -0.00	8.35	+0.50 / -0.00	13.65
RCAT-1163390	65.00	+0.00 / -0.06	65.00			79.02	+0.05 / -0.00	8.35	+0.50 / -0.00	14.00
RCAT-1163389	70.00	+0.00 / -0.06	70.00			84.02	+0.05 / -0.00	8.35	+0.50 / -0.00	14.60
RCAT-1163388	75.00	+0.00 / -0.06	75.00			89.02	+0.05 / -0.00	8.35	+0.50 / -0.00	15.45
RCAT-1163387	80.00	+0.00 / -0.09	80.00			94.02	+0.05 / -0.00	8.35	+0.50 / -0.00	15.85
RCAT-1140644	85.00	+0.00 / -0.09	85.00			99.02	+0.05 / -0.00	8.35	+0.50 / -0.00	16.60
RCAT-1163386	90.00	+0.00 / -0.09	90.00			104.02	+0.05 / -0.00	8.35	+0.50 / -0.00	17.60
RCAT-1076254	100.00	+0.00 / -0.09	100.00			114.02	+0.05 / -0.00	8.35	+0.50 / -0.00	20.25
RCAT-1140646	100.00	+0.00 / -0.09	100.00			114.02	+0.05 / -0.00	8.35	+0.50 / -0.00	20.25
RCAT-1140647	105.00	+0.00 / -0.13	105.00			121.02	+0.06 / -0.00	9.50	+0.50 / -0.00	22.80
RCAT-1119957	110.00	+0.00 / -0.13	110.00			126.02	+0.06 / -0.00	9.35	+0.50 / -0.00	24.65
RCAT-1119958	130.00	+0.00 / -0.13	130.00			146.02	+0.06 / -0.00	9.35	+0.50 / -0.00	36.65
RCAT-1076615	140.00	+0.00 / -0.13	140.00			160.02	+0.06 / -0.00	10.35	+0.50 / -0.00	43.35
RCAT-1076616	150.00	+0.00 / -0.13	150.00			170.02	+0.06 / -0.00	10.35	+0.50 / -0.00	49.85

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

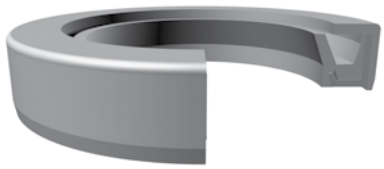


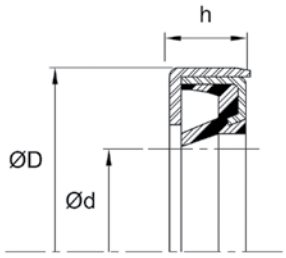


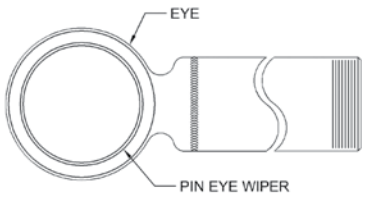
All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

WT - Pin Wipers

Polyurethane/Steel
Nitrile/Steel







AU Temperature: -31/212F [-35/100C] Pressure: N/A
NBR Temperature: -40/212F [-40/100C] Pressure: N/A

Ref.Number	Pin diameter	Tol.	Nominal Seal Dimensions d	D	h	Housing Dimensions D1	Tol.	h1	Tol.	$ AU	$ NBR /N
W025035040WT	25.00	+0.00 / -0.04	25.00	35.00	4.00	35.00	+0.04 / -0.00	4.30	+0.50 / -0.00	11.70	O/R
W025035060WT	25.00	+0.00 / -0.04	25.00	35.00	6.00	35.00	+0.04 / -0.00	6.30	+0.50 / -0.00	11.85	O/R
W028038060WT	28.00	+0.00 / -0.04	28.00	38.00	6.00	38.00	+0.04 / -0.00	6.30	+0.50 / -0.00	12.50	O/R
W030040040WT	30.00	+0.00 / -0.04	30.00	40.00	4.00	40.00	+0.04 / -0.00	4.30	+0.50 / -0.00	O/R	O/R
W035045040WT	35.00	+0.00 / -0.04	35.00	45.00	4.00	45.00	+0.04 / -0.00	4.30	+0.50 / -0.00	12.65	4.80
W035045050WT	35.00	+0.00 / -0.04	35.00	45.00	5.00	45.00	+0.04 / -0.00	5.30	+0.50 / -0.00	13.50	O/R
W035045060WT	35.00	+0.00 / -0.04	35.00	45.00	6.00	45.00	+0.04 / -0.00	6.30	+0.50 / -0.00	14.15	O/R
W038048040WT	38.00	+0.00 / -0.04	38.00	48.00	4.00	48.00	+0.04 / -0.00	4.30	+0.50 / -0.00	14.15	O/R
W040050040WT	40.00	+0.00 / -0.05	40.00	50.00	4.00	50.00	+0.04 / -0.00	4.30	+0.50 / -0.00	14.85	6.85
W040050060WT	40.00	+0.00 / -0.05	40.00	50.00	6.00	50.00	+0.04 / -0.00	6.30	+0.50 / -0.00	15.20	O/R
W045055040WT	45.00	+0.00 / -0.05	45.00	55.00	4.00	55.00	+0.05 / -0.00	4.30	+0.50 / -0.00	15.70	O/R
W045055060WT	45.00	+0.00 / -0.05	45.00	55.00	6.00	55.00	+0.05 / -0.00	6.30	+0.50 / -0.00	16.40	O/R
W045055040WT-1	45.50	+0.00 / -0.05	45.50	55.00	4.00	55.00	+0.05 / -0.00	4.30	+0.50 / -0.00	15.70	O/R
W050060040WT	50.00	+0.00 / -0.05	50.00	60.00	4.00	60.00	+0.05 / -0.00	4.30	+0.50 / -0.00	17.40	9.30
W050060050WT	50.00	+0.00 / -0.05	50.00	60.00	5.00	60.00	+0.05 / -0.00	5.30	+0.50 / -0.00	17.55	O/R
W050060060WT	50.00	+0.00 / -0.05	50.00	60.00	6.00	60.00	+0.05 / -0.00	6.30	+0.50 / -0.00	18.05	O/R
W050063080WT	50.00	+0.00 / -0.05	50.00	63.00	8.00	63.00	+0.05 / -0.00	8.40	+0.50 / -0.00	19.90	O/R
W050065040WT	50.00	+0.00 / -0.05	50.00	65.00	4.00	65.00	+0.05 / -0.00	4.30	+0.50 / -0.00	18.40	O/R
W050065060WT	50.00	+0.00 / -0.05	50.00	65.00	6.00	65.00	+0.05 / -0.00	6.30	+0.50 / -0.00	19.50	O/R
W055065040WT	55.00	+0.00 / -0.05	55.00	65.00	4.00	65.00	+0.05 / -0.00	4.30	+0.50 / -0.00	18.25	O/R
W055065060WT	55.00	+0.00 / -0.05	55.00	65.00	6.00	65.00	+0.05 / -0.00	6.30	+0.50 / -0.00	18.90	O/R
W055068040WT	55.00	+0.00 / -0.05	55.00	68.00	4.00	68.00	+0.05 / -0.00	4.30	+0.50 / -0.00	18.90	10.90
W055070040WT	55.00	+0.00 / -0.05	55.00	70.00	4.00	70.00	+0.05 / -0.00	4.30	+0.50 / -0.00	19.75	O/R
W055070060WT	55.00	+0.00 / -0.05	55.00	70.00	6.00	70.00	+0.05 / -0.00	6.30	+0.50 / -0.00	20.75	O/R
W055075060WT	55.00	+0.00 / -0.05	55.00	75.00	6.00	75.00	+0.05 / -0.00	6.30	+0.50 / -0.00	22.80	O/R
W060070060WT	60.00	+0.00 / -0.05	60.00	70.00	6.00	70.00	+0.05 / -0.00	6.30	+0.50 / -0.00	20.15	O/R
W060074080WT	60.00	+0.00 / -0.05	60.00	74.00	8.00	74.00	+0.05 / -0.00	8.40	+0.50 / -0.00	22.80	O/R
W060075040WT	60.00	+0.00 / -0.05	60.00	75.00	4.00	75.00	+0.05 / -0.00	4.30	+0.50 / -0.00	20.75	12.05
W060075050WT	60.00	+0.00 / -0.05	60.00	75.00	5.00	75.00	+0.05 / -0.00	5.30	+0.50 / -0.00	21.45	O/R
W060075060WT	60.00	+0.00 / -0.05	60.00	75.00	6.00	75.00	+0.05 / -0.00	6.30	+0.50 / -0.00	22.05	O/R
W060075080WT	60.00	+0.00 / -0.05	60.00	75.00	8.00	75.00	+0.05 / -0.00	8.40	+0.50 / -0.00	23.45	O/R
W065075040WT	65.00	+0.00 / -0.06	65.00	75.00	4.00	75.00	+0.05 / -0.00	4.30	+0.50 / -0.00	20.35	O/R
W065075050WT	65.00	+0.00 / -0.06	65.00	75.00	5.00	75.00	+0.05 / -0.00	5.30	+0.50 / -0.00	20.75	O/R
W065075060WT	65.00	+0.00 / -0.06	65.00	75.00	6.00	75.00	+0.05 / -0.00	6.30	+0.50 / -0.00	21.20	O/R
W065079080WT	65.00	+0.00 / -0.06	65.00	79.00	8.00	79.00	+0.05 / -0.00	8.40	+0.50 / -0.00	24.10	O/R
W065080040WT	65.00	+0.00 / -0.06	65.00	80.00	4.00	80.00	+0.05 / -0.00	4.30	+0.50 / -0.00	22.30	12.10
W065080060WT	65.00	+0.00 / -0.06	65.00	80.00	6.00	80.00	+0.05 / -0.00	6.30	+0.50 / -0.00	23.75	O/R
W065080080WT	65.00	+0.00 / -0.06	65.00	80.00	8.00	80.00	+0.05 / -0.00	8.40	+0.50 / -0.00	25.10	O/R

Ref.Number	Pin diameter		Nominal Seal Dimensions			Housing Dimensions				$ AU	$ NBR
		Tol.	d	D	h	D1	Tol.	h1	Tol.		/N
W065085050WT	65.00	+0.00 / -0.06	65.00	85.00	5.00	85.00	+0.05 / -0.00	5.30	+0.50 / -0.00	24.90	O/R
W065085060WT	65.00	+0.00 / -0.06	65.00	85.00	6.00	85.00	+0.05 / -0.00	6.30	+0.50 / -0.00	25.95	O/R
W068094040WT	68.00	+0.00 / -0.06	68.00	94.00	4.00	94.00	+0.05 / -0.00	4.30	+0.50 / -0.00	27.35	O/R
W070080060WT	70.00	+0.00 / -0.06	70.00	80.00	6.00	80.00	+0.05 / -0.00	6.30	+0.50 / -0.00	22.80	O/R
W070085040WT	70.00	+0.00 / -0.06	70.00	85.00	4.00	85.00	+0.05 / -0.00	4.30	+0.50 / -0.00	23.15	12.95
W070085060WT	70.00	+0.00 / -0.06	70.00	85.00	6.00	85.00	+0.05 / -0.00	6.30	+0.50 / -0.00	24.60	O/R
W070085080WT	70.00	+0.00 / -0.06	70.00	85.00	8.00	85.00	+0.05 / -0.00	8.40	+0.50 / -0.00	26.10	O/R
W070090050WT	70.00	+0.00 / -0.06	70.00	90.00	5.00	90.00	+0.05 / -0.00	5.30	+0.50 / -0.00	26.80	O/R
W070090095WT	70.00	+0.00 / -0.06	70.00	90.00	9.50	90.00	+0.05 / -0.00	9.90	+0.50 / -0.00	31.25	O/R
W075090040WT	75.00	+0.00 / -0.06	75.00	90.00	4.00	90.00	+0.05 / -0.00	4.30	+0.50 / -0.00	25.10	15.50
W075090050WT	75.00	+0.00 / -0.06	75.00	90.00	5.00	90.00	+0.05 / -0.00	5.30	+0.50 / -0.00	25.75	O/R
W075090080WT	75.00	+0.00 / -0.06	75.00	90.00	8.00	90.00	+0.05 / -0.00	8.40	+0.50 / -0.00	28.20	O/R
W075090095WT	75.00	+0.00 / -0.06	75.00	90.00	9.50	90.00	+0.05 / -0.00	9.90	+0.50 / -0.00	29.35	O/R
W075095040WT	75.00	+0.00 / -0.06	75.00	95.00	4.00	95.00	+0.05 / -0.00	4.30	+0.50 / -0.00	26.95	O/R
W075095070WT	75.00	+0.00 / -0.09	75.00	95.00	7.00	95.00	+0.05 / -0.00	7.30	+0.50 / -0.00	30.20	O/R
W075095095WT	75.00	+0.00 / -0.09	75.00	95.00	9.50	95.00	+0.05 / -0.00	9.90	+0.50 / -0.00	32.80	O/R
W080095040WT	80.00	+0.00 / -0.09	80.00	95.00	4.00	95.00	+0.05 / -0.00	4.30	+0.50 / -0.00	26.10	17.45
W080095060WT	80.00	+0.00 / -0.09	80.00	95.00	6.00	95.00	+0.05 / -0.00	6.30	+0.50 / -0.00	27.80	O/R
W080095070WT	80.00	+0.00 / -0.09	80.00	95.00	7.00	95.00	+0.05 / -0.00	7.30	+0.50 / -0.00	28.50	O/R
W080095080WT	80.00	+0.00 / -0.09	80.00	95.00	8.00	95.00	+0.05 / -0.00	8.40	+0.50 / -0.00	29.35	O/R
W080095100WT	80.00	+0.00 / -0.09	80.00	95.00	10.00	95.00	+0.05 / -0.00	10.40	+0.50 / -0.00	31.10	O/R
W080095110WT	80.00	+0.00 / -0.09	80.00	95.00	11.00	95.00	+0.05 / -0.00	11.40	+0.50 / -0.00	31.95	O/R
W080100060WT	80.00	+0.00 / -0.09	80.00	100.00	6.00	100.00	+0.05 / -0.00	6.30	+0.50 / -0.00	31.10	O/R
W080105100WT	80.00	+0.00 / -0.09	80.00	105.00	10.00	105.00	+0.05 / -0.00	10.40	+0.50 / -0.00	39.80	O/R
W085100040WT	85.00	+0.00 / -0.09	85.00	100.00	4.00	100.00	+0.05 / -0.00	4.30	+0.50 / -0.00	27.80	17.85
W085100050WT	85.00	+0.00 / -0.09	85.00	100.00	5.00	100.00	+0.05 / -0.00	5.30	+0.50 / -0.00	28.70	O/R
W085100080WT	85.00	+0.00 / -0.09	85.00	100.00	8.00	100.00	+0.05 / -0.00	8.40	+0.50 / -0.00	31.25	O/R
W085110040WT	85.00	+0.00 / -0.09	85.00	110.00	4.00	110.00	+0.05 / -0.00	4.30	+0.50 / -0.00	32.95	O/R
W090104040WT	90.00	+0.00 / -0.09	90.00	104.00	4.00	104.00	+0.05 / -0.00	4.30	+0.50 / -0.00	O/R	24.80
W090105040WT	90.00	+0.00 / -0.09	90.00	105.00	4.00	105.00	+0.05 / -0.00	4.30	+0.50 / -0.00	29.15	O/R
W090105060WT	90.00	+0.00 / -0.09	90.00	105.00	6.00	105.00	+0.05 / -0.00	6.30	+0.50 / -0.00	31.10	O/R
W090105075WT	90.00	+0.00 / -0.09	90.00	105.00	7.50	105.00	+0.05 / -0.00	7.80	+0.50 / -0.00	32.35	O/R
W090105080WT	90.00	+0.00 / -0.09	90.00	105.00	8.00	105.00	+0.05 / -0.00	8.40	+0.50 / -0.00	32.95	O/R
W090105110WT	90.00	+0.00 / -0.09	90.00	105.00	11.00	105.00	+0.05 / -0.00	11.40	+0.50 / -0.00	35.80	O/R
W090110060WT	90.00	+0.00 / -0.09	90.00	110.00	6.00	110.00	+0.05 / -0.00	6.30	+0.50 / -0.00	34.65	O/R
W090110080WT	90.00	+0.00 / -0.09	90.00	110.00	8.00	110.00	+0.05 / -0.00	8.40	+0.50 / -0.00	37.20	O/R
W090110095WT	90.00	+0.00 / -0.09	90.00	110.00	9.50	110.00	+0.05 / -0.00	9.90	+0.50 / -0.00	39.20	O/R
W090110100WT	90.00	+0.00 / -0.09	90.00	110.00	10.00	110.00	+0.05 / -0.00	10.40	+0.50 / -0.00	39.80	O/R
W095110040WT	95.00	+0.00 / -0.09	95.00	110.00	4.00	110.00	+0.05 / -0.00	4.30	+0.50 / -0.00	31.10	O/R
W095110080WT	95.00	+0.00 / -0.09	95.00	110.00	8.00	110.00	+0.05 / -0.00	8.40	+0.50 / -0.00	35.15	O/R
W095110095WT	95.00	+0.00 / -0.09	95.00	110.00	9.50	110.00	+0.05 / -0.00	9.90	+0.50 / -0.00	36.30	O/R
W095115095WT	95.00	+0.00 / -0.09	95.00	115.00	9.50	115.00	+0.05 / -0.00	9.90	+0.50 / -0.00	41.05	O/R
W100114080WT	100.00	+0.00 / -0.09	100.00	114.00	8.00	114.00	+0.05 / -0.00	8.40	+0.50 / -0.00	36.20	O/R
W100115040WT	100.00	+0.00 / -0.09	100.00	115.00	4.00	115.00	+0.05 / -0.00	4.30	+0.50 / -0.00	32.80	25.20
W100115070WT	100.00	+0.00 / -0.09	100.00	115.00	7.00	115.00	+0.05 / -0.00	7.30	+0.50 / -0.00	35.80	O/R
W100115080WT	100.00	+0.00 / -0.09	100.00	115.00	8.00	115.00	+0.05 / -0.00	8.40	+0.50 / -0.00	36.85	O/R
W100120060WT	100.00	+0.00 / -0.09	100.00	120.00	6.00	120.00	+0.05 / -0.00	6.30	+0.50 / -0.00	39.40	O/R
W100120080WT	100.00	+0.00 / -0.09	100.00	120.00	8.00	120.00	+0.05 / -0.00	8.40	+0.50 / -0.00	42.20	O/R

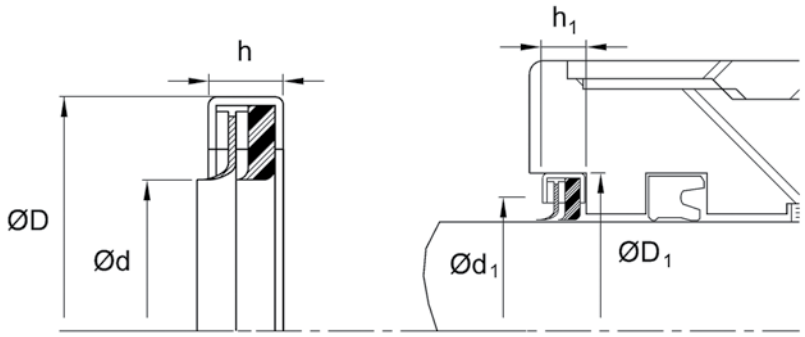
WT SERIES - AU/STEEL & NBR/STEEL

Ref.Number	Pin diameter	Tol.	Nominal Seal Dimensions			Housing Dimensions				$ AU	$ NBR /N
			d	D	h	D1	Tol.	h1	Tol.		
W100120095WT	100.00	+0.00 / -0.09	100.00	120.00	9.50	120.00	+0.05 / -0.00	9.90	+0.50 / -0.00	44.30	O/R
W100120100WT	100.00	+0.00 / -0.09	100.00	120.00	10.00	120.00	+0.06 / -0.00	10.40	+0.50 / -0.00	44.95	O/R
W100125080WT	100.00	+0.00 / -0.09	100.00	125.00	8.00	125.00	+0.06 / -0.00	8.40	+0.50 / -0.00	47.10	O/R
W100130080WT	100.00	+0.00 / -0.09	100.00	130.00	8.00	130.00	+0.06 / -0.00	8.40	+0.50 / -0.00	54.40	O/R
W110125040WT	110.00	+0.00 / -0.13	110.00	125.00	4.00	125.00	+0.06 / -0.00	4.30	+0.50 / -0.00	37.70	29.30
W110125050WT	110.00	+0.00 / -0.13	110.00	125.00	5.00	125.00	+0.06 / -0.00	5.30	+0.50 / -0.00	38.70	O/R
W110125080WT	110.00	+0.00 / -0.13	110.00	125.00	8.00	125.00	+0.06 / -0.00	8.40	+0.50 / -0.00	42.20	O/R
W110125095WT	110.00	+0.00 / -0.13	110.00	125.00	9.50	125.00	+0.06 / -0.00	9.90	+0.50 / -0.00	43.90	O/R
W110126090WT	110.00	+0.00 / -0.13	110.00	126.00	9.00	126.00	+0.06 / -0.00	9.40	+0.50 / -0.00	44.05	O/R
W110130080WT	110.00	+0.00 / -0.13	110.00	130.00	8.00	130.00	+0.06 / -0.00	8.40	+0.50 / -0.00	49.30	O/R
W110130095WT	110.00	+0.00 / -0.13	110.00	130.00	9.50	130.00	+0.06 / -0.00	9.90	+0.50 / -0.00	51.60	O/R
W110135080WT	110.00	+0.00 / -0.13	110.00	135.00	8.00	135.00	+0.06 / -0.00	8.40	+0.50 / -0.00	53.25	O/R
W110140080WT	110.00	+0.00 / -0.13	110.00	140.00	8.00	140.00	+0.06 / -0.00	8.40	+0.50 / -0.00	60.95	O/R
W115130040WT	115.00	+0.00 / -0.13	115.00	130.00	4.00	130.00	+0.06 / -0.00	4.30	+0.50 / -0.00	41.95	O/R
W115130080WT	115.00	+0.00 / -0.13	115.00	130.00	8.00	130.00	+0.06 / -0.00	8.40	+0.50 / -0.00	46.55	O/R
W115140095WT	115.00	+0.00 / -0.13	115.00	140.00	9.50	140.00	+0.06 / -0.00	9.90	+0.50 / -0.00	61.35	O/R
W120135040WT	120.00	+0.00 / -0.13	120.00	135.00	4.00	135.00	+0.06 / -0.00	4.30	+0.50 / -0.00	42.85	O/R
W120135080WT	120.00	+0.00 / -0.13	120.00	135.00	8.00	135.00	+0.06 / -0.00	8.40	+0.50 / -0.00	47.80	O/R
W120135095WT	120.00	+0.00 / -0.13	120.00	135.00	9.50	135.00	+0.06 / -0.00	9.90	+0.50 / -0.00	49.45	O/R
W120140080WT	120.00	+0.00 / -0.13	120.00	140.00	8.00	140.00	+0.06 / -0.00	8.40	+0.50 / -0.00	55.65	O/R
W120140095WT	120.00	+0.00 / -0.13	120.00	140.00	9.50	140.00	+0.06 / -0.00	9.90	+0.50 / -0.00	57.95	O/R
W120145095WT	120.00	+0.00 / -0.13	120.00	145.00	9.50	145.00	+0.06 / -0.00	9.90	+0.50 / -0.00	65.00	O/R
W125140040WT	125.00	+0.00 / -0.13	125.00	140.00	4.00	140.00	+0.06 / -0.00	4.30	+0.50 / -0.00	47.80	O/R
W125140050WT	125.00	+0.00 / -0.13	125.00	140.00	5.00	140.00	+0.06 / -0.00	5.30	+0.50 / -0.00	51.00	O/R
W125145095WT	125.00	+0.00 / -0.13	125.00	145.00	9.50	145.00	+0.06 / -0.00	9.90	+0.50 / -0.00	61.35	O/R
W125150095WT	125.00	+0.00 / -0.13	125.00	150.00	9.50	150.00	+0.06 / -0.00	9.90	+0.50 / -0.00	70.85	O/R
W130150040WT	130.00	+0.00 / -0.13	130.00	150.00	4.00	150.00	+0.06 / -0.00	4.30	+0.50 / -0.00	57.30	O/R
W130155095WT	130.00	+0.00 / -0.13	130.00	155.00	9.50	155.00	+0.06 / -0.00	9.90	+0.50 / -0.00	72.15	O/R
W140155040WT	140.00	+0.00 / -0.13	140.00	155.00	4.00	155.00	+0.06 / -0.00	4.30	+0.50 / -0.00	56.65	O/R
W140155080WT	140.00	+0.00 / -0.13	140.00	155.00	8.00	155.00	+0.06 / -0.00	8.40	+0.50 / -0.00	62.20	O/R
W140170095WT	140.00	+0.00 / -0.13	140.00	170.00	9.50	170.00	+0.06 / -0.00	9.90	+0.50 / -0.00	97.75	O/R
W145160080WT	145.00	+0.00 / -0.13	145.00	160.00	8.00	160.00	+0.06 / -0.00	8.40	+0.50 / -0.00	71.85	O/R
W160180095WT	160.00	+0.00 / -0.13	160.00	180.00	9.50	180.00	+0.06 / -0.00	9.90	+0.50 / -0.00	106.95	O/R
W190220080WT	190.00	+0.00 / -0.13	190.00	220.00	8.00	220.00	+0.07 / -0.00	8.40	+0.50 / -0.00	163.60	O/R

WU - Rod Wipers

Nitrile/Brass/Steel





Temperature: -40/248F [-40/120C] **Pressure: N/A**

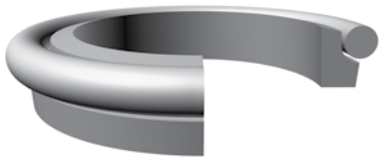
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	d	D	h	D1	Tol.	h1	Tol.	
W012025065WU	12.00	+0.00 / -0.04	12.00	25.00	6.50	25.00	+0.03 / -0.00	7.00	+0.50 / -0.00	O/R
W014027065WU	14.00	+0.00 / -0.04	14.00	27.00	6.50	27.00	+0.03 / -0.00	7.00	+0.50 / -0.00	O/R
W014027071WU	14.00	+0.00 / -0.04	14.00	27.00	7.14	27.00	+0.03 / -0.00	7.90	+0.50 / -0.00	O/R
W015028065WU	15.00	+0.00 / -0.04	15.00	28.00	6.50	28.00	+0.03 / -0.00	7.00	+0.50 / -0.00	O/R
W016029065WU	16.00	+0.00 / -0.04	16.00	29.00	6.50	29.00	+0.03 / -0.00	7.00	+0.50 / -0.00	O/R
W018031065WU	18.00	+0.00 / -0.04	18.00	31.00	6.50	31.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W020033065WU	20.00	+0.00 / -0.04	20.00	33.00	6.50	33.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W022035065WU	22.00	+0.00 / -0.04	22.00	35.00	6.50	35.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W035038065WU	25.00	+0.00 / -0.04	25.00	38.00	6.50	38.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W025038071WU	25.00	+0.00 / -0.04	25.00	38.00	7.14	38.00	+0.04 / -0.00	7.90	+0.50 / -0.00	O/R
W028041065WU	28.00	+0.00 / -0.04	28.00	41.00	6.50	41.00	+0.04 / -0.00	7.00	+0.50 / -0.00	O/R
W030043070WU	30.00	+0.00 / -0.04	30.00	43.00	7.00	43.00	+0.04 / -0.00	7.50	+0.50 / -0.00	O/R
W030042071WU	30.00	+0.00 / -0.04	30.00	42.00	7.14	42.00	+0.04 / -0.00	7.90	+0.50 / -0.00	O/R
W032045070WU	32.00	+0.00 / -0.04	32.00	45.00	7.00	45.00	+0.04 / -0.00	7.50	+0.50 / -0.00	O/R
W035048070WU	35.00	+0.00 / -0.04	35.00	48.00	7.00	48.00	+0.04 / -0.00	7.50	+0.50 / -0.00	O/R
W036049070WU	36.00	+0.00 / -0.04	36.00	49.00	7.00	49.00	+0.04 / -0.00	7.50	+0.50 / -0.00	O/R
W038051070WU	38.00	+0.00 / -0.04	38.00	51.00	7.00	51.00	+0.05 / -0.00	7.50	+0.50 / -0.00	O/R
W040053070WU	40.00	+0.00 / -0.04	40.00	53.00	7.00	53.00	+0.05 / -0.00	7.50	+0.50 / -0.00	O/R
W040052071WU	40.00	+0.00 / -0.04	40.00	52.00	7.14	52.00	+0.05 / -0.00	7.90	+0.50 / -0.00	O/R
W045058070WU	45.00	+0.00 / -0.04	45.00	58.00	7.00	58.00	+0.05 / -0.00	7.50	+0.50 / -0.00	O/R
W050064075WU	50.00	+0.00 / -0.04	50.00	64.00	7.50	64.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W050065071WU	50.00	+0.00 / -0.04	50.00	65.00	7.14	65.00	+0.05 / -0.00	7.90	+0.50 / -0.00	O/R
W055069075WU	55.00	+0.00 / -0.04	55.00	69.00	7.50	69.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W056069071WU	56.00	+0.00 / -0.04	56.00	69.00	7.14	69.00	+0.05 / -0.00	7.90	+0.50 / -0.00	O/R
W058072075WU	58.00	+0.00 / -0.04	58.00	72.00	7.50	72.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W060074075WU	60.00	+0.00 / -0.04	60.00	74.00	7.50	74.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W060074071WU	60.00	+0.00 / -0.04	60.00	74.90	7.14	74.90	+0.05 / -0.00	7.90	+0.50 / -0.00	O/R
W063077075WU	63.00	+0.00 / -0.04	63.00	77.00	7.50	77.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W065079075WU	65.00	+0.00 / -0.04	65.00	79.00	7.50	79.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W068082075WU	68.00	+0.00 / -0.04	68.00	82.00	7.50	82.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W070084075WU	70.00	+0.00 / -0.04	70.00	84.00	7.50	84.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W075089075WU	75.00	+0.00 / -0.04	75.00	89.00	7.50	89.00	+0.05 / -0.00	8.00	+0.50 / -0.00	O/R
W080096080WU	80.00	+0.00 / -0.04	80.00	96.00	8.00	96.00	+0.05 / -0.00	8.50	+0.50 / -0.00	O/R
W085101080WU	85.00	+0.00 / -0.04	85.00	101.00	8.00	101.00	+0.05 / -0.00	8.50	+0.50 / -0.00	O/R
W090106080WU	90.00	+0.00 / -0.04	90.00	106.00	8.00	106.00	+0.05 / -0.00	8.50	+0.50 / -0.00	O/R
W090110083WU	90.00	+0.00 / -0.04	90.00	110.00	8.33	110.00	+0.05 / -0.00	9.10	+0.50 / -0.00	O/R
W095111080WU	95.00	+0.00 / -0.04	95.00	111.00	8.00	111.00	+0.05 / -0.00	8.50	+0.50 / -0.00	O/R
W100120085WU	100.00	+0.00 / -0.04	100.00	120.00	8.50	120.00	+0.05 / -0.00	9.00	+0.50 / -0.00	O/R

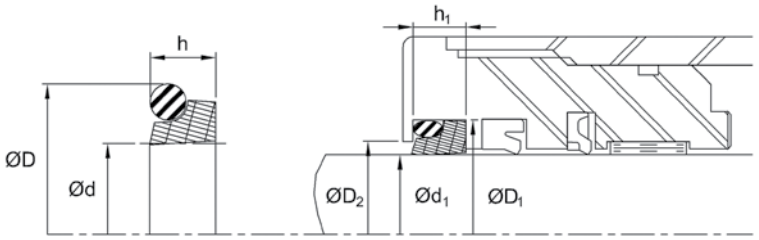
WU SERIES - NBR/BRASS/STEEL

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions				$
		Tol.	d	D	h	D1	Tol.	h1	Tol.	
W110130085WU	110.00	+0.00 / -0.04	110.00	130.00	8.50	130.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W120140085WU	120.00	+0.00 / -0.04	120.00	140.00	8.50	140.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W120140076WU	120.00	+0.00 / -0.04	120.00	140.00	7.60	140.00	+0.06 / -0.00	8.40	+0.50 / -0.00	O/R
W130150085WU	130.00	+0.00 / -0.05	130.00	150.00	8.50	150.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R
W140160085WU	140.00	+0.00 / -0.05	140.00	160.00	8.50	160.00	+0.06 / -0.00	9.00	+0.50 / -0.00	O/R

WV - Rod Wipers

40% BR.PTFE/NBR





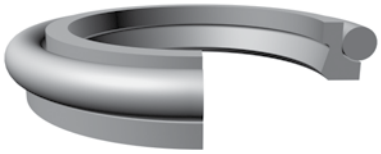
Temperature: -30/250F [-34/121C] **Pressure: N/A**

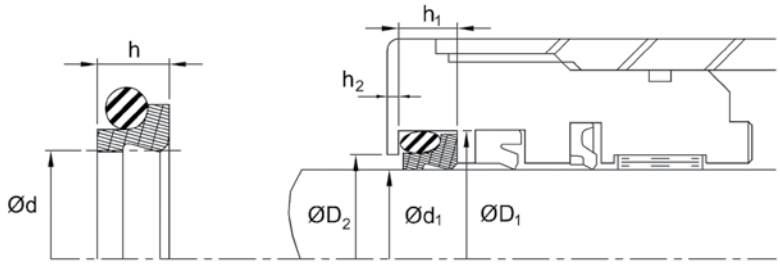
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	D1	Tol.	D2	Tol.	h1	Tol.	
W006010037WV	6.00	+0.00 / -0.04	6.00			10.80	+0.07 / -0.00	8.70	+0.20 / -0.00	3.70	+0.20 / -0.00	37.95
W008012037WV	8.00	+0.00 / -0.04	8.00			12.80	+0.07 / -0.00	10.70	+0.20 / -0.00	3.70	+0.20 / -0.00	37.95
W010014037WV	10.00	+0.00 / -0.04	10.00			14.80	+0.07 / -0.00	12.70	+0.20 / -0.00	3.70	+0.20 / -0.00	39.10
W012018050WV	12.00	+0.00 / -0.04	12.00			18.80	+0.08 / -0.00	15.50	+0.20 / -0.00	5.00	+0.20 / -0.00	39.85
W014020050WV	14.00	+0.00 / -0.04	14.00			20.80	+0.08 / -0.00	17.50	+0.20 / -0.00	5.00	+0.20 / -0.00	40.20
W015021050WV	15.00	+0.00 / -0.04	15.00			21.80	+0.08 / -0.00	18.50	+0.20 / -0.00	5.00	+0.20 / -0.00	40.20
W016022050WV	16.00	+0.00 / -0.04	16.00			22.80	+0.08 / -0.00	19.50	+0.20 / -0.00	5.00	+0.20 / -0.00	40.20
W018024050WV	18.00	+0.00 / -0.04	18.00			24.80	+0.08 / -0.00	21.50	+0.20 / -0.00	5.00	+0.20 / -0.00	40.45
W020026050WV	20.00	+0.00 / -0.04	20.00			26.80	+0.08 / -0.00	23.50	+0.20 / -0.00	5.00	+0.20 / -0.00	41.05
W022028050WV	22.00	+0.00 / -0.04	22.00			28.80	+0.08 / -0.00	25.50	+0.20 / -0.00	5.00	+0.20 / -0.00	41.35
W025031050WV	25.00	+0.00 / -0.04	25.00			31.80	+0.10 / -0.00	28.50	+0.20 / -0.00	5.00	+0.20 / -0.00	44.35
W028034050WV	28.00	+0.00 / -0.04	28.00			34.80	+0.10 / -0.00	31.50	+0.20 / -0.00	5.00	+0.20 / -0.00	45.15
W030036050WV	30.00	+0.00 / -0.04	30.00			36.80	+0.10 / -0.00	33.50	+0.20 / -0.00	5.00	+0.20 / -0.00	45.45
W032038050WV	32.00	+0.00 / -0.04	32.00			38.80	+0.10 / -0.00	35.50	+0.20 / -0.00	5.00	+0.20 / -0.00	45.90
W033039050WV	33.00	+0.00 / -0.04	33.00			39.80	+0.10 / -0.00	36.50	+0.20 / -0.00	5.00	+0.20 / -0.00	46.25
W034040050WV	34.00	+0.00 / -0.04	34.00			40.80	+0.10 / -0.00	37.50	+0.20 / -0.00	5.00	+0.20 / -0.00	46.30
W035041050WV	35.00	+0.00 / -0.04	35.00			41.80	+0.10 / -0.00	38.50	+0.20 / -0.00	5.00	+0.20 / -0.00	46.50
W036042050WV	36.00	+0.00 / -0.04	36.00			42.80	+0.10 / -0.00	39.50	+0.20 / -0.00	5.00	+0.20 / -0.00	46.50
W038044050WV	38.00	+0.00 / -0.04	38.00			44.80	+0.10 / -0.00	41.50	+0.20 / -0.00	5.00	+0.20 / -0.00	46.95
W040046050WV	40.00	+0.00 / -0.05	40.00			46.80	+0.10 / -0.00	43.50	+0.20 / -0.00	5.00	+0.20 / -0.00	47.10
W041048050WV	41.00	+0.00 / -0.05	41.00			47.80	+0.10 / -0.00	44.50	+0.20 / -0.00	5.00	+0.20 / -0.00	47.15
W042048050WV	42.00	+0.00 / -0.05	42.00			48.80	+0.10 / -0.00	45.50	+0.20 / -0.00	5.00	+0.20 / -0.00	47.20

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	h	D1	Tol.	D2	Tol.	h1	Tol.	
W043049050WV	43.00	+0.00 / -0.05	43.00			49.80	+0.10 / -0.00	46.50	+0.20 / -0.00	5.00	+0.20 / -0.00	47.45
W045051050WV	45.00	+0.00 / -0.05	45.00			51.80	+0.12 / -0.00	48.50	+0.20 / -0.00	5.00	+0.20 / -0.00	47.65
W048054050WV	48.00	+0.00 / -0.05	48.00			54.80	+0.12 / -0.00	51.50	+0.20 / -0.00	5.00	+0.20 / -0.00	48.00
W050056050WV	50.00	+0.00 / -0.05	50.00			56.80	+0.12 / -0.00	53.50	+0.20 / -0.00	5.00	+0.20 / -0.00	48.00
W055061050WV	55.00	+0.00 / -0.05	55.00			61.80	+0.12 / -0.00	58.50	+0.20 / -0.00	5.00	+0.20 / -0.00	48.30
W056062050WV	56.00	+0.00 / -0.05	56.00			62.80	+0.12 / -0.00	59.50	+0.20 / -0.00	5.00	+0.20 / -0.00	48.30
W060066050WV	60.00	+0.00 / -0.05	60.00			66.80	+0.12 / -0.00	63.50	+0.20 / -0.00	5.00	+0.20 / -0.00	48.90
W065073060WV	65.00	+0.00 / -0.06	65.00			73.80	+0.12 / -0.00	69.00	+0.20 / -0.00	6.00	+0.20 / -0.00	52.20
W070078060WV	70.00	+0.00 / -0.06	70.00			78.80	+0.12 / -0.00	74.00	+0.20 / -0.00	6.00	+0.20 / -0.00	53.45
W075083060WV	75.00	+0.00 / -0.06	75.00			83.80	+0.14 / -0.00	79.00	+0.20 / -0.00	6.00	+0.20 / -0.00	55.50
W080088060WV	80.00	+0.00 / -0.09	80.00			88.80	+0.14 / -0.00	84.00	+0.20 / -0.00	6.00	+0.20 / -0.00	56.80
W085093060WV	85.00	+0.00 / -0.09	85.00			93.80	+0.14 / -0.00	89.00	+0.20 / -0.00	6.00	+0.20 / -0.00	58.70
W090098060WV	90.00	+0.00 / -0.09	90.00			98.80	+0.14 / -0.00	94.00	+0.20 / -0.00	6.00	+0.20 / -0.00	60.10
W095103060WV	95.00	+0.00 / -0.09	95.00			103.80	+0.14 / -0.00	99.00	+0.20 / -0.00	6.00	+0.20 / -0.00	62.90
W100108060WV	100.00	+0.00 / -0.09	100.00			108.80	+0.14 / -0.00	104.00	+0.20 / -0.00	6.00	+0.20 / -0.00	65.30
W105113060WV	105.00	+0.00 / -0.13	105.00			113.80	+0.14 / -0.00	109.00	+0.20 / -0.00	6.00	+0.20 / -0.00	67.55
W110118060WV	110.00	+0.00 / -0.13	110.00			118.80	+0.14 / -0.00	114.00	+0.20 / -0.00	6.00	+0.20 / -0.00	70.45
W115123060WV	115.00	+0.00 / -0.13	115.00			123.80	+0.16 / -0.00	119.00	+0.20 / -0.00	6.00	+0.20 / -0.00	73.00
W120128060WV	120.00	+0.00 / -0.13	120.00			128.80	+0.16 / -0.00	124.00	+0.20 / -0.00	6.00	+0.20 / -0.00	75.45
W125133060WV	125.00	+0.00 / -0.13	125.00			133.80	+0.16 / -0.00	129.00	+0.20 / -0.00	6.00	+0.20 / -0.00	78.45
W130138060WV	130.00	+0.00 / -0.13	130.00			138.80	+0.16 / -0.00	134.00	+0.20 / -0.00	6.00	+0.20 / -0.00	81.10
W135143060WV	135.00	+0.00 / -0.13	135.00			143.80	+0.16 / -0.00	139.00	+0.20 / -0.00	6.00	+0.20 / -0.00	84.15
W140148060WV	140.00	+0.00 / -0.13	140.00			148.80	+0.16 / -0.00	144.00	+0.20 / -0.00	6.00	+0.20 / -0.00	87.00
W150158060WV	150.00	+0.00 / -0.13	150.00			158.80	+0.16 / -0.00	154.00	+0.20 / -0.00	6.00	+0.20 / -0.00	92.90
W160168060WV	160.00	+0.00 / -0.13	160.00			168.80	+0.16 / -0.00	164.00	+0.20 / -0.00	6.00	+0.20 / -0.00	99.50
W170178060WV	170.00	+0.00 / -0.13	170.00			178.80	+0.16 / -0.00	174.00	+0.20 / -0.00	6.00	+0.20 / -0.00	107.25
W180188060WV	180.00	+0.00 / -0.13	180.00			188.80	+0.18 / -0.00	184.00	+0.20 / -0.00	6.00	+0.20 / -0.00	113.50
W190198060WV	190.00	+0.00 / -0.13	190.00			198.80	+0.18 / -0.00	194.00	+0.20 / -0.00	6.00	+0.20 / -0.00	121.80
W200208060WV	200.00	+0.00 / -0.13	200.00			208.80	+0.18 / -0.00	204.00	+0.20 / -0.00	6.00	+0.20 / -0.00	129.85
W210218060WV	210.00	+0.00 / -0.13	210.00			218.80	+0.18 / -0.00	214.00	+0.20 / -0.00	6.00	+0.20 / -0.00	139.95
W220228060WV	220.00	+0.00 / -0.13	220.00			228.80	+0.18 / -0.00	224.00	+0.20 / -0.00	6.00	+0.20 / -0.00	143.05
W225233060WV	225.00	+0.00 / -0.13	225.00			233.80	+0.18 / -0.00	229.00	+0.20 / -0.00	6.00	+0.20 / -0.00	153.65
W230238060WV	230.00	+0.00 / -0.13	230.00			238.80	+0.18 / -0.00	234.00	+0.20 / -0.00	6.00	+0.20 / -0.00	161.45
W240248060WV	240.00	+0.00 / -0.13	240.00			248.80	+0.18 / -0.00	244.00	+0.20 / -0.00	6.00	+0.20 / -0.00	177.55
W250258060WV	250.00	+0.00 / -0.13	250.00			258.80	+0.21 / -0.00	254.00	+0.20 / -0.00	6.00	+0.20 / -0.00	209.35
W260272084WV	260.00	+0.00 / -0.13	260.00			272.20	+0.21 / -0.00	264.50	+0.20 / -0.00	8.40	+0.20 / -0.00	429.75
W270282084WV	270.00	+0.00 / -0.13	270.00			282.20	+0.21 / -0.00	274.50	+0.20 / -0.00	8.40	+0.20 / -0.00	448.00
W280292084WV	280.00	+0.00 / -0.13	280.00			292.20	+0.21 / -0.00	284.50	+0.20 / -0.00	8.40	+0.20 / -0.00	466.55
W290302084WV	290.00	+0.00 / -0.13	290.00			302.20	+0.21 / -0.00	294.50	+0.20 / -0.00	8.40	+0.20 / -0.00	490.95
W300312084WV	300.00	+0.00 / -0.13	300.00			312.20	+0.21 / -0.00	304.50	+0.20 / -0.00	8.40	+0.20 / -0.00	509.35
W310322084WV	310.00	+0.00 / -0.13	310.00			322.20	+0.21 / -0.00	314.50	+0.20 / -0.00	8.40	+0.20 / -0.00	526.20
W320332084WV	320.00	+0.00 / -0.13	320.00			332.20	+0.21 / -0.00	324.50	+0.20 / -0.00	8.40	+0.20 / -0.00	542.50
W350362084WV	350.00	+0.00 / -0.13	350.00			362.20	+0.21 / -0.00	354.50	+0.20 / -0.00	8.40	+0.20 / -0.00	566.30
W360372084WV	360.00	+0.00 / -0.13	360.00			372.20	+0.21 / -0.00	364.50	+0.20 / -0.00	8.40	+0.20 / -0.00	611.10
W370382084WV	370.00	+0.00 / -0.13	370.00			382.20	+0.21 / -0.00	382.20	+0.20 / -0.00	8.40	+0.20 / -0.00	628.15
W400412084WV	400.00	+0.00 / -0.13	400.00			412.20	+0.21 / -0.00	404.50	+0.20 / -0.00	8.40	+0.20 / -0.00	679.15

WW - Rod Wipers

40% BR. PTFE/NBR
Polyurethane/NBR





PTFE Temperature: -30/250F [-34/121C] Pressure: N/A
AU Temperature: -40/230F [-40/110C] Pressure: N/A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$ PTFE	$ AU /U
		Tol.	d	D	h	D1	Tol.	h1	Tol.	D2	Tol.		
W006010037WW	6.00	+0.00 / -0.04	6.00	10.80	3.70	10.80	+0.04 / -0.00	3.70	+0.20 / -0.00	7.50	+0.20 / -0.00	34.50	O/R
W008012037WW	8.00	+0.00 / -0.04	8.00	12.80	3.70	12.80	+0.04 / -0.00	3.70	+0.20 / -0.00	9.50	+0.20 / -0.00	45.90	O/R
W010014037WW	10.00	+0.00 / -0.04	10.00	14.80	3.70	14.80	+0.04 / -0.00	3.70	+0.20 / -0.00	11.50	+0.20 / -0.00	47.15	O/R
W012018050WW	12.00	+0.00 / -0.04	12.00	18.80	5.00	18.80	+0.04 / -0.00	5.00	+0.20 / -0.00	13.50	+0.20 / -0.00	47.30	O/R
W014020050WW	14.00	+0.00 / -0.04	14.00	20.80	5.00	20.80	+0.04 / -0.00	5.00	+0.20 / -0.00	15.50	+0.20 / -0.00	48.35	O/R
W015021050WW	15.00	+0.00 / -0.04	15.00	21.80	5.00	21.80	+0.04 / -0.00	5.00	+0.20 / -0.00	16.50	+0.20 / -0.00	48.35	O/R
W016022050WW	16.00	+0.00 / -0.04	16.00	22.80	5.00	22.80	+0.04 / -0.00	5.00	+0.20 / -0.00	17.50	+0.20 / -0.00	48.35	O/R
W018024050WW	18.00	+0.00 / -0.04	18.00	24.80	5.00	24.80	+0.04 / -0.00	5.00	+0.20 / -0.00	19.50	+0.20 / -0.00	48.70	O/R
W020026050WW	20.00	+0.00 / -0.04	20.00	26.80	5.00	26.80	+0.05 / -0.00	5.00	+0.20 / -0.00	21.50	+0.20 / -0.00	49.50	O/R
W020027042WW	20.00	+0.00 / -0.04	20.00	27.60	4.20	27.60	+0.05 / -0.00	4.20	+0.20 / -0.00	21.00	+0.20 / -0.00	O/R	73.65
W022028050WW	22.00	+0.00 / -0.04	22.00	28.80	5.00	28.80	+0.05 / -0.00	5.00	+0.20 / -0.00	23.50	+0.20 / -0.00	50.15	O/R
W022029042WW	22.00	+0.00 / -0.04	22.00	29.60	4.20	29.60	+0.05 / -0.00	4.20	+0.20 / -0.00	23.00	+0.20 / -0.00	O/R	78.70
W024030050WW	24.00	+0.00 / -0.04	24.00	30.80	5.00	30.80	+0.05 / -0.00	5.00	+0.20 / -0.00	25.50	+0.20 / -0.00	51.35	O/R
W024031042WW	24.00	+0.00 / -0.04	24.00	31.60	4.20	31.60	+0.06 / -0.00	4.20	+0.20 / -0.00	25.00	+0.20 / -0.00	O/R	80.40
W025031050WW	25.00	+0.00 / -0.04	25.00	31.80	5.00	31.80	+0.05 / -0.00	5.00	+0.20 / -0.00	26.50	+0.20 / -0.00	53.50	O/R
W025032042WW	25.00	+0.00 / -0.04	25.00	32.60	4.20	32.60	+0.06 / -0.00	4.20	+0.20 / -0.00	26.00	+0.20 / -0.00	O/R	83.95
W028034050WW	28.00	+0.00 / -0.04	28.00	34.80	5.00	34.80	+0.05 / -0.00	5.00	+0.20 / -0.00	29.50	+0.20 / -0.00	54.40	O/R
W028035042WW	28.00	+0.00 / -0.04	28.00	35.60	4.20	35.60	+0.06 / -0.00	4.20	+0.20 / -0.00	29.00	+0.20 / -0.00	O/R	85.40
W030036050WW	30.00	+0.00 / -0.04	30.00	36.80	5.00	36.80	+0.05 / -0.00	5.00	+0.20 / -0.00	31.50	+0.20 / -0.00	54.95	O/R
W030037042WW	30.00	+0.00 / -0.04	30.00	37.60	4.20	37.60	+0.06 / -0.00	4.20	+0.20 / -0.00	31.00	+0.20 / -0.00	O/R	86.05
W032038050WW	32.00	+0.00 / -0.04	32.00	38.80	5.00	38.80	+0.06 / -0.00	5.00	+0.20 / -0.00	33.50	+0.20 / -0.00	55.50	O/R
W032039042WW	32.00	+0.00 / -0.04	32.00	39.60	4.20	39.60	+0.06 / -0.00	4.20	+0.20 / -0.00	33.00	+0.20 / -0.00	O/R	87.10
W035041050WW	35.00	+0.00 / -0.04	35.00	41.80	5.00	41.80	+0.06 / -0.00	5.00	+0.20 / -0.00	36.50	+0.20 / -0.00	56.10	O/R
W035042042WW	35.00	+0.00 / -0.04	35.00	42.60	4.20	42.60	+0.06 / -0.00	4.20	+0.20 / -0.00	36.00	+0.20 / -0.00	O/R	87.85
W036042050WW	36.00	+0.00 / -0.04	36.00	42.80	5.00	42.80	+0.06 / -0.00	5.00	+0.20 / -0.00	37.50	+0.20 / -0.00	56.10	O/R
W036043042WW	36.00	+0.00 / -0.04	36.00	43.60	4.20	43.60	+0.06 / -0.00	4.20	+0.20 / -0.00	37.00	+0.20 / -0.00	O/R	89.00
W038044050WW	38.00	+0.00 / -0.04	38.00	44.80	5.00	44.80	+0.06 / -0.00	5.00	+0.20 / -0.00	39.50	+0.20 / -0.00	56.45	O/R
W038045042WW	38.00	+0.00 / -0.04	38.00	45.60	4.20	45.60	+0.06 / -0.00	4.20	+0.20 / -0.00	39.00	+0.20 / -0.00	O/R	89.00
W040046050WW	40.00	+0.00 / -0.05	40.00	46.80	5.00	46.80	+0.06 / -0.00	5.00	+0.20 / -0.00	41.50	+0.20 / -0.00	56.75	O/R
W040048063WW	40.00	+0.00 / -0.05	40.00	48.80	6.30	48.80	+0.06 / -0.00	6.30	+0.20 / -0.00	41.50	+0.20 / -0.00	O/R	89.00
W042048050WW	42.00	+0.00 / -0.05	42.00	48.80	5.00	48.80	+0.06 / -0.00	5.00	+0.20 / -0.00	43.50	+0.20 / -0.00	57.10	O/R
W042050063WW	42.00	+0.00 / -0.05	42.00	50.80	6.30	50.80	+0.07 / -0.00	6.30	+0.20 / -0.00	43.50	+0.20 / -0.00	O/R	89.75
W045051050WW	45.00	+0.00 / -0.05	45.00	51.80	5.00	51.80	+0.06 / -0.00	5.00	+0.20 / -0.00	46.50	+0.20 / -0.00	57.45	O/R
W045053063WW	45.00	+0.00 / -0.05	45.00	53.80	6.30	53.80	+0.07 / -0.00	6.30	+0.20 / -0.00	46.50	+0.20 / -0.00	O/R	90.25
W048054050WW	48.00	+0.00 / -0.05	48.00	54.80	5.00	54.80	+0.06 / -0.00	5.00	+0.20 / -0.00	49.50	+0.20 / -0.00	58.00	O/R
W048056063WW	48.00	+0.00 / -0.05	48.00	56.80	6.30	56.80	+0.07 / -0.00	6.30	+0.20 / -0.00	49.50	+0.20 / -0.00	O/R	90.80
W050056050WW	50.00	+0.00 / -0.05	50.00	56.80	5.00	56.80	+0.06 / -0.00	5.00	+0.20 / -0.00	51.50	+0.20 / -0.00	58.00	O/R
W050058063WW	50.00	+0.00 / -0.05	50.00	58.80	6.30	58.80	+0.07 / -0.00	6.30	+0.20 / -0.00	51.50	+0.20 / -0.00	O/R	90.80

WW SERIES - 40% BR.PTFE/NBR & AU/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$ PTFE	$ AU /U
		Tol.	d	D	h	D1	Tol.	h1	Tol.	D2	Tol.		
W052058050WW	52.00	+0.00 / -0.05	52.00	58.80	5.00	58.80	+0.07 / -0.00	5.00	+0.20 / -0.00	53.50	+0.20 / -0.00	58.40	O/R
W052060063WW	52.00	+0.00 / -0.05	52.00	60.80	6.30	60.80	+0.07 / -0.00	6.30	+0.20 / -0.00	53.50	+0.20 / -0.00	O/R	91.25
W055061050WW	55.00	+0.00 / -0.05	55.00	61.80	5.00	61.80	+0.07 / -0.00	5.00	+0.20 / -0.00	56.50	+0.20 / -0.00	58.40	O/R
W055063063WW	55.00	+0.00 / -0.05	55.00	63.80	6.30	63.80	+0.07 / -0.00	6.30	+0.20 / -0.00	56.50	+0.20 / -0.00	O/R	91.45
W056062050WW	56.00	+0.00 / -0.05	56.00	62.80	5.00	62.80	+0.07 / -0.00	5.00	+0.20 / -0.00	57.50	+0.20 / -0.00	58.40	O/R
W056064063WW	56.00	+0.00 / -0.05	56.00	64.80	6.30	64.80	+0.07 / -0.00	6.30	+0.20 / -0.00	57.50	+0.20 / -0.00	O/R	96.45
W060066050WW	60.00	+0.00 / -0.05	60.00	66.80	5.00	66.80	+0.07 / -0.00	5.00	+0.20 / -0.00	61.50	+0.20 / -0.00	58.90	O/R
W060068063WW	60.00	+0.00 / -0.05	60.00	68.80	6.30	68.80	+0.07 / -0.00	6.30	+0.20 / -0.00	61.50	+0.20 / -0.00	O/R	92.75
W063071063WW	63.00	+0.00 / -0.06	63.00	71.80	6.30	71.80	+0.07 / -0.00	6.30	+0.20 / -0.00	64.50	+0.20 / -0.00	O/R	93.20
W065073060WW	65.00	+0.00 / -0.06	65.00	73.80	6.00	73.80	+0.07 / -0.00	6.00	+0.20 / -0.00	66.50	+0.20 / -0.00	63.05	O/R
W065073063WW	65.00	+0.00 / -0.06	65.00	73.80	6.30	73.80	+0.07 / -0.00	6.30	+0.20 / -0.00	66.50	+0.20 / -0.00	O/R	99.40
W070078060WW	70.00	+0.00 / -0.06	70.00	78.80	6.00	78.80	+0.07 / -0.00	6.00	+0.20 / -0.00	71.50	+0.20 / -0.00	66.75	O/R
W070082081WW	70.00	+0.00 / -0.06	70.00	82.20	8.10	82.20	+0.09 / -0.00	8.10	+0.20 / -0.00	72.00	+0.20 / -0.00	O/R	110.20
W075083060WW	75.00	+0.00 / -0.06	75.00	83.80	6.00	83.80	+0.07 / -0.00	6.00	+0.20 / -0.00	76.50	+0.20 / -0.00	68.75	O/R
W075087081WW	75.00	+0.00 / -0.06	75.00	87.20	8.10	87.20	+0.09 / -0.00	8.10	+0.20 / -0.00	77.00	+0.20 / -0.00	O/R	110.75
W080088060WW	80.00	+0.00 / -0.09	80.00	88.80	6.00	88.80	+0.07 / -0.00	6.00	+0.20 / -0.00	81.50	+0.20 / -0.00	71.05	O/R
W080092081WW	80.00	+0.00 / -0.09	80.00	92.20	8.10	92.20	+0.09 / -0.00	8.10	+0.20 / -0.00	82.00	+0.20 / -0.00	O/R	111.90
W085093060WW	85.00	+0.00 / -0.09	85.00	93.80	6.00	93.80	+0.09 / -0.00	6.00	+0.20 / -0.00	86.50	+0.20 / -0.00	73.35	O/R
W085097081WW	85.00	+0.00 / -0.09	85.00	97.20	8.10	97.20	+0.09 / -0.00	8.10	+0.20 / -0.00	87.00	+0.20 / -0.00	O/R	115.30
W090098060WW	90.00	+0.00 / -0.09	90.00	98.80	6.00	98.80	+0.09 / -0.00	6.00	+0.20 / -0.00	91.50	+0.20 / -0.00	75.25	O/R
W090102081WW	90.00	+0.00 / -0.09	90.00	102.20	8.10	102.20	+0.09 / -0.00	8.10	+0.20 / -0.00	92.00	+0.20 / -0.00	O/R	118.60
W095103060WW	95.00	+0.00 / -0.09	95.00	103.80	6.00	103.80	+0.09 / -0.00	6.00	+0.20 / -0.00	96.50	+0.20 / -0.00	78.70	O/R
W095107081WW	95.00	+0.00 / -0.09	95.00	107.20	8.10	107.20	+0.09 / -0.00	8.10	+0.20 / -0.00	97.00	+0.20 / -0.00	O/R	123.65
W100108060WW	100.00	+0.00 / -0.09	100.00	108.80	6.00	108.80	+0.09 / -0.00	6.00	+0.20 / -0.00	101.50	+0.20 / -0.00	81.55	O/R
W100112081WW	100.00	+0.00 / -0.09	100.00	112.20	8.10	112.20	+0.09 / -0.00	8.10	+0.20 / -0.00	102.00	+0.20 / -0.00	O/R	128.40
W105113060WW	105.00	+0.00 / -0.13	105.00	113.80	6.00	113.80	+0.09 / -0.00	6.00	+0.20 / -0.00	106.50	+0.20 / -0.00	88.30	O/R
W105117081WW	105.00	+0.00 / -0.13	105.00	117.20	8.10	117.20	+0.09 / -0.00	8.10	+0.20 / -0.00	107.00	+0.20 / -0.00	O/R	133.55
W110118060WW	110.00	+0.00 / -0.13	110.00	118.80	6.00	118.80	+0.09 / -0.00	6.00	+0.20 / -0.00	111.50	+0.20 / -0.00	88.30	O/R
W110122081WW	110.00	+0.00 / -0.13	110.00	122.20	8.10	122.20	+0.10 / -0.00	8.10	+0.20 / -0.00	112.00	+0.20 / -0.00	O/R	138.40
W115127081WW	115.00	+0.00 / -0.13	115.00	127.20	8.10	127.20	+0.10 / -0.00	8.10	+0.20 / -0.00	117.00	+0.20 / -0.00	O/R	143.40
W120128060WW	120.00	+0.00 / -0.13	120.00	128.80	6.00	128.80	+0.09 / -0.00	6.00	+0.20 / -0.00	121.50	+0.20 / -0.00	94.50	O/R
W120132081WW	120.00	+0.00 / -0.13	120.00	132.20	8.10	132.20	+0.10 / -0.00	8.10	+0.20 / -0.00	122.00	+0.20 / -0.00	O/R	148.80
W125133060WW	125.00	+0.00 / -0.13	125.00	133.80	6.00	133.80	+0.10 / -0.00	6.00	+0.20 / -0.00	126.50	+0.20 / -0.00	98.10	O/R
W125137081WW	125.00	+0.00 / -0.13	125.00	137.20	8.10	137.20	+0.10 / -0.00	8.10	+0.20 / -0.00	127.00	+0.20 / -0.00	O/R	154.15
W130138060WW	130.00	+0.00 / -0.13	130.00	138.80	6.00	138.80	+0.10 / -0.00	6.00	+0.20 / -0.00	131.50	+0.20 / -0.00	101.35	O/R
W130142081WW	130.00	+0.00 / -0.13	130.00	142.20	8.10	142.20	+0.10 / -0.00	8.10	+0.20 / -0.00	132.00	+0.20 / -0.00	O/R	159.55
W135147081WW	135.00	+0.00 / -0.13	135.00	147.20	8.10	147.20	+0.10 / -0.00	8.10	+0.20 / -0.00	137.00	+0.20 / -0.00	O/R	167.00
W140148060WW	140.00	+0.00 / -0.13	140.00	148.80	6.00	148.80	+0.10 / -0.00	6.00	+0.20 / -0.00	141.50	+0.20 / -0.00	108.95	O/R
W140156095WW	140.00	+0.00 / -0.13	140.00	156.00	9.50	156.00	+0.10 / -0.00	9.50	+0.20 / -0.00	142.50	+0.20 / -0.00	O/R	175.80
W150158060WW	150.00	+0.00 / -0.13	150.00	158.80	6.00	158.80	+0.10 / -0.00	6.00	+0.20 / -0.00	151.50	+0.20 / -0.00	116.35	O/R
W150166095WW	150.00	+0.00 / -0.13	150.00	166.00	9.50	166.00	+0.10 / -0.00	9.50	+0.20 / -0.00	152.50	+0.20 / -0.00	O/R	182.70
W160168060WW	160.00	+0.00 / -0.13	160.00	168.80	6.00	168.80	+0.10 / -0.00	6.00	+0.20 / -0.00	161.50	+0.20 / -0.00	124.50	O/R
W160176095WW	160.00	+0.00 / -0.13	160.00	176.00	9.50	176.00	+0.10 / -0.00	9.50	+0.20 / -0.00	162.50	+0.20 / -0.00	O/R	195.75
W170178060WW	170.00	+0.00 / -0.13	170.00	178.80	6.00	178.80	+0.10 / -0.00	6.00	+0.20 / -0.00	171.50	+0.20 / -0.00	134.25	O/R
W170186095WW	170.00	+0.00 / -0.13	170.00	186.00	9.50	186.00	+0.12 / -0.00	9.50	+0.20 / -0.00	172.50	+0.20 / -0.00	O/R	210.65
W180188060WW	180.00	+0.00 / -0.13	180.00	188.80	6.00	188.80	+0.10 / -0.00	6.00	+0.20 / -0.00	181.50	+0.20 / -0.00	142.50	O/R
W180196095WW	180.00	+0.00 / -0.13	180.00	196.00	9.50	196.00	+0.12 / -0.00	9.50	+0.20 / -0.00	182.50	+0.20 / -0.00	O/R	223.55
W190198060WW	190.00	+0.00 / -0.13	190.00	198.80	6.00	198.80	+0.12 / -0.00	6.00	+0.20 / -0.00	191.50	+0.20 / -0.00	152.30	O/R

WW SERIES - 40% BR.PTFE/NBR & AU/NBR

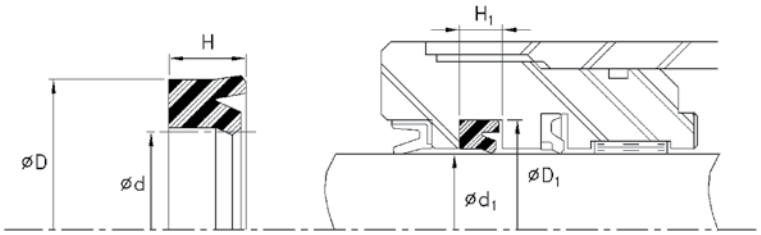
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$ PTFE	$ AU
		Tol.	d	D	h	D1	Tol.	h1	Tol.	D2	Tol.		/U
W190206095WW	190.00	+0.00 / -0.13	190.00	206.00	9.50	206.00	+0.12 / -0.00	9.50	+0.20 / -0.00	192.50	+0.20 / -0.00	O/R	239.25
W200208060WW	200.00	+0.00 / -0.13	200.00	208.80	6.00	208.80	+0.12 / -0.00	6.00	+0.20 / -0.00	201.50	+0.20 / -0.00	162.50	O/R
W200216095WW	200.00	+0.00 / -0.13	200.00	216.00	9.50	216.00	+0.12 / -0.00	9.50	+0.20 / -0.00	202.50	+0.20 / -0.00	O/R	254.95
W210218060WW	210.00	+0.00 / -0.13	210.00	218.80	6.00	218.80	+0.12 / -0.00	6.00	+0.20 / -0.00	211.50	+0.20 / -0.00	175.35	O/R
W210226095WW	210.00	+0.00 / -0.13	210.00	226.00	9.50	226.00	+0.12 / -0.00	9.50	+0.20 / -0.00	212.50	+0.20 / -0.00	O/R	274.15
W220228060WW	220.00	+0.00 / -0.13	220.00	228.80	6.00	228.80	+0.12 / -0.00	6.00	+0.20 / -0.00	221.50	+0.20 / -0.00	188.00	O/R
W220236095WW	220.00	+0.00 / -0.13	220.00	236.00	9.50	236.00	+0.12 / -0.00	9.50	+0.20 / -0.00	222.50	+0.20 / -0.00	O/R	295.30
W230238060WW	230.00	+0.00 / -0.13	230.00	238.80	6.00	238.80	+0.12 / -0.00	6.00	+0.20 / -0.00	231.50	+0.20 / -0.00	202.20	O/R
W230246095WW	230.00	+0.00 / -0.13	230.00	246.00	9.50	246.00	+0.12 / -0.00	9.50	+0.20 / -0.00	232.50	+0.20 / -0.00	O/R	317.90
W240248060WW	240.00	+0.00 / -0.13	240.00	248.80	6.00	248.80	+0.12 / -0.00	6.00	+0.20 / -0.00	241.50	+0.20 / -0.00	222.00	O/R
W240256095WW	240.00	+0.00 / -0.13	240.00	256.00	9.50	256.00	+0.13 / -0.00	9.50	+0.20 / -0.00	242.50	+0.20 / -0.00	O/R	349.05
W250258060WW	250.00	+0.00 / -0.13	250.00	258.80	6.00	258.80	+0.12 / -0.00	6.00	+0.20 / -0.00	251.50	+0.20 / -0.00	261.80	O/R
W250266095WW	250.00	+0.00 / -0.13	250.00	266.00	9.50	266.00	+0.13 / -0.00	9.50	+0.20 / -0.00	252.50	+0.20 / -0.00	O/R	411.80
W260272084WW	260.00	+0.00 / -0.13	260.00	272.20	8.40	272.20	+0.13 / -0.00	8.40	+0.20 / -0.00	262.00	+0.20 / -0.00	417.95	O/R
W260276095WW	260.00	+0.00 / -0.13	260.00	276.00	9.50	276.00	+0.13 / -0.00	9.50	+0.20 / -0.00	262.50	+0.20 / -0.00	O/R	718.85
W270282084WW	270.00	+0.00 / -0.13	270.00	282.20	8.40	282.20	+0.13 / -0.00	8.40	+0.20 / -0.00	272.00	+0.20 / -0.00	435.70	O/R
W270286095WW	270.00	+0.00 / -0.13	270.00	286.00	9.50	286.00	+0.13 / -0.00	9.50	+0.20 / -0.00	272.50	+0.20 / -0.00	O/R	749.30
W280292084WW	280.00	+0.00 / -0.13	280.00	292.20	8.40	292.20	+0.13 / -0.00	8.40	+0.20 / -0.00	282.00	+0.20 / -0.00	453.70	O/R
W280296095WW	280.00	+0.00 / -0.13	280.00	296.00	9.50	296.00	+0.13 / -0.00	9.50	+0.20 / -0.00	282.50	+0.20 / -0.00	O/R	779.05
W290302084WW	290.00	+0.00 / -0.13	290.00	302.20	8.40	302.20	+0.13 / -0.00	8.40	+0.20 / -0.00	292.00	+0.20 / -0.00	477.45	O/R
W290306095WW	290.00	+0.00 / -0.13	290.00	306.00	9.50	306.00	+0.13 / -0.00	9.50	+0.20 / -0.00	292.50	+0.20 / -0.00	O/R	821.10
W300312084WW	300.00	+0.00 / -0.13	300.00	312.20	8.40	312.20	+0.13 / -0.00	8.40	+0.20 / -0.00	302.00	+0.20 / -0.00	495.15	O/R
W300316095WW	300.00	+0.00 / -0.13	300.00	316.00	9.50	316.00	+0.13 / -0.00	9.50	+0.20 / -0.00	302.50	+0.20 / -0.00	O/R	851.80
W310322084WW	310.00	+0.00 / -0.13	310.00	322.20	8.40	322.20	+0.13 / -0.00	8.40	+0.20 / -0.00	312.00	+0.20 / -0.00	511.85	O/R
W310326095WW	310.00	+0.00 / -0.13	310.00	326.00	9.50	326.00	+0.14 / -0.00	9.50	+0.20 / -0.00	312.50	+0.20 / -0.00	O/R	880.05
W320332084WW	320.00	+0.00 / -0.13	320.00	332.20	8.40	332.20	+0.13 / -0.00	8.40	+0.20 / -0.00	322.00	+0.20 / -0.00	528.40	O/R
W320336095WW	320.00	+0.00 / -0.13	320.00	336.00	9.50	336.00	+0.14 / -0.00	9.50	+0.20 / -0.00	322.50	+0.20 / -0.00	O/R	908.55
W350362084WW	350.00	+0.00 / -0.13	350.00	362.20	8.40	362.20	+0.13 / -0.00	8.40	+0.20 / -0.00	352.00	+0.20 / -0.00	577.80	O/R
W350366095WW	350.00	+0.00 / -0.13	350.00	366.00	9.50	366.00	+0.14 / -0.00	9.50	+0.20 / -0.00	352.50	+0.20 / -0.00	O/R	993.95
W360372084WW	360.00	+0.00 / -0.13	360.00	372.20	8.40	372.20	+0.13 / -0.00	8.40	+0.20 / -0.00	362.00	+0.20 / -0.00	594.20	O/R
W360376095WW	360.00	+0.00 / -0.13	360.00	376.00	9.50	376.00	+0.14 / -0.00	9.50	+0.20 / -0.00	362.50	+0.20 / -0.00	O/R	1022.15
W370382084WW	370.00	+0.00 / -0.13	370.00	382.20	8.40	382.20	+0.13 / -0.00	8.40	+0.20 / -0.00	372.00	+0.20 / -0.00	610.75	O/R
W370386095WW	370.00	+0.00 / -0.13	370.00	386.00	9.50	386.00	+0.14 / -0.00	9.50	+0.20 / -0.00	372.50	+0.20 / -0.00	O/R	1050.65
W400412084WW	400.00	+0.00 / -0.13	400.00	412.20	8.40	412.20	+0.13 / -0.00	8.40	+0.20 / -0.00	402.00	+0.20 / -0.00	660.40	O/R
W400424140WW	400.00	+0.00 / -0.13	400.00	424.00	14.00	424.00	+0.16 / -0.00	14.00	+0.20 / -0.00	402.50	+0.20 / -0.00	O/R	1136.00

	RA	J	2
	RA-CAT	J	10
	SD/N, ST/N, SD/T, ST/T	J	11
	RA/N	J	14
	RC	J	19
	RE	J	28
	RV	J	29
	RH-1	J	32
	RH-CAT	J	33
	RZ	J	34
	R12	J	37
	R14	J	38
	RX	J	39
	R16	J	42
INFO	R5 CUSHION SEALS	J	45
	R5	J	46
INFO	R6 CUSHION SEALS	J	47
	R6	J	48
	R19	J	49

RA - Rod Seals

Polyurethane AU 94A





Temperature: -31/212F [-35/100C] **Pressure: 6000 PSI [415 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R006014050RA	6.30	+0.00 / -0.04	6.30	14.30	5.00	6.30	+0.00 / -0.04	14.30	+0.07 / -0.00	5.70	+0.30 / -0.00	O/R
R006016060RA	6.30	+0.00 / -0.04	6.30	16.30	6.00	6.30	+0.00 / -0.04	16.30	+0.07 / -0.00	7.00	+0.30 / -0.00	O/R
R006016075RA	6.30	+0.00 / -0.04	6.30	16.30	7.50	6.30	+0.00 / -0.04	16.30	+0.07 / -0.00	8.50	+0.30 / -0.00	O/R
R006016080RA	6.30	+0.00 / -0.04	6.30	16.30	8.00	6.30	+0.00 / -0.04	16.30	+0.07 / -0.00	9.00	+0.30 / -0.00	O/R
R008016050RA	8.00	+0.00 / -0.04	8.00	16.00	5.00	8.00	+0.00 / -0.04	16.00	+0.07 / -0.00	5.70	+0.30 / -0.00	6.95
R008018060RA	8.00	+0.00 / -0.04	8.00	18.00	6.00	8.00	+0.00 / -0.04	18.00	+0.07 / -0.00	7.00	+0.30 / -0.00	6.95
R008018075RA	8.00	+0.00 / -0.04	8.00	18.00	7.50	8.00	+0.00 / -0.04	18.00	+0.07 / -0.00	8.50	+0.30 / -0.00	6.95
R008018080RA	8.00	+0.00 / -0.04	8.00	18.00	8.00	8.00	+0.00 / -0.04	18.00	+0.07 / -0.00	9.00	+0.30 / -0.00	6.95
R009017050RA	9.00	+0.00 / -0.04	9.00	17.00	5.00	9.00	+0.00 / -0.04	17.00	+0.07 / -0.00	5.70	+0.30 / -0.00	6.95
R009019060RA	9.00	+0.00 / -0.04	9.00	19.00	6.00	9.00	+0.00 / -0.04	19.00	+0.08 / -0.00	7.00	+0.30 / -0.00	6.95
R009019075RA	9.00	+0.00 / -0.04	9.00	19.00	7.50	9.00	+0.00 / -0.04	19.00	+0.08 / -0.00	8.50	+0.30 / -0.00	6.95
R009019080RA	9.00	+0.00 / -0.04	9.00	19.00	8.00	9.00	+0.00 / -0.04	19.00	+0.08 / -0.00	9.00	+0.30 / -0.00	6.95
R010018050RA	10.00	+0.00 / -0.04	10.00	18.00	5.00	10.00	+0.00 / -0.04	18.00	+0.07 / -0.00	5.70	+0.30 / -0.00	6.95
R010020060RA	10.00	+0.00 / -0.04	10.00	20.00	6.00	10.00	+0.00 / -0.04	20.00	+0.08 / -0.00	7.00	+0.30 / -0.00	6.95
R010020075RA	10.00	+0.00 / -0.04	10.00	20.00	7.50	10.00	+0.00 / -0.04	20.00	+0.08 / -0.00	8.50	+0.30 / -0.00	6.95
R010020080RA	10.00	+0.00 / -0.04	10.00	20.00	8.00	10.00	+0.00 / -0.04	20.00	+0.08 / -0.00	9.00	+0.30 / -0.00	6.95
R011019050RA	11.20	+0.00 / -0.04	11.20	19.20	5.00	11.20	+0.00 / -0.04	19.20	+0.08 / -0.00	5.70	+0.30 / -0.00	O/R
R011021060RA	11.20	+0.00 / -0.04	11.20	21.20	6.00	11.20	+0.00 / -0.04	21.20	+0.08 / -0.00	7.00	+0.30 / -0.00	O/R
R011021075RA	11.20	+0.00 / -0.04	11.20	21.20	7.50	11.20	+0.00 / -0.04	21.20	+0.08 / -0.00	8.50	+0.30 / -0.00	O/R
R011021080RA	11.20	+0.00 / -0.04	11.20	21.20	8.00	11.20	+0.00 / -0.04	21.20	+0.08 / -0.00	9.00	+0.30 / -0.00	O/R
R012020050RA	12.50	+0.00 / -0.04	12.50	20.50	5.00	12.50	+0.00 / -0.04	20.50	+0.08 / -0.00	5.70	+0.30 / -0.00	O/R
R012022060RA	12.50	+0.00 / -0.04	12.50	22.50	6.00	12.50	+0.00 / -0.04	22.50	+0.08 / -0.00	7.00	+0.30 / -0.00	O/R
R012022075RA	12.50	+0.00 / -0.04	12.50	22.50	7.50	12.50	+0.00 / -0.04	22.50	+0.08 / -0.00	8.50	+0.30 / -0.00	O/R
R012022080RA	12.50	+0.00 / -0.04	12.50	22.50	8.00	12.50	+0.00 / -0.04	22.50	+0.08 / -0.00	9.00	+0.30 / -0.00	O/R
R014022050RA	14.00	+0.00 / -0.04	14.00	22.00	5.00	14.00	+0.00 / -0.04	22.00	+0.08 / -0.00	5.70	+0.30 / -0.00	7.80
R014024060RA	14.00	+0.00 / -0.04	14.00	24.00	6.00	14.00	+0.00 / -0.04	24.00	+0.08 / -0.00	7.00	+0.30 / -0.00	7.80
R014024075RA	14.00	+0.00 / -0.04	14.00	24.00	7.50	14.00	+0.00 / -0.04	24.00	+0.08 / -0.00	8.50	+0.30 / -0.00	7.80
R014024080RA	14.00	+0.00 / -0.04	14.00	24.00	8.00	14.00	+0.00 / -0.04	24.00	+0.08 / -0.00	9.00	+0.30 / -0.00	7.80
R015023050RA	15.00	+0.00 / -0.04	15.00	23.00	5.00	15.00	+0.00 / -0.04	23.00	+0.08 / -0.00	5.70	+0.30 / -0.00	9.20
R015025060RA	15.00	+0.00 / -0.04	15.00	25.00	6.00	15.00	+0.00 / -0.04	25.00	+0.08 / -0.00	7.00	+0.30 / -0.00	9.20
R015025080RA	15.00	+0.00 / -0.04	15.00	25.00	8.00	15.00	+0.00 / -0.04	25.00	+0.08 / -0.00	9.00	+0.30 / -0.00	9.20
R015028080RA	15.00	+0.00 / -0.04	15.00	28.00	8.00	15.00	+0.00 / -0.04	28.00	+0.08 / -0.00	9.00	+0.30 / -0.00	9.20
R015028100RA	15.00	+0.00 / -0.04	15.00	28.00	10.00	15.00	+0.00 / -0.04	28.00	+0.08 / -0.00	11.00	+0.30 / -0.00	9.20
R016024050RA	16.00	+0.00 / -0.04	16.00	24.00	5.00	16.00	+0.00 / -0.04	24.00	+0.08 / -0.00	5.70	+0.30 / -0.00	9.20
R016026060RA	16.00	+0.00 / -0.04	16.00	26.00	6.00	16.00	+0.00 / -0.04	26.00	+0.08 / -0.00	7.00	+0.30 / -0.00	9.20
R016026075RA	16.00	+0.00 / -0.04	16.00	26.00	7.50	16.00	+0.00 / -0.04	26.00	+0.08 / -0.00	8.50	+0.30 / -0.00	9.20
R016026080RA	16.00	+0.00 / -0.04	16.00	26.00	8.00	16.00	+0.00 / -0.04	26.00	+0.08 / -0.00	9.00	+0.30 / -0.00	9.20
R018026050RA	18.00	+0.00 / -0.04	18.00	26.00	5.00	18.00	+0.00 / -0.04	26.00	+0.08 / -0.00	5.70	+0.30 / -0.00	9.20

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R018028060RA	18.00	+0.00 / -0.04	18.00	28.00	6.00	18.00	+0.00 / -0.04	28.00	+0.08 / -0.00	7.00	+0.30 / -0.00	9.20
R018028080RA	18.00	+0.00 / -0.04	18.00	28.00	8.00	18.00	+0.00 / -0.04	28.00	+0.08 / -0.00	9.00	+0.30 / -0.00	9.20
R018031080RA	18.00	+0.00 / -0.04	18.00	31.00	8.00	18.00	+0.00 / -0.04	31.00	+0.08 / -0.00	9.00	+0.30 / -0.00	O/R
R018031100RA	18.00	+0.00 / -0.04	18.00	31.00	10.00	18.00	+0.00 / -0.04	31.00	+0.08 / -0.00	11.00	+0.30 / -0.00	O/R
R020028050RA	20.00	+0.00 / -0.04	20.00	28.00	5.00	20.00	+0.00 / -0.04	28.00	+0.08 / -0.00	5.70	+0.30 / -0.00	9.20
R020030060RA	20.00	+0.00 / -0.04	20.00	30.00	6.00	20.00	+0.00 / -0.04	30.00	+0.08 / -0.00	7.00	+0.30 / -0.00	9.20
R020030080RA	20.00	+0.00 / -0.04	20.00	30.00	8.00	20.00	+0.00 / -0.04	30.00	+0.08 / -0.00	9.00	+0.30 / -0.00	9.20
R020033080RA	20.00	+0.00 / -0.04	20.00	33.00	8.00	20.00	+0.00 / -0.04	33.00	+0.10 / -0.00	9.00	+0.30 / -0.00	9.20
R020033100RA	20.00	+0.00 / -0.04	20.00	33.00	10.00	20.00	+0.00 / -0.04	33.00	+0.10 / -0.00	11.00	+0.30 / -0.00	9.20
R022030050RA	22.40	+0.00 / -0.04	22.40	30.00	5.00	22.40	+0.00 / -0.04	30.00	+0.08 / -0.00	5.70	+0.30 / -0.00	9.20
R022035100RA	22.00	+0.00 / -0.04	22.00	35.00	10.00	22.00	+0.00 / -0.04	35.00	+0.10 / -0.00	11.00	+0.30 / -0.00	9.20
R023031050RA	23.50	+0.00 / -0.04	23.50	31.50	5.00	23.50	+0.00 / -0.04	31.50	+0.10 / -0.00	5.70	+0.30 / -0.00	O/R
R025033050RA	25.00	+0.00 / -0.04	25.00	33.00	5.00	25.00	+0.00 / -0.04	33.00	+0.10 / -0.00	5.70	+0.30 / -0.00	9.20
R025035050RA	25.00	+0.00 / -0.04	25.00	35.00	5.00	25.00	+0.00 / -0.04	35.00	+0.10 / -0.00	5.70	+0.30 / -0.00	9.20
R025035060RA	25.00	+0.00 / -0.04	25.00	35.00	6.00	25.00	+0.00 / -0.04	35.00	+0.10 / -0.00	7.00	+0.30 / -0.00	9.20
R025035080RA	25.00	+0.00 / -0.04	25.00	35.00	8.00	25.00	+0.00 / -0.04	35.00	+0.10 / -0.00	9.00	+0.30 / -0.00	9.20
R025038080RA	25.00	+0.00 / -0.04	25.00	38.00	8.00	25.00	+0.00 / -0.04	38.00	+0.10 / -0.00	9.00	+0.30 / -0.00	9.20
R025038100RA	25.00	+0.00 / -0.04	25.00	38.00	10.00	25.00	+0.00 / -0.04	38.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R025040090RA	25.00	+0.00 / -0.04	25.00	40.00	9.00	25.00	+0.00 / -0.04	40.00	+0.10 / -0.00	10.00	+0.30 / -0.00	10.60
R025040100RA	25.00	+0.00 / -0.04	25.00	40.00	10.00	25.00	+0.00 / -0.04	40.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R027040100RA	27.00	+0.00 / -0.04	27.00	40.00	10.00	27.00	+0.00 / -0.04	40.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R028035050RA	28.00	+0.00 / -0.04	28.00	35.50	5.00	28.00	+0.00 / -0.04	35.50	+0.10 / -0.00	5.70	+0.30 / -0.00	O/R
R028038060RA	28.00	+0.00 / -0.04	28.00	38.00	6.00	28.00	+0.00 / -0.04	38.00	+0.10 / -0.00	7.00	+0.30 / -0.00	10.60
R028038080RA	28.00	+0.00 / -0.04	28.00	38.00	8.00	28.00	+0.00 / -0.04	38.00	+0.10 / -0.00	9.00	+0.30 / -0.00	10.60
R028041080RA	28.00	+0.00 / -0.04	28.00	41.00	8.00	28.00	+0.00 / -0.04	41.00	+0.10 / -0.00	9.00	+0.30 / -0.00	10.60
R028041100RA	28.00	+0.00 / -0.04	28.00	41.00	10.00	28.00	+0.00 / -0.04	41.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R028043090RA	28.00	+0.00 / -0.04	28.00	43.00	9.00	28.00	+0.00 / -0.04	43.00	+0.10 / -0.00	10.00	+0.30 / -0.00	10.60
R028043100RA	28.00	+0.00 / -0.04	28.00	43.00	10.00	28.00	+0.00 / -0.04	43.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R030040060RA	30.00	+0.00 / -0.04	30.00	40.00	6.00	30.00	+0.00 / -0.04	40.00	+0.10 / -0.00	7.00	+0.30 / -0.00	10.60
R030040080RA	30.00	+0.00 / -0.04	30.00	40.00	8.00	30.00	+0.00 / -0.04	40.00	+0.10 / -0.00	9.00	+0.30 / -0.00	10.60
R030043100RA	30.00	+0.00 / -0.04	30.00	43.00	10.00	30.00	+0.00 / -0.04	43.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R030045090RA	30.00	+0.00 / -0.04	30.00	45.00	9.00	30.00	+0.00 / -0.04	45.00	+0.10 / -0.00	10.00	+0.30 / -0.00	10.60
R030045100RA	30.00	+0.00 / -0.04	30.00	45.00	10.00	30.00	+0.00 / -0.04	45.00	+0.10 / -0.00	11.00	+0.30 / -0.00	10.60
R031041060RA-1	31.50	+0.00 / -0.04	31.50	41.50	6.00	31.50	+0.00 / -0.04	41.50	+0.10 / -0.00	7.00	+0.30 / -0.00	10.60
R034050120RA	34.00	+0.00 / -0.04	34.00	50.00	12.00	34.00	+0.00 / -0.04	50.00	+0.10 / -0.00	13.00	+0.30 / -0.00	12.60
R035045060RA	35.00	+0.00 / -0.04	35.00	45.00	6.00	35.00	+0.00 / -0.04	45.00	+0.10 / -0.00	7.00	+0.30 / -0.00	12.60
R035045070RA	35.00	+0.00 / -0.04	35.00	45.00	7.00	35.00	+0.00 / -0.04	45.00	+0.10 / -0.00	8.00	+0.30 / -0.00	12.60
R035045080RA	35.00	+0.00 / -0.04	35.00	45.00	8.00	35.00	+0.00 / -0.04	45.00	+0.10 / -0.00	9.00	+0.30 / -0.00	12.60
R035050090RA	35.00	+0.00 / -0.04	35.00	50.00	9.00	35.00	+0.00 / -0.04	50.00	+0.10 / -0.00	10.00	+0.30 / -0.00	12.60
R035050100RA	35.00	+0.00 / -0.04	35.00	50.00	10.00	35.00	+0.00 / -0.04	50.00	+0.10 / -0.00	11.00	+0.30 / -0.00	12.60
R036052120RA	36.00	+0.00 / -0.04	36.00	52.00	12.00	36.00	+0.00 / -0.04	52.00	+0.12 / -0.00	13.00	+0.30 / -0.00	12.60
R040050060RA	40.00	+0.00 / -0.05	40.00	50.00	6.00	40.00	+0.00 / -0.05	50.00	+0.10 / -0.00	7.00	+0.30 / -0.00	16.05
R040050080RA	40.00	+0.00 / -0.05	40.00	50.00	8.00	40.00	+0.00 / -0.05	50.00	+0.10 / -0.00	9.00	+0.30 / -0.00	16.05
R040055090RA	40.00	+0.00 / -0.05	40.00	55.00	9.00	40.00	+0.00 / -0.05	55.00	+0.12 / -0.00	10.00	+0.30 / -0.00	16.05
R040055100RA	40.00	+0.00 / -0.05	40.00	55.00	10.00	40.00	+0.00 / -0.05	55.00	+0.12 / -0.00	11.00	+0.30 / -0.00	16.05
R040056100RA	40.00	+0.00 / -0.05	40.00	56.00	10.00	40.00	+0.00 / -0.05	56.00	+0.12 / -0.00	11.00	+0.30 / -0.00	16.05
R040056120RA	40.00	+0.00 / -0.05	40.00	56.00	12.00	40.00	+0.00 / -0.05	56.00	+0.12 / -0.00	13.00	+0.30 / -0.00	16.05
R045055060RA	45.00	+0.00 / -0.05	45.00	55.00	6.00	45.00	+0.00 / -0.05	55.00	+0.12 / -0.00	7.00	+0.30 / -0.00	16.05

RA SERIES - AU 94A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R045055070RA	45.00	+0.00 / -0.05	45.00	55.00	7.00	45.00	+0.00 / -0.05	55.00	+0.12 / -0.00	8.00	+0.30 / -0.00	16.05
R045055080RA	45.00	+0.00 / -0.05	45.00	55.00	8.00	45.00	+0.00 / -0.05	55.00	+0.12 / -0.00	9.00	+0.30 / -0.00	16.05
R045056070RA	45.00	+0.00 / -0.05	45.00	56.00	7.00	45.00	+0.00 / -0.05	56.00	+0.12 / -0.00	8.00	+0.30 / -0.00	16.05
R045060090RA	45.00	+0.00 / -0.05	45.00	60.00	9.00	45.00	+0.00 / -0.05	60.00	+0.12 / -0.00	10.00	+0.30 / -0.00	16.05
R045060100RA	45.00	+0.00 / -0.05	45.00	60.00	10.00	45.00	+0.00 / -0.05	60.00	+0.12 / -0.00	11.00	+0.30 / -0.00	15.20
R045061100RA	45.00	+0.00 / -0.05	45.00	61.00	10.00	45.00	+0.00 / -0.05	61.00	+0.12 / -0.00	11.00	+0.30 / -0.00	16.05
R045061120RA	45.00	+0.00 / -0.05	45.00	61.00	12.00	45.00	+0.00 / -0.05	61.00	+0.12 / -0.00	13.00	+0.30 / -0.00	16.05
R047063120RA	47.00	+0.00 / -0.05	47.00	63.00	12.00	47.00	+0.00 / -0.05	63.00	+0.12 / -0.00	13.00	+0.30 / -0.00	16.05
R050060060RA	50.00	+0.00 / -0.05	50.00	60.00	6.00	50.00	+0.00 / -0.05	60.00	+0.12 / -0.00	7.00	+0.30 / -0.00	16.05
R050060080RA	50.00	+0.00 / -0.05	50.00	60.00	8.00	50.00	+0.00 / -0.05	60.00	+0.12 / -0.00	9.00	+0.30 / -0.00	16.05
R050063100RA	50.00	+0.00 / -0.05	50.00	63.00	10.00	50.00	+0.00 / -0.05	63.00	+0.12 / -0.00	11.00	+0.30 / -0.00	16.05
R050065090RA	50.00	+0.00 / -0.05	50.00	65.00	9.00	50.00	+0.00 / -0.05	65.00	+0.12 / -0.00	10.00	+0.30 / -0.00	16.05
R050065100RA	50.00	+0.00 / -0.05	50.00	65.00	10.00	50.00	+0.00 / -0.05	65.00	+0.12 / -0.00	11.00	+0.30 / -0.00	16.05
R050066100RA	50.00	+0.00 / -0.05	50.00	66.00	10.00	50.00	+0.00 / -0.05	66.00	+0.12 / -0.00	11.00	+0.30 / -0.00	16.05
R050066120RA	50.00	+0.00 / -0.05	50.00	66.00	12.00	50.00	+0.00 / -0.05	66.00	+0.12 / -0.00	13.00	+0.30 / -0.00	16.05
R050070120RA	50.00	+0.00 / -0.05	50.00	70.00	12.00	50.00	+0.00 / -0.05	70.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.05
R053063060RA	53.00	+0.00 / -0.05	53.00	63.00	6.00	53.00	+0.00 / -0.05	63.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.05
R053069120RA	53.00	+0.00 / -0.05	53.00	69.00	12.00	53.00	+0.00 / -0.05	69.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.05
R055065060RA	55.00	+0.00 / -0.05	55.00	65.00	6.00	55.00	+0.00 / -0.05	65.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.05
R055065080RA	55.00	+0.00 / -0.05	55.00	65.00	8.00	55.00	+0.00 / -0.05	65.00	+0.12 / -0.00	9.00	+0.30 / -0.00	21.05
R055068100RA	55.00	+0.00 / -0.05	55.00	68.00	10.00	55.00	+0.00 / -0.05	68.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.05
R055070090RA	55.00	+0.00 / -0.05	55.00	70.00	9.00	55.00	+0.00 / -0.05	70.00	+0.12 / -0.00	10.00	+0.30 / -0.00	21.05
R055070100RA	55.00	+0.00 / -0.05	55.00	70.00	10.00	55.00	+0.00 / -0.05	70.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.05
R055071100RA	55.00	+0.00 / -0.05	55.00	71.00	10.00	55.00	+0.00 / -0.05	71.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.05
R055071120RA	55.00	+0.00 / -0.05	55.00	71.00	12.00	55.00	+0.00 / -0.05	71.00	+0.12 / -0.00	13.00	+0.30 / -0.00	O/R
R055075120RA	55.00	+0.00 / -0.05	55.00	75.00	12.00	55.00	+0.00 / -0.05	75.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.05
R056066060RA	56.00	+0.00 / -0.05	56.00	66.00	6.00	56.00	+0.00 / -0.05	66.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.05
R056066080RA	56.00	+0.00 / -0.05	56.00	66.00	8.00	56.00	+0.00 / -0.05	66.00	+0.12 / -0.00	9.00	+0.30 / -0.00	O/R
R056071090RA	56.00	+0.00 / -0.05	56.00	71.00	9.00	56.00	+0.00 / -0.05	71.00	+0.12 / -0.00	10.00	+0.30 / -0.00	21.05
R056071100RA	56.00	+0.00 / -0.05	56.00	71.00	10.00	56.00	+0.00 / -0.05	71.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.05
R056072100RA	56.00	+0.00 / -0.05	56.00	72.00	10.00	56.00	+0.00 / -0.05	72.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.05
R056072120RA	56.00	+0.00 / -0.05	56.00	72.00	12.00	56.00	+0.00 / -0.05	72.00	+0.12 / -0.00	13.00	+0.30 / -0.00	O/R
R056076120RA	56.00	+0.00 / -0.05	56.00	76.00	12.00	56.00	+0.00 / -0.05	76.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.05
R060070060RA	60.00	+0.00 / -0.05	60.00	70.00	6.00	60.00	+0.00 / -0.05	70.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.80
R060070080RA	60.00	+0.00 / -0.05	60.00	70.00	8.00	60.00	+0.00 / -0.05	70.00	+0.12 / -0.00	9.00	+0.30 / -0.00	21.80
R060071070RA	60.00	+0.00 / -0.05	60.00	71.00	7.00	60.00	+0.00 / -0.05	71.00	+0.12 / -0.00	8.00	+0.30 / -0.00	21.80
R060073100RA	60.00	+0.00 / -0.05	60.00	73.00	10.00	60.00	+0.00 / -0.05	73.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.80
R060075090RA	60.00	+0.00 / -0.05	60.00	75.00	9.00	60.00	+0.00 / -0.05	75.00	+0.12 / -0.00	10.00	+0.30 / -0.00	21.80
R060075100RA	60.00	+0.00 / -0.05	60.00	75.00	10.00	60.00	+0.00 / -0.05	75.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.80
R060076100RA	60.00	+0.00 / -0.05	60.00	76.00	10.00	60.00	+0.00 / -0.05	76.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.80
R060076120RA	60.00	+0.00 / -0.05	60.00	76.00	12.00	60.00	+0.00 / -0.05	76.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.80
R060080120RA	60.00	+0.00 / -0.05	60.00	80.00	12.00	60.00	+0.00 / -0.05	80.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.80
R063073060RA	63.00	+0.00 / -0.05	63.00	73.00	6.00	63.00	+0.00 / -0.05	73.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.80
R063073080RA	63.00	+0.00 / -0.05	63.00	73.00	8.00	63.00	+0.00 / -0.05	73.00	+0.12 / -0.00	9.00	+0.30 / -0.00	21.80
R063078090RA	63.00	+0.00 / -0.05	63.00	78.00	9.00	63.00	+0.00 / -0.05	78.00	+0.12 / -0.00	10.00	+0.30 / -0.00	21.80
R063078100RA	63.00	+0.00 / -0.05	63.00	78.00	10.00	63.00	+0.00 / -0.05	78.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.80
R063079100RA	63.00	+0.00 / -0.05	63.00	79.00	10.00	63.00	+0.00 / -0.05	79.00	+0.12 / -0.00	11.00	+0.30 / -0.00	O/R
R063079120RA	63.00	+0.00 / -0.05	63.00	79.00	12.00	63.00	+0.00 / -0.05	79.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.80

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R063083120RA	63.00	+0.00 / -0.05	63.00	83.00	12.00	63.00	+0.00 / -0.05	83.00	+0.14 / -0.00	13.00	+0.30 / -0.00	21.80
R064080120RA	64.00	+0.00 / -0.06	64.00	80.00	12.00	64.00	+0.00 / -0.06	80.00	+0.12 / -0.00	13.00	+0.30 / -0.00	21.80
R065075060RA	65.00	+0.00 / -0.06	65.00	75.00	6.00	65.00	+0.00 / -0.06	75.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.80
R065075080RA	65.00	+0.00 / -0.06	65.00	75.00	8.00	65.00	+0.00 / -0.06	75.00	+0.12 / -0.00	9.00	+0.30 / -0.00	21.80
R065078100RA	65.00	+0.00 / -0.06	65.00	78.00	10.00	65.00	+0.00 / -0.06	78.00	+0.12 / -0.00	11.00	+0.30 / -0.00	21.80
R065080090RA	65.00	+0.00 / -0.06	65.00	80.00	9.00	65.00	+0.00 / -0.06	80.00	+0.12 / -0.00	10.00	+0.30 / -0.00	21.80
R065080120RA	65.00	+0.00 / -0.06	65.00	80.00	12.00	65.00	+0.00 / -0.06	80.00	+0.12 / -0.00	13.00	+0.30 / -0.00	O/R
R065085120RA	65.00	+0.00 / -0.06	65.00	85.00	12.00	65.00	+0.00 / -0.06	85.00	+0.14 / -0.00	13.00	+0.30 / -0.00	21.80
R067077060RA	67.00	+0.00 / -0.06	67.00	77.00	6.00	67.00	+0.00 / -0.06	77.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.80
R067082090RA	67.00	+0.00 / -0.06	67.00	82.00	9.00	67.00	+0.00 / -0.06	82.00	+0.14 / -0.00	10.00	+0.30 / -0.00	21.80
R067087150RA	67.00	+0.00 / -0.06	67.00	87.00	15.00	67.00	+0.00 / -0.06	87.00	+0.14 / -0.00	16.00	+0.30 / -0.00	21.80
R070080060RA	70.00	+0.00 / -0.06	70.00	80.00	6.00	70.00	+0.00 / -0.06	80.00	+0.12 / -0.00	7.00	+0.30 / -0.00	21.80
R070080080RA	70.00	+0.00 / -0.06	70.00	80.00	8.00	70.00	+0.00 / -0.06	80.00	+0.12 / -0.00	9.00	+0.30 / -0.00	21.80
R070083100RA	70.00	+0.00 / -0.06	70.00	83.00	10.00	70.00	+0.00 / -0.06	83.00	+0.14 / -0.00	11.00	+0.30 / -0.00	21.80
R070085090RA	70.00	+0.00 / -0.06	70.00	85.00	9.00	70.00	+0.00 / -0.06	85.00	+0.14 / -0.00	10.00	+0.30 / -0.00	21.80
R070085100RA	70.00	+0.00 / -0.06	70.00	85.00	10.00	70.00	+0.00 / -0.06	85.00	+0.14 / -0.00	11.00	+0.30 / -0.00	21.80
R070090120RA	70.00	+0.00 / -0.06	70.00	90.00	12.00	70.00	+0.00 / -0.06	90.00	+0.14 / -0.00	13.00	+0.30 / -0.00	21.80
R070090150RA	70.00	+0.00 / -0.06	70.00	90.00	15.00	70.00	+0.00 / -0.06	90.00	+0.14 / -0.00	16.00	+0.30 / -0.00	21.80
R071081060RA	71.00	+0.00 / -0.06	71.00	81.00	6.00	71.00	+0.00 / -0.06	81.00	+0.14 / -0.00	7.00	+0.30 / -0.00	21.80
R071081080RA	71.00	+0.00 / -0.06	71.00	81.00	8.00	71.00	+0.00 / -0.06	81.00	+0.14 / -0.00	9.00	+0.30 / -0.00	25.25
R071086090RA	71.00	+0.00 / -0.06	71.00	86.00	9.00	71.00	+0.00 / -0.06	86.00	+0.14 / -0.00	10.00	+0.30 / -0.00	25.25
R071086100RA	71.00	+0.00 / -0.06	71.00	86.00	10.00	71.00	+0.00 / -0.06	86.00	+0.14 / -0.00	11.00	+0.30 / -0.00	25.25
R071091120RA	71.00	+0.00 / -0.06	71.00	91.00	12.00	71.00	+0.00 / -0.06	91.00	+0.14 / -0.00	13.00	+0.30 / -0.00	25.25
R071091150RA	71.00	+0.00 / -0.06	71.00	91.00	15.00	71.00	+0.00 / -0.06	91.00	+0.14 / -0.00	16.00	+0.30 / -0.00	25.25
R075085060RA	75.00	+0.00 / -0.06	75.00	85.00	6.00	75.00	+0.00 / -0.06	85.00	+0.14 / -0.00	7.00	+0.30 / -0.00	25.25
R075085080RA	75.00	+0.00 / -0.06	75.00	85.00	8.00	75.00	+0.00 / -0.06	85.00	+0.14 / -0.00	9.00	+0.30 / -0.00	25.25
R075088100RA	75.00	+0.00 / -0.06	75.00	88.00	10.00	75.00	+0.00 / -0.06	88.00	+0.14 / -0.00	11.00	+0.30 / -0.00	27.15
R075090090RA	75.00	+0.00 / -0.06	75.00	90.00	9.00	75.00	+0.00 / -0.06	90.00	+0.14 / -0.00	10.00	+0.30 / -0.00	27.15
R075090100RA	75.00	+0.00 / -0.06	75.00	90.00	10.00	75.00	+0.00 / -0.06	90.00	+0.14 / -0.00	11.00	+0.30 / -0.00	27.15
R075095120RA	75.00	+0.00 / -0.06	75.00	95.00	12.00	75.00	+0.00 / -0.06	95.00	+0.14 / -0.00	13.00	+0.30 / -0.00	27.15
R075095150RA	75.00	+0.00 / -0.06	75.00	95.00	15.00	75.00	+0.00 / -0.06	95.00	+0.14 / -0.00	16.00	+0.30 / -0.00	27.15
R080090060RA	80.00	+0.00 / -0.09	80.00	90.00	6.00	80.00	+0.00 / -0.09	90.00	+0.14 / -0.00	7.00	+0.30 / -0.00	28.25
R080090080RA	80.00	+0.00 / -0.09	80.00	90.00	8.00	80.00	+0.00 / -0.09	90.00	+0.14 / -0.00	9.00	+0.30 / -0.00	28.25
R080093100RA	80.00	+0.00 / -0.09	80.00	93.00	10.00	80.00	+0.00 / -0.09	93.00	+0.14 / -0.00	11.00	+0.30 / -0.00	28.25
R080095090RA	80.00	+0.00 / -0.09	80.00	95.00	9.00	80.00	+0.00 / -0.09	95.00	+0.14 / -0.00	10.00	+0.30 / -0.00	28.25
R080095100RA	80.00	+0.00 / -0.09	80.00	95.00	10.00	80.00	+0.00 / -0.09	95.00	+0.14 / -0.00	11.00	+0.30 / -0.00	28.25
R080100120RA	80.00	+0.00 / -0.09	80.00	100.00	12.00	80.00	+0.00 / -0.09	100.00	+0.14 / -0.00	13.00	+0.30 / -0.00	28.25
R080100150RA	80.00	+0.00 / -0.09	80.00	100.00	15.00	80.00	+0.00 / -0.09	100.00	+0.14 / -0.00	16.00	+0.30 / -0.00	28.25
R085100090RA	85.00	+0.00 / -0.09	85.00	100.00	9.00	85.00	+0.00 / -0.09	100.00	+0.14 / -0.00	10.00	+0.30 / -0.00	28.25
R085100100RA	85.00	+0.00 / -0.09	85.00	100.00	10.00	85.00	+0.00 / -0.09	100.00	+0.14 / -0.00	11.00	+0.30 / -0.00	28.25
R085105120RA	85.00	+0.00 / -0.09	85.00	105.00	12.00	85.00	+0.00 / -0.09	105.00	+0.14 / -0.00	13.00	+0.30 / -0.00	28.25
R085105150RA	85.00	+0.00 / -0.09	85.00	105.00	15.00	85.00	+0.00 / -0.09	105.00	+0.14 / -0.00	16.00	+0.30 / -0.00	28.25
R090100060RA	90.00	+0.00 / -0.09	90.00	100.00	6.00	90.00	+0.00 / -0.09	100.00	+0.14 / -0.00	7.00	+0.30 / -0.00	28.25
R090105090RA	90.00	+0.00 / -0.09	90.00	105.00	9.00	90.00	+0.00 / -0.09	105.00	+0.14 / -0.00	10.00	+0.30 / -0.00	28.25
R090105100RA	90.00	+0.00 / -0.09	90.00	105.00	10.00	90.00	+0.00 / -0.09	105.00	+0.14 / -0.00	11.00	+0.30 / -0.00	33.25
R090110120RA	90.00	+0.00 / -0.09	90.00	110.00	12.00	90.00	+0.00 / -0.09	110.00	+0.14 / -0.00	13.00	+0.30 / -0.00	33.25
R090110150RA	90.00	+0.00 / -0.09	90.00	110.00	15.00	90.00	+0.00 / -0.09	110.00	+0.14 / -0.00	16.00	+0.30 / -0.00	33.25
R095110090RA	95.00	+0.00 / -0.09	95.00	110.00	9.00	95.00	+0.00 / -0.09	110.00	+0.14 / -0.00	10.00	+0.30 / -0.00	35.20

RA SERIES - AU 94A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R095110100RA	95.00	+0.00 / -0.09	95.00	110.00	10.00	95.00	+0.00 / -0.09	110.00	+0.14 / -0.00	11.00	+0.30 / -0.00	35.20
R095115120RA	95.00	+0.00 / -0.09	95.00	115.00	12.00	95.00	+0.00 / -0.09	115.00	+0.14 / -0.00	13.00	+0.30 / -0.00	35.20
R095115150RA	95.00	+0.00 / -0.09	95.00	115.00	15.00	95.00	+0.00 / -0.09	115.00	+0.14 / -0.00	16.00	+0.30 / -0.00	35.20
R098112085RA	98.00	+0.00 / -0.09	98.00	112.00	8.50	98.00	+0.00 / -0.09	112.00	+0.14 / -0.00	9.50	+0.30 / -0.00	35.20
R100115090RA	100.00	+0.00 / -0.09	100.00	115.00	9.00	100.00	+0.00 / -0.09	115.00	+0.14 / -0.00	10.00	+0.30 / -0.00	35.20
R100115100RA	100.00	+0.00 / -0.09	100.00	115.00	10.00	100.00	+0.00 / -0.09	115.00	+0.14 / -0.00	11.00	+0.30 / -0.00	35.20
R100120120RA	100.00	+0.00 / -0.09	100.00	120.00	12.00	100.00	+0.00 / -0.09	120.00	+0.14 / -0.00	13.00	+0.30 / -0.00	35.20
R100120150RA	100.00	+0.00 / -0.09	100.00	120.00	15.00	100.00	+0.00 / -0.09	120.00	+0.14 / -0.00	16.00	+0.30 / -0.00	35.20
R105120090RA	105.00	+0.00 / -0.13	105.00	120.00	9.00	105.00	+0.00 / -0.13	120.00	+0.14 / -0.00	10.00	+0.30 / -0.00	35.20
R105120100RA	105.00	+0.00 / -0.13	105.00	120.00	10.00	105.00	+0.00 / -0.13	120.00	+0.14 / -0.00	11.00	+0.30 / -0.00	40.95
R105125120RA	105.00	+0.00 / -0.13	105.00	125.00	12.00	105.00	+0.00 / -0.13	125.00	+0.16 / -0.00	13.00	+0.30 / -0.00	40.95
R105125150RA	105.00	+0.00 / -0.13	105.00	125.00	15.00	105.00	+0.00 / -0.13	125.00	+0.16 / -0.00	16.00	+0.30 / -0.00	40.95
R105125160RA	105.00	+0.00 / -0.13	105.00	125.00	16.00	105.00	+0.00 / -0.13	125.00	+0.16 / -0.00	17.00	+0.30 / -0.00	40.95
R106120085RA	106.00	+0.00 / -0.13	106.00	120.00	8.50	106.00	+0.00 / -0.13	120.00	+0.14 / -0.00	9.50	+0.30 / -0.00	40.95
R106121090RA	106.00	+0.00 / -0.13	106.00	121.00	9.00	106.00	+0.00 / -0.13	121.00	+0.16 / -0.00	10.00	+0.30 / -0.00	40.95
R106121100RA	106.00	+0.00 / -0.13	106.00	121.00	10.00	106.00	+0.00 / -0.13	121.00	+0.16 / -0.00	11.00	+0.30 / -0.00	40.95
R106126150RA	106.00	+0.00 / -0.13	106.00	126.00	15.00	106.00	+0.00 / -0.13	126.00	+0.16 / -0.00	16.00	+0.30 / -0.00	40.95
R106126160RA	106.00	+0.00 / -0.13	106.00	126.00	16.00	106.00	+0.00 / -0.13	126.00	+0.16 / -0.00	17.00	+0.30 / -0.00	40.95
R110125090RA	110.00	+0.00 / -0.13	110.00	125.00	9.00	110.00	+0.00 / -0.13	125.00	+0.16 / -0.00	10.00	+0.30 / -0.00	42.90
R110125100RA	110.00	+0.00 / -0.13	110.00	125.00	10.00	110.00	+0.00 / -0.13	125.00	+0.16 / -0.00	10.00	+0.30 / -0.00	O/R
R110130120RA	110.00	+0.00 / -0.13	110.00	130.00	12.00	110.00	+0.00 / -0.13	130.00	+0.16 / -0.00	13.00	+0.30 / -0.00	42.90
R110130150RA	110.00	+0.00 / -0.13	110.00	130.00	15.00	110.00	+0.00 / -0.13	130.00	+0.16 / -0.00	16.00	+0.30 / -0.00	42.90
R110130160RA	110.00	+0.00 / -0.13	110.00	130.00	16.00	110.00	+0.00 / -0.13	130.00	+0.16 / -0.00	17.00	+0.30 / -0.00	42.90
R112125090RA	112.00	+0.00 / -0.13	112.00	125.00	9.00	112.00	+0.00 / -0.13	125.00	+0.16 / -0.00	10.00	+0.30 / -0.00	49.65
R112127090RA	112.00	+0.00 / -0.13	112.00	127.00	9.00	112.00	+0.00 / -0.13	127.00	+0.16 / -0.00	10.00	+0.30 / -0.00	49.65
R112127100RA	112.00	+0.00 / -0.13	112.00	127.00	10.00	112.00	+0.00 / -0.13	127.00	+0.16 / -0.00	11.00	+0.30 / -0.00	49.65
R112132150RA	112.00	+0.00 / -0.13	112.00	132.00	15.00	112.00	+0.00 / -0.13	132.00	+0.16 / -0.00	16.00	+0.30 / -0.00	49.65
R112132160RA	112.00	+0.00 / -0.13	112.00	132.00	16.00	112.00	+0.00 / -0.13	132.00	+0.16 / -0.00	17.00	+0.30 / -0.00	49.65
R115130090RA	115.00	+0.00 / -0.13	115.00	130.00	9.00	115.00	+0.00 / -0.13	130.00	+0.16 / -0.00	10.00	+0.30 / -0.00	49.65
R115135120RA	115.00	+0.00 / -0.13	115.00	135.00	12.00	115.00	+0.00 / -0.13	135.00	+0.16 / -0.00	13.00	+0.30 / -0.00	49.65
R118133090RA	118.00	+0.00 / -0.13	118.00	133.00	9.00	118.00	+0.00 / -0.13	133.00	+0.16 / -0.00	10.00	+0.30 / -0.00	49.65
R118133100RA	118.00	+0.00 / -0.13	118.00	133.00	10.00	118.00	+0.00 / -0.13	133.00	+0.16 / -0.00	11.00	+0.30 / -0.00	49.65
R118138150RA	118.00	+0.00 / -0.13	118.00	138.00	15.00	118.00	+0.00 / -0.13	138.00	+0.16 / -0.00	16.00	+0.30 / -0.00	49.65
R118138160RA	118.00	+0.00 / -0.13	118.00	138.00	16.00	118.00	+0.00 / -0.13	138.00	+0.16 / -0.00	17.00	+0.30 / -0.00	49.65
R120135090RA	120.00	+0.00 / -0.13	120.00	135.00	9.00	120.00	+0.00 / -0.13	135.00	+0.16 / -0.00	10.00	+0.30 / -0.00	49.65
R120135100RA	120.00	+0.00 / -0.13	120.00	135.00	10.00	120.00	+0.00 / -0.13	135.00	+0.16 / -0.00	11.00	+0.30 / -0.00	49.65
R120140120RA	120.00	+0.00 / -0.13	120.00	140.00	12.00	120.00	+0.00 / -0.13	140.00	+0.16 / -0.00	13.00	+0.30 / -0.00	49.65
R120140130RA	120.00	+0.00 / -0.13	120.00	140.00	13.00	120.00	+0.00 / -0.13	140.00	+0.16 / -0.00	14.00	+0.30 / -0.00	49.65
R120140150RA	120.00	+0.00 / -0.13	120.00	140.00	15.00	120.00	+0.00 / -0.13	140.00	+0.16 / -0.00	16.00	+0.30 / -0.00	49.65
R120140160RA	120.00	+0.00 / -0.13	120.00	140.00	16.00	120.00	+0.00 / -0.13	140.00	+0.16 / -0.00	17.00	+0.30 / -0.00	49.65
R125140090RA	125.00	+0.00 / -0.13	125.00	140.00	9.00	125.00	+0.00 / -0.13	140.00	+0.16 / -0.00	10.00	+0.30 / -0.00	49.65
R125140100RA	125.00	+0.00 / -0.13	125.00	140.00	10.00	125.00	+0.00 / -0.13	140.00	+0.16 / -0.00	11.00	+0.30 / -0.00	49.65
R125145120RA	125.00	+0.00 / -0.13	125.00	145.00	12.00	125.00	+0.00 / -0.13	145.00	+0.16 / -0.00	13.00	+0.30 / -0.00	52.30
R125145160RA	125.00	+0.00 / -0.13	125.00	145.00	16.00	125.00	+0.00 / -0.13	145.00	+0.16 / -0.00	17.00	+0.30 / -0.00	52.30
R125150190RA	125.00	+0.00 / -0.13	125.00	150.00	19.00	125.00	+0.00 / -0.13	150.00	+0.16 / -0.00	20.00	+0.30 / -0.00	52.30
R125150200RA	125.00	+0.00 / -0.13	125.00	150.00	20.00	125.00	+0.00 / -0.13	150.00	+0.16 / -0.00	21.00	+0.30 / -0.00	52.30
R130145090RA	130.00	+0.00 / -0.13	130.00	145.00	9.00	130.00	+0.00 / -0.13	145.00	+0.16 / -0.00	10.00	+0.30 / -0.00	64.85
R130145100RA	130.00	+0.00 / -0.13	130.00	145.00	10.00	130.00	+0.00 / -0.13	145.00	+0.16 / -0.00	11.00	+0.30 / -0.00	64.85

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R130150120RA	130.00	+0.00 / -0.13	130.00	150.00	12.00	130.00	+0.00 / -0.13	150.00	+0.16 / -0.00	13.00	+0.30 / -0.00	64.85
R130150160RA	130.00	+0.00 / -0.13	130.00	150.00	16.00	130.00	+0.00 / -0.13	150.00	+0.16 / -0.00	17.00	+0.30 / -0.00	64.85
R132157200RA	132.00	+0.00 / -0.13	132.00	157.00	20.00	132.00	+0.00 / -0.13	157.00	+0.16 / -0.00	21.00	+0.30 / -0.00	64.85
R135160190RA	135.00	+0.00 / -0.13	135.00	160.00	19.00	135.00	+0.00 / -0.13	160.00	+0.16 / -0.00	20.00	+0.30 / -0.00	64.85
R135160200RA	135.00	+0.00 / -0.13	135.00	160.00	20.00	135.00	+0.00 / -0.13	160.00	+0.16 / -0.00	21.00	+0.30 / -0.00	O/R
R140150060RA	140.00	+0.00 / -0.13	140.00	150.00	6.00	140.00	+0.00 / -0.13	150.00	+0.16 / -0.00	7.00	+0.30 / -0.00	80.80
R140155090RA	140.00	+0.00 / -0.13	140.00	155.00	9.00	140.00	+0.00 / -0.13	155.00	+0.16 / -0.00	10.00	+0.30 / -0.00	80.80
R140155100RA	140.00	+0.00 / -0.13	140.00	155.00	10.00	140.00	+0.00 / -0.13	155.00	+0.16 / -0.00	11.00	+0.30 / -0.00	80.80
R140160090RA	140.00	+0.00 / -0.13	140.00	160.00	9.00	140.00	+0.00 / -0.13	160.00	+0.16 / -0.00	10.00	+0.30 / -0.00	80.80
R140160120RA	140.00	+0.00 / -0.13	140.00	160.00	12.00	140.00	+0.00 / -0.13	160.00	+0.16 / -0.00	13.00	+0.30 / -0.00	80.80
R140160160RA	140.00	+0.00 / -0.13	140.00	160.00	16.00	140.00	+0.00 / -0.13	160.00	+0.16 / -0.00	17.00	+0.30 / -0.00	80.80
R140165190RA	140.00	+0.00 / -0.13	140.00	165.00	19.00	140.00	+0.00 / -0.13	165.00	+0.16 / -0.00	20.00	+0.30 / -0.00	80.80
R140165200RA	140.00	+0.00 / -0.13	140.00	165.00	20.00	140.00	+0.00 / -0.13	165.00	+0.16 / -0.00	21.00	+0.30 / -0.00	80.80
R145170190RA	145.00	+0.00 / -0.13	145.00	170.00	19.00	145.00	+0.00 / -0.13	170.00	+0.16 / -0.00	20.00	+0.30 / -0.00	101.65
R145170200RA	145.00	+0.00 / -0.13	145.00	170.00	20.00	145.00	+0.00 / -0.13	170.00	+0.16 / -0.00	21.00	+0.30 / -0.00	101.65
R150165090RA	150.00	+0.00 / -0.13	150.00	165.00	9.00	150.00	+0.00 / -0.13	165.00	+0.16 / -0.00	10.00	+0.30 / -0.00	101.65
R150165100RA	150.00	+0.00 / -0.13	150.00	165.00	10.00	150.00	+0.00 / -0.13	165.00	+0.16 / -0.00	11.00	+0.30 / -0.00	101.65
R150170120RA	150.00	+0.00 / -0.13	150.00	170.00	12.00	150.00	+0.00 / -0.13	170.00	+0.16 / -0.00	13.00	+0.30 / -0.00	101.65
R150170160RA	150.00	+0.00 / -0.13	150.00	170.00	16.00	150.00	+0.00 / -0.13	170.00	+0.16 / -0.00	17.00	+0.30 / -0.00	O/R
R150175160RA	150.00	+0.00 / -0.13	150.00	175.00	16.00	150.00	+0.00 / -0.13	175.00	+0.16 / -0.00	17.00	+0.30 / -0.00	104.50
R150175200RA	150.00	+0.00 / -0.13	150.00	175.00	20.00	150.00	+0.00 / -0.13	175.00	+0.16 / -0.00	21.00	+0.30 / -0.00	O/R
R155170090RA	155.00	+0.00 / -0.13	155.00	170.00	9.00	155.00	+0.00 / -0.13	170.00	+0.16 / -0.00	10.00	+0.30 / -0.00	104.50
R155180190RA	155.00	+0.00 / -0.13	155.00	180.00	19.00	155.00	+0.00 / -0.13	180.00	+0.16 / -0.00	20.00	+0.30 / -0.00	O/R
R155180200RA	155.00	+0.00 / -0.13	155.00	180.00	20.00	155.00	+0.00 / -0.13	180.00	+0.16 / -0.00	21.00	+0.30 / -0.00	O/R
R160175090RA	160.00	+0.00 / -0.13	160.00	175.00	9.00	160.00	+0.00 / -0.13	175.00	+0.16 / -0.00	10.00	+0.30 / -0.00	161.10
R160175100RA	160.00	+0.00 / -0.13	160.00	175.00	10.00	160.00	+0.00 / -0.13	175.00	+0.16 / -0.00	11.00	+0.30 / -0.00	161.10
R160180120RA	160.00	+0.00 / -0.13	160.00	180.00	12.00	160.00	+0.00 / -0.13	180.00	+0.16 / -0.00	13.00	+0.30 / -0.00	161.10
R160180160RA	160.00	+0.00 / -0.13	160.00	180.00	16.00	160.00	+0.00 / -0.13	180.00	+0.16 / -0.00	17.00	+0.30 / -0.00	168.20
R160185160RA	160.00	+0.00 / -0.13	160.00	185.00	16.00	160.00	+0.00 / -0.13	185.00	+0.18 / -0.00	17.00	+0.30 / -0.00	182.70
R160185190RA	160.00	+0.00 / -0.13	160.00	185.00	19.00	160.00	+0.00 / -0.13	185.00	+0.18 / -0.00	20.00	+0.30 / -0.00	182.70
R160185200RA	160.00	+0.00 / -0.13	160.00	185.00	20.00	160.00	+0.00 / -0.13	185.00	+0.18 / -0.00	21.00	+0.30 / -0.00	182.70
R165180090RA	165.00	+0.00 / -0.13	165.00	180.00	9.00	165.00	+0.00 / -0.13	180.00	+0.16 / -0.00	10.00	+0.30 / -0.00	182.70
R170185090RA	170.00	+0.00 / -0.13	170.00	185.00	9.00	170.00	+0.00 / -0.13	185.00	+0.18 / -0.00	10.00	+0.30 / -0.00	192.70
R170185100RA	170.00	+0.00 / -0.13	170.00	185.00	10.00	170.00	+0.00 / -0.13	185.00	+0.18 / -0.00	11.00	+0.30 / -0.00	192.70
R170190120RA	170.00	+0.00 / -0.13	170.00	190.00	12.00	170.00	+0.00 / -0.13	190.00	+0.18 / -0.00	13.00	+0.30 / -0.00	192.70
R170190160RA	170.00	+0.00 / -0.13	170.00	190.00	16.00	170.00	+0.00 / -0.13	190.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70
R170195160RA	170.00	+0.00 / -0.13	170.00	195.00	16.00	170.00	+0.00 / -0.13	195.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70
R170195200RA	170.00	+0.00 / -0.13	170.00	195.00	20.00	170.00	+0.00 / -0.13	195.00	+0.18 / -0.00	21.00	+0.30 / -0.00	192.70
R175190090RA	175.00	+0.00 / -0.13	175.00	190.00	9.00	175.00	+0.00 / -0.13	190.00	+0.18 / -0.00	10.00	+0.30 / -0.00	192.70
R175200190RA	175.00	+0.00 / -0.13	175.00	200.00	19.00	175.00	+0.00 / -0.13	200.00	+0.18 / -0.00	20.00	+0.30 / -0.00	192.70
R175200200RA	175.00	+0.00 / -0.13	175.00	200.00	20.00	175.00	+0.00 / -0.13	200.00	+0.18 / -0.00	21.00	+0.30 / -0.00	O/R
R180200120RA	180.00	+0.00 / -0.13	180.00	200.00	12.00	180.00	+0.00 / -0.13	200.00	+0.18 / -0.00	13.00	+0.30 / -0.00	192.70
R180200160RA	180.00	+0.00 / -0.13	180.00	200.00	16.00	180.00	+0.00 / -0.13	200.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70
R180205160RA	180.00	+0.00 / -0.13	180.00	205.00	16.00	180.00	+0.00 / -0.13	205.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70
R180205190RA	180.00	+0.00 / -0.13	180.00	205.00	19.00	180.00	+0.00 / -0.13	205.00	+0.18 / -0.00	20.00	+0.30 / -0.00	192.70
R180205200RA	180.00	+0.00 / -0.13	180.00	205.00	20.00	180.00	+0.00 / -0.13	205.00	+0.18 / -0.00	21.00	+0.30 / -0.00	192.70
R190210120RA	190.00	+0.00 / -0.13	190.00	210.00	12.00	190.00	+0.00 / -0.13	210.00	+0.18 / -0.00	13.00	+0.30 / -0.00	192.70
R190210160RA	190.00	+0.00 / -0.13	190.00	210.00	16.00	190.00	+0.00 / -0.13	210.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70

RA SERIES - AU 94A

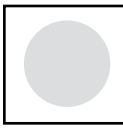
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R190215160RA	190.00	+0.00 / -0.13	190.00	215.00	16.00	190.00	+0.00 / -0.13	215.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70
R190215200RA	190.00	+0.00 / -0.13	190.00	215.00	20.00	190.00	+0.00 / -0.13	215.00	+0.18 / -0.00	21.00	+0.30 / -0.00	192.70
R199219110RA	199.00	+0.00 / -0.13	199.00	219.00	11.00	199.00	+0.00 / -0.13	219.00	+0.18 / -0.00	12.00	+0.30 / -0.00	192.70
R199219150RA	199.00	+0.00 / -0.13	199.00	219.00	15.00	199.00	+0.00 / -0.13	219.00	+0.18 / -0.00	16.00	+0.30 / -0.00	192.70
R199224160RA	199.00	+0.00 / -0.13	199.00	224.00	16.00	199.00	+0.00 / -0.13	224.00	+0.18 / -0.00	17.00	+0.30 / -0.00	192.70
R199224190RA	199.00	+0.00 / -0.13	199.00	224.00	19.00	199.00	+0.00 / -0.13	224.00	+0.18 / -0.00	20.00	+0.30 / -0.00	192.70
R200220120RA	200.00	+0.00 / -0.13	200.00	220.00	12.00	200.00	+0.00 / -0.13	220.00	+0.18 / -0.00	13.00	+0.30 / -0.00	192.70
R200220160RA	200.00	+0.00 / -0.13	200.00	220.00	16.00	200.00	+0.00 / -0.13	220.00	+0.18 / -0.00	17.00	+0.30 / -0.00	211.35
R200225160RA	200.00	+0.00 / -0.13	200.00	225.00	16.00	200.00	+0.00 / -0.13	225.00	+0.18 / -0.00	17.00	+0.30 / -0.00	211.35
R200225190RA	200.00	+0.00 / -0.13	200.00	225.00	19.00	200.00	+0.00 / -0.13	225.00	+0.18 / -0.00	20.00	+0.30 / -0.00	211.35
R200225200RA	200.00	+0.00 / -0.13	200.00	225.00	20.00	200.00	+0.00 / -0.13	225.00	+0.18 / -0.00	21.00	+0.30 / -0.00	211.35
R204224120RA	204.00	+0.00 / -0.13	204.00	224.00	12.00	204.00	+0.00 / -0.13	224.00	+0.18 / -0.00	13.00	+0.30 / -0.00	211.35
R210230120RA	210.00	+0.00 / -0.13	210.00	230.00	12.00	210.00	+0.00 / -0.13	230.00	+0.18 / -0.00	13.00	+0.30 / -0.00	211.35
R210230160RA	210.00	+0.00 / -0.13	210.00	230.00	16.00	210.00	+0.00 / -0.13	230.00	+0.18 / -0.00	17.00	+0.30 / -0.00	211.35
R210235160RA	210.00	+0.00 / -0.13	210.00	235.00	16.00	210.00	+0.00 / -0.13	235.00	+0.18 / -0.00	17.00	+0.30 / -0.00	211.35
R210235190RA	210.00	+0.00 / -0.13	210.00	235.00	19.00	210.00	+0.00 / -0.13	235.00	+0.18 / -0.00	20.00	+0.30 / -0.00	211.35
R210235200RA	210.00	+0.00 / -0.13	210.00	235.00	20.00	210.00	+0.00 / -0.13	235.00	+0.18 / -0.00	21.00	+0.30 / -0.00	211.35
R220240120RA	220.00	+0.00 / -0.13	220.00	240.00	12.00	220.00	+0.00 / -0.13	240.00	+0.18 / -0.00	13.00	+0.30 / -0.00	211.35
R220240160RA	220.00	+0.00 / -0.13	220.00	240.00	16.00	220.00	+0.00 / -0.13	240.00	+0.18 / -0.00	17.00	+0.30 / -0.00	211.35
R220245160RA	220.00	+0.00 / -0.13	220.00	245.00	16.00	220.00	+0.00 / -0.13	245.00	+0.18 / -0.00	17.00	+0.30 / -0.00	145.75
R220245190RA	220.00	+0.00 / -0.13	220.00	245.00	19.00	220.00	+0.00 / -0.13	245.00	+0.18 / -0.00	20.00	+0.30 / -0.00	O/R
R220245200RA	220.00	+0.00 / -0.13	220.00	245.00	20.00	220.00	+0.00 / -0.13	245.00	+0.18 / -0.00	21.00	+0.30 / -0.00	O/R
R224244110RA	224.00	+0.00 / -0.13	224.00	244.00	11.00	224.00	+0.00 / -0.13	244.00	+0.18 / -0.00	12.00	+0.30 / -0.00	O/R
R224244150RA	224.00	+0.00 / -0.13	224.00	244.00	15.00	224.00	+0.00 / -0.13	244.00	+0.18 / -0.00	16.00	+0.30 / -0.00	O/R
R224249150RA	224.00	+0.00 / -0.13	224.00	249.00	15.00	224.00	+0.00 / -0.13	249.00	+0.18 / -0.00	16.00	+0.30 / -0.00	O/R
R224249180RA	224.00	+0.00 / -0.13	224.00	249.00	18.00	224.00	+0.00 / -0.13	249.00	+0.18 / -0.00	19.00	+0.30 / -0.00	O/R
R224249190RA	224.00	+0.00 / -0.13	224.00	249.00	19.00	224.00	+0.00 / -0.13	249.00	+0.18 / -0.00	20.00	+0.30 / -0.00	288.60
R225245120RA	225.00	+0.00 / -0.13	225.00	245.00	12.00	225.00	+0.00 / -0.13	245.00	+0.18 / -0.00	13.00	+0.30 / -0.00	288.60
R225245160RA	225.00	+0.00 / -0.13	225.00	245.00	16.00	225.00	+0.00 / -0.13	245.00	+0.18 / -0.00	17.00	+0.30 / -0.00	288.60
R225250160RA	225.00	+0.00 / -0.13	225.00	250.00	16.00	225.00	+0.00 / -0.13	250.00	+0.18 / -0.00	17.00	+0.30 / -0.00	288.60
R225250190RA	225.00	+0.00 / -0.13	225.00	250.00	19.00	225.00	+0.00 / -0.13	250.00	+0.18 / -0.00	20.00	+0.30 / -0.00	288.60
R225250200RA	225.00	+0.00 / -0.13	225.00	252.00	20.00	225.00	+0.00 / -0.13	252.00	+0.18 / -0.00	21.00	+0.30 / -0.00	288.60
R230250120RA	230.00	+0.00 / -0.13	230.00	250.00	12.00	230.00	+0.00 / -0.13	250.00	+0.18 / -0.00	13.00	+0.30 / -0.00	288.60
R230250160RA	230.00	+0.00 / -0.13	230.00	250.00	16.00	230.00	+0.00 / -0.13	250.00	+0.18 / -0.00	17.00	+0.30 / -0.00	288.60
R230255150RA	230.00	+0.00 / -0.13	230.00	255.00	15.00	230.00	+0.00 / -0.13	255.00	+0.21 / -0.00	16.00	+0.30 / -0.00	433.65
R230255190RA	230.00	+0.00 / -0.13	230.00	255.00	19.00	230.00	+0.00 / -0.13	255.00	+0.21 / -0.00	20.00	+0.30 / -0.00	288.60
R230255200RA	230.00	+0.00 / -0.13	230.00	255.00	20.00	230.00	+0.00 / -0.13	255.00	+0.21 / -0.00	21.00	+0.30 / -0.00	288.60
R240260120RA	240.00	+0.00 / -0.13	240.00	260.00	12.00	240.00	+0.00 / -0.13	260.00	+0.21 / -0.00	13.00	+0.30 / -0.00	288.60
R240260160RA	240.00	+0.00 / -0.13	240.00	260.00	16.00	240.00	+0.00 / -0.13	260.00	+0.21 / -0.00	17.00	+0.30 / -0.00	288.60
R240265160RA	240.00	+0.00 / -0.13	240.00	265.00	16.00	240.00	+0.00 / -0.13	265.00	+0.21 / -0.00	17.00	+0.30 / -0.00	288.60
R240265190RA	240.00	+0.00 / -0.13	240.00	265.00	19.00	240.00	+0.00 / -0.13	265.00	+0.21 / -0.00	20.00	+0.30 / -0.00	288.60
R240265200RA	240.00	+0.00 / -0.13	240.00	265.00	20.00	240.00	+0.00 / -0.13	265.00	+0.21 / -0.00	21.00	+0.30 / -0.00	288.60
R250270120RA	250.00	+0.00 / -0.13	250.00	270.00	12.00	250.00	+0.00 / -0.13	270.00	+0.21 / -0.00	13.00	+0.30 / -0.00	288.60
R250270160RA	250.00	+0.00 / -0.13	250.00	270.00	16.00	250.00	+0.00 / -0.13	270.00	+0.21 / -0.00	17.00	+0.30 / -0.00	288.60
R250275160RA	250.00	+0.00 / -0.13	250.00	275.00	16.00	250.00	+0.00 / -0.13	275.00	+0.21 / -0.00	17.00	+0.30 / -0.00	288.60
R250275190RA	250.00	+0.00 / -0.13	250.00	275.00	19.00	250.00	+0.00 / -0.13	275.00	+0.21 / -0.00	20.00	+0.30 / -0.00	288.60
R250275200RA	250.00	+0.00 / -0.13	250.00	275.00	20.00	250.00	+0.00 / -0.13	275.00	+0.21 / -0.00	21.00	+0.30 / -0.00	288.60
R260285160RA	260.00	+0.00 / -0.13	260.00	285.00	16.00	260.00	+0.00 / -0.13	285.00	+0.21 / -0.00	17.00	+0.30 / -0.00	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R260285190RA	260.00	+0.00 / -0.13	260.00	285.00	19.00	260.00	+0.00 / -0.13	285.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R260290190RA	260.00	+0.00 / -0.13	260.00	290.00	19.00	260.00	+0.00 / -0.13	290.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R265297240RA	265.00	+0.00 / -0.13	265.00	297.00	24.00	265.00	+0.00 / -0.13	297.00	+0.21 / -0.00	25.00	+0.30 / -0.00	O/R
R265297250RA	265.00	+0.00 / -0.13	265.00	297.00	25.00	265.00	+0.00 / -0.13	297.00	+0.21 / -0.00	26.00	+0.30 / -0.00	O/R
R270295160RA	270.00	+0.00 / -0.13	270.00	295.00	16.00	270.00	+0.00 / -0.13	295.00	+0.21 / -0.00	17.00	+0.30 / -0.00	O/R
R270295190RA	270.00	+0.00 / -0.13	270.00	295.00	19.00	270.00	+0.00 / -0.13	295.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R270300190RA	270.00	+0.00 / -0.13	270.00	300.00	19.00	270.00	+0.00 / -0.13	300.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R270300240RA	270.00	+0.00 / -0.13	270.00	300.00	24.00	270.00	+0.00 / -0.13	300.00	+0.21 / -0.00	25.00	+0.30 / -0.00	O/R
R270300250RA	270.00	+0.00 / -0.13	270.00	300.00	25.00	270.00	+0.00 / -0.13	300.00	+0.21 / -0.00	26.00	+0.30 / -0.00	O/R
R280305160RA	280.00	+0.00 / -0.13	280.00	305.00	16.00	280.00	+0.00 / -0.13	305.00	+0.21 / -0.00	17.00	+0.30 / -0.00	O/R
R280305190RA	280.00	+0.00 / -0.13	280.00	305.00	19.00	280.00	+0.00 / -0.13	305.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R280310190RA	280.00	+0.00 / -0.13	280.00	310.00	19.00	280.00	+0.00 / -0.13	310.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R280312240RA	280.00	+0.00 / -0.13	280.00	312.00	24.00	280.00	+0.00 / -0.13	312.00	+0.21 / -0.00	25.00	+0.30 / -0.00	O/R
R280312250RA	280.00	+0.00 / -0.13	280.00	312.00	25.00	280.00	+0.00 / -0.13	312.00	+0.21 / -0.00	26.00	+0.30 / -0.00	O/R
R290315160RA	290.00	+0.00 / -0.13	290.00	315.00	16.00	290.00	+0.00 / -0.13	315.00	+0.21 / -0.00	17.00	+0.30 / -0.00	O/R
R290315190RA	290.00	+0.00 / -0.13	290.00	315.00	19.00	290.00	+0.00 / -0.13	315.00	+0.21 / -0.00	19.00	+0.30 / -0.00	O/R
R290320190RA	290.00	+0.00 / -0.13	290.00	320.00	19.00	290.00	+0.00 / -0.13	320.00	+0.21 / -0.00	19.00	+0.30 / -0.00	O/R
R300325160RA	300.00	+0.00 / -0.13	300.00	325.00	16.00	300.00	+0.00 / -0.13	325.00	+0.21 / -0.00	17.00	+0.30 / -0.00	O/R
R300325190RA	300.00	+0.00 / -0.13	300.00	325.00	19.00	300.00	+0.00 / -0.13	325.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R300330190RA	300.00	+0.00 / -0.13	300.00	330.00	19.00	300.00	+0.00 / -0.13	330.00	+0.21 / -0.00	20.00	+0.30 / -0.00	O/R
R300332240RA	300.00	+0.00 / -0.13	300.00	332.00	24.00	300.00	+0.00 / -0.13	332.00	+0.21 / -0.00	25.00	+0.30 / -0.00	O/R
R300332250RA	300.00	+0.00 / -0.13	300.00	332.00	25.00	300.00	+0.00 / -0.13	332.00	+0.21 / -0.00	26.00	+0.30 / -0.00	O/R









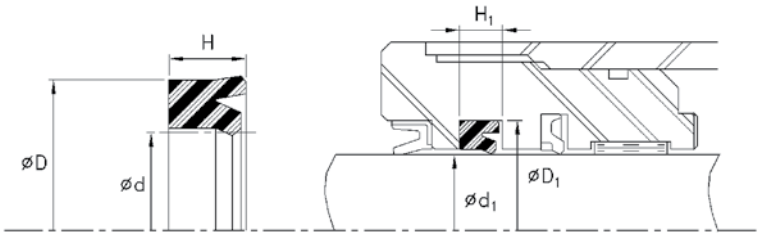

M

RA SERIES - CAT X-REF - AU 94A

RA - Rod Seals

Polyurethane AU 94A





Temperature: -31/212F [-35/100C] **Pressure: 6000 PSI [415 Bar]**

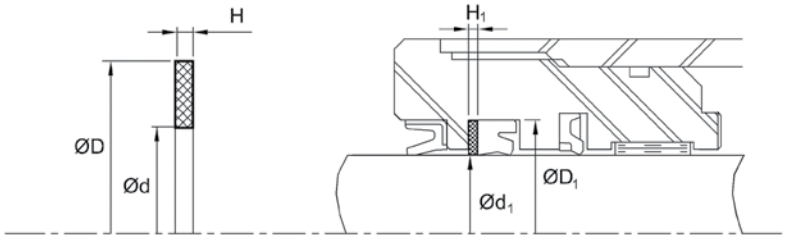
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-0996996	55.00	+0.00 / -0.05	55.00			55.00	+0.00 / -0.05	68.02	+0.05 / -0.00	11.00	+0.38 / -0.00	19.10
RCAT-0931475	60.00	+0.00 / -0.05	60.00			60.00	+0.00 / -0.05	73.02	+0.05 / -0.00	11.00	+0.38 / -0.00	19.80
RCAT-0931476	65.00	+0.00 / -0.06	65.00			65.00	+0.00 / -0.06	78.02	+0.05 / -0.00	11.00	+0.38 / -0.00	20.25
RCAT-0931477	70.00	+0.00 / -0.06	70.00			70.00	+0.00 / -0.06	83.03	+0.05 / -0.00	11.00	+0.38 / -0.00	21.10
RCAT-0963468	75.00	+0.00 / -0.06	75.00			75.00	+0.00 / -0.06	88.03	+0.05 / -0.00	11.00	+0.38 / -0.00	24.00
RCAT-0931479	80.00	+0.00 / -0.09	80.00			80.00	+0.00 / -0.09	93.03	+0.05 / -0.00	11.00	+0.38 / -0.00	24.60
RCAT-0961567	85.00	+0.00 / -0.09	85.00			85.00	+0.00 / -0.09	100.03	+0.05 / -0.00	11.00	+0.38 / -0.00	25.60
RCAT-7Y5117	85.00	+0.00 / -0.09	85.00			85.00	+0.00 / -0.09	100.03	+0.05 / -0.00	11.00	+0.38 / -0.00	28.00
RCAT-1052577	90.00	+0.00 / -0.09	90.00			90.00	+0.00 / -0.09	105.03	+0.05 / -0.00	11.00	+0.38 / -0.00	29.85
RCAT-0961587	90.00	+0.00 / -0.09	90.00			90.00	+0.00 / -0.09	105.03	+0.05 / -0.00	11.00	+0.38 / -0.00	30.25
RCAT-7Y4629	95.00	+0.00 / -0.09	95.00			95.00	+0.00 / -0.09	110.03	+0.05 / -0.00	11.00	+0.38 / -0.00	31.90
RCAT-0961572	100.00	+0.00 / -0.09	100.00			100.00	+0.00 / -0.09	115.03	+0.05 / -0.00	11.00	+0.38 / -0.00	34.20
RCAT-0962664	100.00	+0.00 / -0.09	100.00			100.00	+0.00 / -0.09	115.03	+0.05 / -0.00	11.00	+0.38 / -0.00	34.20
RCAT-1076256	100.00	+0.00 / -0.09	100.00			100.00	+0.00 / -0.09	120.00	+0.05 / -0.00	13.00	+0.38 / -0.00	36.30
RCAT-7Y4670	105.00	+0.00 / -0.13	105.00			105.00	+0.00 / -0.13	120.03	+0.05 / -0.00	11.00	+0.38 / -0.00	37.30
RCAT-7Y4942	110.00	+0.00 / -0.13	110.00			110.00	+0.00 / -0.13	125.03	+0.05 / -0.00	11.00	+0.38 / -0.00	39.05
RCAT-1672341	130.00	+0.00 / -0.13	130.00			130.00	+0.00 / -0.13	145.03	+0.05 / -0.00	11.00	+0.38 / -0.00	58.85
RCAT-8C9187	140.00	+0.00 / -0.13	140.00			140.00	+0.00 / -0.13	155.05	+0.05 / -0.00	11.00	+0.38 / -0.00	73.30
RCAT-8C9191	150.00	+0.00 / -0.13	150.00			150.00	+0.00 / -0.13	165.05	+0.05 / -0.00	11.00	+0.38 / -0.00	92.25

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

SD/N, ST/N, SD/T, ST/T
Back-up Rings

/N - Nylon
/T - BR.PTFE





Temperature: N/A **Pressure: N/A**

Ref.Number	Nominal Ring Dimensions			$	
	d	D	H	SD/N & ST/N	SD/T & ST/T
BU008018020	8.00	18.00	2.00	6.10	6.20
BU010020020	10.00	20.00	2.00	6.10	6.20
BU012020020	12.50	20.50	2.00	6.10	6.20
BU014024020	14.00	24.00	2.00	6.10	6.20
BU015023020	15.00	23.00	2.00	6.10	6.20
BU015028020	15.00	28.00	2.00	6.10	6.25
BU016024020	16.00	24.00	2.00	6.10	6.20
BU016026020	16.00	26.00	2.00	6.10	6.20
BU018026020	18.00	26.00	2.00	6.10	6.20
BU018031020	18.00	31.00	2.00	6.10	6.45
BU020025020	20.00	25.00	2.00	6.10	6.20
BU020028020	20.00	28.00	2.00	6.10	6.20
BU020030020	20.00	30.00	2.00	6.10	6.20
BU020033020	20.00	33.00	2.00	6.10	6.70
BU022030020	22.00	30.00	2.00	6.10	6.20
BU022030020-1	22.40	30.00	2.00	6.10	6.20
BU022033020	22.00	33.00	2.00	6.10	6.30
BU022033020-1	22.40	33.00	2.00	6.10	6.30
BU022035020	22.00	35.00	2.00	6.10	6.70
BU023031020	23.50	31.50	2.00	6.10	6.20
BU024032020	24.00	32.00	2.00	6.10	6.25
BU025033020	25.00	33.00	2.00	6.10	6.25
BU025033030	25.00	33.00	3.00	6.10	6.30
BU025035020-1	25.50	35.50	2.00	6.10	6.30
BU025035020	25.00	35.00	2.00	6.10	6.30
BU025035030	25.00	35.00	3.00	6.10	6.70
BU025038020	25.00	38.00	2.00	6.10	6.70
BU027040030	27.00	40.00	3.00	6.10	7.25
BU028035030	28.00	35.50	3.00	6.10	6.70
BU028036030	28.00	36.00	3.00	6.10	6.70
BU028040030	28.00	40.00	3.00	6.35	6.70
BU028041030	28.00	41.00	3.00	6.10	7.50
BU030040020	30.00	40.00	2.00	6.10	6.70
BU030040030	30.00	40.00	3.00	6.10	9.30
BU030045030	30.00	45.00	3.00	6.10	10.25
BU031041030	31.50	41.50	3.00	6.10	6.70
BU031044030	31.50	44.50	3.00	6.10	8.15
BU032038020	32.00	38.00	2.00	6.10	6.70

Ref.Number	Nominal Ring Dimensions			$	
	d	D	H	SD/N & ST/N	SD/T & ST/T
BU032038030	32.00	38.00	3.00	6.10	6.70
BU032042030	32.00	42.00	3.00	6.10	6.70
BU032048030	32.00	48.00	3.00	6.10	10.25
BU034050030	34.00	50.00	3.00	6.10	10.95
BU035045020	35.00	45.00	2.00	6.10	6.70
BU035045030	35.00	45.00	3.00	6.10	6.70
BU035045030-1	35.50	45.00	3.00	6.10	6.70
BU035050030	35.00	50.00	3.00	6.10	10.25
BU035051030	35.50	51.50	3.00	6.35	11.30
BU036046030	36.00	46.00	3.00	6.10	6.70
BU040050020	40.00	50.00	2.00	6.10	6.70
BU040050030	40.00	50.00	3.00	6.10	7.50
BU040055030	40.00	55.00	3.00	6.65	11.45
BU040056030	40.00	56.00	3.00	7.20	12.40
BU045055020	45.00	55.00	2.00	6.10	6.70
BU045055030	45.00	55.00	3.00	6.10	8.40
BU045056030	45.00	56.00	3.00	6.10	9.10
BU045060030	45.00	60.00	3.00	7.20	12.80
BU047061030	47.00	61.00	3.00	7.50	12.25
BU047063030	47.00	63.00	3.00	7.80	14.30
BU048063030	48.00	63.00	3.00	8.35	13.60
BU050060020	50.00	60.00	2.00	6.35	6.70
BU050060030	50.00	60.00	3.00	6.65	9.10
BU050063030	50.00	63.00	3.00	8.35	11.90
BU050065030	50.00	65.00	3.00	8.90	14.10
BU050070030	50.00	70.00	3.00	10.95	19.50
BU053063030	53.00	63.00	3.00	8.10	9.55
BU054060030	54.00	60.00	3.00	7.80	9.10
BU055065030	55.00	65.00	3.00	9.00	9.90
BU055068030	55.00	68.00	3.00	9.20	12.80
BU055070030	55.00	70.00	3.00	9.35	15.20
BU055071030	55.00	71.00	3.00	9.50	16.10
BU055075030	55.00	75.00	3.00	11.05	21.20
BU056066030	56.00	66.00	3.00	6.10	10.25
BU060070030	60.00	70.00	3.00	9.50	10.55
BU060071030	60.00	71.00	3.00	9.50	11.70
BU060073030	60.00	73.00	3.00	10.20	14.10
BU060075030	60.00	75.00	3.00	10.60	16.10

SD/N & ST/N - NYLON, SD/T & ST/T - BR.PTFE

Ref.Number	Nominal Ring Dimensions			$	
	d	D	H	SD/N & ST/N	SD/T & ST/T
BU060076030	60.00	76.00	3.00	12.10	17.60
BU060080030	60.00	80.00	3.00	12.95	22.60
BU061071030	61.00	71.00	3.00	10.05	10.80
BU063073030	63.00	73.00	3.00	10.95	10.95
BU064080030	64.00	80.00	3.00	13.15	18.55
BU065075030	65.00	75.00	3.00	11.30	11.45
BU065078030	65.00	78.00	3.00	11.35	15.20
BU065080030	65.00	80.00	3.00	13.15	17.60
BU065085030	65.00	85.00	3.00	13.65	24.30
BU067077030	67.00	77.00	3.00	10.15	11.70
BU070080030	70.00	80.00	3.00	13.45	12.25
BU070083030	70.00	83.00	3.00	13.55	16.00
BU070085030	70.00	85.00	3.00	13.80	18.85
BU070090030	70.00	90.00	3.00	14.70	25.90
BU071080030	71.00	80.00	3.00	13.50	12.25
BU071081030	71.00	81.00	3.00	13.55	12.40
BU075085030	75.00	85.00	3.00	14.40	13.20
BU075088030	75.00	88.00	3.00	15.00	17.10
BU075090030	75.00	90.00	3.00	15.45	20.00
BU075095030	75.00	95.00	3.00	16.30	27.60
BU080090030	80.00	90.00	3.00	14.30	13.85
BU080093030	80.00	93.00	3.00	14.60	18.15
BU080095030	80.00	95.00	3.00	16.45	21.20
BU080100030	80.00	100.00	3.00	17.00	28.95
BU085100020	85.00	100.00	2.00	14.40	16.70
BU085100030	85.00	100.00	3.00	17.50	22.35
BU085105030	85.00	105.00	3.00	17.80	30.65
BU090105030	90.00	105.00	3.00	18.40	23.60
BU090110030	90.00	110.00	3.00	19.40	32.30
BU095105030	95.00	105.00	3.00	19.85	27.60
BU095105035	95.00	105.00	3.50	20.85	28.00
BU095110030	95.00	110.00	3.00	20.40	24.70
BU095110035	95.00	110.00	3.50	21.30	28.00
BU095115030	95.00	115.00	3.00	21.30	33.95
BU100115030	100.00	115.00	3.00	21.85	25.90
BU100120030	100.00	120.00	3.00	22.45	35.40
BU100125030	100.00	125.00	3.00	25.70	45.00
BU105120030	105.00	120.00	3.00	18.75	27.30
BU105125030	105.00	125.00	3.00	26.20	37.00
BU106120030	106.00	120.00	3.00	19.40	25.45
BU106123030	106.00	123.00	3.00	19.40	31.30
BU110125030	110.00	125.00	3.00	26.70	28.40
BU110130030	110.00	130.00	3.00	27.75	38.70
BU112125030	112.00	125.00	3.00	26.80	24.70
BU112132030	112.00	132.00	3.00	27.45	39.15
BU115130030	115.00	130.00	3.00	22.90	29.45
BU115135030	115.00	135.00	3.00	23.30	40.35
BU120135030	120.00	135.00	3.00	23.95	30.65

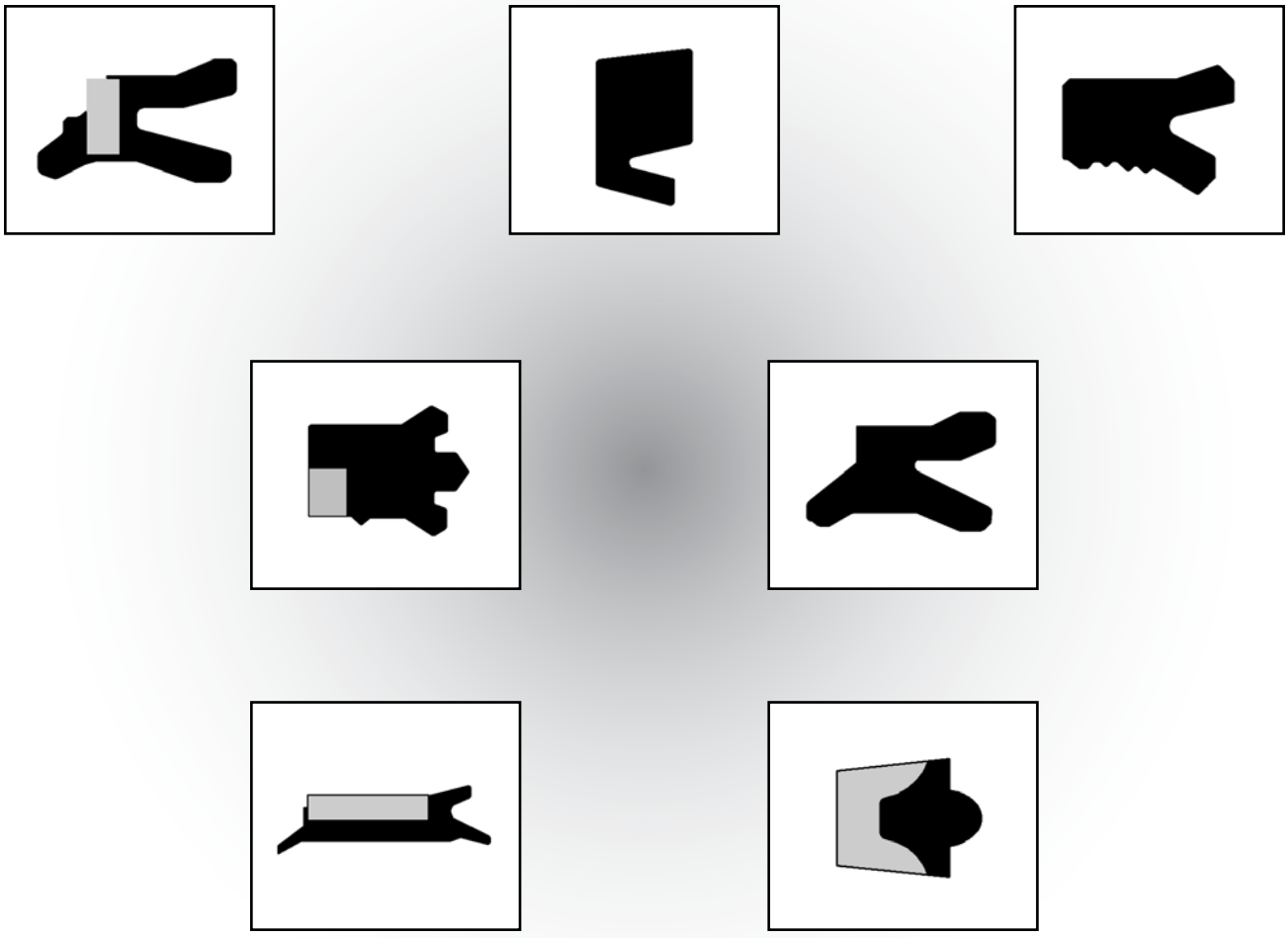
Ref.Number	Nominal Ring Dimensions			$	
	d	D	H	SD/N & ST/N	SD/T & ST/T
BU120140030	120.00	140.00	3.00	24.70	41.70
BU125140030	125.00	140.00	3.00	25.40	32.10
BU125150030	125.00	150.00	3.00	31.35	55.00
BU130145030	130.00	145.00	3.00	26.20	33.20
BU130150030	130.00	150.00	3.00	27.05	45.00
BU135150030	135.00	150.00	3.00	27.95	34.50
BU135160030	135.00	160.00	3.00	33.65	59.25
BU136150030	136.00	150.00	3.00	28.20	32.30
BU140155030	140.00	155.00	3.00	29.70	35.40
BU140160030	140.00	160.00	3.00	34.85	48.20
BU140165030	140.00	165.00	3.00	35.80	60.95
BU145160030	145.00	160.00	3.00	35.10	36.80
BU145165030	145.00	165.00	3.00	36.00	49.80
BU145170030	145.00	170.00	3.00	37.25	63.05
BU150165030	150.00	165.00	3.00	36.40	37.95
BU155170040	155.00	170.00	4.00	37.90	48.85
BU155180040	155.00	180.00	4.00	39.40	83.90
BU160175040	160.00	175.00	4.00	38.35	50.20
BU160180040	160.00	180.00	4.00	42.00	68.05
BU160185040	160.00	185.00	4.00	43.15	86.25
BU165180040	165.00	180.00	4.00	42.55	51.95
BU170180040	170.00	180.00	4.00	43.30	35.20
BU170190040	170.00	190.00	4.00	49.15	72.25
BU170200040	170.00	200.00	4.00	52.55	110.80
BU175190040	175.00	190.00	4.00	50.20	54.85
BU175200040	175.00	200.00	4.00	50.80	93.80
BU180200040	180.00	200.00	4.00	53.45	76.10
BU180205040	180.00	205.00	4.00	53.75	96.55
BU190200040	190.00	200.00	4.00	53.75	39.15
BU190210040	190.00	210.00	4.00	56.10	80.05
BU200220040	200.00	220.00	4.00	59.30	84.15
BU200225040	200.00	225.00	4.00	61.25	106.10
BU204224040	204.00	224.00	4.00	61.35	85.65
BU205220040	205.00	220.00	4.00	60.50	63.85
BU205225040	205.00	225.00	4.00	61.80	86.00
BU210230040	210.00	230.00	4.00	62.70	88.15
BU220240040	220.00	240.00	4.00	64.15	91.85
BU225245040	225.00	245.00	4.00	64.95	94.05
BU225250040	225.00	250.00	4.00	66.35	118.75
BU230250040	230.00	250.00	4.00	66.70	96.15
BU240260040	240.00	260.00	4.00	67.85	100.00
BU250270040	250.00	270.00	4.00	70.60	104.00
BU250275040	250.00	275.00	4.00	72.40	131.20
BU255280040	255.00	280.00	4.00	76.25	133.80
BU260285040	260.00	285.00	4.00	79.30	136.20
BU265290040	265.00	290.00	4.00	82.80	138.80
BU265297040	265.00	297.00	4.00	97.45	179.50
BU270295040	270.00	295.00	4.00	91.45	141.10

SD/N & ST/N - NYLON, SD/T & ST/T - BR.PTFE

Ref.Number	Nominal Ring Dimensions			$	
	d	D	H	SD/N & ST/N	SD/T & ST/T
BU270300040	270.00	300.00	4.00	102.30	170.90
BU275300040	275.00	300.00	4.00	103.35	143.50
BU280305040	280.00	305.00	4.00	107.05	146.20
BU280312040	280.00	312.00	4.00	108.90	189.20
BU290315040	290.00	315.00	4.00	109.85	151.05
BU300325040	300.00	325.00	4.00	113.25	156.10
BU300332040	300.00	332.00	4.00	120.20	201.95

Ref.Number	Nominal Ring Dimensions			$	
	d	D	H	SD/N & ST/N	SD/T & ST/T

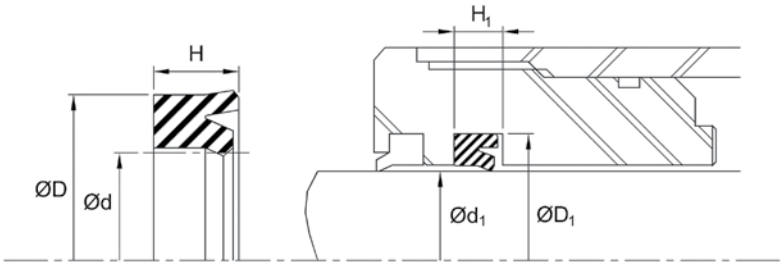
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



RA/N - Rod Seals

Nitrile NBR 85A





Temperature: -40/212F [-40/100C] **Pressure: 2300 PSI [160 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R002007035RA/N	2.00	+0.00 / -0.04	2.00	7.00	3.50	2.00	+0.00 / -0.04	7.00	+0.09 / -0.00	4.00	+0.20 / -0.00	O/R
R003007030RA/N	3.00	+0.00 / -0.04	3.00	7.00	3.00	3.00	+0.00 / -0.04	7.00	+0.09 / -0.00	3.50	+0.20 / -0.00	O/R
R003009045RA/N	3.00	+0.00 / -0.04	3.00	9.00	4.50	3.00	+0.00 / -0.04	9.00	+0.09 / -0.00	5.00	+0.20 / -0.00	O/R
R003010050RA/N	3.00	+0.00 / -0.04	3.00	10.00	5.00	3.00	+0.00 / -0.04	10.00	+0.09 / -0.00	5.50	+0.20 / -0.00	O/R
R004008030RA/N	4.00	+0.00 / -0.04	4.00	8.00	3.00	4.00	+0.00 / -0.04	8.00	+0.09 / -0.00	3.50	+0.20 / -0.00	O/R
R004009035RA/N	4.00	+0.00 / -0.04	4.00	9.00	3.50	4.00	+0.00 / -0.04	9.00	+0.09 / -0.00	4.00	+0.20 / -0.00	O/R
R004010042RA/N	4.00	+0.00 / -0.04	4.00	10.00	4.20	4.00	+0.00 / -0.04	10.00	+0.09 / -0.00	4.70	+0.20 / -0.00	O/R
R004012045RA/N	4.00	+0.00 / -0.04	4.00	12.00	4.50	4.00	+0.00 / -0.04	12.00	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R004012055RA/N	4.00	+0.00 / -0.04	4.00	12.00	5.50	4.00	+0.00 / -0.04	12.00	+0.11 / -0.00	6.00	+0.20 / -0.00	O/R
R004014058RA/N	4.00	+0.00 / -0.04	4.00	14.00	5.80	4.00	+0.00 / -0.04	14.00	+0.11 / -0.00	6.30	+0.20 / -0.00	O/R
R004008030RA/N-1	4.50	+0.00 / -0.04	4.50	8.00	3.00	4.50	+0.00 / -0.04	8.00	+0.09 / -0.00	3.50	+0.20 / -0.00	O/R
R005009025RA/N	5.00	+0.00 / -0.04	5.00	9.00	2.50	5.00	+0.00 / -0.04	9.00	+0.09 / -0.00	3.00	+0.20 / -0.00	O/R
R005010040RA/N	5.00	+0.00 / -0.04	5.00	10.00	4.00	5.00	+0.00 / -0.04	10.00	+0.09 / -0.00	4.50	+0.20 / -0.00	O/R
R005012045RA/N	5.00	+0.00 / -0.04	5.00	12.00	4.50	5.00	+0.00 / -0.04	12.00	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R006010030RA/N	6.00	+0.00 / -0.04	6.00	10.00	3.00	6.00	+0.00 / -0.04	10.00	+0.09 / -0.00	3.50	+0.20 / -0.00	O/R
R006012040RA/N	6.00	+0.00 / -0.04	6.00	12.00	4.00	6.00	+0.00 / -0.04	12.00	+0.11 / -0.00	4.50	+0.20 / -0.00	O/R
R006012042RA/N	6.00	+0.00 / -0.04	6.00	12.00	4.20	6.00	+0.00 / -0.04	12.00	+0.11 / -0.00	4.70	+0.20 / -0.00	O/R
R006013050RA/N	6.00	+0.00 / -0.04	6.00	13.00	5.00	6.00	+0.00 / -0.04	13.00	+0.11 / -0.00	5.50	+0.20 / -0.00	O/R
R006015070RA/N	6.00	+0.00 / -0.04	6.00	15.00	7.00	6.00	+0.00 / -0.04	15.00	+0.11 / -0.00	7.50	+0.20 / -0.00	O/R
R006016050RA/N	6.00	+0.00 / -0.04	6.00	16.00	5.00	6.00	+0.00 / -0.04	16.00	+0.11 / -0.00	5.50	+0.20 / -0.00	O/R
R007013040RA/N	7.00	+0.00 / -0.04	7.00	13.00	4.00	7.00	+0.00 / -0.04	13.00	+0.11 / -0.00	4.50	+0.20 / -0.00	O/R
R008012045RA/N	8.00	+0.00 / -0.04	8.00	12.70	4.50	8.00	+0.00 / -0.04	12.70	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R008013040RA/N	8.00	+0.00 / -0.04	8.00	13.00	4.00	8.00	+0.00 / -0.04	13.00	+0.11 / -0.00	4.50	+0.20 / -0.00	O/R
R008014040RA/N	8.00	+0.00 / -0.04	8.00	14.00	4.00	8.00	+0.00 / -0.04	14.00	+0.11 / -0.00	4.50	+0.20 / -0.00	O/R
R008014045RA/N	8.00	+0.00 / -0.04	8.00	14.50	4.50	8.00	+0.00 / -0.04	14.50	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R008016055RA/N	8.00	+0.00 / -0.04	8.00	16.00	5.50	8.00	+0.00 / -0.04	16.00	+0.11 / -0.00	6.00	+0.20 / -0.00	O/R
R008018080RA/N	8.00	+0.00 / -0.04	8.00	18.00	8.00	8.00	+0.00 / -0.04	18.00	+0.11 / -0.00	8.50	+0.20 / -0.00	O/R
R009014035RA/N	9.00	+0.00 / -0.04	9.00	14.00	3.50	9.00	+0.00 / -0.04	14.00	+0.11 / -0.00	4.00	+0.20 / -0.00	O/R
R009014045RA/N	9.00	+0.00 / -0.04	9.00	15.00	4.50	9.00	+0.00 / -0.04	15.00	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R009014030RA/N	9.30	+0.00 / -0.04	9.30	14.00	3.00	9.30	+0.00 / -0.04	14.00	+0.11 / -0.00	3.50	+0.20 / -0.00	O/R
R009018070RA/N	9.50	+0.00 / -0.04	9.50	18.50	7.00	9.50	+0.00 / -0.04	18.50	+0.13 / -0.00	7.50	+0.20 / -0.00	O/R
R010013023RA/N	10.00	+0.00 / -0.04	10.00	13.60	2.30	10.00	+0.00 / -0.04	13.60	+0.11 / -0.00	2.70	+0.20 / -0.00	O/R
R010015035RA/N	10.00	+0.00 / -0.04	10.00	15.00	3.50	10.00	+0.00 / -0.04	15.00	+0.11 / -0.00	4.00	+0.20 / -0.00	O/R
R010016045RA/N	10.00	+0.00 / -0.04	10.00	16.00	4.50	10.00	+0.00 / -0.04	16.00	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R010016060RA/N	10.00	+0.00 / -0.04	10.00	16.00	6.00	10.00	+0.00 / -0.04	16.00	+0.11 / -0.00	6.50	+0.20 / -0.00	O/R
R010018050RA/N	10.00	+0.00 / -0.04	10.00	18.00	5.00	10.00	+0.00 / -0.04	18.00	+0.11 / -0.00	5.50	+0.20 / -0.00	O/R
R010018055RA/N	10.00	+0.00 / -0.04	10.00	18.00	5.50	10.00	+0.00 / -0.04	18.00	+0.11 / -0.00	6.00	+0.20 / -0.00	O/R
R010020070RA/N	10.00	+0.00 / -0.04	10.00	20.00	7.00	10.00	+0.00 / -0.04	20.00	+0.13 / -0.00	7.50	+0.20 / -0.00	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R010015035RA/N-1	10.40	+0.00 / -0.04	10.40	15.20	3.50	10.40	+0.00 / -0.04	15.20	+0.11 / -0.00	4.00	+0.20 / -0.00	O/R
R011017040RA/N	11.00	+0.00 / -0.04	11.00	17.00	4.00	11.00	+0.00 / -0.04	17.00	+0.11 / -0.00	4.50	+0.20 / -0.00	O/R
R011018045RA/N	11.00	+0.00 / -0.04	11.00	18.00	4.50	11.00	+0.00 / -0.04	18.00	+0.11 / -0.00	5.00	+0.20 / -0.00	O/R
R012018045RA/N	12.00	+0.00 / -0.04	12.00	18.50	4.50	12.00	+0.00 / -0.04	18.50	+0.13 / -0.00	5.00	+0.20 / -0.00	O/R
R012019045RA/N	12.00	+0.00 / -0.04	12.00	19.00	4.50	12.00	+0.00 / -0.04	19.00	+0.13 / -0.00	5.00	+0.20 / -0.00	O/R
R012020055RA/N	12.00	+0.00 / -0.04	12.00	20.00	5.50	12.00	+0.00 / -0.04	20.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R012022075RA/N	12.00	+0.00 / -0.04	12.00	22.00	7.50	12.00	+0.00 / -0.04	22.00	+0.13 / -0.00	8.00	+0.20 / -0.00	O/R
R012019038RA/N	12.75	+0.00 / -0.04	12.75	19.20	3.80	12.75	+0.00 / -0.04	19.20	+0.13 / -0.00	4.30	+0.20 / -0.00	O/R
R013017028RA/N	13.00	+0.00 / -0.04	13.00	17.50	2.80	13.00	+0.00 / -0.04	17.50	+0.11 / -0.00	3.30	+0.20 / -0.00	O/R
R013022055RA/N	13.80	+0.00 / -0.04	13.80	22.00	5.50	13.80	+0.00 / -0.04	22.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R014019035RA/N	14.00	+0.00 / -0.04	14.00	19.00	3.50	14.00	+0.00 / -0.04	19.00	+0.13 / -0.00	4.00	+0.20 / -0.00	O/R
R014020048RA/N	14.00	+0.00 / -0.04	14.00	20.00	4.80	14.00	+0.00 / -0.04	20.00	+0.13 / -0.00	5.30	+0.20 / -0.00	O/R
R014022050RA/N	14.00	+0.00 / -0.04	14.00	22.00	5.00	14.00	+0.00 / -0.04	22.00	+0.13 / -0.00	5.50	+0.20 / -0.00	O/R
R014022055RA/N	14.00	+0.00 / -0.04	14.00	22.00	5.50	14.00	+0.00 / -0.04	22.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R014025080RA/N	14.00	+0.00 / -0.04	14.00	25.00	8.00	14.00	+0.00 / -0.04	25.00	+0.13 / -0.00	8.50	+0.20 / -0.00	O/R
R015022050RA/N	15.00	+0.00 / -0.04	15.00	22.00	5.00	15.00	+0.00 / -0.04	22.00	+0.13 / -0.00	5.50	+0.20 / -0.00	O/R
R015024055RA/N	15.80	+0.00 / -0.04	15.80	24.00	5.50	15.80	+0.00 / -0.04	24.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R016022040RA/N	16.00	+0.00 / -0.04	16.00	22.00	4.00	16.00	+0.00 / -0.04	22.00	+0.13 / -0.00	4.50	+0.20 / -0.00	O/R
R016022045RA/N	16.00	+0.00 / -0.04	16.00	22.50	4.50	16.00	+0.00 / -0.04	22.50	+0.13 / -0.00	5.00	+0.20 / -0.00	O/R
R016023055RA/N	16.00	+0.00 / -0.04	16.00	23.00	5.50	16.00	+0.00 / -0.04	23.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R016023055RA/N-1	16.00	+0.00 / -0.04	16.00	23.50	5.50	16.00	+0.00 / -0.04	23.50	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R016024055RA/N	16.00	+0.00 / -0.04	16.00	24.00	5.50	16.00	+0.00 / -0.04	24.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R016026070RA/N	16.00	+0.00 / -0.04	16.00	26.00	7.00	16.00	+0.00 / -0.04	26.00	+0.13 / -0.00	7.50	+0.20 / -0.00	O/R
R016027075RA/N	16.00	+0.00 / -0.04	16.00	27.00	7.50	16.00	+0.00 / -0.04	27.00	+0.13 / -0.00	8.00	+0.20 / -0.00	O/R
R017025055RA/N	17.00	+0.00 / -0.04	17.00	25.00	5.50	17.00	+0.00 / -0.04	25.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R018024040RA/N	18.00	+0.00 / -0.04	18.00	24.00	4.00	18.00	+0.00 / -0.04	24.00	+0.13 / -0.00	4.50	+0.20 / -0.00	O/R
R018025045RA/N	18.00	+0.00 / -0.04	18.00	25.00	4.50	18.00	+0.00 / -0.04	25.00	+0.13 / -0.00	5.00	+0.20 / -0.00	O/R
R018025055RA/N	18.00	+0.00 / -0.04	18.00	25.00	5.50	18.00	+0.00 / -0.04	25.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R018026055RA/N	18.00	+0.00 / -0.04	18.00	26.00	5.50	18.00	+0.00 / -0.04	26.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R018030085RA/N	18.00	+0.00 / -0.04	18.00	30.00	8.50	18.00	+0.00 / -0.04	30.00	+0.13 / -0.00	9.50	+0.20 / -0.00	O/R
R018025055RA/N-1	18.50	+0.00 / -0.04	18.50	25.50	5.50	18.50	+0.00 / -0.04	25.50	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R019025050RA/N	19.00	+0.00 / -0.04	19.00	25.00	5.00	19.00	+0.00 / -0.04	25.00	+0.13 / -0.00	5.50	+0.20 / -0.00	O/R
R020026040RA/N	20.00	+0.00 / -0.04	20.00	26.00	4.00	20.00	+0.00 / -0.04	26.00	+0.13 / -0.00	4.50	+0.20 / -0.00	O/R
R020026048RA/N	20.00	+0.00 / -0.04	20.00	26.00	4.80	20.00	+0.00 / -0.04	26.00	+0.13 / -0.00	5.30	+0.20 / -0.00	O/R
R020028055RA/N	20.00	+0.00 / -0.04	20.00	28.00	5.50	20.00	+0.00 / -0.04	28.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R020028080RA/N	20.00	+0.00 / -0.04	20.00	28.00	8.00	20.00	+0.00 / -0.04	28.00	+0.13 / -0.00	8.50	+0.20 / -0.00	O/R
R020030070RA/N	20.00	+0.00 / -0.04	20.00	30.00	7.00	20.00	+0.00 / -0.04	30.00	+0.13 / -0.00	7.50	+0.20 / -0.00	O/R
R020030075RA/N	20.00	+0.00 / -0.04	20.00	30.00	7.50	20.00	+0.00 / -0.04	30.00	+0.13 / -0.00	8.00	+0.20 / -0.00	O/R
R020032070RA/N	20.00	+0.00 / -0.04	20.00	32.00	7.00	20.00	+0.00 / -0.04	32.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R020032075RA/N	20.00	+0.00 / -0.04	20.00	32.00	7.50	20.00	+0.00 / -0.04	32.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R022029055RA/N	22.00	+0.00 / -0.04	22.00	29.00	5.50	22.00	+0.00 / -0.04	29.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R022030055RA/N	22.00	+0.00 / -0.04	22.00	30.00	5.50	22.00	+0.00 / -0.04	30.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R022032065RA/N	22.00	+0.00 / -0.04	22.00	32.00	6.50	22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	7.00	+0.20 / -0.00	O/R
R022032070RA/N	22.00	+0.00 / -0.04	22.00	32.00	7.00	22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R022032080RA/N	22.00	+0.00 / -0.04	22.00	32.00	8.00	22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R022034085RA/N	22.00	+0.00 / -0.04	22.00	34.00	8.50	22.00	+0.00 / -0.04	34.00	+0.16 / -0.00	9.50	+0.20 / -0.00	O/R
R023031055RA/N	23.00	+0.00 / -0.04	23.00	31.00	5.50	23.00	+0.00 / -0.04	31.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R024032055RA/N	24.00	+0.00 / -0.04	24.00	32.00	5.50	24.00	+0.00 / -0.04	32.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R

RA/N SERIES - NBR 85A

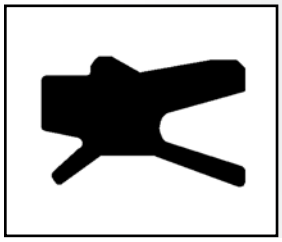
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R025032055RA/N	25.00	+0.00 / -0.04	25.00	32.00	5.50	25.00	+0.00 / -0.04	32.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R025033055RA/N	25.00	+0.00 / -0.04	25.00	33.00	5.50	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R025033080RA/N	25.00	+0.00 / -0.04	25.00	33.00	8.00	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R025035060RA/N	25.00	+0.00 / -0.04	25.00	35.00	6.00	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	6.50	+0.20 / -0.00	O/R
R025035070RA/N	25.00	+0.00 / -0.04	25.00	35.00	7.00	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R025035075RA/N	25.00	+0.00 / -0.04	25.00	35.00	7.50	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R025036080RA/N	25.00	+0.00 / -0.04	25.00	36.00	8.00	25.00	+0.00 / -0.04	36.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R025037085RA/N	25.00	+0.00 / -0.04	25.00	37.00	8.50	25.00	+0.00 / -0.04	37.00	+0.16 / -0.00	9.50	+0.20 / -0.00	O/R
R025040100RA/N	25.00	+0.00 / -0.04	25.00	40.00	10.00	25.00	+0.00 / -0.04	40.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R026036070RA/N	26.00	+0.00 / -0.04	26.00	36.00	7.00	26.00	+0.00 / -0.04	36.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R028036055RA/N	28.00	+0.00 / -0.04	28.00	36.00	5.50	28.00	+0.00 / -0.04	36.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R028038070RA/N	28.00	+0.00 / -0.04	28.00	38.00	7.00	28.00	+0.00 / -0.04	38.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R028040085RA/N	28.00	+0.00 / -0.04	28.00	40.00	8.50	28.00	+0.00 / -0.04	40.00	+0.16 / -0.00	9.50	+0.20 / -0.00	O/R
R030038055RA/N	30.00	+0.00 / -0.04	30.00	38.00	5.50	30.00	+0.00 / -0.04	38.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R030038080RA/N	30.00	+0.00 / -0.04	30.00	38.00	8.00	30.00	+0.00 / -0.04	38.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R030040060RA/N	30.00	+0.00 / -0.04	30.00	40.00	6.00	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	6.50	+0.20 / -0.00	O/R
R030040070RA/N	30.00	+0.00 / -0.04	30.00	40.00	7.00	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R030040075RA/N	30.00	+0.00 / -0.04	30.00	40.00	7.50	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R030042080RA/N	30.00	+0.00 / -0.04	30.00	42.00	8.00	30.00	+0.00 / -0.04	42.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R030042085RA/N	30.00	+0.00 / -0.04	30.00	42.00	8.50	30.00	+0.00 / -0.04	42.00	+0.16 / -0.00	9.50	+0.20 / -0.00	O/R
R032040055RA/N	32.00	+0.00 / -0.04	32.00	40.00	5.50	32.00	+0.00 / -0.04	40.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R032042070RA/N	32.00	+0.00 / -0.04	32.00	42.00	7.00	32.00	+0.00 / -0.04	42.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R032045100RA/N	32.00	+0.00 / -0.04	32.00	45.00	10.00	32.00	+0.00 / -0.04	45.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R033043070RA/N	33.00	+0.00 / -0.04	33.00	43.00	7.00	33.00	+0.00 / -0.04	43.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R034044070RA/N	34.00	+0.00 / -0.04	34.00	44.00	7.00	34.00	+0.00 / -0.04	44.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R035043080RA/N	35.00	+0.00 / -0.04	35.00	43.00	8.00	35.00	+0.00 / -0.04	43.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R035045070RA/N	35.00	+0.00 / -0.04	35.00	45.00	7.00	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R035045075RA/N	35.00	+0.00 / -0.04	35.00	45.00	7.50	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R036046070RA/N	36.00	+0.00 / -0.04	36.00	46.00	7.00	36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R036050100RA/N	36.00	+0.00 / -0.04	36.00	50.00	10.00	36.00	+0.00 / -0.04	50.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R037047070RA/N	37.00	+0.00 / -0.04	37.00	47.00	7.00	37.00	+0.00 / -0.04	47.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R038048070RA/N	38.00	+0.00 / -0.04	38.00	48.00	7.00	38.00	+0.00 / -0.04	48.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R040048055RA/N	40.00	+0.00 / -0.05	40.00	48.00	5.50	40.00	+0.00 / -0.05	48.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R040048080RA/N	40.00	+0.00 / -0.05	40.00	48.00	8.00	40.00	+0.00 / -0.05	48.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R040050070RA/N	40.00	+0.00 / -0.05	40.00	50.00	7.00	40.00	+0.00 / -0.05	50.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R040050075RA/N	40.00	+0.00 / -0.05	40.00	50.00	7.50	40.00	+0.00 / -0.05	50.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R040052085RA/N	40.00	+0.00 / -0.05	40.00	52.00	8.50	40.00	+0.00 / -0.05	52.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R042052070RA/N	42.00	+0.00 / -0.05	42.00	52.00	7.00	42.00	+0.00 / -0.05	52.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R044054070RA/N	44.00	+0.00 / -0.05	44.00	54.00	7.00	44.00	+0.00 / -0.05	54.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R045055070RA/N	45.00	+0.00 / -0.05	45.00	55.00	7.00	45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R045060100RA/N	45.00	+0.00 / -0.05	45.00	60.00	10.00	45.00	+0.00 / -0.05	60.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R046056070RA/N	46.00	+0.00 / -0.05	46.00	56.00	7.00	46.00	+0.00 / -0.05	56.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R047057070RA/N	47.00	+0.00 / -0.05	47.00	57.00	7.00	47.00	+0.00 / -0.05	57.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R048058070RA/N	48.00	+0.00 / -0.05	48.00	58.00	7.00	48.00	+0.00 / -0.05	58.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R050058080RA/N	50.00	+0.00 / -0.05	50.00	58.00	8.00	50.00	+0.00 / -0.05	58.00	+0.19 / -0.00	8.50	+0.20 / -0.00	O/R
R050060070RA/N	50.00	+0.00 / -0.05	50.00	60.00	7.00	50.00	+0.00 / -0.05	60.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R050063085RA/N	50.00	+0.00 / -0.05	50.00	63.00	8.50	50.00	+0.00 / -0.05	63.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R050063120RA/N	50.00	+0.00 / -0.05	50.00	63.00	12.00	50.00	+0.00 / -0.05	63.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R

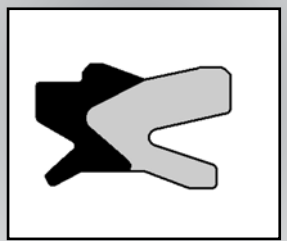
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R050066110RA/N	50.00	+0.00 / -0.05	50.00	66.00	11.00	50.00	+0.00 / -0.05	66.00	+0.19 / -0.00	12.00	+0.20 / -0.00	O/R
R054064070RA/N	54.00	+0.00 / -0.05	54.00	64.00	7.00	54.00	+0.00 / -0.05	64.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R054065070RA/N	54.00	+0.00 / -0.05	54.00	65.00	7.00	54.00	+0.00 / -0.05	65.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R055065070RA/N	55.00	+0.00 / -0.05	55.00	65.00	7.00	55.00	+0.00 / -0.05	65.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R055070115RA/N	55.00	+0.00 / -0.05	55.00	70.00	11.50	55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	12.50	+0.20 / -0.00	O/R
R056066070RA/N	56.00	+0.00 / -0.05	56.00	66.00	7.00	56.00	+0.00 / -0.05	66.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R056070120RA/N	56.00	+0.00 / -0.05	56.00	70.00	12.00	56.00	+0.00 / -0.05	70.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R057067070RA/N	57.00	+0.00 / -0.05	57.00	67.00	7.00	57.00	+0.00 / -0.05	67.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R058068070RA/N	58.00	+0.00 / -0.05	58.00	68.00	7.00	58.00	+0.00 / -0.05	68.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R059071075RA/N	59.00	+0.00 / -0.05	59.00	71.00	7.50	59.00	+0.00 / -0.05	71.00	+0.19 / -0.00	8.00	+0.20 / -0.00	O/R
R060072085RA/N	60.00	+0.00 / -0.05	60.00	72.00	8.50	60.00	+0.00 / -0.05	72.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R060080140RA/N	60.00	+0.00 / -0.05	60.00	80.00	14.00	60.00	+0.00 / -0.05	80.00	+0.19 / -0.00	15.00	+0.20 / -0.00	O/R
R063073070RA/N	63.00	+0.00 / -0.05	63.00	73.00	7.00	63.00	+0.00 / -0.05	73.00	+0.19 / -0.00	7.50	+0.20 / -0.00	O/R
R063075085RA/N	63.00	+0.00 / -0.05	63.00	75.00	8.50	63.00	+0.00 / -0.05	75.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R063080160RA/N	63.00	+0.00 / -0.05	63.00	80.00	16.00	63.00	+0.00 / -0.05	80.00	+0.19 / -0.00	17.00	+0.20 / -0.00	O/R
R064076075RA/N	64.00	+0.00 / -0.06	64.00	76.00	7.50	64.00	+0.00 / -0.06	76.00	+0.19 / -0.00	8.00	+0.20 / -0.00	O/R
R065077085RA/N	65.00	+0.00 / -0.06	65.00	77.00	8.50	65.00	+0.00 / -0.06	77.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R068080085RA/N	68.00	+0.00 / -0.06	68.00	80.00	8.50	68.00	+0.00 / -0.06	80.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R070082085RA/N	70.00	+0.00 / -0.06	70.00	82.00	8.50	70.00	+0.00 / -0.06	82.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R075087085RA/N	75.00	+0.00 / -0.06	75.00	87.00	8.50	75.00	+0.00 / -0.06	87.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R075095140RA/N	75.00	+0.00 / -0.06	75.00	95.00	14.00	75.00	+0.00 / -0.06	95.00	+0.22 / -0.00	15.00	+0.20 / -0.00	O/R
R080090070RA/N	80.00	+0.00 / -0.09	80.00	90.00	7.00	80.00	+0.00 / -0.09	90.00	+0.22 / -0.00	7.50	+0.20 / -0.00	O/R
R080092075RA/N	80.00	+0.00 / -0.09	80.00	92.00	7.50	80.00	+0.00 / -0.09	92.00	+0.22 / -0.00	8.00	+0.20 / -0.00	O/R
R080092085RA/N	80.00	+0.00 / -0.09	80.00	92.00	8.50	80.00	+0.00 / -0.09	92.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R080100140RA/N	80.00	+0.00 / -0.09	80.00	100.00	14.00	80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	15.00	+0.20 / -0.00	O/R
R085097085RA/N	85.00	+0.00 / -0.09	85.00	97.00	8.50	85.00	+0.00 / -0.09	97.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R085100100RA/N	85.00	+0.00 / -0.09	85.00	100.00	10.00	85.00	+0.00 / -0.09	100.00	+0.22 / -0.00	11.00	+0.20 / -0.00	O/R
R088100085RA/N	88.00	+0.00 / -0.09	88.00	100.00	8.50	88.00	+0.00 / -0.09	100.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R090102085RA/N	90.00	+0.00 / -0.09	90.00	102.00	8.50	90.00	+0.00 / -0.09	102.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R090110160RA/N	90.00	+0.00 / -0.09	90.00	110.00	16.00	90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	17.00	+0.20 / -0.00	O/R
R095107085RA/N	95.00	+0.00 / -0.09	95.00	107.00	8.50	95.00	+0.00 / -0.09	107.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R100110070RA/N	100.00	+0.00 / -0.09	100.00	110.00	7.00	100.00	+0.00 / -0.09	110.00	+0.22 / -0.00	7.50	+0.20 / -0.00	O/R
R100115100RA/N	100.00	+0.00 / -0.09	100.00	115.00	10.00	100.00	+0.00 / -0.09	115.00	+0.22 / -0.00	11.00	+0.20 / -0.00	O/R
R105120100RA/N	105.00	+0.00 / -0.13	105.00	120.00	10.00	105.00	+0.00 / -0.13	120.00	+0.22 / -0.00	11.00	+0.20 / -0.00	O/R
R105125120RA/N	105.00	+0.00 / -0.13	105.00	125.00	12.00	105.00	+0.00 / -0.13	125.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R110125100RA/N	110.00	+0.00 / -0.13	110.00	125.00	10.00	110.00	+0.00 / -0.13	125.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R110130140RA/N	110.00	+0.00 / -0.13	110.00	130.00	14.00	110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R115130100RA/N	115.00	+0.00 / -0.13	115.00	130.00	10.00	115.00	+0.00 / -0.13	130.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R115135140RA/N	115.00	+0.00 / -0.13	115.00	135.00	14.00	115.00	+0.00 / -0.13	135.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R120135100RA/N	120.00	+0.00 / -0.13	120.00	135.00	10.00	120.00	+0.00 / -0.13	135.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R120140140RA/N	120.00	+0.00 / -0.13	120.00	140.00	14.00	120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R125140100RA/N	125.00	+0.00 / -0.13	125.00	140.00	10.00	125.00	+0.00 / -0.13	140.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R125145120RA/N	125.00	+0.00 / -0.13	125.00	145.00	12.00	125.00	+0.00 / -0.13	145.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R127145140RA/N	127.00	+0.00 / -0.13	127.00	145.00	14.00	127.00	+0.00 / -0.13	145.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R128148140RA/N	128.00	+0.00 / -0.13	128.00	148.00	14.00	128.00	+0.00 / -0.13	148.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R130145100RA/N	130.00	+0.00 / -0.13	130.00	145.00	10.00	130.00	+0.00 / -0.13	145.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R130150140RA/N	130.00	+0.00 / -0.13	130.00	150.00	14.00	130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R135150100RA/N	135.00	+0.00 / -0.13	135.00	150.00	10.00	135.00	+0.00 / -0.13	150.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R

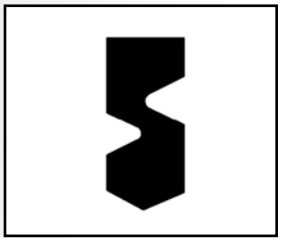
RA/N SERIES - NBR 85A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R140160140RA/N	140.00	+0.00 / -0.13	140.00	160.00	14.00	140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R142157100RA/N	142.00	+0.00 / -0.13	142.00	157.00	10.00	142.00	+0.00 / -0.13	157.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R145165120RA/N	145.00	+0.00 / -0.13	145.00	165.00	12.00	145.00	+0.00 / -0.13	165.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R145165130RA/N	145.00	+0.00 / -0.13	145.00	165.00	13.00	145.00	+0.00 / -0.13	165.00	+0.25 / -0.00	14.00	+0.20 / -0.00	O/R
R150170140RA/N	150.00	+0.00 / -0.13	150.00	170.00	14.00	150.00	+0.00 / -0.13	170.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R154176155RA/N	154.00	+0.00 / -0.13	154.00	176.00	15.50	154.00	+0.00 / -0.13	176.00	+0.25 / -0.00	16.50	+0.20 / -0.00	O/R
R155170100RA/N	155.00	+0.00 / -0.13	155.00	170.00	10.00	155.00	+0.00 / -0.13	170.00	+0.25 / -0.00	11.00	+0.20 / -0.00	O/R
R155175140RA/N	155.00	+0.00 / -0.13	155.00	175.00	14.00	155.00	+0.00 / -0.13	175.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R160180140RA/N	160.00	+0.00 / -0.13	160.00	180.00	14.00	160.00	+0.00 / -0.13	180.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R160184150RA/N	160.00	+0.00 / -0.13	160.00	184.00	15.00	160.00	+0.00 / -0.13	184.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R166188155RA/N	166.00	+0.00 / -0.13	166.00	188.00	15.50	166.00	+0.00 / -0.13	188.00	+0.29 / -0.00	16.50	+0.20 / -0.00	O/R
R170190140RA/N	170.00	+0.00 / -0.13	170.00	190.00	14.00	170.00	+0.00 / -0.13	190.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R170194150RA/N	170.00	+0.00 / -0.13	170.00	194.00	15.00	170.00	+0.00 / -0.13	194.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R180200140RA/N	180.00	+0.00 / -0.13	180.00	200.00	14.00	180.00	+0.00 / -0.13	200.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R185210175RA/N	185.00	+0.00 / -0.13	185.00	210.00	17.50	185.00	+0.00 / -0.13	210.00	+0.29 / -0.00	18.50	+0.20 / -0.00	O/R
R185215200RA/N	185.00	+0.00 / -0.13	185.00	215.00	20.00	185.00	+0.00 / -0.13	215.00	+0.29 / -0.00	21.00	+0.20 / -0.00	O/R
R190210140RA/N	190.00	+0.00 / -0.13	190.00	210.00	14.00	190.00	+0.00 / -0.13	210.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R200220140RA/N	200.00	+0.00 / -0.13	200.00	220.00	14.00	200.00	+0.00 / -0.13	220.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R200230150RA/N	200.00	+0.00 / -0.13	200.00	230.00	15.00	200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R210230140RA/N	210.00	+0.00 / -0.13	210.00	230.00	14.00	210.00	+0.00 / -0.13	230.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R220240140RA/N	220.00	+0.00 / -0.13	220.00	240.00	14.00	220.00	+0.00 / -0.13	240.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R220250200RA/N	220.00	+0.00 / -0.13	220.00	250.00	20.00	220.00	+0.00 / -0.13	250.00	+0.29 / -0.00	21.00	+0.20 / -0.00	O/R
R225250140RA/N	225.00	+0.00 / -0.13	225.00	250.00	14.00	225.00	+0.00 / -0.13	250.00	+0.29 / -0.00	15.00	+0.20 / -0.00	O/R
R235265210RA/N	235.00	+0.00 / -0.13	235.00	265.00	21.00	235.00	+0.00 / -0.13	265.00	+0.32 / -0.00	22.00	+0.20 / -0.00	O/R
R238260150RA/N	238.00	+0.00 / -0.13	238.00	260.00	15.00	238.00	+0.00 / -0.13	260.00	+0.32 / -0.00	16.00	+0.20 / -0.00	O/R
R240270200RA/N	240.00	+0.00 / -0.13	240.00	270.00	20.00	240.00	+0.00 / -0.13	270.00	+0.32 / -0.00	21.00	+0.20 / -0.00	O/R
R260290210RA/N	260.00	+0.00 / -0.13	260.00	290.00	21.00	260.00	+0.00 / -0.13	290.00	+0.32 / -0.00	22.00	+0.20 / -0.00	O/R
R280310200RA/N	280.00	+0.00 / -0.13	280.00	310.00	20.00	280.00	+0.00 / -0.13	310.00	+0.32 / -0.00	21.00	+0.20 / -0.00	O/R
R320350200RA/N	320.00	+0.00 / -0.13	320.00	350.00	20.00	320.00	+0.00 / -0.13	350.00	+0.36 / -0.00	21.00	+0.20 / -0.00	O/R

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

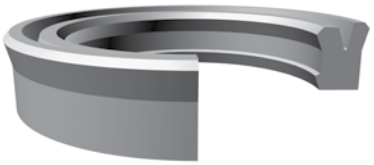


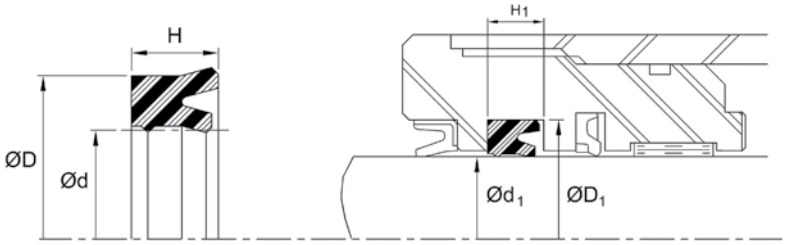




RC - Rod Seals

Polyurethane AU 93A





Temperature: -31/212F [-35/100C] **Pressure: 5800 PSI [400 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R004012060RC	4.00	+0.00 / -0.04	4.00	12.00	6.00	4.00	+0.00 / -0.04	12.00	+0.11 / -0.00	7.00	+0.20 / -0.00	O/R
R006013050RC	6.00	+0.00 / -0.04	6.00	13.00	5.00	6.00	+0.00 / -0.04	13.00	+0.11 / -0.00	5.50	+0.20 / -0.00	O/R
R006014055RC	6.00	+0.00 / -0.04	6.00	14.00	5.50	6.00	+0.00 / -0.04	14.00	+0.11 / -0.00	6.00	+0.20 / -0.00	O/R
R006014057RC	6.00	+0.00 / -0.04	6.00	14.00	5.70	6.00	+0.00 / -0.04	14.00	+0.11 / -0.00	6.30	+0.20 / -0.00	5.40
R006016060RC	6.00	+0.00 / -0.04	6.00	16.00	6.00	6.00	+0.00 / -0.04	16.00	+0.11 / -0.00	7.00	+0.20 / -0.00	O/R
R008016055RC	8.00	+0.00 / -0.04	8.00	16.00	5.50	8.00	+0.00 / -0.04	16.00	+0.11 / -0.00	6.00	+0.20 / -0.00	O/R
R008016057RC	8.00	+0.00 / -0.04	8.00	16.00	5.70	8.00	+0.00 / -0.04	16.00	+0.11 / -0.00	6.30	+0.20 / -0.00	5.80
R008016080RC	8.00	+0.00 / -0.04	8.00	16.00	8.00	8.00	+0.00 / -0.04	16.00	+0.11 / -0.00	9.00	+0.20 / -0.00	O/R
R008018080RC	8.00	+0.00 / -0.04	8.00	18.00	8.00	8.00	+0.00 / -0.04	18.00	+0.11 / -0.00	9.00	+0.20 / -0.00	O/R
R009016057RC	9.00	+0.00 / -0.04	9.00	16.00	5.70	9.00	+0.00 / -0.04	16.00	+0.11 / -0.00	6.30	+0.20 / -0.00	O/R
R010016045RC	10.00	+0.00 / -0.04	10.00	16.00	4.50	10.00	+0.00 / -0.04	16.00	+0.11 / -0.00	5.30	+0.20 / -0.00	5.80
R010017057RC	10.00	+0.00 / -0.04	10.00	17.00	5.70	10.00	+0.00 / -0.04	17.00	+0.11 / -0.00	6.30	+0.20 / -0.00	O/R
R010018055RC	10.00	+0.00 / -0.04	10.00	18.00	5.50	10.00	+0.00 / -0.04	18.00	+0.11 / -0.00	6.00	+0.20 / -0.00	6.15
R010018057RC	10.00	+0.00 / -0.04	10.00	18.00	5.70	10.00	+0.00 / -0.04	18.00	+0.11 / -0.00	6.30	+0.20 / -0.00	6.15
R010020045RC	10.00	+0.00 / -0.04	10.00	20.00	4.50	10.00	+0.00 / -0.04	20.00	+0.13 / -0.00	5.00	+0.20 / -0.00	O/R
R010020070RC	10.00	+0.00 / -0.04	10.00	20.00	7.00	10.00	+0.00 / -0.04	20.00	+0.13 / -0.00	8.00	+0.20 / -0.00	O/R
R010020080RC	10.00	+0.00 / -0.04	10.00	20.00	8.00	10.00	+0.00 / -0.04	20.00	+0.13 / -0.00	9.00	+0.20 / -0.00	O/R
R012020055RC	12.00	+0.00 / -0.04	12.00	20.00	5.50	12.00	+0.00 / -0.04	20.00	+0.13 / -0.00	6.00	+0.20 / -0.00	7.20
R012020057RC	12.00	+0.00 / -0.04	12.00	20.00	5.70	12.00	+0.00 / -0.04	20.00	+0.13 / -0.00	6.30	+0.20 / -0.00	7.20
R012020080RC	12.00	+0.00 / -0.04	12.00	20.00	8.00	12.00	+0.00 / -0.04	20.00	+0.13 / -0.00	9.00	+0.20 / -0.00	O/R
R012022073RC	12.00	+0.00 / -0.04	12.00	22.00	7.30	12.00	+0.00 / -0.04	22.00	+0.13 / -0.00	8.00	+0.20 / -0.00	O/R
R012022080RC	12.00	+0.00 / -0.04	12.00	22.00	8.00	12.00	+0.00 / -0.04	22.00	+0.13 / -0.00	9.00	+0.20 / -0.00	O/R
R014022055RC	14.00	+0.00 / -0.04	14.00	22.00	5.50	14.00	+0.00 / -0.04	22.00	+0.13 / -0.00	6.00	+0.20 / -0.00	O/R
R014022057RC	14.00	+0.00 / -0.04	14.00	22.00	5.70	14.00	+0.00 / -0.04	22.00	+0.13 / -0.00	6.30	+0.20 / -0.00	7.20
R014024073RC	14.00	+0.00 / -0.04	14.00	24.00	7.30	14.00	+0.00 / -0.04	24.00	+0.13 / -0.00	8.00	+0.20 / -0.00	7.55
R014024080RC	14.00	+0.00 / -0.04	14.00	24.00	8.00	14.00	+0.00 / -0.04	24.00	+0.13 / -0.00	9.00	+0.20 / -0.00	7.55
R015025065RC	15.40	+0.00 / -0.04	15.40	25.50	6.50	15.40	+0.00 / -0.04	25.50	+0.13 / -0.00	7.40	+0.20 / -0.00	O/R
R015025080RC	15.00	+0.00 / -0.04	15.00	25.00	8.00	15.00	+0.00 / -0.04	25.00	+0.13 / -0.00	9.00	+0.20 / -0.00	O/R
R015026070RC	15.00	+0.00 / -0.04	15.00	26.00	7.00	15.00	+0.00 / -0.04	26.00	+0.13 / -0.00	8.00	+0.20 / -0.00	7.55
R016024055RC	16.00	+0.00 / -0.04	16.00	24.00	5.50	16.00	+0.00 / -0.04	24.00	+0.13 / -0.00	6.00	+0.20 / -0.00	7.55
R016024057RC	16.00	+0.00 / -0.04	16.00	24.00	5.70	16.00	+0.00 / -0.04	24.00	+0.13 / -0.00	6.30	+0.20 / -0.00	7.55
R016024058RC	16.00	+0.00 / -0.04	16.00	24.00	5.80	16.00	+0.00 / -0.04	24.00	+0.13 / -0.00	6.30	+0.20 / -0.00	7.55
R016024063RC	16.00	+0.00 / -0.04	16.00	24.00	6.30	16.00	+0.00 / -0.04	24.00	+0.13 / -0.00	7.00	+0.20 / -0.00	O/R
R016026070RC	16.00	+0.00 / -0.04	16.00	26.00	7.00	16.00	+0.00 / -0.04	26.00	+0.13 / -0.00	8.00	+0.20 / -0.00	O/R
R016026073RC	16.00	+0.00 / -0.04	16.00	26.00	7.30	16.00	+0.00 / -0.04	26.00	+0.13 / -0.00	8.00	+0.20 / -0.00	7.55
R016026080RC	16.00	+0.00 / -0.04	16.00	26.00	8.00	16.00	+0.00 / -0.04	26.00	+0.13 / -0.00	9.00	+0.20 / -0.00	O/R
R018025050RC	18.00	+0.00 / -0.04	18.00	25.00	5.00	18.00	+0.00 / -0.04	25.00	+0.13 / -0.00	5.50	+0.20 / -0.00	O/R
R018026055RC	18.00	+0.00 / -0.04	18.00	26.00	5.50	18.00	+0.00 / -0.04	26.00	+0.13 / -0.00	6.00	+0.20 / -0.00	7.90

RC SERIES - AU 93A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R018026063RC	18.00	+0.00 / -0.04	18.00	26.00	6.30	18.00	+0.00 / -0.04	26.00	+0.13 / -0.00	7.00	+0.20 / -0.00	8.35
R018026080RC	18.00	+0.00 / -0.04	18.00	26.00	8.00	18.00	+0.00 / -0.04	26.00	+0.13 / -0.00	9.00	+0.20 / -0.00	8.35
R018028073RC	18.00	+0.00 / -0.04	18.00	28.00	7.30	18.00	+0.00 / -0.04	28.00	+0.13 / -0.00	8.00	+0.20 / -0.00	8.35
R018028080RC	18.00	+0.00 / -0.04	18.00	28.00	8.00	18.00	+0.00 / -0.04	28.00	+0.13 / -0.00	9.00	+0.20 / -0.00	O/R
R019027080RC	19.50	+0.00 / -0.04	19.50	27.50	8.00	19.50	+0.00 / -0.04	27.50	+0.13 / -0.00	9.00	+0.20 / -0.00	8.35
R020026048RC	20.00	+0.00 / -0.04	20.00	26.00	4.80	20.00	+0.00 / -0.04	26.00	+0.13 / -0.00	5.30	+0.20 / -0.00	O/R
R020026050RC	20.00	+0.00 / -0.04	20.00	26.00	5.00	20.00	+0.00 / -0.04	26.00	+0.13 / -0.00	5.50	+0.20 / -0.00	7.55
R020028040RC	20.00	+0.00 / -0.04	20.00	28.00	4.00	20.00	+0.00 / -0.04	28.00	+0.13 / -0.00	4.50	+0.20 / -0.00	O/R
R020028055RC	20.00	+0.00 / -0.04	20.00	28.00	5.50	20.00	+0.00 / -0.04	28.00	+0.13 / -0.00	6.00	+0.20 / -0.00	7.90
R020028057RC	20.00	+0.00 / -0.04	20.00	28.00	5.70	20.00	+0.00 / -0.04	28.00	+0.13 / -0.00	6.30	+0.20 / -0.00	7.90
R020030060RC	20.00	+0.00 / -0.04	20.00	30.00	6.00	20.00	+0.00 / -0.04	30.00	+0.16 / -0.00	7.00	+0.20 / -0.00	O/R
R020030070RC	20.00	+0.00 / -0.04	20.00	30.00	7.00	20.00	+0.00 / -0.04	30.00	+0.16 / -0.00	8.00	+0.20 / -0.00	8.75
R020030073RC	20.00	+0.00 / -0.04	20.00	30.00	7.30	20.00	+0.00 / -0.04	30.00	+0.16 / -0.00	8.00	+0.20 / -0.00	8.75
R020030080RC	20.00	+0.00 / -0.04	20.00	30.00	8.00	20.00	+0.00 / -0.04	30.00	+0.16 / -0.00	9.00	+0.20 / -0.00	8.75
R020030100RC	20.00	+0.00 / -0.04	20.00	30.00	10.00	20.00	+0.00 / -0.04	30.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R020035100RC	20.00	+0.00 / -0.04	20.00	35.00	10.00	20.00	+0.00 / -0.04	35.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R020040045RC	20.00	+0.00 / -0.04	20.00	40.00	4.50	20.00	+0.00 / -0.04	40.00	+0.16 / -0.00	5.00	+0.20 / -0.00	O/R
R022030060RC	22.00	+0.00 / -0.04	22.00	30.00	6.00	22.00	+0.00 / -0.04	30.00	+0.16 / -0.00	7.00	+0.20 / -0.00	8.75
R022030070RC	22.00	+0.00 / -0.04	22.00	30.00	7.00	22.00	+0.00 / -0.04	30.00	+0.16 / -0.00	8.00	+0.20 / -0.00	8.75
R022032060RC	22.00	+0.00 / -0.04	22.00	32.00	6.00	22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	7.00	+0.20 / -0.00	O/R
R022032073RC	22.00	+0.00 / -0.04	22.00	32.00	7.30	22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	8.00	+0.20 / -0.00	8.75
R022032080RC	22.00	+0.00 / -0.04	22.00	32.00	8.00	22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	9.00	+0.20 / -0.00	O/R
R022035100RC	22.00	+0.00 / -0.04	22.00	35.00	10.00	22.00	+0.00 / -0.04	35.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R023035100RC	23.00	+0.00 / -0.04	23.00	35.00	10.00	23.00	+0.00 / -0.04	35.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R025032100RC	25.00	+0.00 / -0.04	25.00	32.00	10.00	25.00	+0.00 / -0.04	32.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R025033055RC	25.00	+0.00 / -0.04	25.00	33.00	5.50	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	6.00	+0.20 / -0.00	O/R
R025033057RC	25.00	+0.00 / -0.04	25.00	33.00	5.70	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	6.30	+0.20 / -0.00	9.55
R025033063RC	25.00	+0.00 / -0.04	25.00	33.00	6.30	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	7.00	+0.20 / -0.00	9.55
R025033065RC	25.00	+0.00 / -0.04	25.00	33.00	6.50	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	7.30	+0.20 / -0.00	9.55
R025033073RC	25.00	+0.00 / -0.04	25.00	33.00	7.30	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	8.00	+0.20 / -0.00	9.55
R025033080RC	25.00	+0.00 / -0.04	25.00	33.00	8.00	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	9.00	+0.20 / -0.00	9.55
R025033100RC	25.00	+0.00 / -0.04	25.00	33.00	10.00	25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	11.00	+0.20 / -0.00	9.55
R025035060RC	25.00	+0.00 / -0.04	25.00	35.00	6.00	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	7.00	+0.20 / -0.00	O/R
R025035070RC	25.00	+0.00 / -0.04	25.00	35.00	7.00	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	8.00	+0.20 / -0.00	9.55
R025035073RC	25.00	+0.00 / -0.04	25.00	35.00	7.30	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	8.00	+0.20 / -0.00	9.55
R025035080RC	25.00	+0.00 / -0.04	25.00	35.00	8.00	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	9.00	+0.20 / -0.00	9.55
R025035100RC	25.00	+0.00 / -0.04	25.00	35.00	10.00	25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R025038100RC	25.00	+0.00 / -0.04	25.00	38.00	10.00	25.00	+0.00 / -0.04	38.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R025040100RC	25.00	+0.00 / -0.04	25.00	40.00	10.00	25.00	+0.00 / -0.04	40.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R025045120RC	25.00	+0.00 / -0.04	25.00	45.00	12.00	25.00	+0.00 / -0.04	45.00	+0.16 / -0.00	13.00	+0.20 / -0.00	O/R
R028036070RC	28.00	+0.00 / -0.04	28.00	36.00	7.00	28.00	+0.00 / -0.04	36.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R028036073RC	28.00	+0.00 / -0.04	28.00	36.00	7.30	28.00	+0.00 / -0.04	36.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R028036080RC	28.00	+0.00 / -0.04	28.00	36.00	8.00	28.00	+0.00 / -0.04	36.00	+0.16 / -0.00	9.00	+0.20 / -0.00	O/R
R028038073RC	28.00	+0.00 / -0.04	28.00	38.00	7.30	28.00	+0.00 / -0.04	38.00	+0.16 / -0.00	8.00	+0.20 / -0.00	9.60
R028038075RC	28.00	+0.00 / -0.04	28.00	38.00	7.50	28.00	+0.00 / -0.04	38.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R028038080RC	28.00	+0.00 / -0.04	28.00	38.00	8.00	28.00	+0.00 / -0.04	38.00	+0.16 / -0.00	9.00	+0.20 / -0.00	9.55
R028038100RC	28.00	+0.00 / -0.04	28.00	38.00	10.00	28.00	+0.00 / -0.04	38.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R028043100RC	28.00	+0.00 / -0.04	28.00	43.00	10.00	28.00	+0.00 / -0.04	43.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R028043114RC	28.00	+0.00 / -0.04	28.00	43.00	11.40	28.00	+0.00 / -0.04	43.00	+0.16 / -0.00	12.50	+0.20 / -0.00	O/R
R030040065RC	30.00	+0.00 / -0.04	30.00	40.00	6.50	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	7.50	+0.20 / -0.00	9.90
R030040073RC	30.00	+0.00 / -0.04	30.00	40.00	7.30	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	8.00	+0.20 / -0.00	9.90
R030040080RC	30.00	+0.00 / -0.04	30.00	40.00	8.00	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	9.00	+0.20 / -0.00	9.90
R030040100RC	30.00	+0.00 / -0.04	30.00	40.00	10.00	30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	11.00	+0.20 / -0.00	10.25
R030042085RC	30.00	+0.00 / -0.04	30.00	42.00	8.50	30.00	+0.00 / -0.04	42.00	+0.16 / -0.00	9.50	+0.20 / -0.00	O/R
R030045100RC	30.00	+0.00 / -0.04	30.00	45.00	10.00	30.00	+0.00 / -0.04	45.00	+0.16 / -0.00	11.00	+0.20 / -0.00	12.30
R030045110RC	30.00	+0.00 / -0.04	30.00	45.00	11.00	30.00	+0.00 / -0.04	45.00	+0.16 / -0.00	12.00	+0.20 / -0.00	O/R
R030050120RC	30.00	+0.00 / -0.04	30.00	50.00	12.00	30.00	+0.00 / -0.04	50.00	+0.16 / -0.00	13.00	+0.20 / -0.00	O/R
R032040067RC	32.00	+0.00 / -0.04	32.00	40.00	6.70	32.00	+0.00 / -0.04	40.00	+0.16 / -0.00	7.50	+0.20 / -0.00	10.25
R032040080RC	32.00	+0.00 / -0.04	32.00	40.00	8.00	32.00	+0.00 / -0.04	40.00	+0.16 / -0.00	9.00	+0.20 / -0.00	10.25
R032041079RC	32.00	+0.00 / -0.04	32.00	41.50	7.90	32.00	+0.00 / -0.04	41.50	+0.16 / -0.00	8.90	+0.20 / -0.00	10.25
R032042073RC	32.00	+0.00 / -0.04	32.00	42.00	7.30	32.00	+0.00 / -0.04	42.00	+0.16 / -0.00	8.00	+0.20 / -0.00	10.25
R032042100RC	32.00	+0.00 / -0.04	32.00	42.00	10.00	32.00	+0.00 / -0.04	42.00	+0.16 / -0.00	11.00	+0.20 / -0.00	10.25
R032045100RC	32.00	+0.00 / -0.04	32.00	45.00	10.00	32.00	+0.00 / -0.04	45.00	+0.16 / -0.00	11.00	+0.20 / -0.00	15.45
R032047100RC	32.00	+0.00 / -0.04	32.00	47.00	10.00	32.00	+0.00 / -0.04	47.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R032047114RC	32.00	+0.00 / -0.04	32.00	47.00	11.40	32.00	+0.00 / -0.04	47.00	+0.16 / -0.00	12.50	+0.20 / -0.00	O/R
R033043100RC	33.00	+0.00 / -0.04	33.00	43.00	10.00	33.00	+0.00 / -0.04	43.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R035043073RC	35.00	+0.00 / -0.04	35.00	43.00	7.30	35.00	+0.00 / -0.04	43.00	+0.16 / -0.00	8.00	+0.20 / -0.00	11.95
R035045065RC	35.00	+0.00 / -0.04	35.00	45.00	6.50	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	7.50	+0.20 / -0.00	O/R
R035045070RC	35.00	+0.00 / -0.04	35.00	45.00	7.00	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	8.00	+0.20 / -0.00	12.65
R035045073RC	35.00	+0.00 / -0.04	35.00	45.00	7.30	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	8.00	+0.20 / -0.00	O/R
R035045080RC	35.00	+0.00 / -0.04	35.00	45.00	8.00	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	9.00	+0.20 / -0.00	O/R
R035045100RC	35.00	+0.00 / -0.04	35.00	45.00	10.00	35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	11.00	+0.20 / -0.00	12.30
R035050100RC	35.00	+0.00 / -0.04	35.00	50.00	10.00	35.00	+0.00 / -0.04	50.00	+0.16 / -0.00	11.00	+0.20 / -0.00	13.10
R036044063RC	36.00	+0.00 / -0.04	36.00	44.00	6.30	36.00	+0.00 / -0.04	44.00	+0.16 / -0.00	7.00	+0.20 / -0.00	12.30
R036046070RC	36.00	+0.00 / -0.04	36.00	46.00	7.00	36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	8.00	+0.20 / -0.00	16.30
R036046073RC	36.00	+0.00 / -0.04	36.00	46.00	7.30	36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	8.00	+0.20 / -0.00	12.30
R036046075RC	36.00	+0.00 / -0.04	36.00	46.00	7.50	36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	8.50	+0.20 / -0.00	O/R
R036046080RC	36.00	+0.00 / -0.04	36.00	46.00	8.00	36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	9.00	+0.20 / -0.00	12.30
R036046100RC	36.00	+0.00 / -0.04	36.00	46.00	10.00	36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	11.00	+0.20 / -0.00	12.30
R036051100RC	36.00	+0.00 / -0.04	36.00	51.00	10.00	36.00	+0.00 / -0.04	51.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R036056120RC	36.00	+0.00 / -0.04	36.00	56.00	12.00	36.00	+0.00 / -0.04	56.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R037047080RC	37.00	+0.00 / -0.04	37.00	47.00	8.00	37.00	+0.00 / -0.04	47.00	+0.16 / -0.00	9.00	+0.20 / -0.00	13.10
R037047100RC	37.00	+0.00 / -0.04	37.00	47.00	10.00	37.00	+0.00 / -0.04	47.00	+0.16 / -0.00	11.00	+0.20 / -0.00	O/R
R038050085RC	38.00	+0.00 / -0.04	38.00	50.00	8.50	38.00	+0.00 / -0.04	50.00	+0.16 / -0.00	9.50	+0.20 / -0.00	13.10
R038055100RC	38.00	+0.00 / -0.04	38.00	55.00	10.00	38.00	+0.00 / -0.04	55.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R040048057RC	40.00	+0.00 / -0.05	40.00	48.00	5.70	40.00	+0.00 / -0.05	48.00	+0.16 / -0.00	6.30	+0.20 / -0.00	13.10
R040049095RC	40.00	+0.00 / -0.05	40.00	49.50	9.50	40.00	+0.00 / -0.05	49.50	+0.16 / -0.00	10.50	+0.20 / -0.00	13.10
R040050073RC	40.00	+0.00 / -0.05	40.00	50.00	7.30	40.00	+0.00 / -0.05	50.00	+0.16 / -0.00	8.00	+0.20 / -0.00	13.10
R040050100RC	40.00	+0.00 / -0.05	40.00	50.00	10.00	40.00	+0.00 / -0.05	50.00	+0.16 / -0.00	11.00	+0.20 / -0.00	13.10
R040055100RC	40.00	+0.00 / -0.05	40.00	55.00	10.00	40.00	+0.00 / -0.05	55.00	+0.19 / -0.00	11.00	+0.20 / -0.00	13.90
R040055114RC	40.00	+0.00 / -0.05	40.00	55.00	11.40	40.00	+0.00 / -0.05	55.00	+0.19 / -0.00	12.50	+0.20 / -0.00	O/R
R040060100RC	40.00	+0.00 / -0.05	40.00	60.00	10.00	40.00	+0.00 / -0.05	60.00	+0.19 / -0.00	11.00	+0.20 / -0.00	14.65
R040060120RC	40.00	+0.00 / -0.05	40.00	60.00	12.00	40.00	+0.00 / -0.05	60.00	+0.19 / -0.00	13.00	+0.20 / -0.00	13.10
R042050114RC	42.00	+0.00 / -0.05	42.00	50.00	11.40	42.00	+0.00 / -0.05	50.00	+0.16 / -0.00	12.50	+0.20 / -0.00	13.10
R042052100RC	42.00	+0.00 / -0.05	42.00	52.00	10.00	42.00	+0.00 / -0.05	52.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R042053090RC	42.00	+0.00 / -0.05	42.00	53.00	10.00	42.00	+0.00 / -0.05	53.00	+0.19 / -0.00	10.00	+0.20 / -0.00	13.90

RC SERIES - AU 93A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R043053073RC	43.00	+0.00 / -0.05	43.00	53.00	7.30	43.00	+0.00 / -0.05	53.00	+0.19 / -0.00	8.00	+0.20 / -0.00	O/R
R045053056RC	45.00	+0.00 / -0.05	45.00	53.00	5.60	45.00	+0.00 / -0.05	53.00	+0.19 / -0.00	6.30	+0.20 / -0.00	13.10
R045053080RC	45.00	+0.00 / -0.05	45.00	53.00	8.00	45.00	+0.00 / -0.05	53.00	+0.19 / -0.00	9.00	+0.20 / -0.00	13.10
R045053114RC	45.00	+0.00 / -0.05	45.00	53.00	11.40	45.00	+0.00 / -0.05	53.00	+0.19 / -0.00	12.50	+0.20 / -0.00	13.90
R045053120RC	45.00	+0.00 / -0.05	45.00	53.00	12.00	45.00	+0.00 / -0.05	53.00	+0.19 / -0.00	13.00	+0.20 / -0.00	13.90
R045055070RC	45.00	+0.00 / -0.05	45.00	55.00	7.00	45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	8.00	+0.20 / -0.00	13.90
R045055073RC	45.00	+0.00 / -0.05	45.00	55.00	7.30	45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	8.00	+0.20 / -0.00	13.90
R045055100RC	45.00	+0.00 / -0.05	45.00	55.00	10.00	45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	11.00	+0.20 / -0.00	13.90
R045055114RC	45.00	+0.00 / -0.05	45.00	55.00	11.40	45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	12.50	+0.20 / -0.00	13.90
R045057095RC	45.00	+0.00 / -0.05	45.00	57.70	9.50	45.00	+0.00 / -0.05	57.70	+0.19 / -0.00	10.50	+0.20 / -0.00	13.90
R045060100RC	45.00	+0.00 / -0.05	45.00	60.00	10.00	45.00	+0.00 / -0.05	60.00	+0.19 / -0.00	11.00	+0.20 / -0.00	13.90
R045060114RC	45.00	+0.00 / -0.05	45.00	60.00	11.40	45.00	+0.00 / -0.05	60.00	+0.19 / -0.00	12.50	+0.20 / -0.00	O/R
R045065100RC	45.00	+0.00 / -0.05	45.00	65.00	10.00	45.00	+0.00 / -0.05	65.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R045065120RC	45.00	+0.00 / -0.05	45.00	65.00	12.00	45.00	+0.00 / -0.05	65.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R045065130RC	45.00	+0.00 / -0.05	45.00	65.00	13.00	45.00	+0.00 / -0.05	65.00	+0.19 / -0.00	14.00	+0.20 / -0.00	O/R
R048056114RC	45.00	+0.00 / -0.05	45.00	56.00	11.40	45.00	+0.00 / -0.05	56.00	+0.19 / -0.00	12.50	+0.20 / -0.00	13.90
R048056120RC	45.00	+0.00 / -0.05	45.00	56.00	12.00	45.00	+0.00 / -0.05	56.00	+0.19 / -0.00	13.00	+0.20 / -0.00	13.90
R048063100RC	48.00	+0.00 / -0.05	48.00	63.00	10.00	48.00	+0.00 / -0.05	63.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R048068120RC	48.00	+0.00 / -0.05	48.00	68.00	12.00	48.00	+0.00 / -0.05	68.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R050057100RC	50.00	+0.00 / -0.05	50.00	57.00	10.00	50.00	+0.00 / -0.05	57.00	+0.19 / -0.00	11.00	+0.20 / -0.00	13.90
R050058080RC	50.00	+0.00 / -0.05	50.00	58.00	8.00	50.00	+0.00 / -0.05	58.00	+0.19 / -0.00	9.00	+0.20 / -0.00	14.30
R050058114RC	50.00	+0.00 / -0.05	50.00	58.00	11.40	50.00	+0.00 / -0.05	58.00	+0.19 / -0.00	12.50	+0.20 / -0.00	14.30
R050060070RC	50.00	+0.00 / -0.05	50.00	60.00	7.00	50.00	+0.00 / -0.05	60.00	+0.19 / -0.00	8.00	+0.20 / -0.00	14.30
R050060073RC	50.00	+0.00 / -0.05	50.00	60.00	7.30	50.00	+0.00 / -0.05	60.00	+0.19 / -0.00	8.00	+0.20 / -0.00	14.30
R050060100RC	50.00	+0.00 / -0.05	50.00	60.00	10.00	50.00	+0.00 / -0.05	60.00	+0.19 / -0.00	11.00	+0.20 / -0.00	14.30
R050062095RC	50.00	+0.00 / -0.05	50.00	62.70	9.50	50.00	+0.00 / -0.05	62.70	+0.19 / -0.00	10.50	+0.20 / -0.00	14.65
R050062100RC	50.00	+0.00 / -0.05	50.00	62.00	10.00	50.00	+0.00 / -0.05	62.00	+0.19 / -0.00	11.00	+0.20 / -0.00	14.65
R050065095RC	50.00	+0.00 / -0.05	50.00	65.00	9.50	50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	10.50	+0.20 / -0.00	O/R
R050065100RC	50.00	+0.00 / -0.05	50.00	65.00	10.00	50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	11.00	+0.20 / -0.00	14.65
R050065110RC	50.00	+0.00 / -0.05	50.00	65.00	11.00	50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	12.00	+0.20 / -0.00	O/R
R050065114RC	50.00	+0.00 / -0.05	50.00	65.00	11.40	50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	12.50	+0.20 / -0.00	14.65
R050065155RC	50.00	+0.00 / -0.05	50.00	65.00	15.50	50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	15.50	+0.20 / -0.00	14.65
R050070120RC	50.00	+0.00 / -0.05	50.00	70.00	12.00	50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	13.00	+0.20 / -0.00	19.00
R050070140RC	50.00	+0.00 / -0.05	50.00	70.00	14.00	50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	15.00	+0.20 / -0.00	15.85
R052062100RC	52.00	+0.00 / -0.05	52.00	62.00	10.00	52.00	+0.00 / -0.05	62.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R055062090RC	55.00	+0.00 / -0.05	55.00	62.50	9.00	55.00	+0.00 / -0.05	62.50	+0.19 / -0.00	10.00	+0.20 / -0.00	14.65
R055063114RC	55.00	+0.00 / -0.05	55.00	63.00	11.40	55.00	+0.00 / -0.05	63.00	+0.19 / -0.00	12.50	+0.20 / -0.00	14.65
R055065085RC	55.00	+0.00 / -0.05	55.00	65.00	8.50	55.00	+0.00 / -0.05	65.00	+0.19 / -0.00	9.50	+0.20 / -0.00	14.65
R055065100RC	55.00	+0.00 / -0.05	55.00	65.00	10.00	55.00	+0.00 / -0.05	65.00	+0.19 / -0.00	11.00	+0.20 / -0.00	14.65
R055065120RC	55.00	+0.00 / -0.05	55.00	65.00	12.00	55.00	+0.00 / -0.05	65.00	+0.19 / -0.00	13.00	+0.20 / -0.00	14.65
R055067100RC	55.00	+0.00 / -0.05	55.00	67.00	10.00	55.00	+0.00 / -0.05	67.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R055070100RC	55.00	+0.00 / -0.05	55.00	70.00	10.00	55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R055070120RC	55.00	+0.00 / -0.05	55.00	70.00	12.00	55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R055075120RC	55.00	+0.00 / -0.05	55.00	75.00	12.00	55.00	+0.00 / -0.05	75.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R056066100RC	56.00	+0.00 / -0.05	56.00	66.00	10.00	56.00	+0.00 / -0.05	66.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R056071100RC	56.00	+0.00 / -0.05	56.00	71.00	10.00	56.00	+0.00 / -0.05	71.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R056071114RC	56.00	+0.00 / -0.05	56.00	71.00	11.40	56.00	+0.00 / -0.05	71.00	+0.19 / -0.00	12.50	+0.20 / -0.00	15.45
R056076120RC	56.00	+0.00 / -0.05	56.00	76.00	12.00	56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R058068114RC	58.00	+0.00 / -0.05	58.00	68.00	11.40	58.00	+0.00 / -0.05	68.00	+0.19 / -0.00	12.50	+0.20 / -0.00	O/R
R060068114RC	60.00	+0.00 / -0.05	60.00	68.00	11.40	60.00	+0.00 / -0.05	68.00	+0.19 / -0.00	12.50	+0.20 / -0.00	15.45
R060070052RC	60.00	+0.00 / -0.05	60.00	70.00	5.20	60.00	+0.00 / -0.05	70.00	+0.19 / -0.00	6.00	+0.20 / -0.00	O/R
R060070075RC	60.00	+0.00 / -0.05	60.00	70.00	7.50	60.00	+0.00 / -0.05	70.00	+0.19 / -0.00	8.50	+0.20 / -0.00	15.85
R060070100RC	60.00	+0.00 / -0.05	60.00	70.00	10.00	60.00	+0.00 / -0.05	70.00	+0.19 / -0.00	11.00	+0.20 / -0.00	15.45
R060070114RC	60.00	+0.00 / -0.05	60.00	70.00	11.40	60.00	+0.00 / -0.05	70.00	+0.19 / -0.00	12.50	+0.20 / -0.00	15.85
R060070120RC	60.00	+0.00 / -0.05	60.00	70.00	12.00	60.00	+0.00 / -0.05	70.00	+0.19 / -0.00	13.00	+0.20 / -0.00	15.85
R060075100RC	60.00	+0.00 / -0.05	60.00	75.00	10.00	60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	11.00	+0.20 / -0.00	16.30
R060075114RC	60.00	+0.00 / -0.05	60.00	75.00	11.40	60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	12.50	+0.20 / -0.00	16.30
R060075120RC	60.00	+0.00 / -0.05	60.00	75.00	12.00	60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	13.00	+0.20 / -0.00	16.30
R060075155RC	60.00	+0.00 / -0.05	60.00	75.00	15.50	60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	16.50	+0.20 / -0.00	17.00
R060080120RC	60.00	+0.00 / -0.05	60.00	80.00	12.00	60.00	+0.00 / -0.05	80.00	+0.19 / -0.00	13.00	+0.20 / -0.00	16.65
R063071080RC	63.00	+0.00 / -0.05	63.00	71.00	8.00	63.00	+0.00 / -0.05	71.00	+0.19 / -0.00	9.00	+0.20 / -0.00	O/R
R063073120RC	63.00	+0.00 / -0.05	63.00	73.00	12.00	63.00	+0.00 / -0.05	73.00	+0.19 / -0.00	13.00	+0.20 / -0.00	15.85
R063075085RC	63.00	+0.00 / -0.05	63.00	75.00	8.50	63.00	+0.00 / -0.05	75.00	+0.19 / -0.00	9.50	+0.20 / -0.00	O/R
R063075100RC	63.00	+0.00 / -0.05	63.00	75.00	10.00	63.00	+0.00 / -0.05	75.00	+0.19 / -0.00	11.00	+0.20 / -0.00	16.30
R063075120RC	63.00	+0.00 / -0.05	63.00	75.00	12.00	63.00	+0.00 / -0.05	75.00	+0.19 / -0.00	13.00	+0.20 / -0.00	21.75
R063078100RC	63.00	+0.00 / -0.05	63.00	78.00	10.00	63.00	+0.00 / -0.05	78.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R063078114RC	63.00	+0.00 / -0.05	63.00	78.00	11.40	63.00	+0.00 / -0.05	78.00	+0.19 / -0.00	12.50	+0.20 / -0.00	16.65
R063083120RC	63.00	+0.00 / -0.05	63.00	83.00	12.00	63.00	+0.00 / -0.05	83.00	+0.22 / -0.00	13.00	+0.20 / -0.00	17.45
R063083135RC	63.00	+0.00 / -0.05	63.00	83.00	13.50	63.00	+0.00 / -0.05	83.00	+0.22 / -0.00	14.50	+0.20 / -0.00	17.45
R063083150RC	63.00	+0.00 / -0.05	63.00	83.00	15.00	63.00	+0.00 / -0.05	83.00	+0.22 / -0.00	16.00	+0.20 / -0.00	O/R
R065073114RC	65.00	+0.00 / -0.06	65.00	75.00	11.40	65.00	+0.00 / -0.06	75.00	+0.19 / -0.00	12.50	+0.20 / -0.00	15.85
R065075100RC	65.00	+0.00 / -0.06	65.00	75.00	10.00	65.00	+0.00 / -0.06	75.00	+0.19 / -0.00	11.00	+0.20 / -0.00	15.85
R065075114RC	65.00	+0.00 / -0.06	65.00	75.00	11.40	65.00	+0.00 / -0.06	75.00	+0.19 / -0.00	12.50	+0.20 / -0.00	16.30
R065075120RC	65.00	+0.00 / -0.06	65.00	75.00	12.00	65.00	+0.00 / -0.06	75.00	+0.19 / -0.00	13.00	+0.20 / -0.00	16.30
R065077095RC	65.00	+0.00 / -0.06	65.00	77.70	9.50	65.00	+0.00 / -0.06	77.70	+0.19 / -0.00	10.50	+0.20 / -0.00	16.65
R065080100RC	65.00	+0.00 / -0.06	65.00	80.00	10.00	65.00	+0.00 / -0.06	80.00	+0.19 / -0.00	11.00	+0.20 / -0.00	O/R
R065080120RC	65.00	+0.00 / -0.06	65.00	80.00	12.00	65.00	+0.00 / -0.06	80.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R065085120RC	65.00	+0.00 / -0.06	65.00	85.00	12.00	65.00	+0.00 / -0.06	85.00	+0.22 / -0.00	13.00	+0.20 / -0.00	O/R
R066080100RC	66.00	+0.00 / -0.06	66.00	80.00	10.00	66.00	+0.00 / -0.06	80.00	+0.19 / -0.00	11.00	+0.20 / -0.00	17.45
R067075114RC	67.00	+0.00 / -0.06	67.00	75.00	11.40	67.00	+0.00 / -0.06	75.00	+0.19 / -0.00	12.50	+0.20 / -0.00	16.30
R068078120RC	68.00	+0.00 / -0.06	68.00	78.00	12.00	68.00	+0.00 / -0.06	78.00	+0.19 / -0.00	13.00	+0.20 / -0.00	O/R
R070077090RC	70.00	+0.00 / -0.06	70.00	77.50	9.00	70.00	+0.00 / -0.06	77.50	+0.19 / -0.00	10.00	+0.20 / -0.00	16.65
R070078114RC	70.00	+0.00 / -0.06	70.00	78.00	11.40	70.00	+0.00 / -0.06	78.00	+0.19 / -0.00	12.50	+0.20 / -0.00	16.65
R070079130RC	70.00	+0.00 / -0.06	70.00	79.00	13.00	70.00	+0.00 / -0.06	79.00	+0.19 / -0.00	14.00	+0.20 / -0.00	17.45
R070080080RC	70.00	+0.00 / -0.06	70.00	80.00	8.00	70.00	+0.00 / -0.06	80.00	+0.19 / -0.00	9.00	+0.20 / -0.00	16.65
R070080114RC	70.00	+0.00 / -0.06	70.00	80.00	11.40	70.00	+0.00 / -0.06	80.00	+0.19 / -0.00	12.50	+0.20 / -0.00	17.00
R070080120RC	70.00	+0.00 / -0.06	70.00	80.00	12.00	70.00	+0.00 / -0.06	80.00	+0.19 / -0.00	13.00	+0.20 / -0.00	17.00
R070085100RC	70.00	+0.00 / -0.06	70.00	85.00	10.00	70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	11.00	+0.20 / -0.00	17.00
R070085114RC	70.00	+0.00 / -0.06	70.00	85.00	11.40	70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	12.50	+0.20 / -0.00	17.45
R070085120RC	70.00	+0.00 / -0.06	70.00	85.00	12.00	70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	13.00	+0.20 / -0.00	22.15
R070090120RC	70.00	+0.00 / -0.06	70.00	90.00	12.00	70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	13.00	+0.20 / -0.00	22.95
R070090150RC	70.00	+0.00 / -0.06	70.00	90.00	15.00	70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	16.00	+0.20 / -0.00	O/R
R073082070RC	73.00	+0.00 / -0.06	73.00	82.40	7.00	70.00	+0.00 / -0.06	82.40	+0.22 / -0.00	7.80	+0.20 / -0.00	17.00
R075083114RC	75.00	+0.00 / -0.06	75.00	83.00	11.40	70.00	+0.00 / -0.06	83.00	+0.22 / -0.00	12.50	+0.20 / -0.00	17.00
R075085085RC	75.00	+0.00 / -0.06	75.00	85.00	8.50	75.00	+0.00 / -0.06	85.00	+0.22 / -0.00	9.50	+0.20 / -0.00	17.00
R075085087RC	75.00	+0.00 / -0.06	75.00	85.00	8.70	75.00	+0.00 / -0.06	85.00	+0.22 / -0.00	9.50	+0.20 / -0.00	17.00

RC SERIES - AU 93A

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R075085100RC	75.00	+0.00 / -0.06	75.00	85.00	10.00	75.00	+0.00 / -0.06	85.00	+0.22 / -0.00	11.00	+0.20 / -0.00	17.00
R075085114RC	75.00	+0.00 / -0.06	75.00	85.00	11.40	75.00	+0.00 / -0.06	85.00	+0.22 / -0.00	12.50	+0.20 / -0.00	17.00
R075085120RC	75.00	+0.00 / -0.06	75.00	85.00	12.00	75.00	+0.00 / -0.06	85.00	+0.22 / -0.00	13.00	+0.20 / -0.00	17.45
R075090100RC	75.00	+0.00 / -0.06	75.00	90.00	10.00	75.00	+0.00 / -0.06	90.00	+0.22 / -0.00	11.00	+0.20 / -0.00	17.45
R075090110RC	75.00	+0.00 / -0.06	75.00	90.00	11.00	75.00	+0.00 / -0.06	90.00	+0.22 / -0.00	12.00	+0.20 / -0.00	17.80
R075090114RC	75.00	+0.00 / -0.06	75.00	90.00	11.40	75.00	+0.00 / -0.06	90.00	+0.22 / -0.00	12.50	+0.20 / -0.00	17.80
R075090120RC	75.00	+0.00 / -0.06	75.00	90.00	12.00	75.00	+0.00 / -0.06	90.00	+0.22 / -0.00	13.00	+0.20 / -0.00	22.55
R077086140RC	77.00	+0.00 / -0.09	77.00	86.00	14.00	77.00	+0.00 / -0.09	86.00	+0.22 / -0.00	15.00	+0.20 / -0.00	17.45
R077087120RC	77.00	+0.00 / -0.09	77.00	87.00	12.00	77.00	+0.00 / -0.09	87.00	+0.22 / -0.00	13.00	+0.20 / -0.00	O/R
R078086085RC	78.00	+0.00 / -0.09	78.00	86.00	8.50	78.00	+0.00 / -0.09	86.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R078086114RC	78.00	+0.00 / -0.09	78.00	86.00	11.40	78.00	+0.00 / -0.09	86.00	+0.22 / -0.00	12.50	+0.20 / -0.00	17.45
R078086135RC	78.00	+0.00 / -0.09	78.00	86.00	13.50	78.00	+0.00 / -0.09	86.00	+0.22 / -0.00	14.50	+0.20 / -0.00	17.45
R078088120RC	78.00	+0.00 / -0.09	78.00	88.00	12.00	78.00	+0.00 / -0.09	88.00	+0.22 / -0.00	13.00	+0.20 / -0.00	18.25
R078090120RC	78.00	+0.00 / -0.09	78.00	90.00	12.00	78.00	+0.00 / -0.09	90.00	+0.22 / -0.00	13.00	+0.20 / -0.00	18.25
R080088114RC	80.00	+0.00 / -0.09	80.00	88.00	11.40	80.00	+0.00 / -0.09	88.00	+0.22 / -0.00	12.50	+0.20 / -0.00	18.25
R080090120RC	80.00	+0.00 / -0.09	80.00	90.00	12.00	80.00	+0.00 / -0.09	90.00	+0.22 / -0.00	13.00	+0.20 / -0.00	18.25
R080095100RC	80.00	+0.00 / -0.09	80.00	95.00	10.00	80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	11.00	+0.20 / -0.00	O/R
R080095114RC	80.00	+0.00 / -0.09	80.00	95.00	11.40	80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	12.50	+0.20 / -0.00	22.55
R080095120RC	80.00	+0.00 / -0.09	80.00	95.00	12.00	80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	13.00	+0.20 / -0.00	18.25
R080100120RC	80.00	+0.00 / -0.09	80.00	100.00	12.00	80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	13.00	+0.20 / -0.00	21.00
R080100125RC	80.00	+0.00 / -0.09	80.00	100.00	12.50	80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	13.50	+0.20 / -0.00	O/R
R080100150RC	80.00	+0.00 / -0.09	80.00	100.00	15.00	80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	16.00	+0.20 / -0.00	O/R
R081089105RC	81.00	+0.00 / -0.09	81.00	89.00	10.50	81.00	+0.00 / -0.09	89.00	+0.22 / -0.00	11.50	+0.20 / -0.00	O/R
R082097120RC	82.50	+0.00 / -0.09	82.50	97.50	12.00	82.50	+0.00 / -0.09	97.50	+0.22 / -0.00	13.00	+0.20 / -0.00	18.25
R085092090RC	85.00	+0.00 / -0.09	85.00	92.50	9.00	85.00	+0.00 / -0.09	92.50	+0.22 / -0.00	10.00	+0.20 / -0.00	18.25
R085093114RC	85.00	+0.00 / -0.09	85.00	93.00	11.40	85.00	+0.00 / -0.09	93.00	+0.22 / -0.00	12.50	+0.20 / -0.00	18.25
R085095120RC	85.00	+0.00 / -0.09	85.00	95.00	12.00	85.00	+0.00 / -0.09	95.00	+0.22 / -0.00	13.00	+0.20 / -0.00	19.00
R085100114RC	85.00	+0.00 / -0.09	85.00	100.00	11.40	85.00	+0.00 / -0.09	100.00	+0.22 / -0.00	12.50	+0.20 / -0.00	18.65
R085100120RC	85.00	+0.00 / -0.09	85.00	100.00	12.00	85.00	+0.00 / -0.09	100.00	+0.22 / -0.00	13.00	+0.20 / -0.00	26.10
R085105120RC	85.00	+0.00 / -0.09	85.00	105.00	12.00	85.00	+0.00 / -0.09	105.00	+0.22 / -0.00	13.00	+0.20 / -0.00	26.10
R090098114RC	90.00	+0.00 / -0.09	90.00	98.00	11.40	90.00	+0.00 / -0.09	98.00	+0.22 / -0.00	12.50	+0.20 / -0.00	19.00
R090100114RC	90.00	+0.00 / -0.09	90.00	100.00	11.40	90.00	+0.00 / -0.09	100.00	+0.22 / -0.00	12.50	+0.20 / -0.00	19.00
R090100120RC	90.00	+0.00 / -0.09	90.00	100.00	12.00	90.00	+0.00 / -0.09	100.00	+0.22 / -0.00	13.00	+0.20 / -0.00	19.00
R090105114RC	90.00	+0.00 / -0.09	90.00	105.00	11.40	90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	12.50	+0.20 / -0.00	20.15
R090105120RC	90.00	+0.00 / -0.09	90.00	105.00	12.00	90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	13.00	+0.20 / -0.00	24.10
R090110120RC	90.00	+0.00 / -0.09	90.00	110.00	12.00	90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	13.00	+0.20 / -0.00	21.75
R092107114RC	92.00	+0.00 / -0.09	92.00	107.00	11.40	92.00	+0.00 / -0.09	107.00	+0.22 / -0.00	12.50	+0.20 / -0.00	O/R
R093101114RC	93.00	+0.00 / -0.09	93.00	101.00	11.40	93.00	+0.00 / -0.09	101.00	+0.22 / -0.00	12.50	+0.20 / -0.00	O/R
R095103114RC	95.00	+0.00 / -0.09	95.00	103.00	11.40	95.00	+0.00 / -0.09	103.00	+0.22 / -0.00	12.50	+0.20 / -0.00	19.00
R095105085RC	95.00	+0.00 / -0.09	95.00	105.00	8.50	95.00	+0.00 / -0.09	105.00	+0.22 / -0.00	9.50	+0.20 / -0.00	19.00
R095105087RC	95.00	+0.00 / -0.09	95.00	105.00	8.70	95.00	+0.00 / -0.09	105.00	+0.22 / -0.00	9.50	+0.20 / -0.00	O/R
R095105120RC	95.00	+0.00 / -0.09	95.00	105.00	12.00	95.00	+0.00 / -0.09	105.00	+0.22 / -0.00	13.00	+0.20 / -0.00	19.00
R095115120RC	95.00	+0.00 / -0.09	95.00	115.00	12.00	95.00	+0.00 / -0.09	115.00	+0.22 / -0.00	13.00	+0.20 / -0.00	O/R
R097105114RC	97.00	+0.00 / -0.09	97.00	105.00	11.40	97.00	+0.00 / -0.09	105.00	+0.22 / -0.00	12.50	+0.20 / -0.00	19.00
R097105130RC	97.00	+0.00 / -0.09	97.00	105.00	13.00	97.00	+0.00 / -0.09	105.00	+0.22 / -0.00	14.00	+0.20 / -0.00	19.00
R097105135RC	97.00	+0.00 / -0.09	97.00	105.00	13.50	97.00	+0.00 / -0.09	105.00	+0.22 / -0.00	14.50	+0.20 / -0.00	19.00
R097106140RC	97.00	+0.00 / -0.09	97.00	106.00	14.00	97.00	+0.00 / -0.09	106.00	+0.22 / -0.00	15.00	+0.20 / -0.00	19.00
R099109120RC	99.00	+0.00 / -0.09	99.00	109.00	12.00	99.00	+0.00 / -0.09	109.00	+0.22 / -0.00	13.00	+0.20 / -0.00	21.00

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R100108114RC	100.00	+0.00 / -0.09	100.00	108.00	11.40	100.00	+0.00 / -0.09	108.00	+0.22 / -0.00	12.50	+0.20 / -0.00	21.00
R100110080RC	100.00	+0.00 / -0.09	100.00	110.00	8.00	100.00	+0.00 / -0.09	110.00	+0.22 / -0.00	9.00	+0.20 / -0.00	O/R
R100110100RC	100.00	+0.00 / -0.09	100.00	110.00	10.00	100.00	+0.00 / -0.09	110.00	+0.22 / -0.00	11.00	+0.20 / -0.00	21.00
R100110114RC	100.00	+0.00 / -0.09	100.00	110.00	11.40	100.00	+0.00 / -0.09	110.00	+0.22 / -0.00	12.50	+0.20 / -0.00	21.00
R100115120RC	100.00	+0.00 / -0.09	100.00	115.00	12.00	100.00	+0.00 / -0.09	115.00	+0.22 / -0.00	13.00	+0.20 / -0.00	21.00
R100120120RC	100.00	+0.00 / -0.09	100.00	120.00	12.00	100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	13.00	+0.20 / -0.00	22.55
R100120130RC	100.00	+0.00 / -0.09	100.00	120.00	13.00	100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	14.00	+0.20 / -0.00	O/R
R100120145RC	100.00	+0.00 / -0.09	100.00	120.00	14.50	100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	15.50	+0.20 / -0.00	O/R
R100120150RC	100.00	+0.00 / -0.09	100.00	120.00	15.00	100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	16.00	+0.20 / -0.00	O/R
R100125150RC	100.00	+0.00 / -0.09	100.00	125.00	15.00	100.00	+0.00 / -0.09	125.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R105113114RC	105.00	+0.00 / -0.13	105.00	113.00	11.40	105.00	+0.00 / -0.13	113.00	+0.22 / -0.00	12.50	+0.20 / -0.00	21.00
R105113135RC	105.00	+0.00 / -0.13	105.00	113.00	13.50	105.00	+0.00 / -0.13	113.00	+0.22 / -0.00	14.50	+0.20 / -0.00	21.00
R105115114RC	105.00	+0.00 / -0.13	105.00	115.00	11.40	105.00	+0.00 / -0.13	115.00	+0.22 / -0.00	12.50	+0.20 / -0.00	21.00
R105120092RC	105.00	+0.00 / -0.13	105.00	120.00	9.20	105.00	+0.00 / -0.13	120.00	+0.22 / -0.00	10.00	+0.20 / -0.00	O/R
R105120099RC	105.00	+0.00 / -0.13	105.00	120.00	9.90	105.00	+0.00 / -0.13	120.00	+0.22 / -0.00	10.90	+0.20 / -0.00	O/R
R110118114RC	110.00	+0.00 / -0.13	110.00	118.00	11.40	110.00	+0.00 / -0.13	118.00	+0.22 / -0.00	12.50	+0.20 / -0.00	24.10
R110120120RC	110.00	+0.00 / -0.13	110.00	120.00	12.00	110.00	+0.00 / -0.13	120.00	+0.22 / -0.00	13.00	+0.20 / -0.00	O/R
R110125150RC	110.00	+0.00 / -0.13	110.00	125.00	15.00	110.00	+0.00 / -0.13	125.00	+0.25 / -0.00	16.00	+0.20 / -0.00	24.10
R110130120RC	110.00	+0.00 / -0.13	110.00	130.00	12.00	110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	13.00	+0.20 / -0.00	32.85
R110130145RC	110.00	+0.00 / -0.13	110.00	130.00	14.50	110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	15.50	+0.20 / -0.00	32.85
R110130150RC	110.00	+0.00 / -0.13	110.00	130.00	15.00	110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R110135150RC	110.00	+0.00 / -0.13	110.00	135.00	15.00	110.00	+0.00 / -0.13	135.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R112122100RC	112.00	+0.00 / -0.13	112.00	122.00	10.00	112.00	+0.00 / -0.13	122.00	+0.25 / -0.00	11.00	+0.20 / -0.00	24.90
R113123085RC	113.00	+0.00 / -0.13	113.00	123.00	8.50	113.00	+0.00 / -0.13	123.00	+0.25 / -0.00	9.50	+0.20 / -0.00	24.90
R113123087RC	113.00	+0.00 / -0.13	113.00	123.00	8.70	113.00	+0.00 / -0.13	123.00	+0.25 / -0.00	9.50	+0.20 / -0.00	O/R
R115123114RC	115.00	+0.00 / -0.13	115.00	123.00	11.40	115.00	+0.00 / -0.13	123.00	+0.25 / -0.00	12.50	+0.20 / -0.00	24.55
R115125120RC	115.00	+0.00 / -0.13	115.00	125.00	12.00	115.00	+0.00 / -0.13	125.00	+0.25 / -0.00	13.00	+0.20 / -0.00	24.90
R115125140RC	115.00	+0.00 / -0.13	115.00	125.00	14.00	115.00	+0.00 / -0.13	125.00	+0.25 / -0.00	15.00	+0.20 / -0.00	24.90
R115130100RC	115.00	+0.00 / -0.13	115.00	130.00	10.00	115.00	+0.00 / -0.13	130.00	+0.25 / -0.00	11.00	+0.20 / -0.00	25.40
R115140150RC	115.00	+0.00 / -0.13	115.00	140.00	15.00	115.00	+0.00 / -0.13	140.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R117126140RC	117.00	+0.00 / -0.13	117.00	126.00	14.00	117.00	+0.00 / -0.13	126.00	+0.25 / -0.00	15.00	+0.20 / -0.00	25.40
R118126114RC	118.00	+0.00 / -0.13	118.00	126.00	11.40	118.00	+0.00 / -0.13	126.00	+0.25 / -0.00	12.50	+0.20 / -0.00	25.40
R118126130RC	118.00	+0.00 / -0.13	118.00	126.00	13.00	118.00	+0.00 / -0.13	126.00	+0.25 / -0.00	14.00	+0.20 / -0.00	31.65
R118126135RC	118.00	+0.00 / -0.13	118.00	126.00	13.50	118.00	+0.00 / -0.13	126.00	+0.25 / -0.00	14.50	+0.20 / -0.00	25.40
R120128114RC	120.00	+0.00 / -0.13	120.00	128.00	11.40	120.00	+0.00 / -0.13	128.00	+0.25 / -0.00	12.50	+0.20 / -0.00	26.10
R120130114RC	120.00	+0.00 / -0.13	120.00	130.00	11.40	120.00	+0.00 / -0.13	130.00	+0.25 / -0.00	12.50	+0.20 / -0.00	25.40
R120130120RC	120.00	+0.00 / -0.13	120.00	130.00	12.00	120.00	+0.00 / -0.13	130.00	+0.25 / -0.00	13.00	+0.20 / -0.00	25.40
R120130140RC	120.00	+0.00 / -0.13	120.00	130.00	14.00	120.00	+0.00 / -0.13	130.00	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R120135150RC	120.00	+0.00 / -0.13	120.00	135.00	15.00	120.00	+0.00 / -0.13	135.00	+0.25 / -0.00	16.00	+0.20 / -0.00	25.40
R120140120RC	120.00	+0.00 / -0.13	120.00	140.00	12.00	120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	13.00	+0.20 / -0.00	31.65
R120140150RC	120.00	+0.00 / -0.13	120.00	140.00	15.00	120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R121135090RC	121.00	+0.00 / -0.13	121.00	135.00	9.00	120.00	+0.00 / -0.13	135.00	+0.25 / -0.00	10.00	+0.20 / -0.00	26.90
R125133114RC	125.00	+0.00 / -0.13	125.00	133.00	11.40	125.00	+0.00 / -0.13	133.00	+0.25 / -0.00	12.50	+0.20 / -0.00	26.10
R125135100RC	125.00	+0.00 / -0.13	125.00	135.00	10.00	125.00	+0.00 / -0.13	135.00	+0.25 / -0.00	11.00	+0.20 / -0.00	26.10
R125145120RC	125.00	+0.00 / -0.13	125.00	145.00	12.00	125.00	+0.00 / -0.13	145.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R125145150RC	125.00	+0.00 / -0.13	125.00	145.00	15.00	125.00	+0.00 / -0.13	145.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R125150150RC	125.00	+0.00 / -0.13	125.00	150.00	15.00	125.00	+0.00 / -0.13	150.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R125155180RC	125.00	+0.00 / -0.13	125.00	155.00	18.00	125.00	+0.00 / -0.13	155.00	+0.25 / -0.00	19.00	+0.20 / -0.00	O/R

RC SERIES - AU 93A

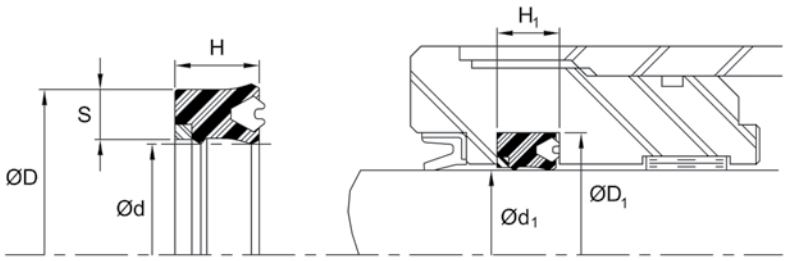
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R127140114RC	127.00	+0.00 / -0.13	127.00	140.00	11.40	127.00	+0.00 / -0.13	140.00	+0.25 / -0.00	12.50	+0.20 / -0.00	28.10
R128136114RC	128.00	+0.00 / -0.13	128.00	136.00	11.40	128.00	+0.00 / -0.13	136.00	+0.25 / -0.00	12.50	+0.20 / -0.00	28.10
R130138114RC	130.00	+0.00 / -0.13	130.00	138.00	11.40	130.00	+0.00 / -0.13	138.00	+0.25 / -0.00	12.50	+0.20 / -0.00	28.10
R130145120RC	130.00	+0.00 / -0.13	130.00	145.00	12.00	130.00	+0.00 / -0.13	145.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R130145150RC	130.00	+0.00 / -0.13	130.00	145.00	15.00	130.00	+0.00 / -0.13	145.00	+0.25 / -0.00	16.00	+0.20 / -0.00	29.65
R130150120RC	130.00	+0.00 / -0.13	130.00	150.00	12.00	130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R130150125RC	130.00	+0.00 / -0.13	130.00	150.00	12.50	130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	12.50	+0.20 / -0.00	O/R
R130150150RC	130.00	+0.00 / -0.13	130.00	150.00	15.00	130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	16.00	+0.20 / -0.00	33.65
R131150130RC	131.00	+0.00 / -0.13	131.00	150.00	13.00	130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	14.00	+0.20 / -0.00	O/R
R132142085RC	132.00	+0.00 / -0.13	132.00	142.00	8.50	132.00	+0.00 / -0.13	142.00	+0.25 / -0.00	9.50	+0.20 / -0.00	28.50
R132142087RC	132.00	+0.00 / -0.13	132.00	142.00	8.70	132.00	+0.00 / -0.13	142.00	+0.25 / -0.00	9.50	+0.20 / -0.00	O/R
R135143114RC	135.00	+0.00 / -0.13	135.00	143.00	11.40	135.00	+0.00 / -0.13	143.00	+0.25 / -0.00	12.50	+0.20 / -0.00	28.50
R135145120RC	135.00	+0.00 / -0.13	135.00	145.00	12.00	135.00	+0.00 / -0.13	145.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R135150114RC	135.00	+0.00 / -0.13	135.00	150.00	11.40	135.00	+0.00 / -0.13	150.00	+0.25 / -0.00	12.50	+0.20 / -0.00	32.85
R135150150RC	135.00	+0.00 / -0.13	135.00	150.00	15.00	135.00	+0.00 / -0.13	150.00	+0.25 / -0.00	16.00	+0.20 / -0.00	32.85
R137146140RC	137.00	+0.00 / -0.13	137.00	146.00	14.00	137.00	+0.00 / -0.13	146.00	+0.25 / -0.00	15.00	+0.20 / -0.00	30.50
R140148114RC	140.00	+0.00 / -0.13	140.00	148.00	11.40	140.00	+0.00 / -0.13	148.00	+0.25 / -0.00	12.50	+0.20 / -0.00	32.00
R140150114RC	140.00	+0.00 / -0.13	140.00	150.00	11.40	140.00	+0.00 / -0.13	150.00	+0.25 / -0.00	12.50	+0.20 / -0.00	32.85
R140160120RC	140.00	+0.00 / -0.13	140.00	160.00	12.00	140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R140160150RC	140.00	+0.00 / -0.13	140.00	160.00	15.00	140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	16.00	+0.20 / -0.00	36.95
R140165150RC	140.00	+0.00 / -0.13	140.00	165.00	15.00	140.00	+0.00 / -0.13	165.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R140170180RC	140.00	+0.00 / -0.13	140.00	170.00	18.00	140.00	+0.00 / -0.13	170.00	+0.25 / -0.00	19.00	+0.20 / -0.00	O/R
R141151120RC	141.00	+0.00 / -0.13	141.00	151.00	12.00	141.00	+0.00 / -0.13	151.00	+0.25 / -0.00	13.00	+0.20 / -0.00	32.85
R143151114RC	143.00	+0.00 / -0.13	143.00	151.00	11.40	143.00	+0.00 / -0.13	151.00	+0.25 / -0.00	12.50	+0.20 / -0.00	32.85
R143151130RC	143.00	+0.00 / -0.13	143.00	151.00	13.00	143.00	+0.00 / -0.13	151.00	+0.25 / -0.00	14.00	+0.20 / -0.00	40.35
R143151135RC	143.00	+0.00 / -0.13	143.00	151.00	13.50	143.00	+0.00 / -0.13	151.00	+0.25 / -0.00	14.50	+0.20 / -0.00	32.85
R145155120RC	145.00	+0.00 / -0.13	145.00	155.00	12.00	145.00	+0.00 / -0.13	155.00	+0.25 / -0.00	13.00	+0.20 / -0.00	33.65
R145160120RC	145.00	+0.00 / -0.13	145.00	160.00	12.00	145.00	+0.00 / -0.13	160.00	+0.25 / -0.00	13.00	+0.20 / -0.00	34.80
R148160120RC	148.00	+0.00 / -0.13	148.00	160.00	12.00	148.00	+0.00 / -0.13	160.00	+0.25 / -0.00	13.00	+0.20 / -0.00	34.80
R150170145RC	150.00	+0.00 / -0.13	150.00	170.00	14.50	150.00	+0.00 / -0.13	170.00	+0.25 / -0.00	15.50	+0.20 / -0.00	O/R
R150170150RC	150.00	+0.00 / -0.13	150.00	170.00	15.00	150.00	+0.00 / -0.13	170.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R150180180RC	150.00	+0.00 / -0.13	150.00	180.00	18.00	150.00	+0.00 / -0.13	180.00	+0.25 / -0.00	19.00	+0.20 / -0.00	O/R
R152160114RC	152.00	+0.00 / -0.13	152.00	160.00	11.40	152.00	+0.00 / -0.13	160.00	+0.25 / -0.00	12.50	+0.20 / -0.00	37.55
R152160140RC	152.50	+0.00 / -0.13	152.50	160.50	14.00	152.50	+0.00 / -0.13	160.50	+0.25 / -0.00	15.00	+0.20 / -0.00	O/R
R152162100RC	152.00	+0.00 / -0.13	152.00	162.00	10.00	152.00	+0.00 / -0.13	162.00	+0.25 / -0.00	11.00	+0.20 / -0.00	37.55
R152171114RC	152.00	+0.00 / -0.13	152.00	171.00	11.40	152.00	+0.00 / -0.13	171.00	+0.25 / -0.00	12.50	+0.20 / -0.00	37.55
R155163114RC	155.00	+0.00 / -0.13	155.00	163.00	11.40	155.00	+0.00 / -0.13	163.00	+0.25 / -0.00	12.50	+0.20 / -0.00	37.55
R155165120RC	155.00	+0.00 / -0.13	155.00	165.00	12.00	155.00	+0.00 / -0.13	165.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R160168114RC	160.00	+0.00 / -0.13	160.00	168.00	11.40	160.00	+0.00 / -0.13	168.00	+0.25 / -0.00	12.50	+0.20 / -0.00	39.95
R160170114RC	160.00	+0.00 / -0.13	160.00	170.00	11.40	160.00	+0.00 / -0.13	170.00	+0.25 / -0.00	12.50	+0.20 / -0.00	40.75
R160170120RC	160.00	+0.00 / -0.13	160.00	170.00	12.00	160.00	+0.00 / -0.13	170.00	+0.25 / -0.00	13.00	+0.20 / -0.00	O/R
R160180150RC	160.00	+0.00 / -0.13	160.00	180.00	15.00	160.00	+0.00 / -0.13	180.00	+0.25 / -0.00	16.00	+0.20 / -0.00	O/R
R160185150RC	160.00	+0.00 / -0.13	160.00	185.00	15.00	160.00	+0.00 / -0.13	185.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R160185182RC	160.00	+0.00 / -0.13	160.00	185.00	18.20	160.00	+0.00 / -0.13	185.00	+0.29 / -0.00	20.00	+0.20 / -0.00	O/R
R160190180RC	160.00	+0.00 / -0.13	160.00	190.00	18.00	160.00	+0.00 / -0.13	190.00	+0.29 / -0.00	19.00	+0.20 / -0.00	O/R
R162172120RC	162.00	+0.00 / -0.13	162.00	172.00	12.00	162.00	+0.00 / -0.13	172.00	+0.25 / -0.00	13.00	+0.20 / -0.00	42.75
R165184130RC	165.00	+0.00 / -0.13	165.00	184.00	13.00	165.00	+0.00 / -0.13	184.00	+0.29 / -0.00	14.00	+0.20 / -0.00	44.25
R165190170RC	165.00	+0.00 / -0.13	165.00	190.00	17.00	165.00	+0.00 / -0.13	190.00	+0.29 / -0.00	18.00	+0.20 / -0.00	O/R

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R167176114RC	167.00	+0.00 / -0.13	167.00	176.00	11.40	167.00	+0.00 / -0.13	176.00	+0.25 / -0.00	12.50	+0.20 / -0.00	O/R
R170178114RC	170.00	+0.00 / -0.13	170.00	178.00	11.40	170.00	+0.00 / -0.13	178.00	+0.25 / -0.00	12.50	+0.20 / -0.00	43.45
R170180120RC	170.00	+0.00 / -0.13	170.00	180.00	12.00	170.00	+0.00 / -0.13	180.00	+0.25 / -0.00	13.00	+0.20 / -0.00	43.45
R170190150RC	170.00	+0.00 / -0.13	170.00	190.00	15.00	170.00	+0.00 / -0.13	190.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R170200180RC	170.00	+0.00 / -0.13	170.00	200.00	18.00	170.00	+0.00 / -0.13	200.00	+0.29 / -0.00	19.00	+0.20 / -0.00	O/R
R171179114RC	171.00	+0.00 / -0.13	171.00	179.00	11.40	171.00	+0.00 / -0.13	179.00	+0.25 / -0.00	12.50	+0.20 / -0.00	43.45
R171179130RC	171.00	+0.00 / -0.13	171.00	179.00	13.00	171.00	+0.00 / -0.13	179.00	+0.25 / -0.00	14.00	+0.20 / -0.00	54.55
R175185120RC	175.00	+0.00 / -0.13	175.00	185.00	12.00	175.00	+0.00 / -0.13	185.00	+0.29 / -0.00	13.00	+0.20 / -0.00	45.85
R177205190RC	177.00	+0.00 / -0.13	177.00	205.00	19.00	177.00	+0.00 / -0.13	205.00	+0.29 / -0.00	20.00	+0.20 / -0.00	73.90
R180188135RC	180.00	+0.00 / -0.13	180.00	188.00	13.50	180.00	+0.00 / -0.13	188.00	+0.29 / -0.00	14.50	+0.20 / -0.00	50.20
R180190100RC	180.00	+0.00 / -0.13	180.00	190.00	10.00	180.00	+0.00 / -0.13	190.00	+0.29 / -0.00	11.00	+0.20 / -0.00	52.20
R180195114RC	180.00	+0.00 / -0.13	180.00	195.00	11.40	180.00	+0.00 / -0.13	195.00	+0.29 / -0.00	12.50	+0.20 / -0.00	O/R
R180195125RC	180.00	+0.00 / -0.13	180.00	195.00	12.50	180.00	+0.00 / -0.13	195.00	+0.29 / -0.00	13.50	+0.20 / -0.00	60.80
R180200150RC	180.00	+0.00 / -0.13	180.00	200.00	15.00	180.00	+0.00 / -0.13	200.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R180205150RC	180.00	+0.00 / -0.13	180.00	205.00	15.00	180.00	+0.00 / -0.13	205.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R180205190RC	180.00	+0.00 / -0.13	180.00	205.00	19.00	180.00	+0.00 / -0.13	205.00	+0.29 / -0.00	20.00	+0.20 / -0.00	O/R
R180210180RC	180.00	+0.00 / -0.13	180.00	210.00	18.00	180.00	+0.00 / -0.13	210.00	+0.29 / -0.00	19.00	+0.20 / -0.00	O/R
R185193114RC	185.00	+0.00 / -0.13	185.00	193.00	11.40	185.00	+0.00 / -0.13	193.00	+0.29 / -0.00	12.50	+0.20 / -0.00	68.35
R185195120RC	185.00	+0.00 / -0.13	185.00	195.00	12.00	185.00	+0.00 / -0.13	195.00	+0.29 / -0.00	13.00	+0.20 / -0.00	O/R
R200208114RC	200.00	+0.00 / -0.13	200.00	208.00	11.40	200.00	+0.00 / -0.13	208.00	+0.29 / -0.00	12.50	+0.20 / -0.00	69.55
R200225182RC	200.00	+0.00 / -0.13	200.00	225.00	18.20	200.00	+0.00 / -0.13	225.00	+0.29 / -0.00	20.00	+0.20 / -0.00	O/R
R200225190RC	200.00	+0.00 / -0.13	200.00	225.00	19.00	200.00	+0.00 / -0.13	225.00	+0.29 / -0.00	20.00	+0.20 / -0.00	O/R
R200230180RC	200.00	+0.00 / -0.13	200.00	230.00	18.00	200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	19.00	+0.20 / -0.00	O/R
R205220125RC	205.00	+0.00 / -0.13	205.00	220.00	12.50	205.00	+0.00 / -0.13	220.00	+0.29 / -0.00	13.50	+0.20 / -0.00	82.55
R209228130RC	209.00	+0.00 / -0.13	209.00	228.00	13.00	209.00	+0.00 / -0.13	228.00	+0.29 / -0.00	14.00	+0.20 / -0.00	82.55
R210230150RC	210.00	+0.00 / -0.13	210.00	230.00	15.00	210.00	+0.00 / -0.13	230.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R210240180RC	210.00	+0.00 / -0.13	210.00	240.00	18.00	210.00	+0.00 / -0.13	240.00	+0.29 / -0.00	19.00	+0.20 / -0.00	O/R
R212220135RC	212.00	+0.00 / -0.13	212.00	220.00	13.50	212.00	+0.00 / -0.13	220.00	+0.29 / -0.00	14.50	+0.20 / -0.00	78.20
R220220150RC	200.00	+0.00 / -0.13	200.00	220.00	15.00	200.00	+0.00 / -0.13	220.00	+0.29 / -0.00	16.00	+0.20 / -0.00	O/R
R220250180RC	220.00	+0.00 / -0.13	220.00	250.00	18.00	220.00	+0.00 / -0.13	250.00	+0.29 / -0.00	19.00	+0.20 / -0.00	O/R
R220250227RC	220.00	+0.00 / -0.13	220.00	250.00	22.70	220.00	+0.00 / -0.13	250.00	+0.29 / -0.00	25.00	+0.20 / -0.00	O/R
R230260227RC	230.00	+0.00 / -0.13	230.00	260.00	22.70	230.00	+0.00 / -0.13	260.00	+0.32 / -0.00	25.00	+0.20 / -0.00	O/R
R232246120RC	232.00	+0.00 / -0.13	232.00	246.00	12.00	232.00	+0.00 / -0.13	246.00	+0.29 / -0.00	13.00	+0.20 / -0.00	108.60
R240260150RC	240.00	+0.00 / -0.13	240.00	260.00	15.00	240.00	+0.00 / -0.13	260.00	+0.32 / -0.00	16.00	+0.20 / -0.00	O/R
R250270150RC	250.00	+0.00 / -0.13	250.00	270.00	15.00	250.00	+0.00 / -0.13	270.00	+0.32 / -0.00	16.00	+0.20 / -0.00	O/R
R270300180RC	270.00	+0.00 / -0.13	270.00	300.00	18.00	270.00	+0.00 / -0.13	300.00	+0.32 / -0.00	19.00	+0.20 / -0.00	O/R
R280300150RC	280.00	+0.00 / -0.13	280.00	300.00	15.00	280.00	+0.00 / -0.13	300.00	+0.32 / -0.00	16.00	+0.20 / -0.00	O/R
R280310180RC	280.00	+0.00 / -0.13	280.00	310.00	18.00	280.00	+0.00 / -0.13	310.00	+0.32 / -0.00	19.00	+0.20 / -0.00	O/R
R320350200RC	320.00	+0.00 / -0.13	320.00	350.00	20.00	320.00	+0.00 / -0.13	350.00	+0.36 / -0.00	21.00	+0.20 / -0.00	O/R
R360390200RC	360.00	+0.00 / -0.13	360.00	390.00	20.00	360.00	+0.00 / -0.13	390.00	+0.36 / -0.00	21.00	+0.20 / -0.00	O/R

RE - Rod Seals

Polyurethane/Polyacetal/Nitrile





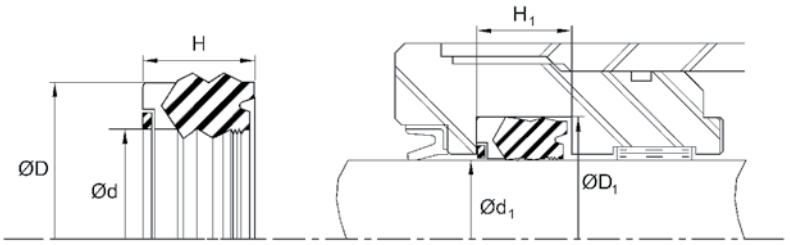
Temperature: -50/230F [-46/110C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R030040073RE	30.00	+0.00 / -0.04	30.00	40.00	7.30	30.00	+0.00 / -0.04	40.00	+0.10 / -0.00	8.00	+0.30 / -0.00	O/R
R035050095RE	35.00	+0.00 / -0.04	35.00	50.00	9.50	35.00	+0.00 / -0.04	50.00	+0.10 / -0.00	10.50	+0.30 / -0.00	25.55
R036046073RE	36.00	+0.00 / -0.04	36.00	46.00	7.30	36.00	+0.00 / -0.04	46.00	+0.10 / -0.00	8.00	+0.30 / -0.00	26.05
R040050073RE	40.00	+0.00 / -0.04	40.00	50.00	7.30	40.00	+0.00 / -0.04	50.00	+0.10 / -0.00	8.00	+0.30 / -0.00	27.75
R045055073RE	45.00	+0.00 / -0.04	45.00	55.00	7.30	45.00	+0.00 / -0.04	55.00	+0.12 / -0.00	8.00	+0.30 / -0.00	30.05
R045060114RE	45.00	+0.00 / -0.04	45.00	60.00	11.40	45.00	+0.00 / -0.04	60.00	+0.12 / -0.00	12.50	+0.30 / -0.00	30.85
R050060073RE	50.00	+0.00 / -0.04	50.00	60.00	7.30	50.00	+0.00 / -0.04	60.00	+0.12 / -0.00	8.00	+0.30 / -0.00	32.30
R050065114RE	50.00	+0.00 / -0.04	50.00	65.00	11.40	50.00	+0.00 / -0.04	65.00	+0.12 / -0.00	12.50	+0.30 / -0.00	33.20
R055070114RE	55.00	+0.00 / -0.04	55.00	70.00	11.40	55.00	+0.00 / -0.04	70.00	+0.12 / -0.00	12.50	+0.30 / -0.00	34.35
R056071114RE	56.00	+0.00 / -0.04	56.00	71.00	11.40	56.00	+0.00 / -0.04	71.00	+0.12 / -0.00	12.50	+0.30 / -0.00	34.85
R060073130RE	60.00	+0.00 / -0.04	60.00	73.00	13.00	60.00	+0.00 / -0.04	73.00	+0.12 / -0.00	14.00	+0.30 / -0.00	35.60
R060075114RE	60.00	+0.00 / -0.04	60.00	75.00	11.40	60.00	+0.00 / -0.04	75.00	+0.12 / -0.00	12.50	+0.30 / -0.00	36.65
R063078114RE	63.00	+0.00 / -0.04	63.00	78.00	11.40	63.00	+0.00 / -0.04	78.00	+0.12 / -0.00	12.50	+0.30 / -0.00	45.75
R063083118RE	63.00	+0.00 / -0.04	63.00	83.00	11.80	63.00	+0.00 / -0.04	83.00	+0.14 / -0.00	13.00	+0.30 / -0.00	47.85
R070085114RE	70.00	+0.00 / -0.04	70.00	85.00	11.40	70.00	+0.00 / -0.04	85.00	+0.14 / -0.00	12.50	+0.30 / -0.00	41.25
R075088130RE	75.00	+0.00 / -0.04	75.00	88.00	13.00	75.00	+0.00 / -0.04	88.00	+0.14 / -0.00	14.00	+0.30 / -0.00	44.50
R080095114RE	80.00	+0.00 / -0.04	80.00	95.00	11.40	80.00	+0.00 / -0.04	95.00	+0.14 / -0.00	12.50	+0.30 / -0.00	45.60
R080095130RE	80.00	+0.00 / -0.04	80.00	95.00	13.00	80.00	+0.00 / -0.04	95.00	+0.14 / -0.00	14.00	+0.30 / -0.00	49.35
R085100130RE	85.00	+0.00 / -0.04	85.00	100.00	13.00	85.00	+0.00 / -0.04	100.00	+0.14 / -0.00	14.00	+0.30 / -0.00	49.85
R090105114RE	90.00	+0.00 / -0.04	90.00	105.00	11.40	90.00	+0.00 / -0.04	105.00	+0.14 / -0.00	12.50	+0.30 / -0.00	49.95
R090105130RE	90.00	+0.00 / -0.04	90.00	105.00	13.00	90.00	+0.00 / -0.04	105.00	+0.14 / -0.00	14.00	+0.30 / -0.00	51.90
R095110130RE	95.00	+0.00 / -0.04	95.00	110.00	13.00	95.00	+0.00 / -0.04	110.00	+0.14 / -0.00	14.00	+0.30 / -0.00	53.25
R100115130RE	100.00	+0.00 / -0.04	100.00	115.00	13.00	100.00	+0.00 / -0.04	115.00	+0.14 / -0.00	14.00	+0.30 / -0.00	54.55
R100120145RE	100.00	+0.00 / -0.04	100.00	120.00	14.50	100.00	+0.00 / -0.04	120.00	+0.14 / -0.00	16.00	+0.30 / -0.00	54.55
R110130130RE	110.00	+0.00 / -0.04	110.00	130.00	13.00	110.00	+0.00 / -0.04	130.00	+0.14 / -0.00	14.00	+0.30 / -0.00	58.90
R110130145RE	110.00	+0.00 / -0.04	110.00	130.00	14.50	110.00	+0.00 / -0.04	130.00	+0.16 / -0.00	16.00	+0.30 / -0.00	58.90
R120135145RE	120.00	+0.00 / -0.04	120.00	135.00	14.50	120.00	+0.00 / -0.04	135.00	+0.16 / -0.00	16.00	+0.30 / -0.00	63.45
R120140130RE	120.00	+0.00 / -0.04	120.00	140.00	13.00	120.00	+0.00 / -0.04	140.00	+0.16 / -0.00	14.00	+0.30 / -0.00	64.70
R125145145RE	125.00	+0.00 / -0.04	125.00	145.00	14.50	125.00	+0.00 / -0.04	145.00	+0.16 / -0.00	16.00	+0.30 / -0.00	65.50
R130150145RE	130.00	+0.00 / -0.04	130.00	150.00	14.50	130.00	+0.00 / -0.04	150.00	+0.16 / -0.00	16.00	+0.30 / -0.00	117.90
R140160130RE	140.00	+0.00 / -0.04	140.00	160.00	13.00	140.00	+0.00 / -0.04	160.00	+0.16 / -0.00	14.00	+0.30 / -0.00	72.15
R140160145RE	140.00	+0.00 / -0.04	140.00	160.00	14.50	140.00	+0.00 / -0.04	160.00	+0.16 / -0.00	16.00	+0.30 / -0.00	72.15
R160180145RE	160.00	+0.00 / -0.04	160.00	180.00	14.50	160.00	+0.00 / -0.04	180.00	+0.16 / -0.00	16.00	+0.30 / -0.00	81.10
R180200145RE	180.00	+0.00 / -0.04	180.00	200.00	14.50	180.00	+0.00 / -0.04	200.00	+0.16 / -0.00	16.00	+0.30 / -0.00	90.00
R200220145RE	200.00	+0.00 / -0.04	200.00	220.00	14.50	200.00	+0.00 / -0.04	220.00	+0.16 / -0.00	16.00	+0.30 / -0.00	98.90
R215235145RE	215.00	+0.00 / -0.04	215.00	235.00	14.50	215.00	+0.00 / -0.04	235.00	+0.16 / -0.00	16.00	+0.30 / -0.00	O/R

RV - Rod Seals

Nitrile/Neofab/Polyacetal





Temperature: -22/212F [-30/100C] **Pressure: 10 000 PSI [700 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R018030225RV	18.00	+0.00 / -0.04	18.00	30.00		18.00	+0.00 / -0.04	30.00	+0.16 / -0.00	22.50	+0.20 / -0.00	21.90
R020033200RV	20.00	+0.00 / -0.04	20.00	33.00		20.00	+0.00 / -0.04	33.00	+0.16 / -0.00	20.00	+0.20 / -0.00	34.10
R022035200RV	22.00	+0.00 / -0.04	22.00	35.00		22.00	+0.00 / -0.04	35.00	+0.16 / -0.00	20.00	+0.20 / -0.00	19.75
R025037225RV	25.00	+0.00 / -0.04	25.00	37.00		25.00	+0.00 / -0.04	37.00	+0.16 / -0.00	22.50	+0.20 / -0.00	29.00
R025038200RV	25.00	+0.00 / -0.04	25.00	38.00		25.00	+0.00 / -0.04	38.00	+0.16 / -0.00	20.00	+0.20 / -0.00	41.65
R028041200RV	28.00	+0.00 / -0.04	28.00	41.00		28.00	+0.00 / -0.04	41.00	+0.16 / -0.00	20.00	+0.20 / -0.00	18.75
R030043200RV	30.00	+0.00 / -0.04	30.00	43.00		30.00	+0.00 / -0.04	43.00	+0.16 / -0.00	20.00	+0.20 / -0.00	19.75
R032047225RV	32.00	+0.00 / -0.04	32.00	47.00		32.00	+0.00 / -0.04	47.00	+0.16 / -0.00	22.50	+0.20 / -0.00	22.40
R035045256RV	35.00	+0.00 / -0.04	35.00	45.00		35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	25.60	+0.20 / -0.00	22.40
R035047225RV	35.00	+0.00 / -0.04	35.00	47.00		35.00	+0.00 / -0.04	47.00	+0.16 / -0.00	22.50	+0.20 / -0.00	22.40
R035050225RV	35.00	+0.00 / -0.04	35.00	50.00		35.00	+0.00 / -0.04	50.00	+0.19 / -0.00	22.50	+0.20 / -0.00	22.40
R040050170RV	40.00	+0.00 / -0.04	40.00	50.00		40.00	+0.00 / -0.04	50.00	+0.19 / -0.00	17.00	+0.20 / -0.00	20.45
R040050173RV	40.00	+0.00 / -0.05	40.00	50.00		40.00	+0.00 / -0.05	50.00	+0.19 / -0.00	17.30	+0.20 / -0.00	22.40
R040052225RV	40.00	+0.00 / -0.05	40.00	52.00		40.00	+0.00 / -0.05	52.00	+0.19 / -0.00	22.50	+0.20 / -0.00	22.40
R040055225RV	40.00	+0.00 / -0.05	40.00	55.00		40.00	+0.00 / -0.05	55.00	+0.19 / -0.00	22.50	+0.20 / -0.00	24.15
R040060300RV	40.00	+0.00 / -0.05	40.00	60.00		40.00	+0.00 / -0.05	60.00	+0.19 / -0.00	30.00	+0.20 / -0.00	24.15
R045060225RV	45.00	+0.00 / -0.05	45.00	60.00		45.00	+0.00 / -0.05	60.00	+0.19 / -0.00	22.50	+0.20 / -0.00	24.15
R045065280RV	45.00	+0.00 / -0.05	45.00	65.00		45.00	+0.00 / -0.05	65.00	+0.19 / -0.00	28.00	+0.20 / -0.00	24.15
R050063200RV	50.00	+0.00 / -0.05	50.00	63.00		50.00	+0.00 / -0.05	63.00	+0.19 / -0.00	20.00	+0.20 / -0.00	24.15
R050065225RV	50.00	+0.00 / -0.05	50.00	65.00		50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	22.50	+0.20 / -0.00	24.60
R050065245RV	50.00	+0.00 / -0.05	50.00	65.00		50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	24.50	+0.20 / -0.00	24.60
R050070300RV	50.00	+0.00 / -0.05	50.00	70.00		50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	30.00	+0.20 / -0.00	26.85
R050070319RV	50.00	+0.00 / -0.05	50.00	70.00		50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	31.90	+0.20 / -0.00	26.85
R055070225RV	55.00	+0.00 / -0.05	55.00	70.00		55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	22.50	+0.20 / -0.00	27.75
R055070250RV	55.00	+0.00 / -0.05	55.00	70.00		55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	25.00	+0.20 / -0.00	26.85
R055075300RV	55.00	+0.00 / -0.05	55.00	75.00		55.00	+0.00 / -0.05	75.00	+0.19 / -0.00	30.00	+0.20 / -0.00	30.45
R055075320RV	55.00	+0.00 / -0.05	55.00	75.00		55.00	+0.00 / -0.05	75.00	+0.19 / -0.00	32.00	+0.20 / -0.00	30.45
R056071250RV	56.00	+0.00 / -0.05	56.00	71.00		56.00	+0.00 / -0.05	71.00	+0.19 / -0.00	25.00	+0.20 / -0.00	30.45
R056076280RV	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	28.00	+0.20 / -0.00	30.45
R060075225RV	60.00	+0.00 / -0.05	60.00	75.00		60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	22.50	+0.20 / -0.00	30.45
R060075250RV	60.00	+0.00 / -0.05	60.00	75.00		60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	25.00	+0.20 / -0.00	30.45
R060077270RV	60.00	+0.00 / -0.05	60.00	77.00		60.00	+0.00 / -0.05	77.00	+0.19 / -0.00	27.00	+0.20 / -0.00	30.45
R060080300RV	60.00	+0.00 / -0.05	60.00	80.00		60.00	+0.00 / -0.05	80.00	+0.22 / -0.00	30.00	+0.20 / -0.00	32.20
R060080320RV	60.00	+0.00 / -0.05	60.00	80.00		60.00	+0.00 / -0.05	80.00	+0.22 / -0.00	32.00	+0.20 / -0.00	32.20
R060080349RV	60.00	+0.00 / -0.05	60.00	80.00		60.00	+0.00 / -0.05	80.00	+0.22 / -0.00	34.90	+0.20 / -0.00	32.20
R063083280RV	63.00	+0.00 / -0.05	63.00	83.00		63.00	+0.00 / -0.05	83.00	+0.22 / -0.00	28.00	+0.20 / -0.00	32.20
R063083290RV	63.00	+0.00 / -0.05	63.00	83.00		63.00	+0.00 / -0.05	83.00	+0.22 / -0.00	29.00	+0.20 / -0.00	32.20
R065085290RV	65.00	+0.00 / -0.05	65.00	85.00		65.00	+0.00 / -0.05	85.00	+0.22 / -0.00	29.00	+0.20 / -0.00	32.20

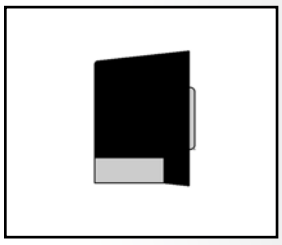
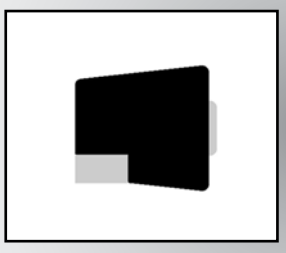
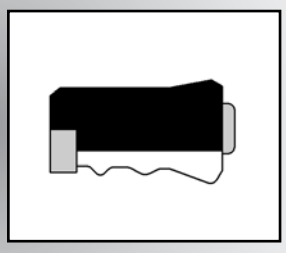
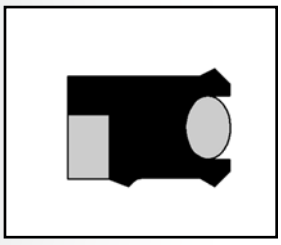
RV SERIES - NBR/NEO/POM

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R070083250RV	70.00	+0.00 / -0.06	70.00	83.00		70.00	+0.00 / -0.06	83.00	+0.22 / -0.00	25.00	+0.20 / -0.00	52.80
R070085225RV	70.00	+0.00 / -0.06	70.00	85.00		70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	22.50	+0.20 / -0.00	32.20
R070090300RV	70.00	+0.00 / -0.06	70.00	90.00		70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	30.00	+0.20 / -0.00	36.80
R070090319RV	70.00	+0.00 / -0.06	70.00	90.00		70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	31.90	+0.20 / -0.00	36.80
R075095280RV	75.00	+0.00 / -0.06	75.00	95.00		75.00	+0.00 / -0.06	95.00	+0.22 / -0.00	28.00	+0.20 / -0.00	36.80
R075095300RV	75.00	+0.00 / -0.06	75.00	95.00		75.00	+0.00 / -0.06	95.00	+0.22 / -0.00	30.00	+0.20 / -0.00	36.80
R080095225RV	80.00	+0.00 / -0.09	80.00	95.00		80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	22.50	+0.20 / -0.00	38.00
R080100300RV	80.00	+0.00 / -0.09	80.00	100.00		80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	30.00	+0.20 / -0.00	38.00
R085100225RV	85.00	+0.00 / -0.09	85.00	100.00		85.00	+0.00 / -0.09	100.00	+0.22 / -0.00	22.50	+0.20 / -0.00	43.85
R090105225RV	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	22.50	+0.20 / -0.00	38.15
R090105250RV	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	25.00	+0.20 / -0.00	38.15
R090105335RV	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	33.50	+0.20 / -0.00	38.15
R090110300RV	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	30.00	+0.20 / -0.00	38.15
R090110325RV	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	32.50	+0.20 / -0.00	40.45
R095110225RV	95.00	+0.00 / -0.09	95.00	110.00		95.00	+0.00 / -0.09	110.00	+0.22 / -0.00	22.50	+0.20 / -0.00	43.85
R095115280RV	95.00	+0.00 / -0.09	95.00	115.00		95.00	+0.00 / -0.09	115.00	+0.22 / -0.00	28.00	+0.20 / -0.00	47.70
R100114242RV	100.00	+0.00 / -0.09	100.00	114.30		100.00	+0.00 / -0.09	114.30	+0.22 / -0.00	24.20	+0.20 / -0.00	38.15
R100120300RV	100.00	+0.00 / -0.09	100.00	120.00		100.00	+0.00 / -0.09	120.00	+0.25 / -0.00	30.00	+0.20 / -0.00	40.20
R105125185RV	105.00	+0.00 / -0.13	105.00	125.00		105.00	+0.00 / -0.13	125.00	+0.25 / -0.00	18.50	+0.20 / -0.00	52.80
R110125225RV	110.00	+0.00 / -0.13	110.00	125.00		110.00	+0.00 / -0.13	125.00	+0.25 / -0.00	22.50	+0.20 / -0.00	44.80
R110130325RV	110.00	+0.00 / -0.13	110.00	130.00		110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	32.50	+0.20 / -0.00	52.80
R115130225RV	115.00	+0.00 / -0.13	115.00	130.00		115.00	+0.00 / -0.13	130.00	+0.25 / -0.00	22.50	+0.20 / -0.00	44.80
R115130300RV	115.00	+0.00 / -0.13	115.00	130.00		115.00	+0.00 / -0.13	130.00	+0.25 / -0.00	30.00	+0.20 / -0.00	49.15
R120140300RV	120.00	+0.00 / -0.13	120.00	140.00		120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	30.00	+0.20 / -0.00	56.00
R125140225RV	125.00	+0.00 / -0.13	125.00	140.00		125.00	+0.00 / -0.13	140.00	+0.25 / -0.00	22.50	+0.20 / -0.00	49.15
R125145300RV	125.00	+0.00 / -0.13	125.00	145.00		125.00	+0.00 / -0.13	145.00	+0.25 / -0.00	30.00	+0.20 / -0.00	56.00
R130150300RV	130.00	+0.00 / -0.13	130.00	150.00		130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	30.00	+0.20 / -0.00	67.90
R135150225RV	135.00	+0.00 / -0.13	135.00	150.00		135.00	+0.00 / -0.13	150.00	+0.25 / -0.00	22.50	+0.20 / -0.00	51.35
R140155225RV	140.00	+0.00 / -0.13	140.00	155.00		140.00	+0.00 / -0.13	155.00	+0.25 / -0.00	22.50	+0.20 / -0.00	56.00
R140160225RV	140.00	+0.00 / -0.13	140.00	160.00		140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	22.50	+0.20 / -0.00	58.15
R140160280RV	140.00	+0.00 / -0.13	140.00	160.00		140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	28.00	+0.20 / -0.00	62.60
R145165225RV	145.00	+0.00 / -0.13	145.00	165.00		145.00	+0.00 / -0.13	165.00	+0.25 / -0.00	22.50	+0.20 / -0.00	62.60
R150165225RV	150.00	+0.00 / -0.13	150.00	165.00		150.00	+0.00 / -0.13	165.00	+0.25 / -0.00	22.50	+0.20 / -0.00	66.90
R150170280RV	150.00	+0.00 / -0.13	150.00	170.00		150.00	+0.00 / -0.13	170.00	+0.25 / -0.00	28.00	+0.20 / -0.00	66.90
R155175225RV	155.00	+0.00 / -0.13	155.00	175.00		155.00	+0.00 / -0.13	175.00	+0.25 / -0.00	22.50	+0.20 / -0.00	71.55
R160180280RV	160.00	+0.00 / -0.13	160.00	180.00		160.00	+0.00 / -0.13	180.00	+0.29 / -0.00	28.00	+0.20 / -0.00	80.55
R170185225RV	170.00	+0.00 / -0.13	170.00	185.00		170.00	+0.00 / -0.13	185.00	+0.29 / -0.00	22.50	+0.20 / -0.00	73.75
R170195350RV	170.00	+0.00 / -0.13	170.00	195.00		170.00	+0.00 / -0.13	195.00	+0.29 / -0.00	35.00	+0.20 / -0.00	89.25
R175195225RV	175.00	+0.00 / -0.13	175.00	195.00		175.00	+0.00 / -0.13	195.00	+0.29 / -0.00	22.50	+0.20 / -0.00	80.55
R175195300RV	175.00	+0.00 / -0.13	175.00	195.00		175.00	+0.00 / -0.13	195.00	+0.29 / -0.00	30.00	+0.20 / -0.00	89.25
R180205350RV	180.00	+0.00 / -0.13	180.00	205.00		180.00	+0.00 / -0.13	205.00	+0.29 / -0.00	35.00	+0.20 / -0.00	93.95
R185200225RV	185.00	+0.00 / -0.13	185.00	200.00		185.00	+0.00 / -0.13	200.00	+0.29 / -0.00	22.50	+0.20 / -0.00	89.25
R185210350RV	185.00	+0.00 / -0.13	185.00	210.00		185.00	+0.00 / -0.13	210.00	+0.29 / -0.00	35.00	+0.20 / -0.00	102.75
R187202225RV	187.00	+0.00 / -0.13	187.00	202.00		187.00	+0.00 / -0.13	202.00	+0.29 / -0.00	22.50	+0.20 / -0.00	89.25
R190215350RV	190.00	+0.00 / -0.13	190.00	215.00		190.00	+0.00 / -0.13	215.00	+0.29 / -0.00	35.00	+0.20 / -0.00	114.90
R195210225RV	195.00	+0.00 / -0.13	195.00	210.00		195.00	+0.00 / -0.13	210.00	+0.29 / -0.00	22.50	+0.20 / -0.00	89.25
R195220350RV	195.00	+0.00 / -0.13	195.00	220.00		195.00	+0.00 / -0.13	220.00	+0.29 / -0.00	35.00	+0.20 / -0.00	131.60
R200215225RV	200.00	+0.00 / -0.13	200.00	215.00		200.00	+0.00 / -0.13	215.00	+0.29 / -0.00	22.50	+0.20 / -0.00	93.70

RV SERIES - NBR/NEO/POM

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R200225350RV	200.00	+0.00 / -0.13	200.00	225.00		200.00	+0.00 / -0.13	225.00	+0.29 / -0.00	35.00	+0.20 / -0.00	142.75
R205230350RV	205.00	+0.00 / -0.13	205.00	230.00		205.00	+0.00 / -0.13	230.00	+0.29 / -0.00	35.00	+0.20 / -0.00	142.75
R210235350RV	210.00	+0.00 / -0.13	210.00	235.00		210.00	+0.00 / -0.13	235.00	+0.29 / -0.00	35.00	+0.20 / -0.00	158.60
R220240225RV	220.00	+0.00 / -0.13	220.00	240.00		220.00	+0.00 / -0.13	240.00	+0.29 / -0.00	22.50	+0.20 / -0.00	116.10
R220245350RV	220.00	+0.00 / -0.13	220.00	245.00		220.00	+0.00 / -0.13	245.00	+0.29 / -0.00	35.00	+0.20 / -0.00	169.80
R225240225RV	225.00	+0.00 / -0.13	225.00	240.00		225.00	+0.00 / -0.13	240.00	+0.29 / -0.00	22.50	+0.20 / -0.00	116.10
R230250225RV	230.00	+0.00 / -0.13	230.00	250.00		230.00	+0.00 / -0.13	250.00	+0.32 / -0.00	22.50	+0.20 / -0.00	133.80
R235255225RV	235.00	+0.00 / -0.13	235.00	255.00		235.00	+0.00 / -0.13	255.00	+0.32 / -0.00	22.50	+0.20 / -0.00	142.75
R240265350RV	240.00	+0.00 / -0.13	240.00	265.00		240.00	+0.00 / -0.13	265.00	+0.32 / -0.00	35.00	+0.20 / -0.00	191.90
R260280225RV	260.00	+0.00 / -0.13	260.00	280.00		260.00	+0.00 / -0.13	280.00	+0.32 / -0.00	22.50	+0.20 / -0.00	187.55
R280305350RV	280.00	+0.00 / -0.13	280.00	305.00		280.00	+0.00 / -0.13	305.00	+0.32 / -0.00	35.00	+0.20 / -0.00	223.35

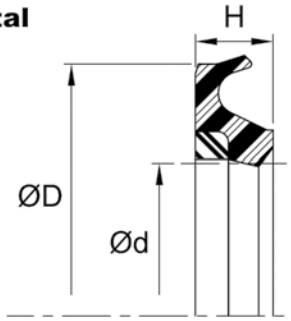
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

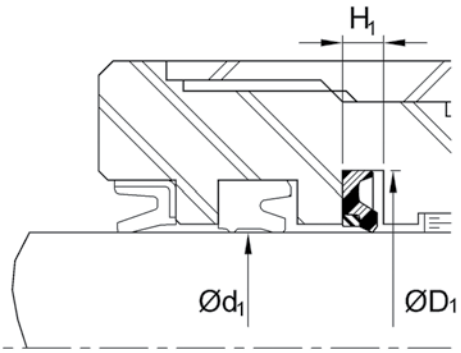





RH-1 - Buffer Seals

Polyurethane AU 94A/Polyacetal







Temperature: -31/212F [-35/100C] **Pressure: 8500 PSI [584 Bar]**

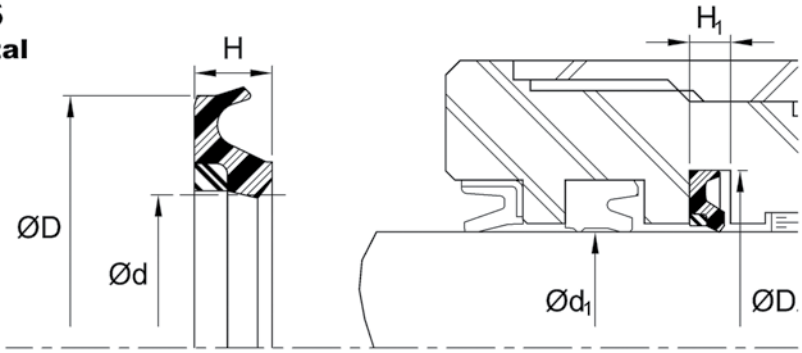
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R035051060RH-1	35.50	+0.00 / -0.05	35.50	51.00	6.00	35.50	+0.00 / -0.05	50.00	+0.19 / -0.00	6.30	+0.20 / -0.00	O/R
R040055060RH-1	40.00	+0.00 / -0.05	40.00	55.50	6.00	40.00	+0.00 / -0.05	55.50	+0.19 / -0.00	6.30	+0.20 / -0.00	21.90
R045060060RH-1	45.00	+0.00 / -0.05	45.00	60.50	6.00	45.00	+0.00 / -0.05	60.50	+0.19 / -0.00	6.30	+0.20 / -0.00	22.10
R050065060RH-1	50.00	+0.00 / -0.05	50.00	65.50	6.00	50.00	+0.00 / -0.05	65.50	+0.19 / -0.00	6.30	+0.20 / -0.00	22.35
R055070060RH-1	55.00	+0.00 / -0.05	55.00	70.50	6.00	55.00	+0.00 / -0.05	70.50	+0.19 / -0.00	6.30	+0.20 / -0.00	22.60
R060075060RH-1	60.00	+0.00 / -0.05	60.00	75.50	6.00	60.00	+0.00 / -0.05	75.50	+0.19 / -0.00	6.30	+0.20 / -0.00	22.85
R065080060RH-1	65.00	+0.00 / -0.06	65.00	80.50	6.00	65.00	+0.00 / -0.06	80.50	+0.22 / -0.00	6.30	+0.20 / -0.00	27.15
R070085060RH-1	70.00	+0.00 / -0.06	70.00	85.50	6.00	70.00	+0.00 / -0.06	85.50	+0.22 / -0.00	6.30	+0.20 / -0.00	29.60
R075090060RH-1	75.00	+0.00 / -0.06	75.00	90.50	6.00	75.00	+0.00 / -0.06	90.50	+0.22 / -0.00	6.30	+0.20 / -0.00	31.45
R080095060RH-1	80.00	+0.00 / -0.09	80.00	95.50	6.00	80.00	+0.00 / -0.09	95.50	+0.22 / -0.00	6.30	+0.20 / -0.00	33.35
R085100060RH-1	85.00	+0.00 / -0.09	85.00	100.50	6.00	85.00	+0.00 / -0.09	100.50	+0.22 / -0.00	6.30	+0.20 / -0.00	35.75
R090105060RH-1	90.00	+0.00 / -0.09	90.00	105.50	6.00	90.00	+0.00 / -0.09	105.50	+0.22 / -0.00	6.30	+0.20 / -0.00	43.15
R095110060RH-1	95.00	+0.00 / -0.09	95.00	110.50	6.00	95.00	+0.00 / -0.09	110.50	+0.22 / -0.00	6.30	+0.20 / -0.00	45.55
R100115060RH-1	100.00	+0.00 / -0.09	100.00	115.50	6.00	100.00	+0.00 / -0.09	115.50	+0.22 / -0.00	6.30	+0.20 / -0.00	46.85
R105120060RH-1	105.00	+0.00 / -0.13	105.00	120.50	6.00	105.00	+0.00 / -0.13	120.50	+0.25 / -0.00	6.30	+0.20 / -0.00	48.70
R110125060RH-1	110.00	+0.00 / -0.13	110.00	125.50	6.00	110.00	+0.00 / -0.13	125.50	+0.25 / -0.00	6.30	+0.20 / -0.00	50.50
R115130060RH-1	115.00	+0.00 / -0.13	115.00	130.50	6.00	115.00	+0.00 / -0.13	130.50	+0.25 / -0.00	6.30	+0.20 / -0.00	52.70
R120135060RH-1	120.00	+0.00 / -0.13	120.00	135.50	6.00	120.00	+0.00 / -0.13	135.50	+0.25 / -0.00	6.30	+0.20 / -0.00	54.85
R125140060RH-1	125.00	+0.00 / -0.13	125.00	140.50	6.00	125.00	+0.00 / -0.13	140.50	+0.25 / -0.00	6.30	+0.20 / -0.00	56.80
R130145060RH-1	130.00	+0.00 / -0.13	130.00	145.50	6.00	130.00	+0.00 / -0.13	145.50	+0.25 / -0.00	6.30	+0.20 / -0.00	58.30
R135150060RH-1	135.00	+0.00 / -0.13	135.00	150.50	6.00	135.00	+0.00 / -0.13	150.50	+0.25 / -0.00	6.30	+0.20 / -0.00	60.55
R140155060RH-1	140.00	+0.00 / -0.13	140.00	155.50	6.00	140.00	+0.00 / -0.13	155.50	+0.25 / -0.00	6.30	+0.20 / -0.00	63.00
R145160060RH-1	145.00	+0.00 / -0.13	145.00	160.50	6.00	145.00	+0.00 / -0.13	160.50	+0.25 / -0.00	6.30	+0.20 / -0.00	66.15
R150165060RH-1	150.00	+0.00 / -0.13	150.00	165.50	6.00	150.00	+0.00 / -0.13	165.50	+0.25 / -0.00	6.30	+0.20 / -0.00	69.30
R155170060RH-1	155.00	+0.00 / -0.13	155.00	170.50	6.00	155.00	+0.00 / -0.13	170.50	+0.25 / -0.00	6.30	+0.20 / -0.00	73.60
R160175060RH-1	160.00	+0.00 / -0.13	160.00	175.50	6.00	160.00	+0.00 / -0.13	175.50	+0.25 / -0.00	6.30	+0.20 / -0.00	79.15
R165180060RH-1	165.00	+0.00 / -0.13	165.00	180.50	6.00	165.00	+0.00 / -0.13	180.50	+0.29 / -0.00	6.30	+0.20 / -0.00	80.80
R170185060RH-1	170.00	+0.00 / -0.13	170.00	185.50	6.00	170.00	+0.00 / -0.13	185.50	+0.29 / -0.00	6.30	+0.20 / -0.00	82.65
R180195060RH-1	180.00	+0.00 / -0.13	180.00	195.50	6.00	180.00	+0.00 / -0.13	195.50	+0.29 / -0.00	6.30	+0.20 / -0.00	O/R
R190205060RH-1	190.00	+0.00 / -0.13	190.00	205.50	6.00	190.00	+0.00 / -0.13	205.50	+0.29 / -0.00	6.30	+0.20 / -0.00	O/R
R200215077RH-1	200.00	+0.00 / -0.13	200.00	215.50	7.70	200.00	+0.00 / -0.13	215.50	+0.29 / -0.00	8.10	+0.20 / -0.00	O/R
R210225077RH-1	210.00	+0.00 / -0.13	210.00	225.50	7.70	210.00	+0.00 / -0.13	225.50	+0.29 / -0.00	8.10	+0.20 / -0.00	O/R

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RH - Buffer Seals

Polyurethane AU 94A/Polyacetal





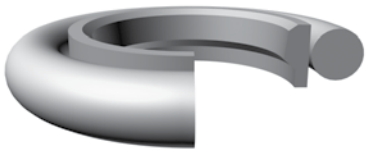
Temperature: -31/212F [-35/100C] **Pressure: 8500 PSI [584 Bar]**

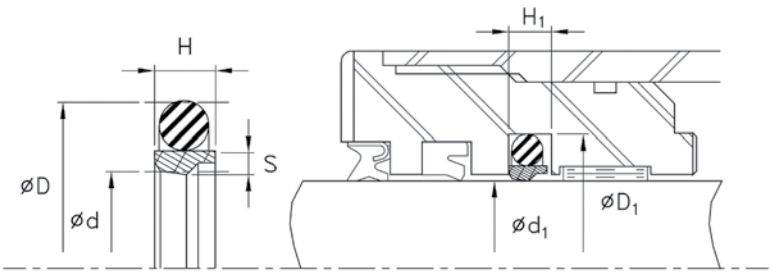
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-0996997	55.00	+0.00/-0.05	55.00			55.00	+0.00/-0.05	70.52	+0.19/-0.00	6.40	+0.20/-0.00	47.95
RCAT-1336785	55.00	+0.00/-0.05	55.00			55.00	+0.00/-0.05	70.52	+0.19/-0.00	6.40	+0.20/-0.00	47.95
RCAT-0931481	60.00	+0.00/-0.05	60.00			60.00	+0.00/-0.05	75.52	+0.19/-0.00	6.40	+0.20/-0.00	49.35
RCAT-1336784	60.00	+0.00/-0.05	60.00			60.00	+0.00/-0.05	75.52	+0.19/-0.00	6.40	+0.20/-0.00	49.35
RCAT-0931482	65.00	+0.00/-0.06	65.00			65.00	+0.00/-0.06	80.52	+0.22/-0.00	6.40	+0.20/-0.00	50.20
RCAT-1262149	65.00	+0.00/-0.06	65.00			65.00	+0.00/-0.06	80.53	+0.22/-0.00	6.40	+0.20/-0.00	50.20
RCAT-1262150	69.00	+0.00/-0.06	69.00			69.00	+0.00/-0.06	85.60	+0.22/-0.00	6.40	+0.20/-0.00	51.60
RCAT-0931483	70.00	+0.00/-0.06	70.00			70.00	+0.00/-0.06	85.53	+0.22/-0.00	6.40	+0.20/-0.00	51.60
RCAT-1262151	74.00	+0.00/-0.06	74.00			74.00	+0.00/-0.06	90.42	+0.22/-0.00	6.40	+0.20/-0.00	53.75
RCAT-0963469	75.00	+0.00/-0.06	75.00			75.00	+0.00/-0.06	90.53	+0.22/-0.00	6.40	+0.20/-0.00	53.75
RCAT-1262152	79.00	+0.00/-0.06	79.00			79.00	+0.00/-0.06	95.50	+0.22/-0.00	6.40	+0.20/-0.00	54.60
RCAT-0931484	80.00	+0.00/-0.09	80.00			80.00	+0.00/-0.09	95.53	+0.22/-0.00	6.40	+0.20/-0.00	54.60
RCAT-1231943	84.00	+0.00/-0.09	84.00			84.00	+0.00/-0.09	100.58	+0.22/-0.00	6.40	+0.20/-0.00	61.35
RCAT-7Y5118	85.00	+0.00/-0.09	85.00			85.00	+0.00/-0.09	100.54	+0.22/-0.00	6.40	+0.20/-0.00	61.35
RCAT-0961585	90.00	+0.00/-0.09	90.00			90.00	+0.00/-0.09	105.54	+0.22/-0.00	6.40	+0.20/-0.00	77.90
RCAT-1232048	90.00	+0.00/-0.09	90.00			90.00	+0.00/-0.09	105.66	+0.22/-0.00	6.40	+0.20/-0.00	77.90
RCAT-7Y4630	94.00	+0.00/-0.09	94.00			94.00	+0.00/-0.09	110.49	+0.22/-0.00	6.40	+0.20/-0.00	84.85
RCAT-1505885	95.00	+0.00/-0.09	95.00			95.00	+0.00/-0.09	110.49	+0.22/-0.00	6.40	+0.20/-0.00	84.85
RCAT-0962663	100.00	+0.00/-0.09	100.00			100.00	+0.00/-0.09	115.53	+0.22/-0.00	6.40	+0.20/-0.00	87.10
RCAT-1231983	100.00	+0.00/-0.09	100.00			100.00	+0.00/-0.09	115.57	+0.22/-0.00	6.40	+0.20/-0.00	87.10
RCAT-1231942	105.00	+0.00/-0.13	105.00			105.00	+0.00/-0.13	120.65	+0.25/-0.00	6.40	+0.20/-0.00	92.05
RCAT-1289265	105.00	+0.00/-0.13	105.00			105.00	+0.00/-0.13	120.65	+0.25/-0.00	6.40	+0.20/-0.00	92.05
RCAT-7Y4671	105.00	+0.00/-0.13	105.00			105.00	+0.00/-0.13	120.54	+0.25/-0.00	6.40	+0.20/-0.00	92.05
RCAT-1672219	109.00	+0.00/-0.13	109.00			109.00	+0.00/-0.13	125.48	+0.25/-0.00	6.40	+0.20/-0.00	97.90
RCAT-1289266	110.00	+0.00/-0.13	110.00			110.00	+0.00/-0.13	125.53	+0.25/-0.00	6.40	+0.20/-0.00	97.90
RCAT-7Y4943	110.00	+0.00/-0.13	110.00			110.00	+0.00/-0.13	125.54	+0.25/-0.00	6.40	+0.20/-0.00	97.90
RCAT-1559191	124.00	+0.00/-0.13	124.00			124.00	+0.00/-0.13	140.53	+0.25/-0.00	6.40	+0.20/-0.00	105.55
RCAT-1211593	127.00	+0.00/-0.13	127.00			127.00	+0.00/-0.13	142.88	+0.25/-0.00	6.40	+0.20/-0.00	O/R
RCAT-0965169	130.00	+0.00/-0.13	130.00			130.00	+0.00/-0.13	145.53	+0.25/-0.00	6.40	+0.20/-0.00	108.60
RCAT-1262108	130.00	+0.00/-0.13	130.00			130.00	+0.00/-0.13	145.53	+0.25/-0.00	6.40	+0.20/-0.00	108.60
RCAT-1475769	139.00	+0.00/-0.13	139.00			139.00	+0.00/-0.13	155.53	+0.25/-0.00	6.40	+0.20/-0.00	122.25
RCAT-8C9189	140.00	+0.00/-0.13	140.00			140.00	+0.00/-0.13	155.53	+0.25/-0.00	6.40	+0.20/-0.00	122.25
RCAT-8C9193	150.00	+0.00/-0.13	150.00			150.00	+0.00/-0.13	165.53	+0.25/-0.00	6.40	+0.20/-0.00	132.85

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

RZ - Buffer Seals

40% BR. PTFE/NBR





Temperature: -30/250F [-34/121C] **Pressure: 5800 PSI [400 Bar]**

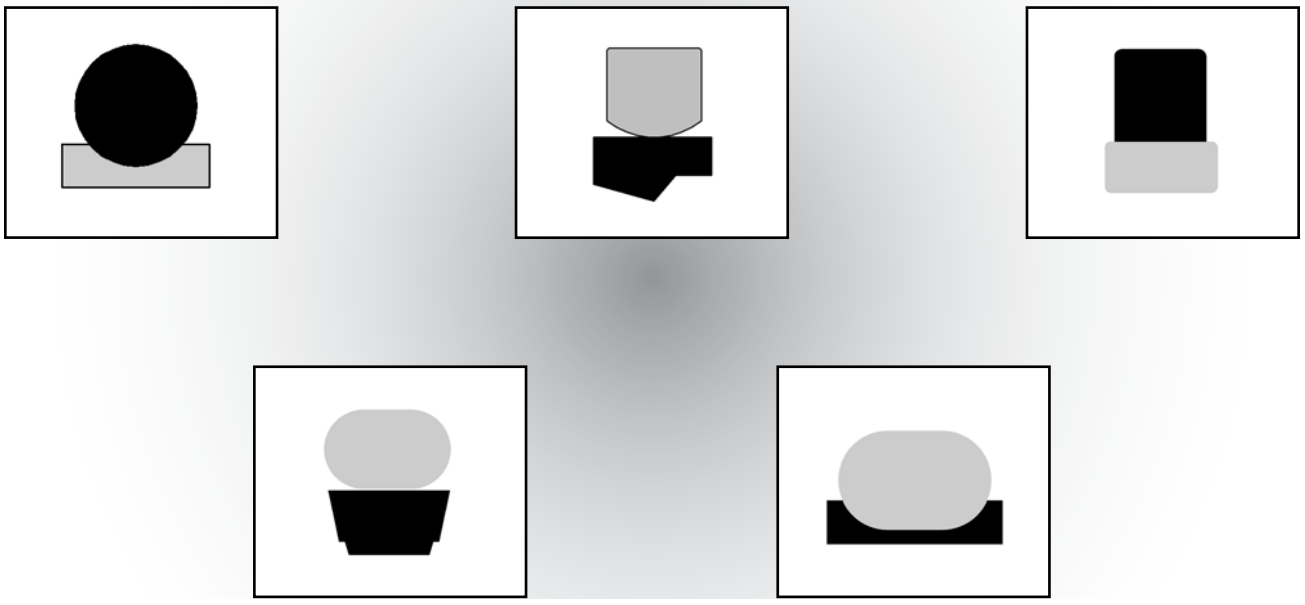
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R004008020RZ	4.00	+0.00 / -0.04	4.00	1.00	2.00	-010	4.00	+0.00 / -0.04	8.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.55
R005009020RZ	5.00	+0.00 / -0.04	5.00	1.00	2.00	-011	5.00	+0.00 / -0.04	9.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.55
R006010020RZ	6.00	+0.00 / -0.04	6.00	1.00	2.00	-011	6.00	+0.00 / -0.04	10.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.55
R007011020RZ	7.00	+0.00 / -0.04	7.00	1.00	2.00	-012	7.00	+0.00 / -0.04	11.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.55
R008012020RZ	8.00	+0.00 / -0.04	8.00	1.00	2.00	-012	8.00	+0.00 / -0.04	12.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.55
R008015029RZ	8.00	+0.00 / -0.04	8.00	1.70	2.93	-111	8.00	+0.00 / -0.04	15.30	+0.04 / -0.00	3.20	+0.20 / -0.00	9.55
R010014020RZ	10.00	+0.00 / -0.04	10.00	1.00	2.00	-013	10.00	+0.00 / -0.04	14.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.75
R010017029RZ	10.00	+0.00 / -0.04	10.00	1.70	2.93	-113	10.00	+0.00 / -0.04	17.30	+0.04 / -0.00	3.20	+0.20 / -0.00	9.75
R012016020RZ	12.00	+0.00 / -0.04	12.00	1.00	2.00	-015	12.00	+0.00 / -0.04	16.90	+0.04 / -0.00	2.20	+0.20 / -0.00	9.95
R012019029RZ	12.00	+0.00 / -0.04	12.00	1.70	2.93	-114	12.00	+0.00 / -0.04	19.30	+0.04 / -0.00	3.20	+0.20 / -0.00	9.95
R014018020RZ	14.00	+0.00 / -0.04	14.00	1.00	2.00	-016	14.00	+0.00 / -0.04	18.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.00
R014021029RZ	14.00	+0.00 / -0.04	14.00	1.70	2.93	-115	14.00	+0.00 / -0.04	21.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.00
R015019020RZ	15.00	+0.00 / -0.04	15.00	1.00	2.00	-016	15.00	+0.00 / -0.04	19.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.00
R015022029RZ	15.00	+0.00 / -0.04	15.00	1.70	2.93	-116	15.00	+0.00 / -0.04	22.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.00
R016020020RZ	16.00	+0.00 / -0.04	16.00	1.00	2.00	-017	16.00	+0.00 / -0.04	20.90	+0.05 / -0.00	2.20	+0.20 / -0.00	10.20
R016023029RZ	16.00	+0.00 / -0.04	16.00	1.70	2.93	-116	16.00	+0.00 / -0.04	23.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.20
R018022020RZ	18.00	+0.00 / -0.04	18.00	1.00	2.00	-018	18.00	+0.00 / -0.04	22.90	+0.05 / -0.00	2.20	+0.20 / -0.00	10.55
R018025029RZ	18.00	+0.00 / -0.04	18.00	1.70	2.93	-118	18.00	+0.00 / -0.04	25.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.55
R020027029RZ	20.00	+0.00 / -0.04	20.00	1.70	2.93	-119	20.00	+0.00 / -0.04	27.30	+0.05 / -0.00	3.20	+0.20 / -0.00	11.85
R020030039RZ	20.00	+0.00 / -0.04	20.00	2.55	3.93	-214	20.00	+0.00 / -0.04	30.70	+0.06 / -0.00	4.20	+0.20 / -0.00	11.85
R022029029RZ	22.00	+0.00 / -0.04	22.00	1.70	2.93	-120	22.00	+0.00 / -0.04	29.30	+0.05 / -0.00	3.20	+0.20 / -0.00	12.05
R022032039RZ	22.00	+0.00 / -0.04	22.00	2.55	3.93	-215	22.00	+0.00 / -0.04	32.70	+0.06 / -0.00	4.20	+0.20 / -0.00	12.05
R025032029RZ	25.00	+0.00 / -0.04	25.00	1.70	2.93	-122	25.00	+0.00 / -0.04	32.30	+0.06 / -0.00	3.20	+0.20 / -0.00	12.80
R025035039RZ	25.00	+0.00 / -0.04	25.00	2.55	3.93	-217	25.00	+0.00 / -0.04	35.70	+0.06 / -0.00	4.20	+0.20 / -0.00	12.80
R028035029RZ	28.00	+0.00 / -0.04	28.00	1.70	2.93	-124	28.00	+0.00 / -0.04	35.30	+0.06 / -0.00	3.20	+0.20 / -0.00	13.25
R028038039RZ	28.00	+0.00 / -0.04	28.00	2.55	3.93	-219	28.00	+0.00 / -0.04	38.70	+0.06 / -0.00	4.20	+0.20 / -0.00	13.25
R030037029RZ	30.00	+0.00 / -0.04	30.00	1.70	2.93	-125	30.00	+0.00 / -0.04	37.30	+0.06 / -0.00	3.20	+0.20 / -0.00	14.20
R030040039RZ	30.00	+0.00 / -0.04	30.00	2.55	3.93	-220	30.00	+0.00 / -0.04	40.70	+0.06 / -0.00	4.20	+0.20 / -0.00	14.20
R032039029RZ	32.00	+0.00 / -0.04	32.00	1.70	2.93	-126	32.00	+0.00 / -0.04	39.30	+0.06 / -0.00	3.20	+0.20 / -0.00	14.90
R032042039RZ	32.00	+0.00 / -0.04	32.00	2.55	3.93	-221	32.00	+0.00 / -0.04	42.70	+0.06 / -0.00	4.20	+0.20 / -0.00	14.90
R035042029RZ	35.00	+0.00 / -0.04	35.00	1.70	2.93	-128	35.00	+0.00 / -0.04	42.30	+0.06 / -0.00	3.20	+0.20 / -0.00	16.70
R035045039RZ	35.00	+0.00 / -0.04	35.00	2.55	3.93	-222	35.00	+0.00 / -0.04	45.70	+0.06 / -0.00	4.20	+0.20 / -0.00	16.70
R036043029RZ	36.00	+0.00 / -0.04	36.00	1.70	2.93	-129	36.00	+0.00 / -0.04	43.30	+0.06 / -0.00	3.20	+0.20 / -0.00	17.30
R036046039RZ	36.00	+0.00 / -0.04	36.00	2.55	3.93	-223	36.00	+0.00 / -0.04	46.70	+0.06 / -0.00	4.20	+0.20 / -0.00	17.30
R038048039RZ	38.00	+0.00 / -0.04	38.00	2.55	3.93	-223	38.00	+0.00 / -0.04	48.70	+0.06 / -0.00	4.20	+0.20 / -0.00	21.25
R038053059RZ	38.00	+0.00 / -0.04	38.00	3.45	5.90	-327	38.00	+0.00 / -0.04	53.10	+0.07 / -0.00	6.30	+0.20 / -0.00	21.25
R040050039RZ	40.00	+0.00 / -0.05	40.00	2.55	3.93	-224	40.00	+0.00 / -0.05	50.70	+0.06 / -0.00	4.20	+0.20 / -0.00	22.10
R040055059RZ	40.00	+0.00 / -0.05	40.00	3.45	5.90	-328	40.00	+0.00 / -0.05	55.10	+0.07 / -0.00	6.30	+0.20 / -0.00	22.10

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R042057059RZ	42.00	+0.00 / -0.05	42.00	3.45	5.90	-328	42.00	+0.00 / -0.05	57.10	+0.07 / -0.00	6.30	+0.20 / -0.00	22.95
R045055039RZ	45.00	+0.00 / -0.05	45.00	2.55	3.93	-226	45.00	+0.00 / -0.05	55.70	+0.07 / -0.00	4.20	+0.20 / -0.00	24.80
R045060059RZ	45.00	+0.00 / -0.05	45.00	3.45	5.90	-329	45.00	+0.00 / -0.05	60.10	+0.07 / -0.00	6.30	+0.20 / -0.00	24.80
R050060039RZ	50.00	+0.00 / -0.05	50.00	2.55	3.93	-227	50.00	+0.00 / -0.05	60.70	+0.07 / -0.00	4.20	+0.20 / -0.00	26.25
R050065059RZ	50.00	+0.00 / -0.05	50.00	3.45	5.90	-331	50.00	+0.00 / -0.05	65.10	+0.07 / -0.00	6.30	+0.20 / -0.00	26.25
R055070059RZ	55.00	+0.00 / -0.05	55.00	3.45	5.90	-332	55.00	+0.00 / -0.05	70.10	+0.07 / -0.00	6.30	+0.20 / -0.00	28.40
R056066039RZ	56.00	+0.00 / -0.05	56.00	2.55	3.93	-229	56.00	+0.00 / -0.05	66.70	+0.07 / -0.00	4.20	+0.20 / -0.00	29.05
R056071059RZ	56.00	+0.00 / -0.05	56.00	3.45	5.90	-333	56.00	+0.00 / -0.05	71.10	+0.07 / -0.00	6.30	+0.20 / -0.00	29.05
R060070039RZ	60.00	+0.00 / -0.05	60.00	2.55	3.93	-230	60.00	+0.00 / -0.05	70.70	+0.07 / -0.00	4.20	+0.20 / -0.00	31.50
R060075059RZ	60.00	+0.00 / -0.05	60.00	3.45	5.90	-334	60.00	+0.00 / -0.05	75.10	+0.07 / -0.00	6.30	+0.20 / -0.00	31.50
R063078059RZ	63.00	+0.00 / -0.05	63.00	3.45	5.90	-335	63.00	+0.00 / -0.05	78.10	+0.07 / -0.00	6.30	+0.20 / -0.00	32.75
R065080059RZ	65.00	+0.00 / -0.06	65.00	3.45	5.90	-336	65.00	+0.00 / -0.06	80.10	+0.07 / -0.00	6.30	+0.20 / -0.00	33.10
R070085059RZ	70.00	+0.00 / -0.06	70.00	3.45	5.90	-337	70.00	+0.00 / -0.06	85.10	+0.09 / -0.00	6.30	+0.20 / -0.00	33.95
R075090059RZ	75.00	+0.00 / -0.06	75.00	3.45	5.90	-339	75.00	+0.00 / -0.06	90.10	+0.09 / -0.00	6.30	+0.20 / -0.00	34.10
R080095059RZ	80.00	+0.00 / -0.09	80.00	3.45	5.90	-340	80.00	+0.00 / -0.09	95.10	+0.09 / -0.00	6.30	+0.20 / -0.00	34.60
R085100059RZ	85.00	+0.00 / -0.09	85.00	3.45	5.90	-342	85.00	+0.00 / -0.09	100.10	+0.09 / -0.00	6.30	+0.20 / -0.00	36.95
R090105059RZ	90.00	+0.00 / -0.09	90.00	3.45	5.90	-344	90.00	+0.00 / -0.09	105.10	+0.09 / -0.00	6.30	+0.20 / -0.00	41.75
R095110059RZ	95.00	+0.00 / -0.09	95.00	3.45	5.90	-345	95.00	+0.00 / -0.09	110.10	+0.09 / -0.00	6.30	+0.20 / -0.00	44.10
R100115059RZ	100.00	+0.00 / -0.09	100.00	3.45	5.90	-347	100.00	+0.00 / -0.09	115.10	+0.09 / -0.00	6.30	+0.20 / -0.00	45.20
R105120059RZ	105.00	+0.00 / -0.13	105.00	3.45	5.90	-348	105.00	+0.00 / -0.13	120.10	+0.09 / -0.00	6.30	+0.20 / -0.00	45.65
R110125059RZ	110.00	+0.00 / -0.13	110.00	3.45	5.90	-350	110.00	+0.00 / -0.13	125.10	+0.10 / -0.00	6.30	+0.20 / -0.00	52.25
R115130059RZ	115.00	+0.00 / -0.13	115.00	3.45	5.90	-351	115.00	+0.00 / -0.13	130.10	+0.10 / -0.00	6.30	+0.20 / -0.00	52.80
R120135059RZ	120.00	+0.00 / -0.13	120.00	3.45	5.90	-353	120.00	+0.00 / -0.13	135.10	+0.10 / -0.00	6.30	+0.20 / -0.00	56.45
R125140059RZ	125.00	+0.00 / -0.13	125.00	3.45	5.90	-355	125.00	+0.00 / -0.13	140.10	+0.10 / -0.00	6.30	+0.20 / -0.00	59.20
R130145059RZ	130.00	+0.00 / -0.13	130.00	3.45	5.90	-356	130.00	+0.00 / -0.13	145.10	+0.10 / -0.00	6.30	+0.20 / -0.00	64.15
R135150059RZ	135.00	+0.00 / -0.13	135.00	3.45	5.90	-358	135.00	+0.00 / -0.13	150.10	+0.10 / -0.00	6.30	+0.20 / -0.00	64.15
R140155059RZ	140.00	+0.00 / -0.13	140.00	3.45	5.90	-359	140.00	+0.00 / -0.13	155.10	+0.10 / -0.00	6.30	+0.20 / -0.00	64.55
R145160059RZ	145.00	+0.00 / -0.13	145.00	3.45	5.90	-361	145.00	+0.00 / -0.13	160.10	+0.10 / -0.00	6.30	+0.20 / -0.00	74.10
R150165059RZ	150.00	+0.00 / -0.13	150.00	3.45	5.90	-362	150.00	+0.00 / -0.13	165.10	+0.10 / -0.00	6.30	+0.20 / -0.00	80.00
R155170059RZ	155.00	+0.00 / -0.13	155.00	3.45	5.90	-362	155.00	+0.00 / -0.13	170.10	+0.10 / -0.00	6.30	+0.20 / -0.00	85.45
R160175059RZ	160.00	+0.00 / -0.13	160.00	3.45	5.90	-363	160.00	+0.00 / -0.13	175.10	+0.10 / -0.00	6.30	+0.20 / -0.00	90.45
R165180059RZ	165.00	+0.00 / -0.13	165.00	3.45	5.90	-364	165.00	+0.00 / -0.13	180.10	+0.10 / -0.00	6.30	+0.20 / -0.00	92.30
R170185059RZ	170.00	+0.00 / -0.13	170.00	3.45	5.90	-365	170.00	+0.00 / -0.13	185.10	+0.12 / -0.00	6.30	+0.20 / -0.00	94.40
R175190059RZ	175.00	+0.00 / -0.13	175.00	3.45	5.90	-366	175.00	+0.00 / -0.13	190.10	+0.12 / -0.00	6.30	+0.20 / -0.00	94.40
R180195059RZ	180.00	+0.00 / -0.13	180.00	3.45	5.90	-366	180.00	+0.00 / -0.13	195.10	+0.12 / -0.00	6.30	+0.20 / -0.00	97.20
R185200059RZ	185.00	+0.00 / -0.13	185.00	3.45	5.90	-367	185.00	+0.00 / -0.13	200.10	+0.12 / -0.00	6.30	+0.20 / -0.00	105.95
R190205059RZ	190.00	+0.00 / -0.13	190.00	3.45	5.90	-368	190.00	+0.00 / -0.13	205.10	+0.12 / -0.00	6.30	+0.20 / -0.00	113.55
R195210059RZ	195.00	+0.00 / -0.13	195.00	3.45	5.90	-369	195.00	+0.00 / -0.13	210.10	+0.12 / -0.00	6.30	+0.20 / -0.00	129.95
R200215059RZ	200.00	+0.00 / -0.13	200.00	3.45	5.90	-370	200.00	+0.00 / -0.13	215.10	+0.12 / -0.00	6.30	+0.20 / -0.00	137.45
R200220076RZ	200.00	+0.00 / -0.13	200.00	4.75	7.60	-445	200.00	+0.00 / -0.13	220.50	+0.12 / -0.00	8.10	+0.20 / -0.00	162.75
R205225076RZ	205.00	+0.00 / -0.13	205.00	4.75	7.60	-446	205.00	+0.00 / -0.13	225.50	+0.12 / -0.00	8.10	+0.20 / -0.00	163.85
R210230076RZ	210.00	+0.00 / -0.13	210.00	4.75	7.60	-446	210.00	+0.00 / -0.13	230.50	+0.12 / -0.00	8.10	+0.20 / -0.00	166.95
R220240076RZ	220.00	+0.00 / -0.13	220.00	4.75	7.60	-447	220.00	+0.00 / -0.13	240.50	+0.12 / -0.00	8.10	+0.20 / -0.00	170.90
R230250076RZ	230.00	+0.00 / -0.13	230.00	4.75	7.60	-448	230.00	+0.00 / -0.13	250.50	+0.12 / -0.00	8.10	+0.20 / -0.00	194.40
R240260076RZ	240.00	+0.00 / -0.13	240.00	4.75	7.60	-449	240.00	+0.00 / -0.13	260.50	+0.13 / -0.00	8.10	+0.20 / -0.00	216.30
R250270076RZ	250.00	+0.00 / -0.13	250.00	4.75	7.60	-449	250.00	+0.00 / -0.13	270.50	+0.13 / -0.00	8.10	+0.20 / -0.00	238.20
R260284076RZ	260.00	+0.00 / -0.13	260.00	6.50	7.60	-450	260.00	+0.00 / -0.13	284.00	+0.13 / -0.00	8.10	+0.20 / -0.00	250.25
R270294076RZ	270.00	+0.00 / -0.13	270.00	6.50	7.60	-451	270.00	+0.00 / -0.13	294.00	+0.13 / -0.00	8.10	+0.20 / -0.00	260.05

RZ SERIES - 40% BR. PTFE/NBR

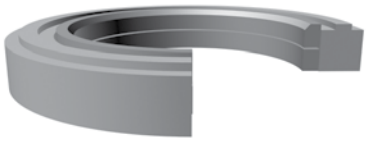
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R280304076RZ	280.00	+0.00 / -0.13	280.00	6.50	7.60	-452	280.00	+0.00 / -0.13	304.00	+0.13 / -0.00	8.10	+0.20 / -0.00	282.50
R290314076RZ	290.00	+0.00 / -0.13	290.00	6.50	7.60	-453	290.00	+0.00 / -0.13	314.00	+0.13 / -0.00	8.10	+0.20 / -0.00	291.50
R300324076RZ	300.00	+0.00 / -0.13	300.00	6.50	7.60	-454	300.00	+0.00 / -0.13	324.00	+0.13 / -0.00	8.10	+0.20 / -0.00	303.00
R310334076RZ	310.00	+0.00 / -0.13	310.00	6.50	7.60	-454	310.00	+0.00 / -0.13	334.00	+0.14 / -0.00	8.10	+0.20 / -0.00	308.50
R320344076RZ	320.00	+0.00 / -0.13	320.00	6.50	7.60	-455	320.00	+0.00 / -0.13	344.00	+0.14 / -0.00	8.10	+0.20 / -0.00	314.15
R330354076RZ	330.00	+0.00 / -0.13	330.00	6.50	7.60	-456	330.00	+0.00 / -0.13	354.00	+0.14 / -0.00	8.10	+0.20 / -0.00	334.40
R340364076RZ	340.00	+0.00 / -0.13	340.00	6.50	7.60	-457	340.00	+0.00 / -0.13	364.00	+0.14 / -0.00	8.10	+0.20 / -0.00	334.40
R350374076RZ	350.00	+0.00 / -0.13	350.00	6.50	7.60	-458	350.00	+0.00 / -0.13	374.00	+0.14 / -0.00	8.10	+0.20 / -0.00	346.55
R360384076RZ	360.00	+0.00 / -0.13	360.00	6.50	7.60	-458	360.00	+0.00 / -0.13	384.00	+0.14 / -0.00	8.10	+0.20 / -0.00	346.60
R370394076RZ	370.00	+0.00 / -0.13	370.00	6.50	7.60	-459	370.00	+0.00 / -0.13	394.00	+0.14 / -0.00	8.10	+0.20 / -0.00	357.90
R380404076RZ	380.00	+0.00 / -0.13	380.00	6.50	7.60	-460	380.00	+0.00 / -0.13	404.00	+0.14 / -0.00	8.10	+0.20 / -0.00	369.25
R390414076RZ	390.00	+0.00 / -0.13	390.00	6.50	7.60	-461	390.00	+0.00 / -0.13	414.00	+0.14 / -0.00	8.10	+0.20 / -0.00	394.90
R400424076RZ	400.00	+0.00 / -0.13	400.00	6.50	7.60	-461	400.00	+0.00 / -0.13	424.00	+0.14 / -0.00	8.10	+0.20 / -0.00	420.60
R410434076RZ	410.00	+0.00 / -0.13	410.00	6.50	7.60	-462	410.00	+0.00 / -0.13	434.00	+0.16 / -0.00	8.10	+0.20 / -0.00	432.35
R420444076RZ	420.00	+0.00 / -0.13	420.00	6.50	7.60	-463	420.00	+0.00 / -0.13	444.00	+0.16 / -0.00	8.10	+0.20 / -0.00	444.15
R430454076RZ	430.00	+0.00 / -0.13	430.00	6.50	7.60	-464	430.00	+0.00 / -0.13	454.00	+0.16 / -0.00	8.10	+0.20 / -0.00	455.20
R440464076RZ	440.00	+0.00 / -0.13	440.00	6.50	7.60	-464	440.00	+0.00 / -0.13	464.00	+0.16 / -0.00	8.10	+0.20 / -0.00	466.35
R450474076RZ	450.00	+0.00 / -0.13	450.00	6.50	7.60	-465	450.00	+0.00 / -0.13	474.00	+0.16 / -0.00	8.10	+0.20 / -0.00	471.80
R460484076RZ	460.00	+0.00 / -0.13	460.00	6.50	7.60	-466	460.00	+0.00 / -0.13	484.00	+0.16 / -0.00	8.10	+0.20 / -0.00	482.30
R470494076RZ	470.00	+0.00 / -0.13	470.00	6.50	7.60	-467	470.00	+0.00 / -0.13	494.00	+0.16 / -0.00	8.10	+0.20 / -0.00	497.00
R480504076RZ	480.00	+0.00 / -0.13	480.00	6.50	7.60	-468	480.00	+0.00 / -0.13	504.00	+0.16 / -0.00	8.10	+0.20 / -0.00	507.50
R490514076RZ	490.00	+0.00 / -0.13	490.00	6.50	7.60	-469	490.00	+0.00 / -0.13	514.00	+0.16 / -0.00	8.10	+0.20 / -0.00	600.95
R500524076RZ	500.00	+0.00 / -0.13	500.00	6.50	7.60	-469	500.00	+0.00 / -0.13	524.00	+0.16 / -0.00	8.10	+0.20 / -0.00	610.50

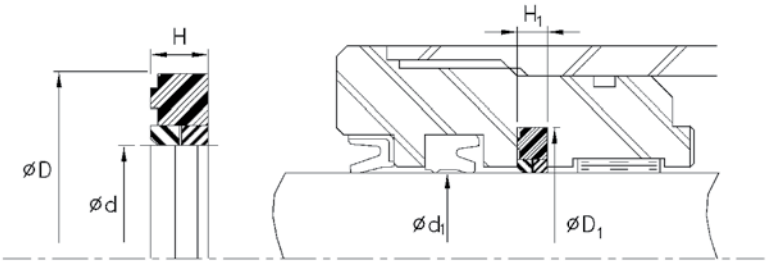
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



R12 - Buffer Seals

Nylon/PTFE/Nitrile



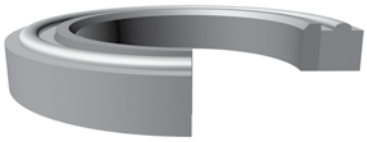


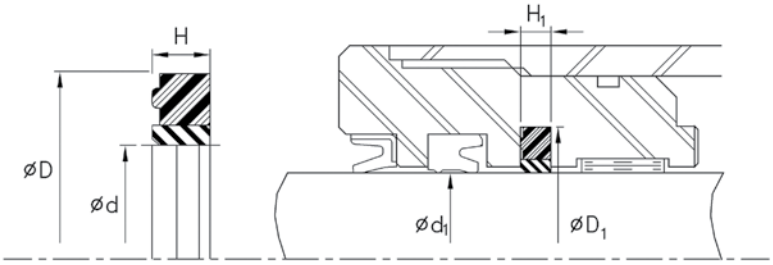
Temperature: -40/220F [-40/104C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R040055059R12	40.00	+0.00 / -0.05	40.00	55.50	5.90	40.00	+0.00 / -0.05	55.50	+0.19 / -0.00	6.30	+0.20 / -0.00	25.70
R045060059R12	45.00	+0.00 / -0.05	45.00	60.50	5.90	45.00	+0.00 / -0.05	60.50	+0.19 / -0.00	6.30	+0.20 / -0.00	27.80
R050065059R12	50.00	+0.00 / -0.05	50.00	65.50	5.90	50.00	+0.00 / -0.05	65.50	+0.19 / -0.00	6.30	+0.20 / -0.00	30.30
R055070059R12	55.00	+0.00 / -0.05	55.00	70.50	5.90	55.00	+0.00 / -0.05	70.50	+0.19 / -0.00	6.30	+0.20 / -0.00	32.55
R060075059R12	60.00	+0.00 / -0.05	60.00	75.50	5.90	60.00	+0.00 / -0.05	75.50	+0.19 / -0.00	6.30	+0.20 / -0.00	34.75
R065080059R12	65.00	+0.00 / -0.06	65.00	80.50	5.90	65.00	+0.00 / -0.06	80.50	+0.22 / -0.00	6.30	+0.20 / -0.00	37.25
R070085059R12	70.00	+0.00 / -0.06	70.00	85.50	5.90	70.00	+0.00 / -0.06	85.50	+0.22 / -0.00	6.30	+0.20 / -0.00	39.50
R075090059R12	75.00	+0.00 / -0.06	75.00	90.50	5.90	75.00	+0.00 / -0.06	90.50	+0.22 / -0.00	6.30	+0.20 / -0.00	41.80
R080095059R12	80.00	+0.00 / -0.09	80.00	95.50	5.90	80.00	+0.00 / -0.09	95.50	+0.22 / -0.00	6.30	+0.20 / -0.00	43.95
R085100059R12	85.00	+0.00 / -0.09	85.00	100.50	5.90	85.00	+0.00 / -0.09	100.50	+0.22 / -0.00	6.30	+0.20 / -0.00	46.40
R090105059R12	90.00	+0.00 / -0.09	90.00	105.50	5.90	90.00	+0.00 / -0.09	105.50	+0.22 / -0.00	6.30	+0.20 / -0.00	48.70
R095110059R12	95.00	+0.00 / -0.09	95.00	110.50	5.90	95.00	+0.00 / -0.09	110.50	+0.22 / -0.00	6.30	+0.20 / -0.00	50.95
R100115059R12	100.00	+0.00 / -0.09	100.00	115.50	5.90	100.00	+0.00 / -0.09	115.50	+0.22 / -0.00	6.30	+0.20 / -0.00	53.40
R105120059R12	105.00	+0.00 / -0.13	105.00	120.50	5.90	105.00	+0.00 / -0.13	120.50	+0.25 / -0.00	6.30	+0.20 / -0.00	55.65
R110125059R12	110.00	+0.00 / -0.13	110.00	125.50	5.90	110.00	+0.00 / -0.13	125.50	+0.25 / -0.00	6.30	+0.20 / -0.00	57.85
R115130059R12	115.00	+0.00 / -0.13	115.00	130.50	5.90	115.00	+0.00 / -0.13	130.50	+0.25 / -0.00	6.30	+0.20 / -0.00	60.05
R120135059R12	120.00	+0.00 / -0.13	120.00	135.50	5.90	120.00	+0.00 / -0.13	135.50	+0.25 / -0.00	6.30	+0.20 / -0.00	62.50
R125140059R12	125.00	+0.00 / -0.13	125.00	140.50	5.90	125.00	+0.00 / -0.13	140.50	+0.25 / -0.00	6.30	+0.20 / -0.00	64.70
R130145059R12	130.00	+0.00 / -0.13	130.00	145.50	5.90	130.00	+0.00 / -0.13	145.50	+0.25 / -0.00	6.30	+0.20 / -0.00	67.05
R135150059R12	135.00	+0.00 / -0.13	135.00	150.50	5.90	135.00	+0.00 / -0.13	150.50	+0.25 / -0.00	6.30	+0.20 / -0.00	69.50
R140155059R12	140.00	+0.00 / -0.13	140.00	155.50	5.90	140.00	+0.00 / -0.13	155.50	+0.25 / -0.00	6.30	+0.20 / -0.00	71.80
R145160059R12	145.00	+0.00 / -0.13	145.00	160.50	5.90	145.00	+0.00 / -0.13	160.50	+0.25 / -0.00	6.30	+0.20 / -0.00	74.00
R150165059R12	150.00	+0.00 / -0.13	150.00	165.50	5.90	150.00	+0.00 / -0.13	165.50	+0.25 / -0.00	6.30	+0.20 / -0.00	76.35
R155170059R12	155.00	+0.00 / -0.13	155.00	170.50	5.90	155.00	+0.00 / -0.13	170.50	+0.25 / -0.00	6.30	+0.20 / -0.00	77.80
R160175059R12	160.00	+0.00 / -0.13	160.00	175.50	5.90	160.00	+0.00 / -0.13	175.50	+0.25 / -0.00	6.30	+0.20 / -0.00	80.15
R165180059R12	165.00	+0.00 / -0.13	165.00	180.50	5.90	165.00	+0.00 / -0.13	180.50	+0.29 / -0.00	6.30	+0.20 / -0.00	82.55
R170185059R12	170.00	+0.00 / -0.13	170.00	185.50	5.90	170.00	+0.00 / -0.13	185.50	+0.29 / -0.00	6.30	+0.20 / -0.00	85.15

R14 - Buffer Seals

Nylon/Nitrile



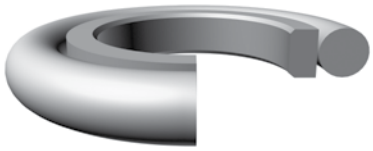


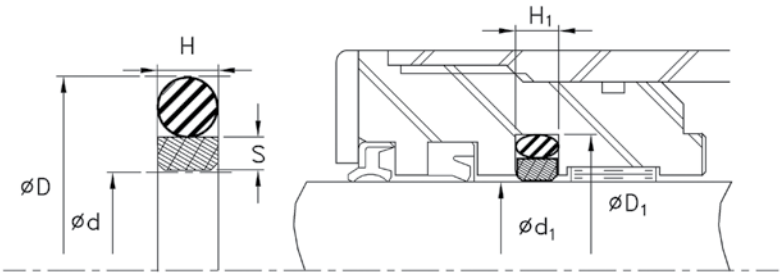
Temperature: -40/220F [-40/104C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R040055059R14	40.00	+0.00 / -0.05	40.00	55.50	5.90	40.00	+0.00 / -0.05	55.50	+0.19 / -0.00	6.30	+0.20 / -0.00	21.65
R045060059R14	45.00	+0.00 / -0.05	45.00	60.50	5.90	45.00	+0.00 / -0.05	60.50	+0.19 / -0.00	6.30	+0.20 / -0.00	23.25
R050065059R14	50.00	+0.00 / -0.05	50.00	65.50	5.90	50.00	+0.00 / -0.05	65.50	+0.19 / -0.00	6.30	+0.20 / -0.00	25.20
R055070059R14	55.00	+0.00 / -0.05	55.00	70.50	5.90	55.00	+0.00 / -0.05	70.50	+0.19 / -0.00	6.30	+0.20 / -0.00	27.50
R060075059R14	60.00	+0.00 / -0.05	60.00	75.50	5.90	60.00	+0.00 / -0.05	75.50	+0.19 / -0.00	6.30	+0.20 / -0.00	29.10
R065080059R14	65.00	+0.00 / -0.06	65.00	80.50	5.90	65.00	+0.00 / -0.06	80.50	+0.22 / -0.00	6.30	+0.20 / -0.00	31.05
R070085059R14	70.00	+0.00 / -0.06	70.00	85.50	5.90	70.00	+0.00 / -0.06	85.50	+0.22 / -0.00	6.30	+0.20 / -0.00	32.80
R075090059R14	75.00	+0.00 / -0.06	75.00	90.50	5.90	75.00	+0.00 / -0.06	90.50	+0.22 / -0.00	6.30	+0.20 / -0.00	34.55
R080095059R14	80.00	+0.00 / -0.09	80.00	95.50	5.90	80.00	+0.00 / -0.09	95.50	+0.22 / -0.00	6.30	+0.20 / -0.00	36.95
R085100059R14	85.00	+0.00 / -0.09	85.00	100.50	5.90	85.00	+0.00 / -0.09	100.50	+0.22 / -0.00	6.30	+0.20 / -0.00	38.60
R090105059R14	90.00	+0.00 / -0.09	90.00	105.50	5.90	90.00	+0.00 / -0.09	105.50	+0.22 / -0.00	6.30	+0.20 / -0.00	40.55
R095110059R14	95.00	+0.00 / -0.09	95.00	110.50	5.90	95.00	+0.00 / -0.09	110.50	+0.22 / -0.00	6.30	+0.20 / -0.00	42.20
R100115059R14	100.00	+0.00 / -0.09	100.00	115.50	5.90	100.00	+0.00 / -0.09	115.50	+0.22 / -0.00	6.30	+0.20 / -0.00	44.55
R105120059R14	105.00	+0.00 / -0.13	105.00	120.50	5.90	105.00	+0.00 / -0.13	120.50	+0.25 / -0.00	6.30	+0.20 / -0.00	46.75
R110125059R14	110.00	+0.00 / -0.13	110.00	125.50	5.90	110.00	+0.00 / -0.13	125.50	+0.25 / -0.00	6.30	+0.20 / -0.00	48.85
R115130059R14	115.00	+0.00 / -0.13	115.00	130.50	5.90	115.00	+0.00 / -0.13	130.50	+0.25 / -0.00	6.30	+0.20 / -0.00	51.10
R120135059R14	120.00	+0.00 / -0.13	120.00	135.50	5.90	120.00	+0.00 / -0.13	135.50	+0.25 / -0.00	6.30	+0.20 / -0.00	53.25
R125140059R14	125.00	+0.00 / -0.13	125.00	140.50	5.90	125.00	+0.00 / -0.13	140.50	+0.25 / -0.00	6.30	+0.20 / -0.00	55.05
R130145059R14	130.00	+0.00 / -0.13	130.00	145.50	5.90	130.00	+0.00 / -0.13	145.50	+0.25 / -0.00	6.30	+0.20 / -0.00	57.25
R135150059R14	135.00	+0.00 / -0.13	135.00	150.50	5.90	135.00	+0.00 / -0.13	150.50	+0.25 / -0.00	6.30	+0.20 / -0.00	59.40
R140155059R14	140.00	+0.00 / -0.13	140.00	155.50	5.90	140.00	+0.00 / -0.13	155.50	+0.25 / -0.00	6.30	+0.20 / -0.00	61.55
R145160059R14	145.00	+0.00 / -0.13	145.00	160.50	5.90	145.00	+0.00 / -0.13	160.50	+0.25 / -0.00	6.30	+0.20 / -0.00	63.95
R150165059R14	150.00	+0.00 / -0.13	150.00	165.50	5.90	150.00	+0.00 / -0.13	165.50	+0.25 / -0.00	6.30	+0.20 / -0.00	65.75
R155170059R14	155.00	+0.00 / -0.13	155.00	170.50	5.90	155.00	+0.00 / -0.13	170.50	+0.25 / -0.00	6.30	+0.20 / -0.00	68.10
R160175059R14	160.00	+0.00 / -0.13	160.00	175.50	5.90	160.00	+0.00 / -0.13	175.50	+0.25 / -0.00	6.30	+0.20 / -0.00	70.15
R165180059R14	165.00	+0.00 / -0.13	165.00	180.50	5.90	165.00	+0.00 / -0.13	180.50	+0.29 / -0.00	6.30	+0.20 / -0.00	72.20
R170185059R14	170.00	+0.00 / -0.13	170.00	185.50	5.90	170.00	+0.00 / -0.13	185.50	+0.29 / -0.00	6.30	+0.20 / -0.00	74.55

RX - Buffer Seals

40% BR. PTFE/Nitrile





Temperature: -30/250F [-34/121C] **Pressure: 5800 PSI [400 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R003007020RX	3.00	+0.00 / -0.04	3.00	1.05	2.00	-008	3.00	+0.00 / -0.04	7.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.25
R004008020RX	4.00	+0.00 / -0.04	4.00	1.05	2.00	-010	4.00	+0.00 / -0.04	8.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.25
R005009020RX	5.00	+0.00 / -0.04	5.00	1.05	2.00	-011	5.00	+0.00 / -0.04	9.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.25
R006010020RX	6.00	+0.00 / -0.04	6.00	1.05	2.00	-011	6.00	+0.00 / -0.04	10.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.25
R007011020RX	7.00	+0.00 / -0.04	7.00	1.05	2.00	-012	7.00	+0.00 / -0.04	11.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.25
R008012020RX	8.00	+0.00 / -0.04	8.00	1.05	2.00	-012	8.00	+0.00 / -0.04	12.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.40
R008015029RX	8.00	+0.00 / -0.04	8.00	1.65	2.93	-111	8.00	+0.00 / -0.04	15.30	+0.04 / -0.00	3.20	+0.20 / -0.00	10.40
R010014020RX	10.00	+0.00 / -0.04	10.00	1.05	2.00	-014	10.00	+0.00 / -0.04	14.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.40
R010017029RX	10.00	+0.00 / -0.04	10.00	1.65	2.93	-112	10.00	+0.00 / -0.04	17.30	+0.04 / -0.00	3.20	+0.20 / -0.00	10.40
R012016020RX	12.00	+0.00 / -0.04	12.00	1.05	2.00	-015	12.00	+0.00 / -0.04	16.90	+0.04 / -0.00	2.20	+0.20 / -0.00	10.60
R012019029RX	12.00	+0.00 / -0.04	12.00	1.65	2.93	-113	12.00	+0.00 / -0.04	19.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.60
R014018020RX	14.00	+0.00 / -0.04	14.00	1.05	2.00	-016	14.00	+0.00 / -0.04	18.90	+0.05 / -0.00	2.20	+0.20 / -0.00	10.75
R014021029RX	14.00	+0.00 / -0.04	14.00	1.65	2.93	-114	14.00	+0.00 / -0.04	21.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.75
R015019020RX	15.00	+0.00 / -0.04	15.00	1.05	2.00	-017	15.00	+0.00 / -0.04	19.90	+0.05 / -0.00	2.20	+0.20 / -0.00	10.75
R015022029RX	15.00	+0.00 / -0.04	15.00	1.65	2.93	-116	15.00	+0.00 / -0.04	22.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.75
R016020020RX	16.00	+0.00 / -0.04	16.00	1.05	2.00	-017	16.00	+0.00 / -0.04	20.90	+0.05 / -0.00	2.20	+0.20 / -0.00	10.95
R016023029RX	16.00	+0.00 / -0.04	16.00	1.65	2.93	-116	16.00	+0.00 / -0.04	23.30	+0.05 / -0.00	3.20	+0.20 / -0.00	10.95
R018022020RX	18.00	+0.00 / -0.04	18.00	1.05	2.00	-019	18.00	+0.00 / -0.04	22.90	+0.05 / -0.00	2.20	+0.20 / -0.00	11.25
R018025029RX	18.00	+0.00 / -0.04	18.00	1.65	2.93	-118	18.00	+0.00 / -0.04	25.30	+0.05 / -0.00	3.20	+0.20 / -0.00	11.25
R020027029RX	20.00	+0.00 / -0.04	20.00	1.65	2.93	-119	20.00	+0.00 / -0.04	27.30	+0.05 / -0.00	3.20	+0.20 / -0.00	12.75
R020030039RX	20.00	+0.00 / -0.04	20.00	2.65	3.93	-214	20.00	+0.00 / -0.04	30.70	+0.06 / -0.00	4.20	+0.20 / -0.00	12.75
R022029029RX	22.00	+0.00 / -0.04	22.00	1.65	2.93	-120	22.00	+0.00 / -0.04	29.30	+0.05 / -0.00	3.20	+0.20 / -0.00	12.85
R022032039RX	22.00	+0.00 / -0.04	22.00	2.65	3.93	-215	22.00	+0.00 / -0.04	32.70	+0.06 / -0.00	4.20	+0.20 / -0.00	12.85
R024034039RX	24.00	+0.00 / -0.04	24.00	2.65	3.93	-216	24.00	+0.00 / -0.04	34.70	+0.06 / -0.00	4.20	+0.20 / -0.00	13.20
R025032029RX	25.00	+0.00 / -0.04	25.00	1.65	2.93	-122	25.00	+0.00 / -0.04	32.30	+0.06 / -0.00	3.20	+0.20 / -0.00	13.65
R025035039RX	25.00	+0.00 / -0.04	25.00	2.65	3.93	-217	25.00	+0.00 / -0.04	35.70	+0.06 / -0.00	4.20	+0.20 / -0.00	13.65
R026036039RX	26.00	+0.00 / -0.04	26.00	2.65	3.93	-218	26.00	+0.00 / -0.04	36.70	+0.06 / -0.00	4.20	+0.20 / -0.00	13.65
R028035029RX	28.00	+0.00 / -0.04	28.00	1.65	2.93	-124	28.00	+0.00 / -0.04	35.50	+0.06 / -0.00	3.20	+0.20 / -0.00	14.20
R028038039RX	28.00	+0.00 / -0.04	28.00	2.65	3.93	-219	28.00	+0.00 / -0.04	38.70	+0.06 / -0.00	4.20	+0.20 / -0.00	14.20
R030037029RX	30.00	+0.00 / -0.04	30.00	1.65	2.93	-125	30.00	+0.00 / -0.04	37.30	+0.06 / -0.00	3.20	+0.20 / -0.00	15.15
R030040039RX	30.00	+0.00 / -0.04	30.00	2.65	3.93	-220	30.00	+0.00 / -0.04	40.70	+0.06 / -0.00	4.20	+0.20 / -0.00	15.15
R032036020RX	32.00	+0.00 / -0.04	32.00	1.05	2.00	-027	32.00	+0.00 / -0.04	36.90	+0.06 / -0.00	2.20	+0.20 / -0.00	16.00
R032039029RX	32.00	+0.00 / -0.04	32.00	1.65	2.93	-126	32.00	+0.00 / -0.04	39.30	+0.06 / -0.00	3.20	+0.20 / -0.00	16.00
R032042039RX	32.00	+0.00 / -0.04	32.00	2.65	3.93	-221	32.00	+0.00 / -0.04	42.70	+0.06 / -0.00	4.20	+0.20 / -0.00	16.00
R035042029RX	35.00	+0.00 / -0.04	35.00	1.65	2.93	-128	35.00	+0.00 / -0.04	42.30	+0.06 / -0.00	3.20	+0.20 / -0.00	17.95
R035045039RX	35.00	+0.00 / -0.04	35.00	2.65	3.93	-222	35.00	+0.00 / -0.04	45.70	+0.06 / -0.00	4.20	+0.20 / -0.00	17.95
R036043029RX	36.00	+0.00 / -0.04	36.00	1.65	2.93	-129	36.00	+0.00 / -0.04	43.30	+0.06 / -0.00	3.20	+0.20 / -0.00	18.60
R036046039RX	36.00	+0.00 / -0.04	36.00	2.65	3.93	-223	36.00	+0.00 / -0.04	46.70	+0.06 / -0.00	4.20	+0.20 / -0.00	18.60

RX SERIES - 40% BR. PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R038048039RX	38.00	+0.00 / -0.04	38.00	2.65	3.93	-224	38.00	+0.00 / -0.04	48.70	+0.06 / -0.00	4.20	+0.20 / -0.00	28.95
R040047029RX	40.00	+0.00 / -0.05	40.00	1.65	2.93	-130	40.00	+0.00 / -0.05	47.30	+0.06 / -0.00	2.90	+0.20 / -0.00	30.15
R040050039RX	40.00	+0.00 / -0.05	40.00	2.65	3.93	-224	40.00	+0.00 / -0.05	50.70	+0.07 / -0.00	4.20	+0.20 / -0.00	30.15
R040055059RX	40.00	+0.00 / -0.05	40.00	3.50	5.90	-328	40.00	+0.00 / -0.05	55.10	+0.07 / -0.00	6.30	+0.20 / -0.00	30.15
R042057059RX	42.00	+0.00 / -0.05	42.00	3.50	5.90	-328	42.00	+0.00 / -0.05	57.10	+0.07 / -0.00	6.30	+0.20 / -0.00	31.25
R043053039RX	43.00	+0.00 / -0.05	43.00	2.65	3.93	-225	43.00	+0.00 / -0.05	53.70	+0.07 / -0.00	4.20	+0.20 / -0.00	32.85
R043058059RX	43.00	+0.00 / -0.05	43.00	3.50	5.90	-328	43.00	+0.00 / -0.05	58.10	+0.07 / -0.00	6.30	+0.20 / -0.00	32.85
R045052029RX	45.00	+0.00 / -0.05	45.00	1.65	2.93	-134	45.00	+0.00 / -0.05	52.30	+0.07 / -0.00	3.20	+0.20 / -0.00	33.85
R045055039RX	45.00	+0.00 / -0.05	45.00	2.65	3.93	-226	45.00	+0.00 / -0.05	55.70	+0.07 / -0.00	4.20	+0.20 / -0.00	33.85
R045060059RX	45.00	+0.00 / -0.05	45.00	3.50	5.90	-329	45.00	+0.00 / -0.05	60.10	+0.07 / -0.00	6.30	+0.20 / -0.00	33.85
R046056039RX	46.00	+0.00 / -0.05	46.00	2.65	3.93	-226	46.00	+0.00 / -0.05	56.70	+0.07 / -0.00	4.20	+0.20 / -0.00	34.15
R048063059RX	48.00	+0.00 / -0.05	48.00	3.50	5.90	-330	48.00	+0.00 / -0.05	63.10	+0.07 / -0.00	6.30	+0.20 / -0.00	34.60
R050060039RX	50.00	+0.00 / -0.05	50.00	2.65	3.93	-227	50.00	+0.00 / -0.05	60.70	+0.07 / -0.00	4.20	+0.20 / -0.00	35.80
R050065059RX	50.00	+0.00 / -0.05	50.00	3.50	5.90	-331	50.00	+0.00 / -0.05	65.10	+0.07 / -0.00	6.30	+0.20 / -0.00	35.80
R052067059RX	52.00	+0.00 / -0.05	52.00	3.50	5.90	-331	52.00	+0.00 / -0.05	67.10	+0.07 / -0.00	6.30	+0.20 / -0.00	38.60
R053068059RX	53.00	+0.00 / -0.05	53.00	3.50	5.90	-331	53.00	+0.00 / -0.05	68.10	+0.07 / -0.00	6.30	+0.20 / -0.00	38.70
R055065039RX	55.00	+0.00 / -0.05	55.00	2.65	3.93	-229	55.00	+0.00 / -0.05	65.70	+0.07 / -0.00	4.20	+0.20 / -0.00	38.70
R055070059RX	55.00	+0.00 / -0.05	55.00	3.50	5.90	-332	55.00	+0.00 / -0.05	70.10	+0.07 / -0.00	6.30	+0.20 / -0.00	38.70
R056066039RX	56.00	+0.00 / -0.05	56.00	2.65	3.93	-229	56.00	+0.00 / -0.05	66.70	+0.07 / -0.00	4.20	+0.20 / -0.00	39.50
R056071059RX	56.00	+0.00 / -0.05	56.00	3.50	5.90	-333	56.00	+0.00 / -0.05	71.10	+0.07 / -0.00	6.30	+0.20 / -0.00	39.50
R058073059RX	58.00	+0.00 / -0.05	58.00	3.50	5.90	-333	58.00	+0.00 / -0.05	73.10	+0.07 / -0.00	6.30	+0.20 / -0.00	42.95
R060070039RX	60.00	+0.00 / -0.05	60.00	2.65	3.93	-230	60.00	+0.00 / -0.05	70.70	+0.07 / -0.00	4.20	+0.20 / -0.00	42.95
R060075059RX	60.00	+0.00 / -0.05	60.00	3.50	5.90	-334	60.00	+0.00 / -0.05	75.10	+0.07 / -0.00	6.30	+0.20 / -0.00	42.95
R063073039RX	63.00	+0.00 / -0.05	63.00	2.65	3.93	-231	63.00	+0.00 / -0.05	73.70	+0.07 / -0.00	4.20	+0.20 / -0.00	44.55
R063078059RX	63.00	+0.00 / -0.05	63.00	3.50	5.90	-335	63.00	+0.00 / -0.05	78.10	+0.07 / -0.00	6.30	+0.20 / -0.00	44.55
R065080059RX	65.00	+0.00 / -0.06	65.00	3.50	5.90	-335	65.00	+0.00 / -0.06	80.10	+0.09 / -0.00	6.30	+0.20 / -0.00	45.20
R070085059RX	70.00	+0.00 / -0.06	70.00	3.50	5.90	-337	70.00	+0.00 / -0.06	85.10	+0.09 / -0.00	6.30	+0.20 / -0.00	46.35
R075085039RX	75.00	+0.00 / -0.06	75.00	2.65	3.93	-235	75.00	+0.00 / -0.06	85.70	+0.09 / -0.00	4.20	+0.20 / -0.00	46.50
R075090059RX	75.00	+0.00 / -0.06	75.00	3.50	5.90	-339	75.00	+0.00 / -0.06	90.10	+0.09 / -0.00	6.30	+0.20 / -0.00	46.50
R080090039RX	80.00	+0.00 / -0.09	80.00	2.65	3.93	-237	80.00	+0.00 / -0.09	90.70	+0.09 / -0.00	4.20	+0.20 / -0.00	47.15
R080095059RX	80.00	+0.00 / -0.09	80.00	3.50	5.90	-340	80.00	+0.00 / -0.09	95.10	+0.09 / -0.00	6.30	+0.20 / -0.00	47.15
R085100059RX	85.00	+0.00 / -0.09	85.00	3.50	5.90	-342	85.00	+0.00 / -0.09	100.10	+0.09 / -0.00	6.30	+0.20 / -0.00	50.40
R090097029RX	90.00	+0.00 / -0.09	90.00	1.65	2.93	-154	90.00	+0.00 / -0.09	97.30	+0.09 / -0.00	3.20	+0.20 / -0.00	56.90
R090100039RX	90.00	+0.00 / -0.09	90.00	2.65	3.93	-240	90.00	+0.00 / -0.09	100.70	+0.09 / -0.00	4.20	+0.20 / -0.00	56.90
R090105059RX	90.00	+0.00 / -0.09	90.00	3.50	5.90	-344	90.00	+0.00 / -0.09	105.10	+0.09 / -0.00	6.30	+0.20 / -0.00	56.90
R095110059RX	95.00	+0.00 / -0.09	95.00	3.50	5.90	-345	95.00	+0.00 / -0.09	110.10	+0.09 / -0.00	6.30	+0.20 / -0.00	60.10
R100110039RX	100.00	+0.00 / -0.09	100.00	2.65	3.93	-243	100.00	+0.00 / -0.09	110.70	+0.09 / -0.00	4.20	+0.20 / -0.00	61.60
R100115059RX	100.00	+0.00 / -0.09	100.00	3.50	5.90	-347	100.00	+0.00 / -0.09	115.10	+0.09 / -0.00	6.30	+0.20 / -0.00	61.60
R105120059RX	105.00	+0.00 / -0.13	105.00	3.50	5.90	-348	105.00	+0.00 / -0.13	120.10	+0.10 / -0.00	6.30	+0.20 / -0.00	62.25
R110125059RX	110.00	+0.00 / -0.13	110.00	3.50	5.90	-350	110.00	+0.00 / -0.13	125.10	+0.10 / -0.00	6.30	+0.20 / -0.00	71.20
R115130059RX	115.00	+0.00 / -0.13	115.00	3.50	5.90	-351	115.00	+0.00 / -0.13	130.10	+0.10 / -0.00	6.30	+0.20 / -0.00	80.00
R120135059RX	120.00	+0.00 / -0.13	120.00	3.50	5.90	-353	120.00	+0.00 / -0.13	135.10	+0.10 / -0.00	6.30	+0.20 / -0.00	85.50
R120140076RX	120.00	+0.00 / -0.13	120.00	4.90	7.60	-430	120.00	+0.00 / -0.13	140.50	+0.10 / -0.00	8.10	+0.20 / -0.00	85.50
R125140059RX	125.00	+0.00 / -0.13	125.00	3.50	5.90	-355	125.00	+0.00 / -0.13	140.10	+0.10 / -0.00	6.30	+0.20 / -0.00	89.70
R125145076RX	125.00	+0.00 / -0.13	125.00	4.90	7.60	-430	125.00	+0.00 / -0.13	145.50	+0.10 / -0.00	8.10	+0.20 / -0.00	89.70
R130145059RX	130.00	+0.00 / -0.13	130.00	3.50	5.90	-356	130.00	+0.00 / -0.13	145.10	+0.10 / -0.00	6.30	+0.20 / -0.00	97.20
R130150076RX	130.00	+0.00 / -0.13	130.00	4.90	7.60	-432	130.00	+0.00 / -0.13	150.50	+0.10 / -0.00	8.10	+0.20 / -0.00	97.20
R135150059RX	135.00	+0.00 / -0.13	135.00	3.50	5.90	-358	135.00	+0.00 / -0.13	150.10	+0.10 / -0.00	6.30	+0.20 / -0.00	97.20

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R140155059RX	140.00	+0.00 / -0.13	140.00	3.50	5.90	-359	140.00	+0.00 / -0.13	155.10	+0.10 / -0.00	6.30	+0.20 / -0.00	109.05
R140160076RX	140.00	+0.00 / -0.13	140.00	4.90	7.60	-435	140.00	+0.00 / -0.13	160.50	+0.10 / -0.00	8.10	+0.20 / -0.00	109.05
R145160059RX	145.00	+0.00 / -0.13	145.00	3.50	5.90	-437	145.00	+0.00 / -0.13	160.10	+0.10 / -0.00	6.30	+0.20 / -0.00	126.25
R150165059RX	150.00	+0.00 / -0.13	150.00	3.50	5.90	-362	150.00	+0.00 / -0.13	165.10	+0.10 / -0.00	6.30	+0.20 / -0.00	143.45
R160175059RX	160.00	+0.00 / -0.13	160.00	3.50	5.90	-363	160.00	+0.00 / -0.13	175.10	+0.10 / -0.00	6.30	+0.20 / -0.00	153.20
R160180076RX	160.00	+0.00 / -0.13	160.00	4.90	7.60	-439	160.00	+0.00 / -0.13	180.50	+0.12 / -0.00	8.10	+0.20 / -0.00	153.20
R165180059RX	165.00	+0.00 / -0.13	165.00	3.50	5.90	-364	165.00	+0.00 / -0.13	180.10	+0.12 / -0.00	6.30	+0.20 / -0.00	165.50
R170185059RX	170.00	+0.00 / -0.13	170.00	3.50	5.90	-365	170.00	+0.00 / -0.13	185.10	+0.12 / -0.00	6.30	+0.20 / -0.00	169.30
R170190076RX	170.00	+0.00 / -0.13	170.00	4.90	7.60	-441	170.00	+0.00 / -0.13	190.50	+0.12 / -0.00	8.10	+0.20 / -0.00	169.30
R175190059RX	175.00	+0.00 / -0.13	175.00	3.50	5.90	-366	175.00	+0.00 / -0.13	190.10	+0.12 / -0.00	6.30	+0.20 / -0.00	169.30
R180195059RX	180.00	+0.00 / -0.13	180.00	3.50	5.90	-366	180.00	+0.00 / -0.13	195.10	+0.12 / -0.00	6.30	+0.20 / -0.00	174.35
R180200076RX	180.00	+0.00 / -0.13	180.00	4.90	7.60	-443	180.00	+0.00 / -0.13	200.50	+0.12 / -0.00	8.10	+0.20 / -0.00	174.35
R185200059RX	185.00	+0.00 / -0.13	185.00	3.50	5.90	-367	185.00	+0.00 / -0.13	200.10	+0.12 / -0.00	6.30	+0.20 / -0.00	190.10
R190205059RX	190.00	+0.00 / -0.13	190.00	3.50	5.90	-368	190.00	+0.00 / -0.13	205.10	+0.12 / -0.00	6.30	+0.20 / -0.00	203.75
R190210076RX	190.00	+0.00 / -0.13	190.00	4.90	7.60	-444	190.00	+0.00 / -0.13	210.50	+0.12 / -0.00	8.10	+0.20 / -0.00	203.75
R195210059RX	195.00	+0.00 / -0.13	195.00	3.50	5.90	-369	195.00	+0.00 / -0.13	210.10	+0.12 / -0.00	6.30	+0.20 / -0.00	233.15
R200215059RX	200.00	+0.00 / -0.13	200.00	3.50	5.90	-369	200.00	+0.00 / -0.13	215.10	+0.12 / -0.00	6.30	+0.20 / -0.00	246.60
R200220076RX	200.00	+0.00 / -0.13	200.00	4.90	7.60	-445	200.00	+0.00 / -0.13	220.50	+0.12 / -0.00	8.10	+0.20 / -0.00	246.60
R205225076RX	205.00	+0.00 / -0.13	205.00	4.90	7.60	-446	205.00	+0.00 / -0.13	225.50	+0.12 / -0.00	8.10	+0.20 / -0.00	248.30
R210230076RX	210.00	+0.00 / -0.13	210.00	4.90	7.60	-446	210.00	+0.00 / -0.13	230.50	+0.12 / -0.00	8.10	+0.20 / -0.00	252.95
R215235076RX	215.00	+0.00 / -0.13	215.00	4.90	7.60	222.00 X 7.00	215.00	+0.00 / -0.13	235.50	+0.12 / -0.00	8.10	+0.20 / -0.00	252.95
R220240076RX	220.00	+0.00 / -0.13	220.00	4.90	7.60	-447	220.00	+0.00 / -0.13	240.50	+0.12 / -0.00	8.10	+0.20 / -0.00	258.90
R225245076RX	225.00	+0.00 / -0.13	225.00	4.90	7.60	234.00 X 7.00	225.00	+0.00 / -0.13	245.50	+0.12 / -0.00	8.10	+0.20 / -0.00	294.55
R230250076RX	230.00	+0.00 / -0.13	230.00	4.90	7.60	-448	230.00	+0.00 / -0.13	250.50	+0.13 / -0.00	8.10	+0.20 / -0.00	294.55
R235255076RX	235.00	+0.00 / -0.13	235.00	4.90	7.60	-448	235.00	+0.00 / -0.13	255.50	+0.13 / -0.00	8.10	+0.20 / -0.00	310.20
R240260076RX	240.00	+0.00 / -0.13	240.00	4.90	7.60	-449	240.00	+0.00 / -0.13	260.50	+0.13 / -0.00	8.10	+0.20 / -0.00	327.65
R245265076RX	245.00	+0.00 / -0.13	245.00	4.90	7.60	-449	245.00	+0.00 / -0.13	265.50	+0.13 / -0.00	8.10	+0.20 / -0.00	346.05
R250270076RX	250.00	+0.00 / -0.13	250.00	4.90	7.60	-449	250.00	+0.00 / -0.13	270.50	+0.13 / -0.00	8.10	+0.20 / -0.00	360.95
R255275076RX	255.00	+0.00 / -0.13	255.00	4.90	7.60	260.00 X 7.00	255.00	+0.00 / -0.13	275.50	+0.13 / -0.00	8.10	+0.20 / -0.00	372.00
R260284076RX	260.00	+0.00 / -0.13	260.00	6.65	7.60	-450	260.00	+0.00 / -0.13	284.00	+0.13 / -0.00	8.10	+0.20 / -0.00	379.20
R265289076RX	265.00	+0.00 / -0.13	265.00	6.65	7.60	272.00 X 7.00	265.00	+0.00 / -0.13	289.00	+0.13 / -0.00	8.10	+0.20 / -0.00	386.45
R270294076RX	270.00	+0.00 / -0.13	270.00	6.65	7.60	-451	270.00	+0.00 / -0.13	294.00	+0.13 / -0.00	8.10	+0.20 / -0.00	393.90
R275299076RX	275.00	+0.00 / -0.13	275.00	6.65	7.60	285.00 X 7.00	275.00	+0.00 / -0.13	299.00	+0.13 / -0.00	8.10	+0.20 / -0.00	411.60
R280304076RX	280.00	+0.00 / -0.13	280.00	6.65	7.60	-452	280.00	+0.00 / -0.13	304.00	+0.13 / -0.00	8.10	+0.20 / -0.00	428.05
R285309076RX	285.00	+0.00 / -0.13	285.00	6.65	7.60	298.00 X 7.00	285.00	+0.00 / -0.13	309.00	+0.13 / -0.00	8.10	+0.20 / -0.00	436.30
R290314076RX	290.00	+0.00 / -0.13	290.00	6.65	7.60	-453	290.00	+0.00 / -0.13	314.00	+0.13 / -0.00	8.10	+0.20 / -0.00	441.65
R295319076RX	295.00	+0.00 / -0.13	295.00	6.65	7.60	-453	295.00	+0.00 / -0.13	319.00	+0.14 / -0.00	8.10	+0.20 / -0.00	447.00
R300324076RX	300.00	+0.00 / -0.13	300.00	6.65	7.60	-454	300.00	+0.00 / -0.13	324.00	+0.14 / -0.00	8.10	+0.20 / -0.00	459.00
R310334076RX	310.00	+0.00 / -0.13	310.00	6.65	7.60	-454	310.00	+0.00 / -0.13	334.00	+0.14 / -0.00	8.10	+0.20 / -0.00	471.40
R320344076RX	320.00	+0.00 / -0.13	320.00	6.65	7.60	-455	320.00	+0.00 / -0.13	344.00	+0.14 / -0.00	8.10	+0.20 / -0.00	475.95
R325349076RX	325.00	+0.00 / -0.13	325.00	6.65	7.60	336.00 X 7.00	325.00	+0.00 / -0.13	349.00	+0.14 / -0.00	8.10	+0.20 / -0.00	482.75
R330354076RX	330.00	+0.00 / -0.13	330.00	6.65	7.60	-456	330.00	+0.00 / -0.13	354.00	+0.14 / -0.00	8.10	+0.20 / -0.00	506.65
R340364076RX	340.00	+0.00 / -0.13	340.00	6.65	7.60	-457	340.00	+0.00 / -0.13	364.00	+0.14 / -0.00	8.10	+0.20 / -0.00	506.65
R350374076RX	350.00	+0.00 / -0.13	350.00	6.65	7.60	-458	350.00	+0.00 / -0.13	374.00	+0.14 / -0.00	8.10	+0.20 / -0.00	524.95
R360384076RX	360.00	+0.00 / -0.13	360.00	6.65	7.60	-458	360.00	+0.00 / -0.13	384.00	+0.14 / -0.00	8.10	+0.20 / -0.00	525.15
R370394076RX	370.00	+0.00 / -0.13	370.00	6.65	7.60	-459	370.00	+0.00 / -0.13	394.00	+0.14 / -0.00	8.10	+0.20 / -0.00	542.15
R375399076RX	375.00	+0.00 / -0.13	375.00	6.65	7.60	387.00 X 7.00	375.00	+0.00 / -0.13	399.00	+0.14 / -0.00	8.10	+0.20 / -0.00	550.35
R380404076RX	380.00	+0.00 / -0.13	380.00	6.65	7.60	-460	380.00	+0.00 / -0.13	404.00	+0.16 / -0.00	8.10	+0.20 / -0.00	559.40

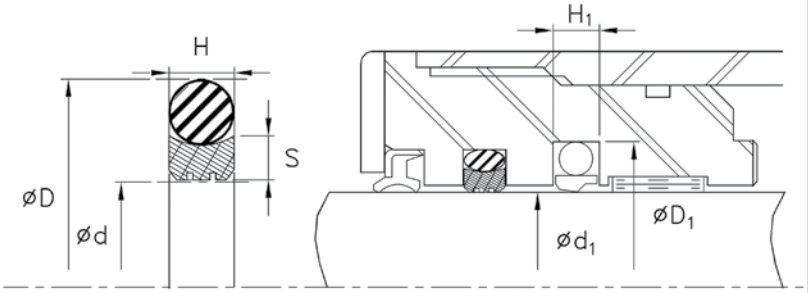
RX SERIES - 40% BR. PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	EXP.	d1	Tol.	D1	Tol.	H1	Tol.	
R390414076RX	390.00	+0.00 / -0.13	390.00	6.65	7.60	-461	390.00	+0.00 / -0.13	414.00	+0.16 / -0.00	8.10	+0.20 / -0.00	598.25
R400424076RX	400.00	+0.00 / -0.13	400.00	6.65	7.60	-461	400.00	+0.00 / -0.13	424.00	+0.16 / -0.00	8.10	+0.20 / -0.00	637.25
R410434076RX	410.00	+0.00 / -0.13	410.00	6.65	7.60	-462	410.00	+0.00 / -0.13	434.00	+0.16 / -0.00	8.10	+0.20 / -0.00	655.10
R420444076RX	420.00	+0.00 / -0.13	420.00	6.65	7.60	-463	420.00	+0.00 / -0.13	444.00	+0.16 / -0.00	8.10	+0.20 / -0.00	672.95
R425450076RX	425.00	+0.00 / -0.13	425.00	6.65	7.60	437.00 X 7.00	425.00	+0.00 / -0.13	449.00	+0.16 / -0.00	8.10	+0.20 / -0.00	683.50
R430454076RX	430.00	+0.00 / -0.13	430.00	6.65	7.60	-464	430.00	+0.00 / -0.13	454.00	+0.16 / -0.00	8.10	+0.20 / -0.00	689.70
R440464076RX	440.00	+0.00 / -0.13	440.00	6.65	7.60	-464	440.00	+0.00 / -0.13	464.00	+0.16 / -0.00	8.10	+0.20 / -0.00	706.55
R450474076RX	450.00	+0.00 / -0.13	450.00	6.65	7.60	-466	450.00	+0.00 / -0.13	474.00	+0.16 / -0.00	8.10	+0.20 / -0.00	727.90
R460484076RX	460.00	+0.00 / -0.13	460.00	6.65	7.60	-466	460.00	+0.00 / -0.13	484.00	+0.16 / -0.00	8.10	+0.20 / -0.00	738.25
R470494076RX	470.00	+0.00 / -0.13	470.00	6.65	7.60	-467	470.00	+0.00 / -0.13	494.00	+0.16 / -0.00	8.10	+0.20 / -0.00	753.05
R475499076RX	475.00	+0.00 / -0.13	475.00	6.65	7.60	487.00 X 7.00	475.00	+0.00 / -0.13	499.00	+0.16 / -0.00	8.10	+0.20 / -0.00	762.85
R480504076RX	480.00	+0.00 / -0.13	480.00	6.65	7.60	-468	480.00	+0.00 / -0.13	504.00	+0.16 / -0.00	8.10	+0.20 / -0.00	768.95
R490514076RX	490.00	+0.00 / -0.13	490.00	6.65	7.60	-469	490.00	+0.00 / -0.13	514.00	+0.16 / -0.00	8.10	+0.20 / -0.00	910.60
R500524076RX	500.00	+0.00 / -0.13	500.00	6.65	7.60	-469	500.00	+0.00 / -0.13	524.00	+0.16 / -0.00	8.10	+0.20 / -0.00	921.80

R16 - Rod Seals

40% BR. PTFE/NBR





Temperature: -30/250F [-34/121C] **Pressure: 5800 PSI [400 Bar]**

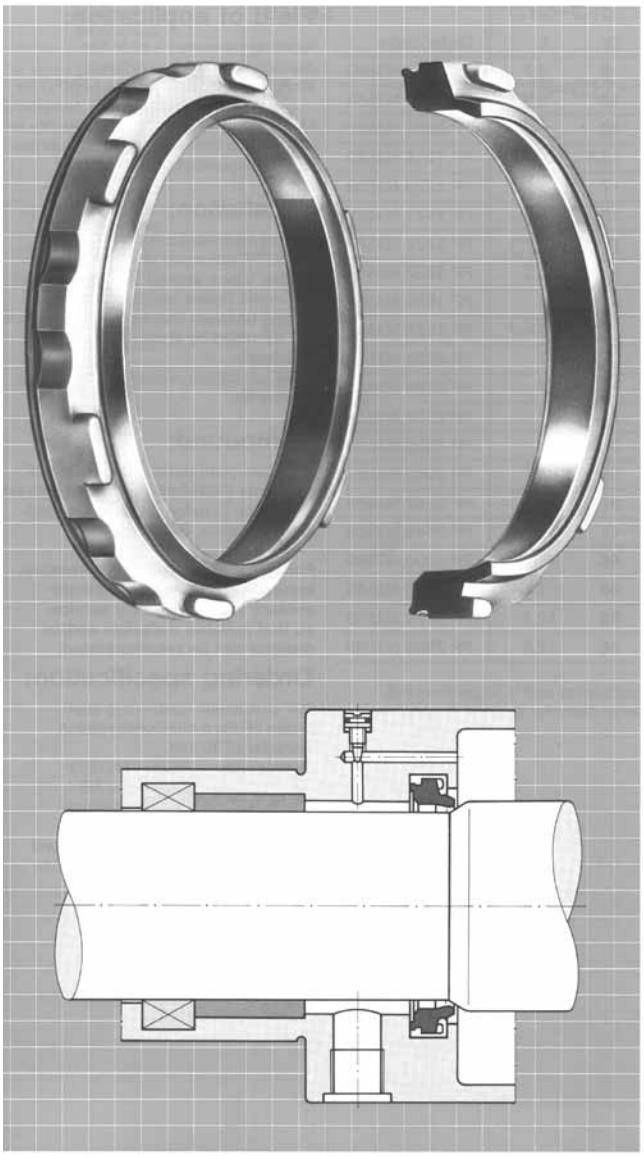
Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	O'Ring	d1	Tol.	D1	Tol.	H1	Tol.	
R008012020R16	8.00	+0.00 / -0.04	8.00	1.35	2.00	-12.00	8.00	+0.00 / -0.04	12.90	+0.04 / -0.00	2.20	+0.20 / -0.00	12.05
R010014020R16	10.00	+0.00 / -0.04	10.00	1.35	2.00	-13.00	10.00	+0.00 / -0.04	14.90	+0.04 / -0.00	2.20	+0.20 / -0.00	12.05
R012016020R16	12.00	+0.00 / -0.04	12.00	1.35	2.00	-15.00	12.00	+0.00 / -0.04	16.90	+0.04 / -0.00	2.20	+0.20 / -0.00	12.40
R014018020R16	14.00	+0.00 / -0.04	14.00	1.35	2.00	-16.00	14.00	+0.00 / -0.04	18.90	+0.05 / -0.00	2.20	+0.20 / -0.00	12.70
R015019020R16	15.00	+0.00 / -0.04	15.00	1.35	2.00	-17.00	15.00	+0.00 / -0.04	19.90	+0.05 / -0.00	2.20	+0.20 / -0.00	12.70
R016020020R16	16.00	+0.00 / -0.04	16.00	1.35	2.00	-17.00	16.00	+0.00 / -0.04	20.90	+0.05 / -0.00	2.20	+0.20 / -0.00	12.70
R018022020R16	18.00	+0.00 / -0.04	18.00	1.35	2.00	-19.00	18.00	+0.00 / -0.04	22.90	+0.05 / -0.00	2.20	+0.20 / -0.00	13.25
R020027029R16	20.00	+0.00 / -0.04	20.00	2.10	2.93	-119.00	20.00	+0.00 / -0.04	27.50	+0.05 / -0.00	3.20	+0.20 / -0.00	14.90
R021028029R16	21.00	+0.00 / -0.04	21.00	2.10	2.93	-119.00	21.00	+0.00 / -0.04	28.50	+0.05 / -0.00	3.20	+0.20 / -0.00	15.00
R022029029R16	22.00	+0.00 / -0.04	22.00	2.10	2.93	-120.00	22.00	+0.00 / -0.04	29.50	+0.05 / -0.00	3.20	+0.20 / -0.00	15.05

R16 SERIES - 40% BR.PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	O'Ring	d1	Tol.	D1	Tol.	H1	Tol.	
R024031029R16	24.00	+0.00 / -0.04	24.00	2.10	2.93	-121.00	24.00	+0.00 / -0.04	31.50	+0.06 / -0.00	3.20	+0.20 / -0.00	15.60
R025032029R16	25.00	+0.00 / -0.04	25.00	2.10	2.93	-122.00	25.00	+0.00 / -0.04	32.50	+0.06 / -0.00	3.20	+0.20 / -0.00	15.90
R026033029R16	26.00	+0.00 / -0.04	26.00	2.10	2.93	-123.00	26.00	+0.00 / -0.04	33.50	+0.06 / -0.00	3.20	+0.20 / -0.00	16.60
R028035029R16	28.00	+0.00 / -0.04	28.00	2.10	2.93	-124.00	28.00	+0.00 / -0.04	35.50	+0.06 / -0.00	3.20	+0.20 / -0.00	16.60
R030037029R16	30.00	+0.00 / -0.04	30.00	2.10	2.93	-125.00	30.00	+0.00 / -0.04	37.50	+0.06 / -0.00	3.20	+0.20 / -0.00	16.95
R032039029R16	32.00	+0.00 / -0.04	32.00	2.10	2.93	-126.00	32.00	+0.00 / -0.04	39.50	+0.06 / -0.00	3.20	+0.20 / -0.00	18.75
R035042029R16	35.00	+0.00 / -0.04	35.00	2.10	2.93	-128.00	35.00	+0.00 / -0.04	42.50	+0.06 / -0.00	3.20	+0.20 / -0.00	21.00
R036043029R16	36.00	+0.00 / -0.04	36.00	2.10	2.93	-129.00	36.00	+0.00 / -0.04	43.50	+0.06 / -0.00	3.20	+0.20 / -0.00	22.55
R038049039R16	38.00	+0.00 / -0.04	38.00	3.25	3.93	-130.00	38.00	+0.00 / -0.04	49.00	+0.06 / -0.00	4.20	+0.20 / -0.00	28.35
R040051039R16	40.00	+0.00 / -0.05	40.00	3.25	3.93	-132.00	40.00	+0.00 / -0.05	51.00	+0.07 / -0.00	4.20	+0.20 / -0.00	29.45
R042053039R16	42.00	+0.00 / -0.05	42.00	3.25	3.93	-134.00	42.00	+0.00 / -0.05	53.00	+0.07 / -0.00	4.20	+0.20 / -0.00	30.60
R045056039R16	45.00	+0.00 / -0.05	45.00	3.25	3.93	-136.00	45.00	+0.00 / -0.05	56.00	+0.07 / -0.00	4.20	+0.20 / -0.00	32.00
R048059039R16	48.00	+0.00 / -0.05	48.00	3.25	3.93	-136.00	48.00	+0.00 / -0.05	59.00	+0.07 / -0.00	4.20	+0.20 / -0.00	33.70
R050061039R16	50.00	+0.00 / -0.05	50.00	3.25	3.93	-138.00	50.00	+0.00 / -0.05	61.00	+0.07 / -0.00	4.20	+0.20 / -0.00	35.25
R052063039R16	52.00	+0.00 / -0.05	52.00	3.25	3.93	-138.00	52.00	+0.00 / -0.05	63.00	+0.07 / -0.00	4.20	+0.20 / -0.00	36.50
R055066039R16	55.00	+0.00 / -0.05	55.00	3.25	3.93	-140.00	55.00	+0.00 / -0.05	66.00	+0.07 / -0.00	4.20	+0.20 / -0.00	37.95
R056067039R16	56.00	+0.00 / -0.05	56.00	3.25	3.93	-142.00	56.00	+0.00 / -0.05	67.00	+0.07 / -0.00	4.20	+0.20 / -0.00	38.80
R058069039R16	58.00	+0.00 / -0.05	58.00	3.25	3.93	-230.00	58.00	+0.00 / -0.05	69.00	+0.07 / -0.00	4.20	+0.20 / -0.00	40.60
R060071039R16	60.00	+0.00 / -0.05	60.00	3.25	3.93	-230.00	60.00	+0.00 / -0.05	71.00	+0.07 / -0.00	4.20	+0.20 / -0.00	41.90
R063074039R16	63.00	+0.00 / -0.05	63.00	3.25	3.93	-231.00	63.00	+0.00 / -0.05	74.00	+0.07 / -0.00	4.20	+0.20 / -0.00	43.40
R065076039R16	65.00	+0.00 / -0.06	65.00	3.25	3.93	-232.00	65.00	+0.00 / -0.06	76.00	+0.07 / -0.00	4.20	+0.20 / -0.00	44.15
R068079039R16	68.00	+0.00 / -0.06	68.00	3.25	3.93	-233.00	68.00	+0.00 / -0.06	79.00	+0.07 / -0.00	4.20	+0.20 / -0.00	44.70
R070081039R16	70.00	+0.00 / -0.06	70.00	3.25	3.93	-233.00	70.00	+0.00 / -0.06	81.00	+0.09 / -0.00	4.20	+0.20 / -0.00	45.20
R075086039R16	75.00	+0.00 / -0.06	75.00	3.25	3.93	-235.00	75.00	+0.00 / -0.06	86.00	+0.09 / -0.00	4.20	+0.20 / -0.00	45.55
R080091039R16	80.00	+0.00 / -0.09	80.00	3.25	3.93	-236.00	80.00	+0.00 / -0.09	91.00	+0.09 / -0.00	4.20	+0.20 / -0.00	46.10
R085096039R16	85.00	+0.00 / -0.09	85.00	3.25	3.93	-238.00	85.00	+0.00 / -0.09	96.00	+0.09 / -0.00	4.20	+0.20 / -0.00	49.15
R090101039R16	90.00	+0.00 / -0.09	90.00	3.25	3.93	-239.00	90.00	+0.00 / -0.09	101.00	+0.09 / -0.00	4.20	+0.20 / -0.00	52.85
R095106039R16	95.00	+0.00 / -0.09	95.00	3.25	3.93	-241.00	95.00	+0.00 / -0.09	106.00	+0.09 / -0.00	4.20	+0.20 / -0.00	58.75
R100111039R16	100.00	+0.00 / -0.09	100.00	3.25	3.93	-242.00	100.00	+0.00 / -0.09	111.00	+0.09 / -0.00	4.20	+0.20 / -0.00	60.15
R105116039R16	105.00	+0.00 / -0.13	105.00	3.25	3.93	-244.00	105.00	+0.00 / -0.13	116.00	+0.09 / -0.00	4.20	+0.20 / -0.00	60.75
R110121039R16	110.00	+0.00 / -0.13	110.00	3.25	3.93	-246.00	110.00	+0.00 / -0.13	121.00	+0.10 / -0.00	4.20	+0.20 / -0.00	69.45
R115126039R16	115.00	+0.00 / -0.13	115.00	3.25	3.93	-247.00	115.00	+0.00 / -0.13	126.00	+0.10 / -0.00	4.20	+0.20 / -0.00	78.05
R120131039R16	120.00	+0.00 / -0.13	120.00	3.25	3.93	-249.00	120.00	+0.00 / -0.13	131.00	+0.10 / -0.00	4.20	+0.20 / -0.00	83.50
R125136039R16	125.00	+0.00 / -0.13	125.00	3.25	3.93	-250.00	125.00	+0.00 / -0.13	136.00	+0.10 / -0.00	4.20	+0.20 / -0.00	87.75
R130141039R16	130.00	+0.00 / -0.13	130.00	3.25	3.93	-252.00	130.00	+0.00 / -0.13	141.00	+0.10 / -0.00	4.20	+0.20 / -0.00	92.80
R135146039R16	135.00	+0.00 / -0.13	135.00	3.25	3.93	-253.00	135.00	+0.00 / -0.13	146.00	+0.10 / -0.00	4.20	+0.20 / -0.00	96.90
R140151039R16	140.00	+0.00 / -0.13	140.00	3.25	3.93	-255.00	140.00	+0.00 / -0.13	151.00	+0.10 / -0.00	4.20	+0.20 / -0.00	103.55
R145156039R16	145.00	+0.00 / -0.13	145.00	3.25	3.93	-257.00	145.00	+0.00 / -0.13	156.00	+0.10 / -0.00	4.20	+0.20 / -0.00	119.75
R150161039R16	150.00	+0.00 / -0.13	150.00	3.25	3.93	-258.00	150.00	+0.00 / -0.13	161.00	+0.10 / -0.00	4.20	+0.20 / -0.00	136.15
R155166039R16	155.00	+0.00 / -0.13	155.00	3.25	3.93	-259.00	155.00	+0.00 / -0.13	166.00	+0.10 / -0.00	4.20	+0.20 / -0.00	144.50
R160171039R16	160.00	+0.00 / -0.13	160.00	3.25	3.93	-260.00	160.00	+0.00 / -0.13	171.00	+0.10 / -0.00	4.20	+0.20 / -0.00	153.75
R165176039R16	165.00	+0.00 / -0.13	165.00	3.25	3.93	-261.00	165.00	+0.00 / -0.13	176.00	+0.10 / -0.00	4.20	+0.20 / -0.00	158.00
R170181039R16	170.00	+0.00 / -0.13	170.00	3.25	3.93	-261.00	170.00	+0.00 / -0.13	181.00	+0.12 / -0.00	4.20	+0.20 / -0.00	160.70
R175186039R16	175.00	+0.00 / -0.13	175.00	3.25	3.93	-262.00	175.00	+0.00 / -0.13	186.00	+0.12 / -0.00	4.20	+0.20 / -0.00	163.25
R180191039R16	180.00	+0.00 / -0.13	180.00	3.25	3.93	-263.00	180.00	+0.00 / -0.13	191.00	+0.12 / -0.00	4.20	+0.20 / -0.00	165.50
R190206039R16	190.00	+0.00 / -0.13	190.00	3.25	3.93	-264.00	190.00	+0.00 / -0.13	206.00	+0.12 / -0.00	4.20	+0.20 / -0.00	193.50
R200215059R16	200.00	+0.00 / -0.13	200.00	4.40	5.90	-369.00	200.00	+0.00 / -0.13	215.50	+0.12 / -0.00	6.30	+0.20 / -0.00	234.05
R210225059R16	210.00	+0.00 / -0.13	210.00	4.40	5.90	-371.00	210.00	+0.00 / -0.13	225.50	+0.12 / -0.00	6.30	+0.20 / -0.00	241.35

R16 SERIES - 40% BR.PTFE/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	d	S	H	O'Ring	d1	Tol.	D1	Tol.	H1	Tol.	
R220235059R16	220.00	+0.00 / -0.13	220.00	4.40	5.90	-372.00	220.00	+0.00 / -0.13	235.50	+0.12 / -0.00	6.30	+0.20 / -0.00	245.75
R225240059R16	225.00	+0.00 / -0.13	225.00	4.40	5.90	-373.00	225.00	+0.00 / -0.13	240.50	+0.12 / -0.00	6.30	+0.20 / -0.00	263.15
R230245059R16	230.00	+0.00 / -0.13	230.00	4.40	5.90	-374.00	230.00	+0.00 / -0.13	245.50	+0.12 / -0.00	6.30	+0.20 / -0.00	279.55
R240255059R16	240.00	+0.00 / -0.13	240.00	4.40	5.90	-375.00	240.00	+0.00 / -0.13	255.50	+0.13 / -0.00	6.30	+0.20 / -0.00	311.00
R250265059R16	250.00	+0.00 / -0.13	250.00	4.40	5.90	-377.00	250.00	+0.00 / -0.13	265.50	+0.13 / -0.00	6.30	+0.20 / -0.00	342.45
R260281076R16	260.00	+0.00 / -0.13	260.00	5.80	7.60	-378.00	260.00	+0.00 / -0.13	281.00	+0.13 / -0.00	8.10	+0.20 / -0.00	359.75
R270291076R16	270.00	+0.00 / -0.13	270.00	5.80	7.60	-379.00	270.00	+0.00 / -0.13	291.00	+0.13 / -0.00	8.10	+0.20 / -0.00	373.70
R280301076R16	280.00	+0.00 / -0.13	280.00	5.80	7.60	285.00 X 7.00	280.00	+0.00 / -0.13	301.00	+0.13 / -0.00	8.10	+0.20 / -0.00	406.45
R290311076R16	290.00	+0.00 / -0.13	290.00	5.80	7.60	-380.00	290.00	+0.00 / -0.13	311.00	+0.13 / -0.00	8.10	+0.20 / -0.00	419.20
R300321076R16	300.00	+0.00 / -0.13	300.00	5.80	7.60	-381.00	300.00	+0.00 / -0.13	321.00	+0.14 / -0.00	8.10	+0.20 / -0.00	435.50
R310331076R16	310.00	+0.00 / -0.13	310.00	5.80	7.60	-454.00	310.00	+0.00 / -0.13	331.00	+0.14 / -0.00	8.10	+0.20 / -0.00	449.85
R320341076R16	320.00	+0.00 / -0.13	320.00	5.80	7.60	323.00 X 7.00	320.00	+0.00 / -0.13	341.00	+0.14 / -0.00	8.10	+0.20 / -0.00	464.65
R330351076R16	330.00	+0.00 / -0.13	330.00	5.80	7.60	336.00 X 7.00	330.00	+0.00 / -0.13	351.00	+0.14 / -0.00	8.10	+0.20 / -0.00	478.85
R340361076R16	340.00	+0.00 / -0.13	340.00	5.80	7.60	-456.00	340.00	+0.00 / -0.13	361.00	+0.14 / -0.00	8.10	+0.20 / -0.00	493.50
R350371076R16	350.00	+0.00 / -0.13	350.00	5.80	7.60	-457.00	350.00	+0.00 / -0.13	371.00	+0.14 / -0.00	8.10	+0.20 / -0.00	507.85
R360381076R16	360.00	+0.00 / -0.13	360.00	5.80	7.60	-458.00	360.00	+0.00 / -0.13	381.00	+0.14 / -0.00	8.10	+0.20 / -0.00	522.65
R370391076R16	370.00	+0.00 / -0.13	370.00	5.80	7.60	375.00 x 7.00	370.00	+0.00 / -0.13	391.00	+0.14 / -0.00	8.10	+0.20 / -0.00	537.15
R380401076R16	380.00	+0.00 / -0.13	380.00	5.80	7.60	387.00 x 7.00	380.00	+0.00 / -0.13	401.00	+0.16 / -0.00	8.10	+0.20 / -0.00	551.50
R390411076R16	390.00	+0.00 / -0.13	390.00	5.80	7.60	-460.00	390.00	+0.00 / -0.13	411.00	+0.16 / -0.00	8.10	+0.20 / -0.00	566.15
R400421076R16	400.00	+0.00 / -0.13	400.00	5.80	7.60	-461.00	400.00	+0.00 / -0.13	421.00	+0.16 / -0.00	8.10	+0.20 / -0.00	581.00
R410431076R16	410.00	+0.00 / -0.13	410.00	5.80	7.60	-462.00	410.00	+0.00 / -0.13	431.00	+0.16 / -0.00	8.10	+0.20 / -0.00	595.15
R420441076R16	420.00	+0.00 / -0.13	420.00	5.80	7.60	425.00 x 7.00	420.00	+0.00 / -0.13	441.00	+0.16 / -0.00	8.10	+0.20 / -0.00	609.50
R430451076R16	430.00	+0.00 / -0.13	430.00	5.80	7.60	437.00 x 7.00	430.00	+0.00 / -0.13	451.00	+0.16 / -0.00	8.10	+0.20 / -0.00	624.15
R440461076R16	440.00	+0.00 / -0.13	440.00	5.80	7.60	-464.00	440.00	+0.00 / -0.13	461.00	+0.16 / -0.00	8.10	+0.20 / -0.00	638.65
R450471076R16	450.00	+0.00 / -0.13	450.00	5.80	7.60	-465.00	450.00	+0.00 / -0.13	471.00	+0.16 / -0.00	8.10	+0.20 / -0.00	653.15
R460481076R16	460.00	+0.00 / -0.13	460.00	5.80	7.60	-466.00	460.00	+0.00 / -0.13	481.00	+0.16 / -0.00	8.10	+0.20 / -0.00	667.85
R470491076R16	470.00	+0.00 / -0.13	470.00	5.80	7.60	475.00 x 7.00	470.00	+0.00 / -0.13	491.00	+0.16 / -0.00	8.10	+0.20 / -0.00	682.15
R480501076R16	480.00	+0.00 / -0.13	480.00	5.80	7.60	487.00 x 7.00	480.00	+0.00 / -0.13	501.00	+0.16 / -0.00	8.10	+0.20 / -0.00	696.65
R490511076R16	490.00	+0.00 / -0.13	490.00	5.80	7.60	-468.00	490.00	+0.00 / -0.13	511.00	+0.16 / -0.00	8.10	+0.20 / -0.00	711.15
R500521076R16	500.00	+0.00 / -0.13	500.00	5.80	7.60	-469.00	500.00	+0.00 / -0.13	521.00	+0.16 / -0.00	8.10	+0.20 / -0.00	725.80



The PDF Pneumatic cushioning seal profile R5 is specially designed for cushioning in pneumatic cylinders. Its special design offers the following advantages:

* As the seal functions as a check valve, no seperate valve is necessary.
* Optimum use of cushioning travel.
* High cushioning consistency due to automatic centering, even in the case of misalignment of the cushioning spear to the cylinder head.
* Increased reliability due to two independent sealing systems (flexible sealing lips and axial sealing areas).
* Easy assembly by hand.

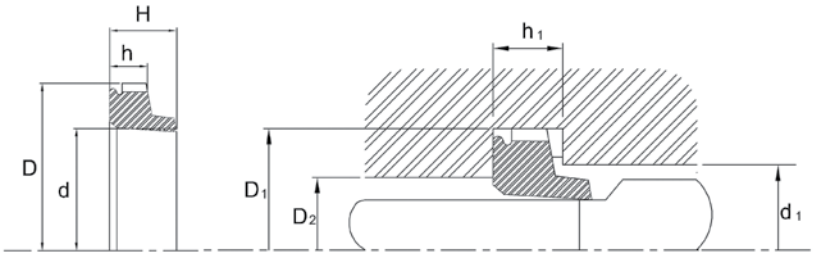
Installation:
The R5 profile is easily snapped into the groove, which should be free of all contaminants before installation. Care should be taken that the sealing lips are not damaged by sharp edges during installaion. Initial lubrication is essential for a long service life.

Parker Seals

R5 - Cushion Seals

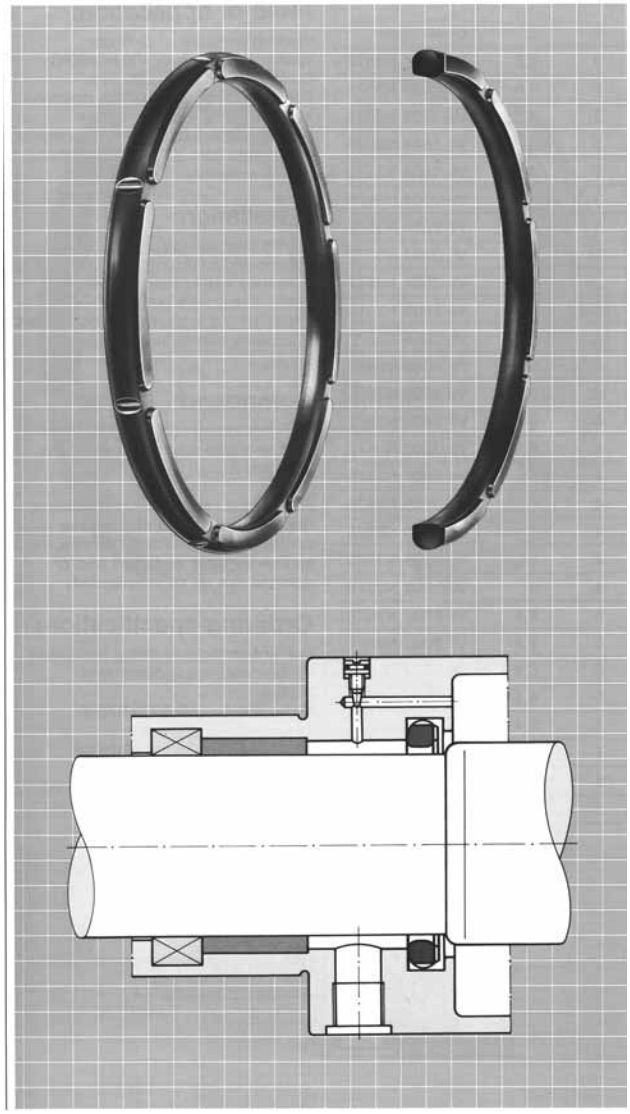
Nitrile NBR 89A





Temperature: -4/176F [-20/80C] **Pressure: 232 PSI [16 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions				Housing Dimensions								$
		Tol.	d	D	h	H	d1	Tol.	D1	Tol.	D2	Tol.	h1	Tol.	
R004008026R5	4.50	+0.00 / -0.04	4.50	8.00	2.60	3.50	6.50	+0.07 / -0.00	8.00	+0.09 / -0.00	5.00	+0.08 / -0.00	3.10	+0.10 / -0.10	O/R
R005009032R5	5.00	+0.00 / -0.04	5.00	9.00	3.20	4.10	7.00	+0.07 / -0.00	9.00	+0.09 / -0.00	5.50	+0.08 / -0.00	3.70	+0.10 / -0.10	O/R
R006010032R5	6.00	+0.00 / -0.04	6.00	10.00	3.20	4.10	8.00	+0.09 / -0.00	10.00	+0.09 / -0.00	6.50	+0.09 / -0.00	3.70	+0.10 / -0.10	5.90
R008011028R5	8.00	+0.00 / -0.04	8.00	11.60	2.80	3.50	10.00	+0.09 / -0.00	11.60	+0.09 / -0.00	8.50	+0.09 / -0.00	3.30	+0.10 / -0.10	6.10
R009015037R5	9.50	+0.00 / -0.04	9.50	15.00	3.70	4.60	12.00	+0.09 / -0.00	15.00	+0.09 / -0.00	10.00	+0.11 / -0.00	4.50	+0.10 / -0.10	6.30
R010018063R5	10.00	+0.00 / -0.04	10.00	18.00	6.30	7.80	13.00	+0.11 / -0.00	18.00	+0.11 / -0.00	10.50	+0.11 / -0.00	7.00	+0.10 / -0.10	6.60
R012018041R5	12.00	+0.00 / -0.04	12.00	18.00	4.10	5.00	15.50	+0.11 / -0.00	18.00	+0.11 / -0.00	13.00	+0.11 / -0.00	4.80	+0.10 / -0.10	6.95
R012020063R5	12.00	+0.00 / -0.04	12.00	20.00	6.30	7.80	17.00	+0.11 / -0.00	20.00	+0.11 / -0.00	13.00	+0.11 / -0.00	7.00	+0.10 / -0.10	7.10
R014022045R5	14.00	+0.00 / -0.04	14.00	22.00	4.50	5.50	18.50	+0.11 / -0.00	22.00	+0.11 / -0.00	15.00	+0.11 / -0.00	5.20	+0.10 / -0.10	O/R
R014022063R5	14.00	+0.00 / -0.04	14.00	22.00	6.30	7.80	19.00	+0.11 / -0.00	22.00	+0.11 / -0.00	15.00	+0.11 / -0.00	7.00	+0.10 / -0.10	7.45
R016022045R5	16.00	+0.00 / -0.04	16.00	22.00	4.50	5.50	19.50	+0.11 / -0.00	22.00	+0.11 / -0.00	17.00	+0.11 / -0.00	5.20	+0.10 / -0.10	7.55
R016024063R5	16.00	+0.00 / -0.04	16.00	24.00	6.30	7.80	21.00	+0.11 / -0.00	24.00	+0.11 / -0.00	17.00	+0.11 / -0.00	7.00	+0.10 / -0.10	7.75
R018026063R5	18.00	+0.00 / -0.04	18.00	26.00	6.30	7.80	23.00	+0.13 / -0.00	26.00	+0.13 / -0.00	19.00	+0.13 / -0.00	7.00	+0.10 / -0.10	8.10
R020028063R5	20.00	+0.00 / -0.04	20.00	28.00	6.30	7.80	24.00	+0.13 / -0.00	28.00	+0.13 / -0.00	21.00	+0.13 / -0.00	7.00	+0.10 / -0.10	8.45
R022030063R5	22.00	+0.00 / -0.04	22.00	30.00	6.30	7.80	26.00	+0.13 / -0.00	30.00	+0.13 / -0.00	23.00	+0.13 / -0.00	7.00	+0.10 / -0.10	9.00
R025033063R5	25.00	+0.00 / -0.04	25.00	33.00	6.30	7.80	29.00	+0.13 / -0.00	33.00	+0.13 / -0.00	26.00	+0.13 / -0.00	7.00	+0.10 / -0.10	9.30
R028036063R5	28.00	+0.00 / -0.04	28.00	36.00	6.30	7.80	32.00	+0.13 / -0.00	36.00	+0.13 / -0.00	29.00	+0.13 / -0.00	7.00	+0.10 / -0.10	10.10
R030040062R5	30.00	+0.00 / -0.04	30.00	40.00	6.20	7.80	35.00	+0.16 / -0.00	40.00	+0.16 / -0.00	31.50	+0.16 / -0.00	7.00	+0.10 / -0.10	10.35
R032042062R5	32.00	+0.00 / -0.04	32.00	42.00	6.20	7.80	37.00	+0.16 / -0.00	42.00	+0.16 / -0.00	33.50	+0.16 / -0.00	7.00	+0.10 / -0.10	10.85
R036046062R5	36.00	+0.00 / -0.04	36.00	46.00	6.20	7.80	41.00	+0.16 / -0.00	46.00	+0.16 / -0.00	37.50	+0.16 / -0.00	7.00	+0.10 / -0.10	11.70
R040050062R5	40.00	+0.00 / -0.05	40.00	50.00	6.20	7.80	45.00	+0.16 / -0.00	50.00	+0.16 / -0.00	41.50	+0.16 / -0.00	7.00	+0.10 / -0.10	12.15
R050060062R5	50.00	+0.00 / -0.05	50.00	60.00	6.20	7.80	55.00	+0.16 / -0.00	60.00	+0.16 / -0.00	51.50	+0.19 / -0.00	7.00	+0.10 / -0.10	12.70
R050067110R5	50.00	+0.00 / -0.05	50.00	67.00	11.00	11.00	58.00	+0.16 / -0.00	67.00	+0.19 / -0.00	53.00	+0.19 / -0.00	12.50	+0.10 / -0.10	O/R
R057074110R5	57.00	+0.00 / -0.05	57.00	74.00	11.00	11.00	65.00	+0.19 / -0.00	74.00	+0.19 / -0.00	60.00	+0.19 / -0.00	12.50	+0.10 / -0.10	20.05
R070087110R5	70.00	+0.00 / -0.06	70.00	87.00	11.00	11.00	78.00	+0.19 / -0.00	87.00	+0.19 / -0.00	73.00	+0.19 / -0.00	12.50	+0.10 / -0.10	O/R
R078095110R5	78.00	+0.00 / -0.09	78.00	95.00	11.00	11.00	86.00	+0.22 / -0.00	95.00	+0.22 / -0.00	81.00	+0.22 / -0.00	12.50	+0.10 / -0.10	44.85



The PDF-Pneumatic cushioning seal profile R6 is specially designed for cushioning in pneumatic cylinders. Due to its special profile design this seal provides the following advantages:

- The seal functions as a check valve therefore, no seperate valve is needed.
- Housing size nearly equal to that for O-ring.
- Easy installation
- Small housings, simple grooves.
- Consistent cushioning properties.

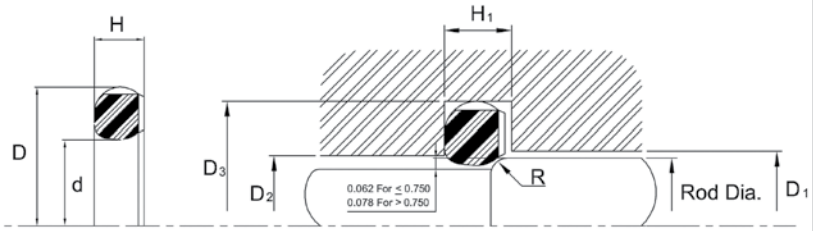
Installation:
For the cushioning spear (d1) we recommand a surface finish of Ra = 2 to 3 microns with flattened or polished peaks. The groove bottom (D1) should have a surface finish better than 10 microns with flattened or polished peaks.

Parker Seals

R6 - Cushion Seals

Nitrile NBR 77A





Temperature: -22/176F [-30/80C] **Pressure: 232 PSI [16 BAR]**

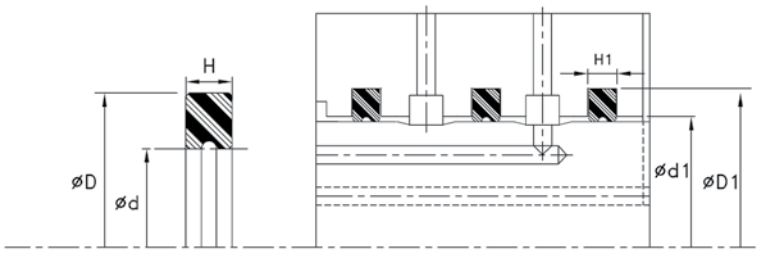
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions									$
		Tol.	d	D	H	D1	Tol.	D2	Tol.	D3	Tol.	H1	Tol.	R	
R010018040R6	10.00	+0.00 / -0.04	10.00	18.00	4.00	12.00	+0.11 / -0.00	10.50	+0.09 / -0.00	18.00	+0.11 / -0.00	4.80	+0.20 / -0.20	3.00	28.35
R012020040R6	12.00	+0.00 / -0.04	12.00	20.00	4.00	14.00	+0.11 / -0.00	12.50	+0.11 / -0.00	20.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	13.80
R014022040R6	14.00	+0.00 / -0.04	14.00	22.00	4.00	16.00	+0.11 / -0.00	14.50	+0.11 / -0.00	22.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	14.45
R016024040R6	16.00	+0.00 / -0.04	16.00	24.00	4.00	18.00	+0.11 / -0.00	16.50	+0.11 / -0.00	24.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	15.30
R018026040R6	18.00	+0.00 / -0.04	18.00	26.00	4.00	20.00	+0.13 / -0.00	18.50	+0.13 / -0.00	26.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	16.15
R020028040R6	20.00	+0.00 / -0.04	20.00	28.00	4.00	22.00	+0.13 / -0.00	20.50	+0.13 / -0.00	28.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	16.65
R022030040R6	22.00	+0.00 / -0.04	22.00	30.00	4.00	24.00	+0.13 / -0.00	22.50	+0.13 / -0.00	30.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	16.95
R024032040R6	24.00	+0.00 / -0.04	24.00	32.00	4.00	26.00	+0.13 / -0.00	24.50	+0.13 / -0.00	32.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	17.45
R025033040R6	25.00	+0.00 / -0.04	25.00	33.00	4.00	27.00	+0.13 / -0.00	25.50	+0.13 / -0.00	33.00	+0.13 / -0.00	4.80	+0.20 / -0.20	3.00	18.15
R026036050R6	26.00	+0.00 / -0.04	26.00	36.00	5.00	28.00	+0.13 / -0.00	26.60	+0.13 / -0.00	36.00	+0.13 / -0.00	6.00	+0.20 / -0.20	3.00	18.65
R028038050R6	28.00	+0.00 / -0.04	28.00	38.00	5.00	30.00	+0.13 / -0.00	28.60	+0.13 / -0.00	38.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	14.60
R030040050R6	30.00	+0.00 / -0.04	30.00	40.00	5.00	32.00	+0.16 / -0.00	30.60	+0.16 / -0.00	40.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	19.75
R032042050R6	32.00	+0.00 / -0.04	32.00	42.00	5.00	34.00	+0.16 / -0.00	32.60	+0.16 / -0.00	42.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	20.35
R034044050R6	34.00	+0.00 / -0.04	34.00	44.00	5.00	36.00	+0.16 / -0.00	34.60	+0.16 / -0.00	44.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	20.75
R035045050R6	35.00	+0.00 / -0.04	35.00	45.00	5.00	37.00	+0.16 / -0.00	35.60	+0.16 / -0.00	45.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	21.15
R036046050R6	36.00	+0.00 / -0.04	36.00	46.00	5.00	38.00	+0.16 / -0.00	36.60	+0.16 / -0.00	46.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	21.70
R038048050R6	38.00	+0.00 / -0.04	38.00	48.00	5.00	40.00	+0.16 / -0.00	38.60	+0.16 / -0.00	48.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	22.30
R040050050R6	40.00	+0.00 / -0.05	40.00	50.00	5.00	42.00	+0.16 / -0.00	40.60	+0.19 / -0.00	50.00	+0.16 / -0.00	6.00	+0.20 / -0.20	4.00	22.95
R045055050R6	45.00	+0.00 / -0.05	45.00	55.00	5.00	47.00	+0.16 / -0.00	45.60	+0.19 / -0.00	55.00	+0.19 / -0.00	6.00	+0.20 / -0.20	4.00	23.25
R050060050R6	50.00	+0.00 / -0.05	50.00	60.00	5.00	52.00	+0.19 / -0.00	50.60	+0.19 / -0.00	60.00	+0.19 / -0.00	6.00	+0.20 / -0.20	4.00	23.65
R055069070R6	55.00	+0.00 / -0.05	55.00	69.00	7.00	58.00	+0.19 / -0.00	55.60	+0.19 / -0.00	69.00	+0.19 / -0.00	8.40	+0.20 / -0.20	5.00	24.15
R060074070R6	60.00	+0.00 / -0.05	60.00	74.00	7.00	63.00	+0.19 / -0.00	60.60	+0.19 / -0.00	74.00	+0.19 / -0.00	8.40	+0.20 / -0.20	5.00	24.45
R063077070R6	63.00	+0.00 / -0.05	63.00	77.00	7.00	66.00	+0.19 / -0.00	63.60	+0.19 / -0.00	77.00	+0.19 / -0.00	8.40	+0.20 / -0.20	5.00	51.35
R065079070R6	65.00	+0.00 / -0.06	65.00	79.00	7.00	68.00	+0.19 / -0.00	65.60	+0.19 / -0.00	79.00	+0.19 / -0.00	8.40	+0.20 / -0.20	5.00	47.30
R070084070R6	70.00	+0.00 / -0.06	70.00	84.00	7.00	73.00	+0.19 / -0.00	70.60	+0.19 / -0.00	84.00	+0.22 / -0.00	8.40	+0.20 / -0.20	5.00	49.90
R080094070R6	80.00	+0.00 / -0.09	80.00	94.00	7.00	83.00	+0.22 / -0.00	80.60	+0.22 / -0.00	94.00	+0.22 / -0.00	8.40	+0.20 / -0.20	5.00	51.95
R100114070R6	100.00	+0.00 / -0.09	100.00	114.00	7.00	103.00	+0.22 / -0.00	100.60	+0.22 / -0.00	114.00	+0.22 / -0.00	8.40	+0.20 / -0.20	5.00	52.75
R110124070R6	110.00	+0.00 / -0.13	110.00	124.00	7.00	113.00	+0.22 / -0.00	110.60	+0.22 / -0.00	124.00	+0.22 / -0.00	8.40	+0.20 / -0.20	5.00	54.10

www.sealsonline.com

R19 - Rod Seals

Polyurethane AU 94A

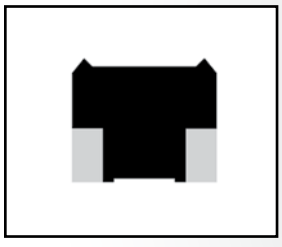


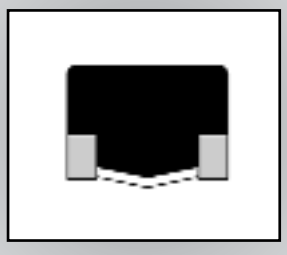


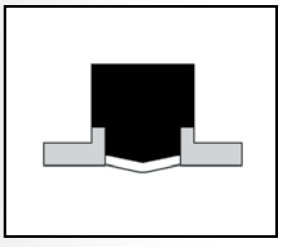
Temperature: -31/212F [-35/100C] **Pressure: 5000 PSI [343 Bar]**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	d	D	H	d1	Tol.	D1	Tol.	H1	Tol.	
R060070053R19	60.00	+0.00 / -0.05	60.00	70.00	4.90	60.00	+0.00 / -0.05	70.00	+0.12 / -0.00	5.30	+0.30 / -0.00	O/R
R070080053R19	70.00	+0.00 / -0.06	70.50	81.00	4.90	70.00	+0.00 / -0.06	80.00	+0.12 / -0.00	5.30	+0.30 / -0.00	27.70
R075085053R19	75.00	+0.00 / -0.06	75.30	85.80	4.90	75.00	+0.00 / -0.06	85.00	+0.14 / -0.00	5.30	+0.30 / -0.00	30.20
R080091053R19	80.00	+0.00 / -0.09	80.50	91.00	4.90	80.00	+0.00 / -0.09	90.00	+0.14 / -0.00	5.30	+0.30 / -0.00	31.15
R085096053R19	85.00	+0.00 / -0.09	85.50	96.00	4.90	85.00	+0.00 / -0.09	95.00	+0.14 / -0.00	5.30	+0.30 / -0.00	32.85
R090100053R19	90.00	+0.00 / -0.09	90.50	101.00	4.90	90.00	+0.00 / -0.09	100.00	+0.14 / -0.00	5.30	+0.30 / -0.00	34.75
R095105053R19	95.00	+0.00 / -0.09	95.50	106.00	4.90	95.00	+0.00 / -0.09	105.00	+0.14 / -0.00	5.30	+0.30 / -0.00	36.25
R100110053R19	100.00	+0.00 / -0.09	100.50	111.00	4.90	100.00	+0.00 / -0.09	110.00	+0.14 / -0.00	5.30	+0.30 / -0.00	38.25
R105115053R19	105.00	+0.00 / -0.13	105.50	116.00	4.90	105.00	+0.00 / -0.13	115.00	+0.14 / -0.00	5.30	+0.30 / -0.00	39.35
R110120053R19	110.00	+0.00 / -0.13	110.50	121.00	4.90	110.00	+0.00 / -0.13	120.00	+0.14 / -0.00	5.30	+0.30 / -0.00	41.35
R115125053R19	115.00	+0.00 / -0.13	115.50	126.00	4.90	115.00	+0.00 / -0.13	125.00	+0.16 / -0.00	5.30	+0.30 / -0.00	42.85
R120130053R19	120.00	+0.00 / -0.13	120.50	131.00	4.90	120.00	+0.00 / -0.13	130.00	+0.16 / -0.00	5.30	+0.30 / -0.00	44.85
R125135053R19	125.00	+0.00 / -0.13	125.50	136.00	4.90	125.00	+0.00 / -0.13	135.00	+0.16 / -0.00	5.30	+0.30 / -0.00	46.30
R130140053R19	130.00	+0.00 / -0.13	131.10	141.60	4.90	130.00	+0.00 / -0.13	140.00	+0.16 / -0.00	5.30	+0.30 / -0.00	48.00
R135145053R19	135.00	+0.00 / -0.13	136.10	136.60	4.90	135.00	+0.00 / -0.13	145.00	+0.16 / -0.00	5.30	+0.30 / -0.00	49.90
R140150053R19	140.00	+0.00 / -0.13	141.10	151.60	4.90	140.00	+0.00 / -0.13	150.00	+0.16 / -0.00	5.30	+0.30 / -0.00	53.35
R145155053R19	145.00	+0.00 / -0.13	146.10	146.60	4.90	145.00	+0.00 / -0.13	155.00	+0.16 / -0.00	5.30	+0.30 / -0.00	54.85
R150160053R19	150.00	+0.00 / -0.13	151.10	161.60	4.90	150.00	+0.00 / -0.13	160.00	+0.16 / -0.00	5.30	+0.30 / -0.00	56.95
R155165053R19	155.00	+0.00 / -0.13	156.10	166.60	4.90	155.00	+0.00 / -0.13	165.00	+0.16 / -0.00	5.30	+0.30 / -0.00	58.40
R160170053R19	160.00	+0.00 / -0.13	161.10	171.60	4.90	160.00	+0.00 / -0.13	170.00	+0.16 / -0.00	5.30	+0.30 / -0.00	60.40

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST





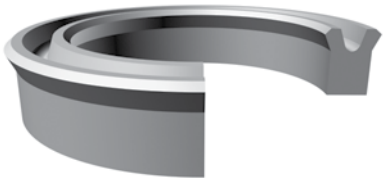


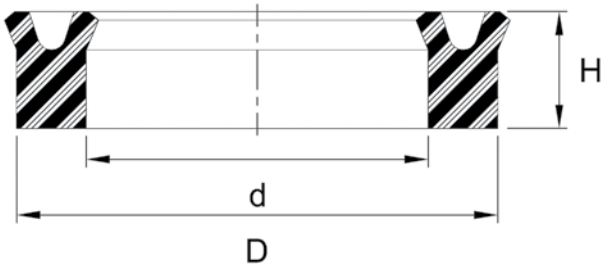


	A	K	2
	A/N	K	14
	B	K	28

A - Rod/Piston Seals

Polyurethane AU 92A





Temperature: -40/212F [-40/100C]

Pressure: 5000 PSI [345 Bar]

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP003009045A	3.00	9.00	4.50	4.40
RP003010050A	3.00	10.00	5.00	O/R
RP003010060A	3.00	10.00	6.00	O/R
RP004010040A	4.00	10.00	4.00	4.80
RP004010045A	4.00	10.00	4.50	4.80
RP004010050A	4.00	10.00	5.00	O/R
RP004012055A	4.00	12.00	5.50	4.80
RP004012060A	4.00	12.00	6.00	O/R
RP004014060A	4.00	14.00	6.00	O/R
RP005010050A	5.00	10.00	5.00	O/R
RP005011050A	5.00	11.00	5.00	O/R
RP005012050A	5.00	12.00	5.00	4.80
RP005012057A	5.00	12.00	5.70	4.80
RP005012060A	5.00	12.00	6.00	4.80
RP005012062A	5.00	12.00	6.20	4.25
RP005012080A	5.00	12.00	8.00	O/R
RP005013060A	5.00	13.00	6.00	O/R
RP005014045A	5.00	14.00	4.50	O/R
RP005014060A	5.00	14.00	6.00	O/R
RP005017090A	5.00	17.00	9.00	5.55
RP006010030A	6.00	10.00	3.00	O/R
RP006012040A	6.00	12.00	4.00	4.80
RP006012045A	6.00	12.00	4.50	O/R
RP006012050A	6.00	12.00	5.00	4.80
RP006012057A	6.00	12.00	5.70	O/R
RP006012060A	6.00	12.00	6.00	O/R
RP006012065A	6.00	12.00	6.50	O/R
RP006012080A	6.00	12.00	8.00	O/R
RP006013080A	6.00	13.00	8.00	O/R
RP006014057A	6.00	14.00	5.70	O/R
RP006014060A	6.00	14.00	6.00	O/R
RP006015040A	6.00	15.00	4.00	O/R
RP006015050A	6.00	15.00	5.00	O/R
RP006015080A	6.00	15.00	8.00	5.20
RP006015090A	6.00	15.00	9.00	O/R
RP006022060A	6.00	22.00	6.00	O/R
RP007014035A	7.00	14.00	3.50	5.20
RP007014040A	7.00	14.00	4.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP007015050A	7.00	15.00	5.00	O/R
RP007015070A	7.00	15.00	7.00	5.20
RP007015080A	7.00	15.00	8.00	O/R
RP008012024A	8.00	12.00	2.40	O/R
RP008014040A	8.00	14.00	4.00	5.20
RP008014050A	8.00	14.00	5.00	5.20
RP008014060A	8.00	14.00	6.00	5.20
RP008014070A	8.00	14.00	7.00	O/R
RP008015040A	8.00	15.00	4.00	5.20
RP008015057A	8.00	15.00	5.70	5.20
RP008015060A	8.00	15.00	6.00	5.20
RP008015070A	8.00	15.00	7.00	5.20
RP008015080A	8.00	15.00	8.00	5.20
RP008015090A	8.00	15.00	9.00	O/R
RP008016057A	8.00	16.00	5.70	5.20
RP008016060A	8.00	16.00	6.00	O/R
RP008016080A	8.00	16.00	8.00	O/R
RP008018060A	8.00	18.00	6.00	5.95
RP008018080A	8.00	18.00	8.00	5.95
RP008018090A	8.00	18.00	9.00	5.95
RP008022070A	8.00	22.00	7.00	6.75
RP008022080A	8.00	22.00	8.00	6.75
RP008022090A	8.00	22.00	9.00	O/R
RP009015080A	9.00	15.00	8.00	5.20
RP009017060A	9.00	17.00	6.00	O/R
RP009018050A	9.00	18.00	5.00	O/R
RP009019060A	9.00	19.00	6.00	6.75
RP009019070A	9.00	19.00	7.00	O/R
RP009019080A	9.00	19.00	8.00	O/R
RP010015040A	10.00	15.00	4.00	O/R
RP010016040A	10.00	16.00	4.00	O/R
RP010016050A	10.00	16.00	5.00	5.55
RP010016057A	10.00	16.00	5.70	5.55
RP010016060A	10.00	16.00	6.00	5.55
RP010016065A	10.00	16.00	6.50	4.95
RP010018050A	10.00	18.00	5.00	5.95
RP010018055A	10.00	18.00	5.50	5.95
RP010018057A	10.00	18.00	5.70	5.95

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP010018060A	10.00	18.00	6.00	5.95
RP010018070A	10.00	18.00	7.00	5.95
RP010018080A	10.00	18.00	8.00	5.95
RP010018090A	10.00	18.00	9.00	O/R
RP010020050A	10.00	20.00	5.00	6.75
RP010020060A	10.00	20.00	6.00	6.75
RP010020070A	10.00	20.00	7.00	6.75
RP010020080A	10.00	20.00	8.00	6.75
RP010020090A	10.00	20.00	9.00	O/R
RP010022060A	10.00	22.00	6.00	6.75
RP010022070A	10.00	22.00	7.00	6.75
RP010022080A	10.00	22.00	8.00	6.75
RP010022090A	10.00	22.00	9.00	O/R
RP010025080A	10.00	25.00	8.00	O/R
RP010032100A	10.00	32.00	10.00	O/R
RP011017044A	11.00	17.00	4.40	5.95
RP011022080A	11.00	22.00	8.00	O/R
RP011026080A	11.00	26.00	8.00	O/R
RP012018040A	12.00	18.00	4.00	6.75
RP012018045A	12.00	18.00	4.50	6.75
RP012018048A	12.00	18.00	4.80	6.75
RP012018050A	12.00	18.00	5.00	6.75
RP012018060A	12.00	18.00	6.00	6.75
RP012018070A	12.00	18.00	7.00	O/R
RP012019050A	12.00	19.00	5.00	O/R
RP012020050A	12.00	20.00	5.00	6.75
RP012020055A	12.00	20.00	5.50	6.75
RP012020057A	12.00	20.00	5.70	6.75
RP012020058A	12.00	20.00	5.80	6.75
RP012020070A	12.00	20.00	7.00	6.75
RP012020080A	12.00	20.00	8.00	6.75
RP012020090A	12.00	20.00	9.00	O/R
RP012022050A	12.00	22.00	5.00	6.75
RP012022060A	12.00	22.00	6.00	6.75
RP012022070A	12.00	22.00	7.00	6.75
RP012022080A	12.00	22.00	8.00	6.75
RP012022090A	12.00	22.00	9.00	O/R
RP012024060A	12.00	24.00	6.00	7.20
RP012024080A	12.00	24.00	8.00	7.20
RP012024090A	12.00	24.00	9.00	7.90
RP012024100A	12.00	24.00	10.00	O/R
RP012025080A	12.00	25.00	8.00	7.20
RP012025090A	12.00	25.00	9.00	7.20
RP012025100A	12.00	25.00	10.00	7.20
RP012027075A	12.00	27.00	7.50	O/R
RP012028080A	12.00	28.00	8.00	O/R
RP013020045A	13.00	20.00	4.50	O/R
RP013020060A	13.00	20.00	6.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP013025080A	13.00	25.00	8.00	O/R
RP013025100A	13.00	25.00	10.00	O/R
RP013030090A	13.00	30.00	9.00	O/R
RP014020040A	14.00	20.00	4.00	6.75
RP014020048A	14.00	20.00	4.80	6.75
RP014020050A	14.00	20.00	5.00	6.75
RP014020060A	14.00	20.00	6.00	O/R
RP014021050A	14.00	21.00	5.00	O/R
RP014022039A	14.00	22.00	3.90	O/R
RP014022045A	14.00	22.00	4.50	6.75
RP014022050A	14.00	22.00	5.00	6.75
RP014022055A	14.00	22.00	5.50	6.75
RP014022057A	14.00	22.00	5.70	6.75
RP014022060A	14.00	22.00	6.00	6.75
RP014022070A	14.00	22.00	7.00	6.75
RP014022080A	14.00	22.00	8.00	6.75
RP014022090A	14.00	22.00	9.00	7.55
RP014022110A	14.00	22.00	11.00	7.55
RP014024060A	14.00	24.00	6.00	7.20
RP014024080A	14.00	24.00	8.00	7.20
RP014024090A	14.00	24.00	9.00	O/R
RP014026080A	14.00	26.00	8.00	O/R
RP014028070A	14.00	28.00	7.00	O/R
RP014028100A	14.00	28.00	10.00	O/R
RP015020030A	15.00	20.00	3.00	O/R
RP015022040A	15.00	22.00	4.00	O/R
RP015022070A	15.00	22.00	7.00	O/R
RP015025050A	15.00	25.00	5.00	7.55
RP015025060A	15.00	25.00	6.00	7.55
RP015025080A	15.00	25.00	8.00	7.55
RP015025090A	15.00	25.00	9.00	O/R
RP015025100A	15.00	25.00	10.00	O/R
RP015027060A	15.00	27.00	6.00	7.90
RP015027070A	15.00	27.00	7.00	7.90
RP015028080A	15.00	28.00	8.00	7.90
RP015028100A	15.00	28.00	10.00	7.90
RP015030060A	15.00	30.00	6.00	O/R
RP015030080A	15.00	30.00	8.00	O/R
RP016022040A	16.00	22.00	4.00	6.75
RP016022050A	16.00	22.00	5.00	7.20
RP016024040A	16.00	24.00	4.00	7.20
RP016024050A	16.00	24.00	5.00	7.20
RP016024057A	16.00	24.00	5.70	7.20
RP016024060A	16.00	24.00	6.00	7.20
RP016024090A	16.00	24.00	9.00	7.20
RP016024100A	16.00	24.00	10.00	O/R
RP016025050A	16.00	25.00	5.00	O/R
RP016026050A	16.00	26.00	5.00	7.90

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP016026080A	16.00	26.00	8.00	7.90
RP016026090A	16.00	26.00	9.00	7.90
RP016026100A	16.00	26.00	10.00	7.90
RP016028060A	16.00	28.00	6.00	7.90
RP016028070A	16.00	28.00	7.00	O/R
RP016032080A	16.00	32.00	8.00	8.75
RP016032090A	16.00	32.00	9.00	O/R
RP016035090A	16.00	35.00	9.00	O/R
RP017025080A	17.00	25.00	8.00	O/R
RP017025100A	17.00	25.00	10.00	7.55
RP017032070A	17.00	32.00	7.00	O/R
RP017032100A	17.00	32.00	10.00	O/R
RP017035060A	17.00	35.00	6.00	O/R
RP017035100A	17.00	35.00	10.00	O/R
RP018025050A	18.00	25.00	5.00	7.55
RP018025060A	18.00	25.00	6.00	7.55
RP018026050A	18.00	26.00	5.00	7.90
RP018026057A	18.00	26.00	5.70	7.90
RP018026060A	18.00	26.00	6.00	7.90
RP018026065A	18.00	26.00	6.50	7.90
RP018026080A	18.00	26.00	8.00	7.90
RP018026085A	18.00	26.00	8.50	7.90
RP018028058A	18.00	28.00	5.80	8.35
RP018028070A	18.00	28.00	7.00	7.90
RP018028080A	18.00	28.00	8.00	7.90
RP018028100A	18.00	28.00	10.00	O/R
RP018030075A	18.00	30.00	7.50	8.35
RP018030080A	18.00	30.00	8.00	8.35
RP018030085A	18.00	30.00	8.50	O/R
RP018030090A	18.00	30.00	9.00	O/R
RP018030100A	18.00	30.00	10.00	O/R
RP018032070A	18.00	32.00	7.00	O/R
RP018034080A	18.00	34.00	8.00	O/R
RP018035080A	18.00	35.00	8.00	O/R
RP018035100A	18.00	35.00	10.00	O/R
RP018036080A	18.00	36.00	8.00	O/R
RP018040110A	18.00	40.00	11.00	O/R
RP019025060A	19.00	25.00	6.00	7.55
RP019037100A	19.00	37.00	10.00	O/R
RP020025030A	20.00	25.00	3.00	7.55
RP020025037A	20.00	25.00	3.70	7.55
RP020026040A	20.00	26.00	4.00	7.90
RP020026050A	20.00	26.00	5.00	7.55
RP020026052A	20.00	26.00	5.20	7.55
RP020027050A	20.00	27.00	5.00	7.55
RP020027057A	20.00	27.00	5.70	7.55
RP020027060A	20.00	27.00	6.00	O/R
RP020028040A	20.00	28.00	4.00	7.90

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP020028050A	20.00	28.00	5.00	7.90
RP020028057A	20.00	28.00	5.70	7.90
RP020028060A	20.00	28.00	6.00	7.90
RP020028070A	20.00	28.00	7.00	7.90
RP020028080A	20.00	28.00	8.00	7.90
RP020028090A	20.00	28.00	9.00	O/R
RP020029050A	20.00	29.00	5.00	8.35
RP020030060A	20.00	30.00	6.00	O/R
RP020030070A	20.00	30.00	7.00	8.75
RP020030072A	20.00	30.00	7.20	8.75
RP020030075A	20.00	30.00	7.50	8.75
RP020030080A	20.00	30.00	8.00	8.75
RP020030090A	20.00	30.00	9.00	9.10
RP020030100A	20.00	30.00	10.00	9.10
RP020032050A	20.00	32.00	5.00	8.75
RP020032060A	20.00	32.00	6.00	8.75
RP020032075A	20.00	32.00	7.50	8.75
RP020032080A	20.00	32.00	8.00	O/R
RP020033080A	20.00	33.00	8.00	O/R
RP020035100A	20.00	35.00	10.00	9.10
RP020035120A	20.00	35.00	12.00	9.10
RP020036080A	20.00	36.00	8.00	O/R
RP020036120A	20.00	36.00	12.00	O/R
RP020037120A	20.00	37.00	12.00	O/R
RP020038090A	20.00	38.00	9.00	O/R
RP020039100A	20.00	39.00	10.00	10.25
RP020040100A	20.00	40.00	10.00	10.25
RP020040110A	20.00	40.00	11.00	10.25
RP020040120A	20.00	40.00	12.00	10.25
RP021027045A	21.00	27.00	4.50	8.35
RP021037100A	21.00	37.00	10.00	O/R
RP021037120A	21.00	37.00	12.00	O/R
RP022028040A	22.00	28.00	4.00	8.35
RP022028045A	22.00	28.00	4.50	8.35
RP022028055A	22.00	28.00	5.50	O/R
RP022028080A	22.00	28.00	8.00	7.90
RP022028090A	22.00	28.00	9.00	O/R
RP022029050A	22.00	29.00	5.00	O/R
RP022030040A	22.00	30.00	4.00	O/R
RP022030050A	22.00	30.00	5.00	O/R
RP022030057A	22.00	30.00	5.70	O/R
RP022030060A	22.00	30.00	6.00	8.75
RP022030070A	22.00	30.00	7.00	8.75
RP022030100A	22.00	30.00	10.00	8.75
RP022032050A	22.00	32.00	5.00	8.75
RP022032070A	22.00	32.00	7.00	8.75
RP022032080A	22.00	32.00	8.00	8.75
RP022032090A	22.00	32.00	9.00	8.75

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP022032100A	22.00	32.00	10.00	8.75
RP022034060A	22.00	34.00	6.00	O/R
RP022035050A	22.00	35.00	5.00	O/R
RP022035080A	22.00	35.00	8.00	9.10
RP022035100A	22.00	35.00	10.00	9.10
RP022036080A	22.00	36.00	8.00	O/R
RP022040100A	22.00	40.00	10.00	O/R
RP023030065A	23.00	30.00	6.50	O/R
RP024030045A	24.00	30.00	4.50	8.75
RP024030080A	24.00	30.00	8.00	O/R
RP024032060A	24.00	32.00	6.00	8.75
RP024032070A	24.00	32.00	7.00	8.75
RP024032080A	24.00	32.00	8.00	O/R
RP024034057A	24.00	34.00	5.70	9.10
RP024034100A	24.00	34.00	10.00	O/R
RP024040080A	24.00	40.00	8.00	10.25
RP024040090A	24.00	40.00	9.00	O/R
RP025030080A	25.00	30.00	8.00	O/R
RP025032040A	25.00	32.00	4.00	9.10
RP025032045A	25.00	32.00	4.50	O/R
RP025032100A	25.00	32.00	10.00	O/R
RP025033040A	25.00	33.00	4.00	O/R
RP025033045A	25.00	33.00	4.50	O/R
RP025033050A	25.00	33.00	5.00	O/R
RP025033057A	25.00	33.00	5.70	9.10
RP025033060A	25.00	33.00	6.00	9.10
RP025033070A	25.00	33.00	7.00	9.10
RP025033080A	25.00	33.00	8.00	9.10
RP025035050A	25.00	35.00	5.00	9.10
RP025035060A	25.00	35.00	6.00	9.55
RP025035070A	25.00	35.00	7.00	9.55
RP025035075A	25.00	35.00	7.50	9.10
RP025035080A	25.00	35.00	8.00	9.10
RP025035090A	25.00	35.00	9.00	9.55
RP025035100A	25.00	35.00	10.00	9.10
RP025036050A	25.00	36.00	5.00	9.55
RP025037070A	25.00	37.00	7.00	O/R
RP025037090A	25.00	37.00	9.00	O/R
RP025038095A	25.00	38.00	9.50	9.55
RP025038100A	25.00	38.00	10.00	9.55
RP025039070A	25.00	39.00	7.00	O/R
RP025040080A	25.00	40.00	8.00	10.25
RP025040100A	25.00	40.00	10.00	10.25
RP025045100A	25.00	45.00	10.00	O/R
RP026035050A	26.00	35.00	5.00	O/R
RP026036070A	26.00	36.00	7.00	O/R
RP026038080A	26.00	38.00	8.00	O/R
RP026047120A	26.00	47.00	12.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP027035040A	27.00	35.00	4.00	O/R
RP027036060A	27.00	36.00	6.00	O/R
RP027038060A	27.00	38.00	6.00	O/R
RP028035050A	28.00	35.00	5.00	9.10
RP028036040A	28.00	36.00	4.00	O/R
RP028036050A	28.00	36.00	5.00	9.55
RP028036057A	28.00	36.00	5.70	9.55
RP028036058A	28.00	36.00	5.80	9.55
RP028036060A	28.00	36.00	6.00	9.55
RP028036065A	28.00	36.00	6.50	9.55
RP028036080A	28.00	36.00	8.00	9.55
RP028038070A	28.00	38.00	7.00	9.55
RP028038080A	28.00	38.00	8.00	9.55
RP028038090A	28.00	38.00	9.00	O/R
RP028038100A	28.00	38.00	10.00	O/R
RP028040080A	28.00	40.00	8.00	10.25
RP028040100A	28.00	40.00	10.00	10.25
RP028043100A	28.00	43.00	10.00	O/R
RP028044080A	28.00	44.00	8.00	O/R
RP028044100A	28.00	44.00	10.00	O/R
RP028046100A	28.00	46.00	10.00	O/R
RP028047100A	28.00	47.00	10.00	O/R
RP028048120A	28.00	48.00	12.00	O/R
RP030037058A	30.00	37.00	5.80	O/R
RP030037060A	30.00	37.00	6.00	O/R
RP030038050A	30.00	38.00	5.00	9.55
RP030038057A	30.00	38.00	5.70	9.55
RP030038058A	30.00	38.00	5.80	9.55
RP030038060A	30.00	38.00	6.00	9.55
RP030038065A	30.00	38.00	6.50	9.90
RP030038070A	30.00	38.00	7.00	9.90
RP030038080A	30.00	38.00	8.00	9.90
RP030040050A	30.00	40.00	5.00	10.25
RP030040055A	30.00	40.00	5.50	9.90
RP030040060A	30.00	40.00	6.00	9.90
RP030040065A	30.00	40.00	6.50	9.90
RP030040070A	30.00	40.00	7.00	10.25
RP030040075A	30.00	40.00	7.50	10.25
RP030040080A	30.00	40.00	8.00	10.25
RP030040100A	30.00	40.00	10.00	10.25
RP030042060A	30.00	42.00	6.00	O/R
RP030042090A	30.00	42.00	9.00	10.25
RP030042100A	30.00	42.00	10.00	10.25
RP030043065A	30.00	43.00	6.50	O/R
RP030045090A	30.00	45.00	9.00	11.95
RP030045100A	30.00	45.00	10.00	11.95
RP030050100A	30.00	50.00	10.00	13.90
RP030050120A	30.00	50.00	12.00	13.90

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP030052110A	30.00	52.00	11.00	O/R
RP031038070A	31.00	38.00	7.00	O/R
RP032040040A	32.00	40.00	4.00	10.25
RP032040050A	32.00	40.00	5.00	10.25
RP032040057A	32.00	40.00	5.70	10.25
RP032040060A	32.00	40.00	6.00	10.25
RP032040070A	32.00	40.00	7.00	10.25
RP032040080A	32.00	40.00	8.00	10.25
RP032040100A	32.00	40.00	10.00	O/R
RP032042060A	32.00	42.00	6.00	O/R
RP032042070A	32.00	42.00	7.00	O/R
RP032042080A	32.00	42.00	8.00	10.25
RP032042100A	32.00	42.00	10.00	10.25
RP032045100A	32.00	45.00	10.00	12.30
RP032047100A	32.00	47.00	10.00	O/R
RP032050100A	32.00	50.00	10.00	13.90
RP032050120A	32.00	50.00	12.00	13.90
RP032052100A	32.00	52.00	10.00	O/R
RP033043100A	33.00	43.00	10.00	O/R
RP033046100A	33.00	46.00	10.00	O/R
RP034042080A	34.00	42.00	8.00	O/R
RP034045070A	34.00	45.00	7.00	12.30
RP034045080A	34.00	45.00	8.00	12.30
RP034045090A	34.00	45.00	9.00	12.30
RP034046080A	34.00	46.00	8.00	O/R
RP034074100A	34.00	74.00	10.00	O/R
RP035042080A	35.00	42.00	8.00	O/R
RP035043060A	35.00	43.00	6.00	11.50
RP035043070A	35.00	43.00	7.00	O/R
RP035043080A	35.00	43.00	8.00	O/R
RP035045060A	35.00	45.00	6.00	12.30
RP035045060A-1	35.50	45.00	6.00	O/R
RP035045070A	35.00	45.00	7.00	12.30
RP035045075A	35.00	45.00	7.50	12.30
RP035045080A	35.00	45.00	8.00	12.30
RP035045085A	35.00	45.00	8.50	12.30
RP035045090A	35.00	45.00	9.00	12.30
RP035045100A	35.00	45.00	10.00	12.30
RP035047100A	35.00	47.00	10.00	O/R
RP035048100A	35.00	48.00	10.00	13.10
RP035050070A	35.00	50.00	7.00	13.90
RP035050080A	35.00	50.00	8.00	13.90
RP035050090A	35.00	50.00	9.00	13.90
RP035050100A	35.00	50.00	10.00	13.90
RP035050140A	35.00	50.00	14.00	O/R
RP035055100A	35.00	55.00	10.00	13.90
RP035055120A	35.00	55.00	12.00	13.90
RP036044040A	36.00	44.00	4.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP036044057A	36.00	44.00	5.70	12.30
RP036044060A	36.00	44.00	6.00	12.30
RP036044070A	36.00	44.00	7.00	12.30
RP036044080A	36.00	44.00	8.00	12.30
RP036045100A	36.00	45.00	10.00	O/R
RP036046070A	36.00	46.00	7.00	12.30
RP036046080A	36.00	46.00	8.00	O/R
RP036046100A	36.00	46.00	10.00	12.30
RP036048080A	36.00	48.00	8.00	O/R
RP036050080A	36.00	50.00	8.00	O/R
RP036051100A	36.00	51.00	10.00	O/R
RP036052100A	36.00	52.00	10.00	O/R
RP036055100A	36.00	55.00	10.00	O/R
RP036070100A	36.00	70.00	10.00	17.45
RP038040080A	38.00	40.00	8.00	O/R
RP038045050A	38.00	45.00	5.00	12.30
RP038045060A	38.00	45.00	6.00	12.30
RP038045080A	38.00	45.00	8.00	O/R
RP038045100A	38.00	45.00	10.00	O/R
RP038046060A	38.00	46.00	6.00	12.30
RP038046065A	38.00	46.00	6.50	12.30
RP038050060A	38.00	50.00	6.00	O/R
RP038050090A	38.00	50.00	9.00	13.90
RP038050100A	38.00	50.00	10.00	O/R
RP038052095A	38.00	52.50	9.50	O/R
RP038055100A	38.00	55.00	10.00	O/R
RP038055120A	38.00	55.00	12.00	O/R
RP038058100A	38.00	58.00	10.00	13.90
RP038060120A	38.00	60.00	12.00	O/R
RP040048050A	40.00	48.00	5.00	O/R
RP040048057A	40.00	48.00	5.70	13.10
RP040048060A	40.00	48.00	6.00	O/R
RP040048080A	40.00	48.00	8.00	13.10
RP040048110A	40.00	48.00	11.00	13.10
RP040049095A	40.00	49.50	9.50	13.10
RP040050050A	40.00	50.00	5.00	O/R
RP040050060A	40.00	50.00	6.00	13.10
RP040050065A	40.00	50.00	6.50	13.10
RP040050070A	40.00	50.00	7.00	13.10
RP040050075A	40.00	50.00	7.50	13.10
RP040050080A	40.00	50.00	8.00	13.10
RP040050100A	40.00	50.00	10.00	13.10
RP040052080A	40.00	52.00	8.00	O/R
RP040052090A	40.00	52.00	9.00	O/R
RP040055075A	40.00	55.00	7.50	O/R
RP040055100A	40.00	55.00	10.00	13.90
RP040056080A	40.00	56.00	8.00	O/R
RP040056100A	40.00	56.00	10.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP040060100A	40.00	60.00	10.00	14.30
RP040060120A	40.00	60.00	12.00	14.30
RP040060130A	40.00	60.00	13.00	14.30
RP040060180A	40.00	60.00	18.00	15.45
RP040064120A	40.00	64.00	12.00	O/R
RP040065100A	40.00	65.00	10.00	16.30
RP040065120A	40.00	65.00	12.00	16.30
RP040065130A	40.00	65.00	13.00	O/R
RP040070150A	40.00	70.00	15.00	18.25
RP040075100A	40.00	75.00	10.00	20.60
RP040080100A	40.00	80.00	10.00	O/R
RP042050050A	42.00	50.00	5.00	O/R
RP042050060A	42.00	50.00	6.00	O/R
RP042050080A	42.00	50.00	8.00	13.10
RP042050090A	42.00	50.00	9.00	13.10
RP042050100A	42.00	50.00	10.00	O/R
RP042052060A	42.00	52.00	6.00	O/R
RP042052085A	42.00	52.00	8.50	O/R
RP042052090A	42.00	52.00	9.00	O/R
RP042052100A	42.00	52.00	10.00	O/R
RP042053090A	42.00	53.00	9.00	13.10
RP042062120A	42.00	62.00	12.00	15.45
RP044054060A	44.00	54.00	6.00	O/R
RP044064100A	44.00	64.00	10.00	O/R
RP045053055A	45.00	53.00	5.50	O/R
RP045053057A	45.00	53.00	5.70	O/R
RP045053058A	45.00	53.00	5.80	O/R
RP045053060A	45.00	53.00	6.00	13.10
RP045053065A	45.00	53.00	6.50	13.10
RP045053080A	45.00	53.00	8.00	13.10
RP045053100A	45.00	53.00	10.00	13.90
RP045053120A	45.00	53.00	12.00	O/R
RP045055050A	45.00	55.00	5.00	13.90
RP045055058A	45.00	55.00	5.80	13.90
RP045055060A	45.00	55.00	6.00	13.90
RP045055065A	45.00	55.00	6.50	13.90
RP045055070A	45.00	55.00	7.00	13.90
RP045055075A	45.00	55.00	7.50	13.90
RP045055100A	45.00	55.00	10.00	13.90
RP045055110A	45.00	55.00	11.00	O/R
RP045055120A	45.00	55.00	12.00	O/R
RP045056070A	45.00	56.00	7.00	O/R
RP045057060A	45.00	57.00	6.00	O/R
RP045057095A	45.00	57.70	9.50	O/R
RP045058120A	45.00	58.00	12.00	O/R
RP045060090A	45.00	60.00	9.00	15.45
RP045060100A	45.00	60.00	10.00	15.45
RP045063090A	45.00	63.00	9.00	14.30

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP045063100A	45.00	63.00	10.00	14.30
RP045063120A	45.00	63.00	12.00	O/R
RP045065100A	45.00	65.00	10.00	14.65
RP045065120A	45.00	65.00	12.00	14.65
RP045065180A	45.00	65.00	18.00	O/R
RP045070100A	45.00	70.00	10.00	O/R
RP045070120A	45.00	70.00	12.00	O/R
RP045075150A	45.00	75.00	15.00	O/R
RP046054080A	46.00	54.00	8.00	13.90
RP047055080A	47.00	55.00	8.00	O/R
RP047057102A	47.00	57.00	10.20	O/R
RP047062120A	47.00	62.00	12.00	O/R
RP047065120A	47.00	65.00	12.00	O/R
RP048058100A	48.00	58.00	10.00	13.90
RP048060070A	48.00	60.00	7.00	O/R
RP048060090A	48.00	60.00	9.00	O/R
RP048063100A	48.00	63.00	10.00	O/R
RP048063120A	48.00	63.00	12.00	O/R
RP048065100A	48.00	65.00	10.00	O/R
RP048068100A	48.00	68.00	10.00	O/R
RP050047100A	50.00	47.00	10.00	O/R
RP050058057A	50.00	58.00	5.70	O/R
RP050058080A	50.00	58.00	8.00	O/R
RP050060050A	50.00	60.00	5.00	14.30
RP050060060A	50.00	60.00	6.00	14.30
RP050060070A	50.00	60.00	7.00	14.30
RP050060072A	50.00	60.00	7.20	14.30
RP050060075A	50.00	60.00	7.50	14.30
RP050060080A	50.00	60.00	8.00	14.30
RP050060090A	50.00	60.00	9.00	14.30
RP050060100A	50.00	60.00	10.00	14.30
RP050060110A	50.00	60.00	11.00	14.30
RP050060120A	50.00	60.00	12.00	O/R
RP050060130A	50.00	60.00	13.00	O/R
RP050062080A	50.00	62.00	8.00	14.30
RP050062090A	50.00	62.00	9.00	14.30
RP050062095A	50.00	62.70	9.50	O/R
RP050062100A	50.00	62.00	10.00	14.30
RP050063060A	50.00	63.00	6.00	14.30
RP050063070A	50.00	63.00	7.00	O/R
RP050063080A	50.00	63.00	8.00	O/R
RP050063090A	50.00	63.00	9.00	O/R
RP050063100A	50.00	63.00	10.00	O/R
RP050065080A	50.00	65.00	8.00	14.65
RP050065090A	50.00	65.00	9.00	14.65
RP050065100A	50.00	65.00	10.00	14.65
RP050065120A	50.00	65.00	12.00	O/R
RP050070080A	50.00	70.00	8.00	O/R

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP050070100A	50.00	70.00	10.00	15.45
RP050070120A	50.00	70.00	12.00	15.45
RP050070180A	50.00	70.00	18.00	16.65
RP050072120A	50.00	72.00	12.00	O/R
RP050074150A	50.00	74.00	15.00	O/R
RP050075120A	50.00	75.00	12.00	O/R
RP050075150A	50.00	75.00	15.00	O/R
RP050076120A	50.00	76.00	12.00	O/R
RP050080100A	50.00	80.00	10.00	O/R
RP050080180A	50.00	80.00	18.00	O/R
RP052060055A	52.00	60.00	5.50	O/R
RP052062120A	52.00	62.00	12.00	14.30
RP052068080A	52.00	68.00	8.00	O/R
RP052080150A	52.00	80.00	15.00	O/R
RP053063050A	53.00	63.00	5.00	14.30
RP053063060A	53.00	63.00	6.00	14.30
RP053063065A	53.00	63.00	6.50	14.30
RP054072100A	54.00	72.00	10.00	O/R
RP055063080A	55.00	63.00	8.00	O/R
RP055065050A	55.00	65.00	5.00	O/R
RP055065060A	55.00	65.00	6.00	O/R
RP055065070A	55.00	65.00	7.00	O/R
RP055065072A	55.00	65.00	7.20	O/R
RP055065075A	55.00	65.00	7.50	O/R
RP055065100A	55.00	65.00	10.00	14.65
RP055065120A	55.00	65.00	12.00	14.65
RP055070075A	55.00	70.00	7.50	O/R
RP055070090A	55.00	70.00	9.00	15.45
RP055070100A	55.00	70.00	10.00	15.45
RP055070120A	55.00	70.00	12.00	15.45
RP055075100A	55.00	75.00	10.00	16.30
RP055075120A	55.00	75.00	12.00	16.30
RP055075180A	55.00	75.00	18.00	O/R
RP055076100A	55.00	76.00	10.00	O/R
RP055080100A	55.00	80.00	10.00	17.45
RP055080120A	55.00	80.00	12.00	17.45
RP055080150A	55.00	80.00	15.00	O/R
RP055080180A	55.00	80.00	18.00	O/R
RP056066065A	56.00	66.00	6.50	O/R
RP056066067A	56.00	66.00	6.70	O/R
RP056066100A	56.00	66.00	10.00	14.65
RP056070120A	56.00	70.00	12.00	O/R
RP056071085A	56.00	71.00	8.50	O/R
RP056071100A	56.00	71.00	10.00	O/R
RP056071115A	56.00	71.00	11.50	O/R
RP056076120A	56.00	76.00	12.00	O/R
RP056080150A	56.00	80.00	15.00	O/R
RP060068080A	60.00	68.00	8.00	15.45

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP060068100A	60.00	68.00	10.00	O/R
RP060068120A	60.00	68.00	12.00	O/R
RP060068125A	60.00	68.00	12.50	O/R
RP060068130A	60.00	68.00	13.00	O/R
RP060070050A	60.00	70.00	5.00	15.45
RP060070060A	60.00	70.00	6.00	15.45
RP060070070A	60.00	70.00	7.00	15.45
RP060070072A	60.00	70.00	7.20	15.45
RP060070075A	60.00	70.00	7.50	15.45
RP060070080A	60.00	70.00	8.00	15.45
RP060070100A	60.00	70.00	10.00	15.45
RP060070120A	60.00	70.00	12.00	15.45
RP060070130A	60.00	70.00	13.00	O/R
RP060072090A	60.00	72.00	9.00	15.45
RP060072100A	60.00	72.00	10.00	O/R
RP060075080A	60.00	75.00	8.00	O/R
RP060075090A	60.00	75.00	9.00	O/R
RP060075100A	60.00	75.00	10.00	16.30
RP060075120A	60.00	75.00	12.00	16.30
RP060075150A	60.00	75.00	15.00	O/R
RP060080100A	60.00	80.00	10.00	17.45
RP060080120A	60.00	80.00	12.00	17.45
RP060080135A	60.00	80.00	13.50	17.45
RP060080180A	60.00	80.00	18.00	19.00
RP060085100A	60.00	85.00	10.00	18.25
RP060085120A	60.00	85.00	12.00	18.25
RP060085125A	60.00	85.00	12.50	18.25
RP060090150A	60.00	90.00	15.00	19.80
RP061069080A	61.00	69.00	8.00	14.65
RP061080120A	61.00	80.00	12.00	O/R
RP062072125A	62.00	72.00	12.50	O/R
RP062075100A	62.00	75.00	10.00	O/R
RP063071080A	63.00	71.00	8.00	15.45
RP063073050A	63.00	73.00	5.00	O/R
RP063075085A	63.00	75.00	8.50	O/R
RP063075100A	63.00	75.00	10.00	16.30
RP063075120A	63.00	75.00	12.00	O/R
RP063078100A	63.00	78.00	10.00	16.65
RP063078115A	63.00	78.00	11.50	O/R
RP063078125A	63.00	78.00	12.50	O/R
RP063080090A	63.00	80.00	9.00	O/R
RP063080100A	63.00	80.00	10.00	O/R
RP063083120A	63.00	83.00	12.00	18.25
RP063083130A	63.00	83.00	13.00	18.25
RP063083135A	63.00	83.00	13.50	18.25
RP063083150A	63.00	83.00	15.00	18.25
RP064072080A	64.00	72.00	8.00	O/R
RP064076090A	64.00	76.00	9.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP064080080A	64.00	80.00	8.00	O/R
RP065073080A	65.00	73.00	8.00	O/R
RP065073115A	65.00	73.00	11.50	O/R
RP065073120A	65.00	73.00	12.00	O/R
RP065075060A	65.00	75.00	6.00	O/R
RP065075100A	65.00	75.00	10.00	16.30
RP065075120A	65.00	75.00	12.00	16.30
RP065077090A	65.00	77.00	9.00	O/R
RP065080090A	65.00	80.00	9.00	17.45
RP065080100A	65.00	80.00	10.00	17.45
RP065080110A	65.00	80.00	11.00	17.45
RP065080115A	65.00	80.00	11.50	17.45
RP065080120A	65.00	80.00	12.00	17.45
RP065082120A	65.00	82.00	12.00	O/R
RP065085100A	65.00	85.00	10.00	17.45
RP065085120A	65.00	85.00	12.00	17.45
RP065085180A	65.00	85.00	18.00	O/R
RP065086120A	65.00	86.00	12.00	O/R
RP065090080A	65.00	90.00	8.00	O/R
RP065090120A	65.00	90.00	12.00	O/R
RP065090130A	65.00	90.00	13.00	O/R
RP065090150A	65.00	90.00	15.00	O/R
RP065090180A	65.00	90.00	18.00	O/R
RP065095120A	65.00	95.00	12.00	O/R
RP065106250A	65.00	106.00	25.00	O/R
RP066076080A	66.00	76.00	8.00	16.30
RP066080100A	66.00	80.00	10.00	17.00
RP066080130A	66.00	80.00	13.00	17.45
RP067077100A	67.00	77.00	10.00	16.65
RP067077120A	67.00	77.00	12.00	16.65
RP067080120A	67.00	80.00	12.00	O/R
RP068076080A	68.00	76.00	8.00	15.85
RP068092150A	68.00	92.00	15.00	O/R
RP070078080A	70.00	78.00	8.00	16.65
RP070080050A	70.00	80.00	5.00	16.65
RP070080060A	70.00	80.00	6.00	16.65
RP070080065A	70.00	80.00	6.50	16.65
RP070080070A	70.00	80.00	7.00	16.65
RP070080080A	70.00	80.00	8.00	16.65
RP070080100A	70.00	80.00	10.00	16.65
RP070080120A	70.00	80.00	12.00	16.65
RP070081150A	70.00	81.00	15.00	O/R
RP070082090A	70.00	82.00	9.00	17.00
RP070082100A	70.00	82.00	10.00	O/R
RP070082120A	70.00	82.00	12.00	O/R
RP070085080A	70.00	85.00	8.00	O/R
RP070085090A	70.00	85.00	9.00	O/R
RP070085100A	70.00	85.00	10.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP070085115A	70.00	85.00	11.50	O/R
RP070085120A	70.00	85.00	12.00	17.45
RP070090100A	70.00	90.00	10.00	17.80
RP070090120A	70.00	90.00	12.00	17.80
RP070090135A	70.00	90.00	13.50	17.80
RP070090180A	70.00	90.00	18.00	18.65
RP070095100A	70.00	95.00	10.00	19.80
RP070095120A	70.00	95.00	12.00	19.80
RP070100150A	70.00	100.00	15.00	O/R
RP070105150A	70.00	105.00	15.00	O/R
RP071079080A	71.00	79.00	8.00	O/R
RP072078060A	72.00	78.00	6.00	16.65
RP072090100A	72.00	90.00	10.00	O/R
RP072090110A	72.00	90.00	11.00	O/R
RP072090120A	72.00	90.00	12.00	O/R
RP072096120A	72.00	96.00	12.00	O/R
RP073080080A	73.00	80.00	8.00	O/R
RP075083080A	75.00	83.00	8.00	O/R
RP075085060A	75.00	85.00	6.00	17.00
RP075085072A	75.00	85.00	7.20	17.00
RP075085100A	75.00	85.00	10.00	17.45
RP075085120A	75.00	85.00	12.00	17.45
RP075087090A	75.00	87.00	9.00	O/R
RP075090075A	75.00	90.00	7.50	17.45
RP075090090A	75.00	90.00	9.00	17.45
RP075090100A	75.00	90.00	10.00	17.45
RP075090120A	75.00	90.00	12.00	17.45
RP075090150A	75.00	90.00	15.00	O/R
RP075095100A	75.00	95.00	10.00	18.25
RP075095120A	75.00	95.00	12.00	18.25
RP075095135A	75.00	95.00	13.50	O/R
RP075100120A	75.00	100.00	12.00	O/R
RP075100150A	75.00	100.00	15.00	O/R
RP075100220A	75.00	100.00	22.00	O/R
RP075105150A	75.00	105.00	15.00	O/R
RP076084080A	76.00	84.00	8.00	17.00
RP078086080A	78.00	86.00	8.00	O/R
RP078086125A	78.00	86.00	12.50	O/R
RP078086130A	78.00	86.00	13.00	O/R
RP078093105A	78.00	93.00	10.50	17.80
RP078096105A	78.00	96.00	10.50	O/R
RP078100150A	78.00	100.00	15.00	O/R
RP080088080A	80.00	88.00	8.00	O/R
RP080090050A	80.00	90.00	5.00	17.45
RP080090054A	80.00	90.00	5.40	17.45
RP080090060A	80.00	90.00	6.00	17.45
RP080090072A	80.00	90.00	7.20	17.45
RP080090080A	80.00	90.00	8.00	17.80

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP080090100A	80.00	90.00	10.00	17.80
RP080090120A	80.00	90.00	12.00	17.80
RP080090135A	80.00	90.00	13.50	O/R
RP080090140A	80.00	90.00	14.00	18.25
RP080092090A	80.00	92.00	9.00	O/R
RP080092115A	80.00	92.00	11.50	O/R
RP080095075A	80.00	95.00	7.50	O/R
RP080095080A	80.00	95.00	8.00	O/R
RP080095090A	80.00	95.00	9.00	O/R
RP080095100A	80.00	95.00	10.00	18.25
RP080095115A	80.00	95.00	11.50	18.25
RP080095120A	80.00	95.00	12.00	18.25
RP080100100A	80.00	100.00	10.00	21.00
RP080100115A	80.00	100.00	11.50	21.00
RP080100120A	80.00	100.00	12.00	21.00
RP080100135A	80.00	100.00	13.50	21.00
RP080100180A	80.00	100.00	18.00	O/R
RP080105120A	80.00	105.00	12.00	O/R
RP080105220A	80.00	105.00	22.00	O/R
RP081089080A	81.00	89.00	8.00	O/R
RP082092100A	82.00	92.00	10.00	17.80
RP083103140A	83.00	103.00	14.00	O/R
RP084094080A	84.50	94.00	8.00	17.80
RP084100080A	84.00	100.00	8.00	O/R
RP085093065A	85.00	93.00	6.50	O/R
RP085094150A	85.00	94.00	15.00	O/R
RP085095070A	85.00	95.00	7.00	18.25
RP085095085A	85.00	95.00	8.50	18.25
RP085095090A	85.00	95.00	9.00	O/R
RP085095120A	85.00	95.00	12.00	18.25
RP085097085A	85.00	97.00	8.50	19.00
RP085097090A	85.00	97.00	9.00	O/R
RP085100080A	85.00	100.00	8.00	O/R
RP085100090A	85.00	100.00	9.00	O/R
RP085100110A	85.00	100.00	11.00	19.00
RP085100120A	85.00	100.00	12.00	19.00
RP085100250A	85.00	100.00	25.00	O/R
RP085105100A	85.00	105.00	10.00	21.40
RP085105120A	85.00	105.00	12.00	21.40
RP085105150A	85.00	105.00	15.00	O/R
RP085105180A	85.00	105.00	18.00	O/R
RP085106100A	85.00	106.00	10.00	O/R
RP085110120A	85.00	110.00	12.00	O/R
RP085115150A	85.00	115.00	15.00	20.60
RP086092060A	86.00	92.00	6.00	O/R
RP087095080A	87.00	95.00	8.00	17.00
RP087102130A	87.00	102.00	13.00	O/R
RP088096080A	88.00	96.00	8.00	18.25

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP088108120A	88.00	108.00	12.00	O/R
RP089100120A	89.00	100.00	12.00	O/R
RP090096048A	90.00	96.00	4.80	18.25
RP090098080A	90.00	98.00	8.00	O/R
RP090098120A	90.00	98.00	12.00	O/R
RP090100050A	90.00	100.00	5.00	O/R
RP090100060A	90.00	100.00	6.00	O/R
RP090100065A	90.00	100.00	6.50	O/R
RP090100070A	90.00	100.00	7.00	18.25
RP090100080A	90.00	100.00	8.00	18.25
RP090100105A	90.00	100.00	10.50	18.25
RP090100120A	90.00	100.00	12.00	18.25
RP090100150A	90.00	100.00	15.00	O/R
RP090102090A	90.00	102.00	9.00	18.25
RP090105090A	90.00	105.00	9.00	O/R
RP090105115A	90.00	105.00	11.50	20.15
RP090105120A	90.00	105.00	12.00	20.15
RP090110080A	90.00	110.00	8.00	O/R
RP090110084A	90.00	110.00	8.40	O/R
RP090110100A	90.00	110.00	10.00	21.75
RP090110120A	90.00	110.00	12.00	21.75
RP090110150A	90.00	110.00	15.00	21.75
RP090110180A	90.00	110.00	18.00	21.75
RP090115120A	90.00	115.00	12.00	26.10
RP090115150A	90.00	115.00	15.00	26.10
RP090115220A	90.00	115.00	22.00	28.50
RP090120150A	90.00	120.00	15.00	O/R
RP091099080A	91.00	99.00	8.00	18.25
RP094124150A	94.00	124.00	15.00	O/R
RP095105110A	95.00	105.00	11.00	O/R
RP095105120A	95.00	105.00	12.00	O/R
RP095110090A	95.00	110.00	9.00	19.80
RP095110100A	95.00	110.00	10.00	19.80
RP095110120A	95.00	110.00	12.00	19.80
RP095110150A	95.00	110.00	15.00	19.80
RP095112110A	95.00	112.00	11.00	19.80
RP095112115A	95.00	112.00	11.50	19.00
RP095115120A	95.00	115.00	12.00	22.55
RP095115150A	95.00	115.00	15.00	26.10
RP095115180A	95.00	115.00	18.00	26.10
RP095120120A	95.00	120.00	12.00	O/R
RP095125120A	95.00	125.00	12.00	O/R
RP097105080A	97.00	105.00	8.00	O/R
RP097105130A	97.00	105.00	13.00	O/R
RP100108080A	100.00	108.00	8.00	O/R
RP100108115A	100.00	108.00	11.50	O/R
RP100110050A	100.00	110.00	5.00	O/R
RP100110080A	100.00	110.00	8.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP100115090A	100.00	115.00	9.00	24.10
RP100115120A	100.00	115.00	12.00	24.10
RP100115140A	100.00	115.00	14.00	O/R
RP100120100A	100.00	120.00	10.00	26.10
RP100120120A	100.00	120.00	12.00	26.10
RP100120135A	100.00	120.00	13.50	26.10
RP100120145A	100.00	120.00	14.50	O/R
RP100120150A	100.00	120.00	15.00	O/R
RP100120180A	100.00	120.00	18.00	O/R
RP100125100A	100.00	125.00	10.00	28.50
RP100125120A	100.00	125.00	12.00	28.50
RP100125150A	100.00	125.00	15.00	30.50
RP100130120A	100.00	130.00	12.00	30.50
RP100130150A	100.00	130.00	15.00	28.50
RP100130180A	100.00	130.00	18.00	30.50
RP103111100A	103.00	111.00	10.00	O/R
RP105113065A	105.00	113.00	6.50	O/R
RP105120080A	105.00	120.00	8.00	25.40
RP105120150A	105.00	120.00	15.00	26.90
RP105125100A	105.00	125.00	10.00	26.10
RP105125120A	105.00	125.00	12.00	26.10
RP105125140A	105.00	125.00	14.00	28.50
RP105125150A	105.00	125.00	15.00	28.50
RP105125160A	105.00	125.00	16.00	O/R
RP105135180A	105.00	135.00	18.00	O/R
RP106120085A	106.00	120.00	8.50	22.55
RP107115080A	107.00	115.00	8.00	21.40
RP107130150A	107.00	130.00	15.00	O/R
RP108116115A	108.00	116.00	11.50	O/R
RP110125096A	110.00	125.00	9.60	O/R
RP110125120A	110.00	125.00	12.00	24.10
RP110125150A	110.00	125.00	15.00	24.10
RP110130120A	110.00	130.00	12.00	O/R
RP110130145A	110.00	130.00	14.50	O/R
RP110130150A	110.00	130.00	15.00	O/R
RP110130180A	110.00	130.00	18.00	O/R
RP110135180A	110.00	135.00	18.00	O/R
RP110140180A	110.00	140.00	18.00	O/R
RP110150200A	110.00	150.00	20.00	O/R
RP112132120A	112.00	132.00	12.00	O/R
RP113125095A	113.00	125.00	9.50	24.90
RP114124100A	114.00	124.00	10.00	O/R
RP115124150A	115.00	124.00	15.00	O/R
RP115125080A	115.00	125.00	8.00	O/R
RP115125150A	115.00	125.00	15.00	O/R
RP115126150A	115.00	126.00	15.00	24.55
RP115129130A	115.00	129.00	13.00	O/R
RP115130150A	115.00	130.00	15.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP115135120A	115.00	135.00	12.00	28.50
RP115135150A	115.00	135.00	15.00	28.50
RP115140150A	115.00	140.00	15.00	32.85
RP115140180A	115.00	140.00	18.00	34.80
RP115140220A	115.00	140.00	22.00	34.80
RP115155200A	115.00	155.00	20.00	O/R
RP118126130A	118.00	126.00	13.00	O/R
RP120130050A	120.00	130.00	5.00	O/R
RP120130140A	120.00	130.00	14.00	24.55
RP120135150A	120.00	135.00	15.00	29.65
RP120140100A	120.00	140.00	10.00	O/R
RP120140105A	120.00	140.00	10.50	O/R
RP120140120A	120.00	140.00	12.00	O/R
RP120140150A	120.00	140.00	15.00	32.85
RP120145180A	120.00	145.00	18.00	O/R
RP120150150A	120.00	150.00	15.00	O/R
RP122130080A	122.00	130.00	8.00	O/R
RP125133065A	125.00	133.00	6.50	O/R
RP125135100A	125.00	135.00	10.00	O/R
RP125140110A	125.00	140.00	11.00	27.75
RP125140120A	125.00	140.00	12.00	30.50
RP125140150A	125.00	140.00	15.00	30.50
RP125145120A	125.00	145.00	12.00	32.85
RP125145145A	125.00	145.00	14.50	32.85
RP125145150A	125.00	145.00	15.00	34.80
RP125145180A	125.00	145.00	18.00	34.80
RP125147120A	125.00	147.00	12.00	O/R
RP125150120A	125.00	150.00	12.00	O/R
RP125150180A	125.00	150.00	18.00	O/R
RP125155150A	125.00	155.00	15.00	39.10
RP125155180A	125.00	155.00	18.00	O/R
RP125165200A	125.00	165.00	20.00	O/R
RP126134080A	126.00	134.00	8.00	26.10
RP127142120A	127.00	142.00	12.00	O/R
RP130145150A	130.00	145.00	15.00	O/R
RP130150100A	130.00	150.00	10.00	O/R
RP130150120A	130.00	150.00	12.00	37.15
RP130150150A	130.00	150.00	15.00	37.15
RP130157150A	130.00	157.00	15.00	O/R
RP130160150A	130.00	160.00	15.00	O/R
RP130160180A	130.00	160.00	18.00	O/R
RP132144120A	132.00	144.00	12.00	O/R
RP133149110A	133.00	149.00	11.00	O/R
RP135150150A	135.00	150.00	15.00	33.20
RP135155150A	135.00	155.00	15.00	37.15
RP135160150A	135.00	160.00	15.00	41.45
RP135165150A	135.00	165.00	15.00	O/R
RP140150050A	140.00	150.00	5.00	O/R

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP140155096A	140.00	155.00	9.60	O/R
RP140155150A	140.00	155.00	15.00	39.95
RP140156058A	140.00	155.50	5.80	33.65
RP140160060A	140.00	160.00	6.00	O/R
RP140160120A	140.00	160.00	12.00	37.15
RP140160145A	140.00	160.00	14.50	38.35
RP140160150A	140.00	160.00	15.00	O/R
RP140165150A	140.00	165.00	15.00	45.85
RP140165180A	140.00	165.00	18.00	O/R
RP140170170A	140.00	170.00	17.00	O/R
RP143151130A	143.00	151.00	13.00	O/R
RP145153065A	145.00	153.00	6.50	32.85
RP145153080A	145.00	153.00	8.00	32.85
RP145160080A	145.00	160.00	8.00	O/R
RP145160090A	145.00	160.00	9.00	O/R
RP145165150A	145.00	165.00	15.00	39.10
RP145170180A	145.00	170.00	18.00	O/R
RP146170140A	146.00	170.00	14.00	O/R
RP147155100A	147.00	155.00	10.00	O/R
RP148160095A	148.00	160.00	9.50	O/R
RP150160120A	150.00	160.00	12.00	34.80
RP150160135A	150.00	160.00	13.50	34.80
RP150170150A	150.00	170.00	15.00	43.45
RP150170180A	150.00	170.00	18.00	47.85
RP150180135A	150.00	180.00	13.50	65.20
RP150180150A	150.00	180.00	15.00	52.20
RP150180180A	150.00	180.00	18.00	O/R
RP153165120A	153.00	165.00	12.00	O/R
RP154169110A	154.00	169.00	11.00	O/R
RP155175150A	155.00	175.00	15.00	O/R
RP155180150A	155.00	180.00	15.00	O/R
RP157170120A	157.00	170.00	12.00	O/R
RP160175075A	160.00	175.00	7.50	O/R
RP160180150A	160.00	180.00	15.00	55.90
RP160185150A	160.00	185.00	15.00	O/R
RP160185182A	160.00	185.00	18.20	O/R
RP160190150A	160.00	190.00	15.00	O/R
RP160190220A	160.00	190.00	22.00	O/R
RP165190150A	165.00	190.00	15.00	O/R
RP165215200A	165.00	215.00	20.00	O/R
RP170170180A	170.00	170.00	18.00	O/R
RP170180100A	170.00	180.00	10.00	O/R
RP170190150A	170.00	190.00	15.00	60.55
RP170195150A	170.00	195.00	15.00	O/R
RP170200150A	170.00	200.00	15.00	83.85
RP170200180A	170.00	200.00	18.00	83.85
RP170202260A	170.00	202.00	26.00	O/R
RP170212200A	170.00	212.00	20.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP170215200A	170.00	215.00	20.00	O/R
RP175187120A	175.00	187.00	12.00	O/R
RP175200150A	175.00	200.00	15.00	83.85
RP175215200A	175.00	215.00	20.00	O/R
RP180200150A	180.00	200.00	15.00	74.55
RP180200160A	180.00	200.00	16.00	O/R
RP180200180A	180.00	200.00	18.00	O/R
RP180205150A	180.00	205.00	15.00	O/R
RP180210150A	180.00	210.00	15.00	O/R
RP180210220A	180.00	210.00	22.00	O/R
RP180220160A	180.00	220.00	16.00	116.35
RP180220200A	180.00	220.00	20.00	116.35
RP185200075A	185.00	200.00	7.50	O/R
RP185200090A	185.00	200.00	9.00	O/R
RP185205150A	185.00	205.00	15.00	O/R
RP190204150A	190.00	204.00	15.00	O/R
RP190210150A	190.00	210.00	15.00	O/R
RP190215150A	190.00	215.00	15.00	O/R
RP190220150A	190.00	220.00	15.00	O/R
RP190220250A	190.00	220.00	25.00	O/R
RP190220260A	190.00	220.00	26.00	O/R
RP200220100A	200.00	220.00	10.00	O/R
RP200220150A	200.00	220.00	15.00	88.40
RP200225180A	200.00	225.00	18.00	102.45
RP200230170A	200.00	230.00	17.00	O/R
RP200230180A	200.00	230.00	18.00	O/R
RP200230220A	200.00	230.00	22.00	O/R
RP200235200A	200.00	235.00	20.00	O/R
RP200238220A	200.00	238.00	22.00	O/R
RP200240200A	200.00	240.00	20.00	O/R
RP205225120A	205.00	225.00	12.00	O/R
RP205235180A	205.00	235.00	18.00	O/R
RP210235180A	210.00	235.00	18.00	O/R
RP210240180A	210.00	240.00	18.00	O/R
RP210250200A	210.00	250.00	20.00	O/R
RP212237180A	212.00	237.00	18.00	O/R
RP220240150A	220.00	240.00	15.00	O/R
RP220250150A	220.00	250.00	15.00	139.60
RP220250180A	220.00	250.00	18.00	139.60
RP220250200A	220.00	250.00	20.00	O/R
RP220255220A	220.00	255.00	22.00	O/R
RP220255300A	220.00	255.00	30.00	O/R
RP220265220A	220.00	265.00	22.00	O/R
RP224249180A	224.00	249.00	18.00	O/R
RP225245150A	225.00	245.00	15.00	125.70
RP225250180A	225.00	250.00	18.00	O/R
RP225255420A	225.00	255.00	42.00	O/R
RP225265340A	225.00	265.00	34.00	O/R

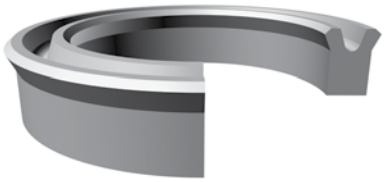
Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP229263200A	229.00	263.00	20.00	O/R
RP230250120A	230.00	250.00	12.00	135.45
RP230250150A	230.00	250.00	15.00	135.45
RP230255180A	230.00	255.00	18.00	253.85
RP230260180A	230.00	260.00	18.00	O/R
RP235255120A	235.00	255.00	12.00	O/R
RP236261180A	236.00	261.00	18.00	O/R
RP240260160A	240.00	260.00	16.00	O/R
RP240260170A	240.00	260.00	17.00	O/R
RP240260180A	240.00	260.00	18.00	O/R
RP240265180A	240.00	265.00	18.00	O/R
RP245270150A	245.00	270.00	15.00	139.60
RP250280220A	250.00	280.00	22.00	O/R
RP255280180A	255.00	280.00	18.00	190.40
RP260290180A	260.00	290.00	18.00	O/R
RP260296340A	260.00	296.00	34.00	O/R
RP260300200A	260.00	300.00	20.00	O/R
RP260300260A	260.00	300.00	26.00	O/R
RP265290170A	265.00	290.00	17.00	176.85
RP265295180A	265.00	295.00	18.00	O/R

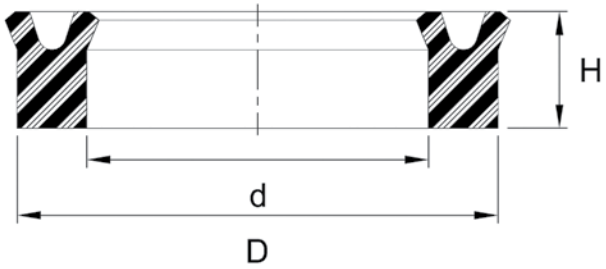
Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP270290170A	270.00	290.00	17.00	176.85
RP270300150A	270.00	300.00	15.00	186.15
RP270310200A	270.00	310.00	20.00	O/R
RP280300150A	280.00	300.00	15.00	186.15
RP280310180A	280.00	310.00	18.00	O/R
RP280310210A	280.00	310.00	21.00	O/R
RP296235140A	296.00	235.00	14.00	O/R
RP300330180A	300.00	330.00	18.00	O/R
RP305320170A	305.00	320.00	17.00	186.15
RP310330170A	310.00	330.00	17.00	O/R
RP320350150A	320.00	350.00	15.00	O/R
RP320350160A	320.00	350.00	16.00	O/R
RP320360200A	320.00	360.00	20.00	O/R
RP330360220A	330.00	360.00	22.00	O/R
RP355375220A	355.00	375.00	22.00	O/R
RP360390220A	360.00	390.00	22.00	418.85
RP500540340A	500.00	540.00	34.00	O/R



A/N - Rod/Piston Seals

Nitrile NBR 90A





Temperature: -22/212F [-30/100C]

Pressure: 2320 PSI [160 Bar]

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP003007050A/N	3.00	7.00	5.00	O/R
RP003008040A/N	3.00	8.50	4.00	O/R
RP003010050A/N	3.00	10.00	5.00	O/R
RP003010060A/N	3.00	10.00	6.00	O/R
RP004007030A/N	4.00	7.50	3.00	O/R
RP004010040A/N	4.00	10.00	4.00	O/R
RP004010045A/N	4.00	10.00	4.50	O/R
RP004010050A/N	4.00	10.00	5.00	O/R
RP004011080A/N	4.00	11.00	8.00	O/R
RP004012040A/N	4.00	12.00	4.00	5.00
RP004012055A/N	4.00	12.00	5.50	O/R
RP005011050A/N	5.00	11.00	5.00	O/R
RP005011070A/N	5.00	11.00	7.00	O/R
RP005012050A/N	5.00	12.00	5.00	5.00
RP005012055A/N	5.00	12.00	5.50	O/R
RP005012060A/N	5.00	12.00	6.00	O/R
RP005013040A/N	5.00	13.00	4.00	5.00
RP005013060A/N	5.00	13.00	6.00	O/R
RP005014045A/N	5.00	14.00	4.50	O/R
RP005014060A/N	5.00	14.00	6.00	O/R
RP005015050A/N	5.00	15.00	5.00	5.00
RP006010030A/N	6.00	10.00	3.00	O/R
RP006010040A/N	6.00	10.00	4.00	5.00
RP006012040A/N	6.00	12.00	4.00	5.20
RP006012045A/N	6.00	12.00	4.50	O/R
RP006012050A/N	6.00	12.00	5.00	O/R
RP006012055A/N	6.00	12.00	5.50	O/R
RP006012060A/N	6.00	12.00	6.00	O/R
RP006012065A/N	6.00	12.00	6.50	O/R
RP006012070A/N	6.00	12.00	7.00	O/R
RP006012080A/N	6.00	12.00	8.00	O/R
RP006014040A/N	6.00	14.00	4.00	O/R
RP006015050A/N	6.00	15.00	5.00	O/R
RP006015060A/N	6.00	15.00	6.00	O/R
RP006015080A/N	6.00	15.00	8.00	O/R
RP006015090A/N	6.00	15.00	9.00	O/R
RP006016050A/N	6.00	16.00	5.00	O/R
RP006016060A/N	6.00	16.00	6.00	5.20

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP006017060A/N	6.00	17.00	6.00	O/R
RP006018080A/N	6.00	18.00	8.00	O/R
RP006020080A/N	6.00	20.00	8.00	O/R
RP006022080A/N	6.00	22.00	8.00	O/R
RP007014035A/N	7.00	14.00	3.50	O/R
RP007015040A/N	7.00	15.00	4.00	O/R
RP007015050A/N	7.00	15.00	5.00	O/R
RP007015070A/N	7.00	15.00	7.00	O/R
RP007015080A/N	7.00	15.00	8.00	O/R
RP008012040A/N	8.00	12.00	4.00	O/R
RP008012050A/N	8.00	12.00	5.00	O/R
RP008013050A/N	8.00	13.00	5.00	O/R
RP008014040A/N	8.00	14.00	4.00	5.20
RP008014050A/N	8.00	14.00	5.00	O/R
RP008014060A/N	8.00	14.00	6.00	O/R
RP008014070A/N	8.00	14.00	7.00	O/R
RP008015040A/N	8.00	15.00	4.00	O/R
RP008015060A/N	8.00	15.00	6.00	5.50
RP008015080A/N	8.00	15.00	8.00	O/R
RP008015090A/N	8.00	15.00	9.00	O/R
RP008016040A/N	8.00	16.00	4.00	O/R
RP008016060A/N	8.00	16.00	6.00	O/R
RP008016080A/N	8.00	16.00	8.00	8.60
RP008017060A/N	8.00	17.00	6.00	O/R
RP008018050A/N	8.00	18.00	5.00	5.50
RP008018060A/N	8.00	18.00	6.00	O/R
RP008018080A/N	8.00	18.00	8.00	O/R
RP008018090A/N	8.00	18.00	9.00	O/R
RP008018100A/N	8.00	18.00	10.00	O/R
RP008020060A/N	8.00	20.00	6.00	5.50
RP008022070A/N	8.00	22.00	7.00	O/R
RP008022080A/N	8.00	22.00	8.00	O/R
RP008022090A/N	8.00	22.00	9.00	O/R
RP008025060A/N	8.00	25.00	6.00	5.50
RP009015080A/N	9.00	15.00	8.00	O/R
RP009017040A/N	9.00	17.00	4.00	5.50
RP009017060A/N	9.00	17.00	6.00	O/R
RP009018050A/N	9.00	18.00	5.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP009019060A/N	9.00	19.00	6.00	O/R
RP009019070A/N	9.00	19.00	7.00	O/R
RP009030100A/N	9.50	30.00	10.00	O/R
RP010014025A/N	10.00	14.00	2.50	O/R
RP010015050A/N	10.00	15.00	5.00	O/R
RP010016040A/N	10.00	16.00	4.00	5.50
RP010016050A/N	10.00	16.00	5.00	O/R
RP010016060A/N	10.00	16.00	6.00	O/R
RP010018040A/N	10.00	18.00	4.00	5.50
RP010018050A/N	10.00	18.00	5.00	5.90
RP010018060A/N	10.00	18.00	6.00	O/R
RP010018070A/N	10.00	18.00	7.00	O/R
RP010018080A/N	10.00	18.00	8.00	O/R
RP010018090A/N	10.00	18.00	9.00	O/R
RP010020050A/N	10.00	20.00	5.00	5.90
RP010020060A/N	10.00	20.00	6.00	O/R
RP010020070A/N	10.00	20.00	7.00	O/R
RP010020080A/N	10.00	20.00	8.00	5.90
RP010020090A/N	10.00	20.00	9.00	O/R
RP010022060A/N	10.00	22.00	6.00	5.90
RP010022070A/N	10.00	22.00	7.00	O/R
RP010022080A/N	10.00	22.00	8.00	O/R
RP010022090A/N	10.00	22.00	9.00	O/R
RP010025060A/N	10.00	25.00	6.00	O/R
RP010025075A/N	10.00	25.00	7.50	5.95
RP010025080A/N	10.00	25.00	8.00	O/R
RP010025100A/N	10.00	25.00	10.00	5.95
RP010026080A/N	10.00	26.00	8.00	5.95
RP010026095A/N	10.00	26.00	9.50	O/R
RP010028080A/N	10.00	28.00	8.00	O/R
RP010028100A/N	10.00	28.00	10.00	O/R
RP010030100A/N	10.00	30.00	10.00	5.95
RP010032060A/N	10.00	32.00	6.00	O/R
RP010032100A/N	10.00	32.00	10.00	O/R
RP011017032A/N	11.00	17.00	3.20	O/R
RP011021070A/N	11.50	21.50	7.00	O/R
RP011026080A/N	11.00	26.00	8.00	O/R
RP011027080A/N	11.00	27.00	8.00	O/R
RP012017065A/N	12.60	17.50	6.50	O/R
RP012018040A/N	12.00	18.00	4.00	O/R
RP012018050A/N	12.00	18.00	5.00	5.95
RP012018060A/N	12.00	18.00	6.00	O/R
RP012018070A/N	12.00	18.00	7.00	O/R
RP012020040A/N	12.00	20.00	4.00	6.10
RP012020050A/N	12.00	20.00	5.00	6.10
RP012020055A/N	12.00	20.00	5.50	6.10
RP012020080A/N	12.00	20.00	8.00	O/R
RP012020090A/N	12.00	20.00	9.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP012022050A/N	12.00	22.00	5.00	6.10
RP012022060A/N	12.00	22.00	6.00	O/R
RP012022070A/N	12.00	22.00	7.00	O/R
RP012022080A/N	12.00	22.00	8.00	O/R
RP012022090A/N	12.00	22.00	9.00	O/R
RP012024060A/N	12.00	24.00	6.00	6.20
RP012024080A/N	12.00	24.00	8.00	O/R
RP012024090A/N	12.00	24.00	9.00	O/R
RP012024100A/N	12.00	24.00	10.00	O/R
RP012025080A/N	12.00	25.00	8.00	O/R
RP012025090A/N	12.00	25.00	9.00	O/R
RP012025100A/N	12.00	25.00	10.00	O/R
RP012025110A/N	12.00	25.00	11.00	O/R
RP012026070A/N	12.00	26.00	7.00	O/R
RP012026080A/N	12.00	26.00	8.00	O/R
RP012026100A/N	12.00	26.00	10.00	O/R
RP012028100A/N	12.00	28.00	10.00	O/R
RP012030090A/N	12.00	30.00	9.00	O/R
RP012032100A/N	12.00	32.00	10.00	O/R
RP012034100A/N	12.00	34.00	10.00	O/R
RP012035120A/N	12.00	35.00	12.00	6.20
RP012040100A/N	12.00	40.00	10.00	O/R
RP013020030A/N	13.00	20.00	3.00	O/R
RP013023050A/N	13.00	23.00	5.00	6.20
RP013024060A/N	13.00	24.00	6.00	O/R
RP013025080A/N	13.00	25.00	8.00	O/R
RP013025100A/N	13.00	25.00	10.00	O/R
RP013030090A/N	13.00	30.00	9.00	O/R
RP013030100A/N	13.00	30.00	10.00	6.20
RP013035150A/N	13.00	35.00	15.00	O/R
RP013036120A/N	13.00	36.00	12.00	O/R
RP014020040A/N	14.00	20.00	4.00	7.25
RP014020050A/N	14.00	20.00	5.00	O/R
RP014020060A/N	14.00	20.00	6.00	O/R
RP014022040A/N	14.00	22.00	4.00	6.40
RP014022050A/N	14.00	22.00	5.00	O/R
RP014022060A/N	14.00	22.00	6.00	O/R
RP014022070A/N	14.00	22.00	7.00	O/R
RP014022080A/N	14.00	22.00	8.00	O/R
RP014022090A/N	14.00	22.00	9.00	O/R
RP014022120A/N	14.00	22.00	12.00	O/R
RP014024050A/N	14.00	24.00	5.00	6.40
RP014024060A/N	14.00	24.00	6.00	O/R
RP014024080A/N	14.00	24.00	8.00	O/R
RP014024090A/N	14.00	24.00	9.00	O/R
RP014026060A/N	14.00	26.00	6.00	O/R
RP014028070A/N	14.00	28.00	7.00	O/R
RP014028100A/N	14.00	28.00	10.00	6.40

A/N SERIES - NBR 90A

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP014030080A/N	14.00	30.00	8.00	O/R
RP014032080A/N	14.00	32.00	8.00	O/R
RP014032100A/N	14.00	32.00	10.00	6.40
RP015020030A/N	15.00	20.00	3.00	O/R
RP015022040A/N	15.00	22.00	4.00	O/R
RP015022055A/N	15.00	22.00	5.50	O/R
RP015024045A/N	15.00	24.00	4.50	O/R
RP015024070A/N	15.00	24.00	7.00	O/R
RP015025050A/N	15.00	25.00	5.00	6.40
RP015025060A/N	15.00	25.00	6.00	O/R
RP015025080A/N	15.00	25.00	8.00	O/R
RP015025090A/N	15.00	25.00	9.00	O/R
RP015025100A/N	15.00	25.00	10.00	O/R
RP015027060A/N	15.00	27.00	6.00	6.60
RP015027070A/N	15.00	27.00	7.00	O/R
RP015028080A/N	15.00	28.00	8.00	O/R
RP015028100A/N	15.00	28.00	10.00	O/R
RP015028110A/N	15.00	28.00	11.00	O/R
RP015030060A/N	15.00	30.00	6.00	O/R
RP015030075A/N	15.00	30.00	7.50	6.60
RP015030080A/N	15.00	30.00	8.00	6.60
RP015030100A/N	15.00	30.00	10.00	O/R
RP015032085A/N	15.00	32.00	8.50	O/R
RP015035100A/N	15.00	35.00	10.00	6.60
RP016022030A/N	16.00	22.00	3.00	O/R
RP016022040A/N	16.00	22.00	4.00	O/R
RP016022045A/N	16.00	22.00	4.50	O/R
RP016022050A/N	16.00	22.00	5.00	O/R
RP016022055A/N	16.00	22.00	5.50	O/R
RP016022060A/N	16.00	22.00	6.00	O/R
RP016024050A/N	16.00	24.00	5.00	O/R
RP016024060A/N	16.00	24.00	6.00	O/R
RP016024090A/N	16.00	24.00	9.00	O/R
RP016024100A/N	16.00	24.00	10.00	O/R
RP016025050A/N	16.00	25.00	5.00	O/R
RP016025080A/N	16.00	25.00	8.00	O/R
RP016026050A/N	16.00	26.00	5.00	6.60
RP016026060A/N	16.00	26.00	6.00	O/R
RP016026080A/N	16.00	26.00	8.00	O/R
RP016026090A/N	16.00	26.00	9.00	O/R
RP016026100A/N	16.00	26.00	10.00	O/R
RP016027055A/N	16.00	27.00	5.50	O/R
RP016028060A/N	16.00	28.00	6.00	6.60
RP016028070A/N	16.00	28.00	7.00	O/R
RP016028075A/N	16.00	28.00	7.50	O/R
RP016028090A/N	16.00	28.00	9.00	O/R
RP016029060A/N	16.00	29.00	6.00	O/R
RP016030060A/N	16.00	30.00	6.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP016032080A/N	16.00	32.00	8.00	6.60
RP016032090A/N	16.00	32.00	9.00	O/R
RP016032100A/N	16.00	32.00	10.00	O/R
RP016032110A/N	16.00	32.00	11.00	O/R
RP016035090A/N	16.00	35.00	9.00	O/R
RP016036100A/N	16.00	36.00	10.00	6.75
RP016040120A/N	16.00	40.00	12.00	O/R
RP017025040A/N	17.00	25.00	4.00	6.75
RP017025100A/N	17.00	25.00	10.00	O/R
RP017032070A/N	17.00	32.00	7.00	O/R
RP017035060A/N	17.00	35.00	6.00	O/R
RP017035100A/N	17.00	35.00	10.00	O/R
RP017038100A/N	17.00	38.00	10.00	O/R
RP018024040A/N	18.00	24.00	4.00	O/R
RP018024050A/N	18.00	24.00	5.00	O/R
RP018025040A/N	18.00	25.00	4.00	O/R
RP018025050A/N	18.00	25.00	5.00	6.75
RP018025055A/N	18.00	25.00	5.50	O/R
RP018026040A/N	18.00	26.00	4.00	6.75
RP018026050A/N	18.00	26.00	5.00	O/R
RP018026065A/N	18.00	26.00	6.50	O/R
RP018026075A/N	18.00	26.00	7.50	O/R
RP018026080A/N	18.00	26.00	8.00	O/R
RP018026085A/N	18.00	26.00	8.50	O/R
RP018026095A/N	18.00	26.00	9.50	O/R
RP018028050A/N	18.00	28.00	5.00	6.75
RP018028060A/N	18.00	28.00	6.00	O/R
RP018028080A/N	18.00	28.00	8.00	O/R
RP018028100A/N	18.00	28.00	10.00	O/R
RP018030060A/N	18.00	30.00	6.00	6.75
RP018030075A/N	18.00	30.00	7.50	O/R
RP018030080A/N	18.00	30.00	8.00	O/R
RP018030085A/N	18.00	30.00	8.50	O/R
RP018030090A/N	18.00	30.00	9.00	O/R
RP018030100A/N	18.00	30.00	10.00	6.75
RP018032070A/N	18.00	32.00	7.00	O/R
RP018034080A/N	18.00	34.00	8.00	6.75
RP018034120A/N	18.00	34.00	12.00	O/R
RP018035085A/N	18.00	35.00	8.50	O/R
RP018035100A/N	18.00	35.00	10.00	O/R
RP018035120A/N	18.00	35.00	12.00	O/R
RP018036060A/N	18.00	36.00	6.00	O/R
RP018038100A/N	18.00	38.00	10.00	O/R
RP018040100A/N	18.00	40.00	10.00	7.05
RP018040110A/N	18.00	40.00	11.00	O/R
RP019025060A/N	19.00	25.00	6.00	O/R
RP019026050A/N	19.00	26.00	5.00	O/R
RP019034080A/N	19.00	34.00	8.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP019034100A/N	19.00	34.00	10.00	O/R
RP019037100A/N	19.00	37.00	10.00	O/R
RP020025030A/N	20.00	25.00	3.00	O/R
RP020027060A/N	20.00	27.00	6.00	O/R
RP020028040A/N	20.00	28.00	4.00	7.05
RP020028050A/N	20.00	28.00	5.00	O/R
RP020028060A/N	20.00	28.00	6.00	O/R
RP020028080A/N	20.00	28.00	8.00	O/R
RP020028090A/N	20.00	28.00	9.00	O/R
RP020029050A/N	20.00	29.00	5.00	O/R
RP020029055A/N	20.00	29.00	5.50	O/R
RP020030050A/N	20.00	30.00	5.00	7.05
RP020030060A/N	20.00	30.00	6.00	O/R
RP020030080A/N	20.00	30.00	8.00	O/R
RP020030090A/N	20.00	30.00	9.00	O/R
RP020030100A/N	20.00	30.00	10.00	O/R
RP020030110A/N	20.00	30.00	11.00	O/R
RP020032060A/N	20.00	32.00	6.00	7.05
RP020032075A/N	20.00	32.00	7.50	O/R
RP020032080A/N	20.00	32.00	8.00	O/R
RP020032085A/N	20.00	32.00	8.50	O/R
RP020033060A/N	20.00	33.00	6.00	O/R
RP020035075A/N	20.00	35.00	7.50	7.25
RP020035100A/N	20.00	35.00	10.00	7.25
RP020035120A/N	20.00	35.00	12.00	O/R
RP020035130A/N	20.00	35.00	13.00	O/R
RP020036080A/N	20.00	36.00	8.00	7.25
RP020036100A/N	20.00	36.00	10.00	O/R
RP020038085A/N	20.00	38.00	8.50	O/R
RP020038090A/N	20.00	38.00	9.00	O/R
RP020038100A/N	20.00	38.00	10.00	O/R
RP020039100A/N	20.00	39.00	10.00	O/R
RP020040050A/N	20.00	40.00	5.00	O/R
RP020040100A/N	20.00	40.00	10.00	7.25
RP020040110A/N	20.00	40.00	11.00	O/R
RP020040120A/N	20.00	40.00	12.00	O/R
RP020043120A/N	20.00	43.00	12.00	7.25
RP020045120A/N	20.00	45.00	12.00	O/R
RP021033060A/N	21.00	33.00	6.00	7.25
RP021037120A/N	21.00	37.00	12.00	O/R
RP022028050A/N	22.00	28.00	5.00	O/R
RP022028060A/N	22.00	28.00	6.00	O/R
RP022028080A/N	22.00	28.00	8.00	O/R
RP022028090A/N	22.00	28.00	9.00	O/R
RP022030040A/N	22.00	30.00	4.00	7.25
RP022030050A/N	22.00	30.00	5.00	O/R
RP022030060A/N	22.00	30.00	6.00	7.25
RP022030070A/N	22.00	30.00	7.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP022030075A/N	22.00	30.00	7.50	O/R
RP022030100A/N	22.00	30.00	10.00	O/R
RP022032050A/N	22.00	32.00	5.00	7.25
RP022032060A/N	22.00	32.00	6.00	O/R
RP022032070A/N	22.00	32.00	7.00	O/R
RP022032080A/N	22.00	32.00	8.00	7.25
RP022032090A/N	22.00	32.00	9.00	O/R
RP022032100A/N	22.00	32.00	10.00	O/R
RP022032110A/N	22.00	32.00	11.00	O/R
RP022034060A/N	22.00	34.00	6.00	7.35
RP022034100A/N	22.00	34.00	10.00	7.35
RP022035070A/N	22.00	35.00	7.00	O/R
RP022035100A/N	22.00	35.00	10.00	O/R
RP022035110A/N	22.00	35.00	11.00	O/R
RP022036080A/N	22.00	36.00	8.00	O/R
RP022037100A/N	22.00	37.00	10.00	O/R
RP022038080A/N	22.00	38.00	8.00	O/R
RP022038100A/N	22.00	38.00	10.00	O/R
RP022040100A/N	22.00	40.00	10.00	O/R
RP022042100A/N	22.00	42.00	10.00	7.35
RP022046120A/N	22.00	46.00	12.00	O/R
RP023032050A/N	23.00	32.00	5.00	O/R
RP023035060A/N	23.00	35.00	6.00	7.35
RP023035100A/N	23.00	35.00	10.00	O/R
RP023038100A/N	23.00	38.00	10.00	O/R
RP023043100A/N	23.00	43.00	10.00	O/R
RP024030050A/N	24.00	30.00	5.00	O/R
RP024031050A/N	24.00	31.00	5.00	O/R
RP024032040A/N	24.00	32.00	4.00	7.35
RP024032070A/N	24.00	32.00	7.00	O/R
RP024032080A/N	24.00	32.00	8.00	O/R
RP024034050A/N	24.00	34.00	5.00	7.35
RP024034100A/N	24.00	34.00	10.00	O/R
RP024036060A/N	24.00	36.00	6.00	7.35
RP024036075A/N	24.00	36.00	7.50	O/R
RP024037060A/N	24.00	37.00	6.00	O/R
RP024040080A/N	24.00	40.00	8.00	O/R
RP024040090A/N	24.00	40.00	9.00	O/R
RP024040100A/N	24.00	40.00	10.00	O/R
RP024040120A/N	24.00	40.00	12.00	O/R
RP024044100A/N	24.00	44.00	10.00	O/R
RP024050120A/N	24.00	50.00	12.00	O/R
RP025032040A/N	25.00	32.00	4.00	O/R
RP025032070A/N	25.00	32.00	7.00	O/R
RP025033040A/N	25.00	33.00	4.00	7.55
RP025033050A/N	25.00	33.00	5.00	O/R
RP025033070A/N	25.00	33.00	7.00	O/R
RP025035050A/N	25.00	35.00	5.00	7.55

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP025035055A/N	25.00	35.00	5.50	O/R
RP025035060A/N	25.00	35.00	6.00	O/R
RP025035070A/N	25.00	35.00	7.00	O/R
RP025035080A/N	25.00	35.00	8.00	7.55
RP025035090A/N	25.00	35.00	9.00	O/R
RP025035100A/N	25.00	35.00	10.00	O/R
RP025035110A/N	25.00	35.00	11.00	O/R
RP025036050A/N	25.00	36.00	5.00	O/R
RP025037060A/N	25.00	37.00	6.00	8.35
RP025037070A/N	25.00	37.00	7.00	O/R
RP025038070A/N	25.00	38.00	7.00	O/R
RP025038080A/N	25.00	38.00	8.00	O/R
RP025038090A/N	25.00	38.00	9.00	O/R
RP025038100A/N	25.00	38.00	10.00	O/R
RP025038110A/N	25.00	38.00	11.00	O/R
RP025039070A/N	25.00	39.00	7.00	O/R
RP025040060A/N	25.00	40.00	6.00	O/R
RP025040075A/N	25.00	40.00	7.50	8.70
RP025040080A/N	25.00	40.00	8.00	O/R
RP025040100A/N	25.00	40.00	10.00	7.55
RP025040110A/N	25.00	40.00	11.00	O/R
RP025042080A/N	25.00	42.00	8.00	7.55
RP025042085A/N	25.00	42.00	8.50	O/R
RP025045100A/N	25.00	45.00	10.00	7.55
RP025045120A/N	25.00	45.00	12.00	O/R
RP025047120A/N	25.00	47.00	12.00	O/R
RP025050100A/N	25.00	50.00	10.00	O/R
RP025050120A/N	25.00	50.00	12.00	8.35
RP025052120A/N	25.00	52.00	12.00	O/R
RP026034040A/N	26.00	34.00	4.00	7.55
RP026035050A/N	26.00	35.00	5.00	O/R
RP026036050A/N	26.00	36.00	5.00	7.55
RP026036060A/N	26.00	36.00	6.00	O/R
RP026036070A/N	26.00	36.00	7.00	O/R
RP026038060A/N	26.00	38.00	6.00	8.35
RP026042080A/N	26.00	42.00	8.00	O/R
RP026046100A/N	26.00	46.00	10.00	7.55
RP026047120A/N	26.00	47.00	12.00	O/R
RP026056140A/N	26.00	56.00	14.00	O/R
RP027035040A/N	27.00	35.00	4.00	7.55
RP027036060A/N	27.00	36.00	6.00	O/R
RP027038060A/N	27.00	38.00	6.00	O/R
RP027042100A/N	27.00	42.00	10.00	O/R
RP028035050A/N	28.00	35.00	5.00	O/R
RP028035055A/N	28.00	35.00	5.50	O/R
RP028035060A/N	28.00	35.00	6.00	O/R
RP028036040A/N	28.00	36.00	4.00	7.75
RP028036050A/N	28.00	36.00	5.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP028036060A/N	28.00	36.00	6.00	O/R
RP028036065A/N	28.00	36.00	6.50	O/R
RP028036075A/N	28.00	36.00	7.50	O/R
RP028038050A/N	28.00	38.00	5.00	8.15
RP028038060A/N	28.00	38.00	6.00	O/R
RP028038070A/N	28.00	38.00	7.00	O/R
RP028038080A/N	28.00	38.00	8.00	O/R
RP028038090A/N	28.00	38.00	9.00	O/R
RP028038100A/N	28.00	38.00	10.00	O/R
RP028040060A/N	28.00	40.00	6.00	8.55
RP028040075A/N	28.00	40.00	7.50	O/R
RP028040100A/N	28.00	40.00	10.00	O/R
RP028041060A/N	28.00	41.00	6.00	O/R
RP028043100A/N	28.00	43.00	10.00	O/R
RP028044080A/N	28.00	44.00	8.00	O/R
RP028045100A/N	28.00	45.00	10.00	O/R
RP028046100A/N	28.00	46.00	10.00	O/R
RP028047100A/N	28.00	47.00	10.00	O/R
RP028048100A/N	28.00	48.00	10.00	8.55
RP028048120A/N	28.00	48.00	12.00	O/R
RP029037040A/N	29.00	37.00	4.00	8.55
RP029045080A/N	29.00	45.00	8.00	O/R
RP030037060A/N	30.00	37.00	6.00	O/R
RP030037080A/N	30.00	37.00	8.00	O/R
RP030038040A/N	30.00	38.00	4.00	8.55
RP030038050A/N	30.00	38.00	5.00	O/R
RP030038060A/N	30.00	38.00	6.00	O/R
RP030038065A/N	30.00	38.00	6.50	O/R
RP030038070A/N	30.00	38.00	7.00	O/R
RP030038120A/N	30.00	38.00	12.00	O/R
RP030040050A/N	30.00	40.00	5.00	8.55
RP030040055A/N	30.00	40.00	5.50	O/R
RP030040060A/N	30.00	40.00	6.00	O/R
RP030040065A/N	30.00	40.00	6.50	O/R
RP030040070A/N	30.00	40.00	7.00	O/R
RP030040090A/N	30.00	40.00	9.00	O/R
RP030040100A/N	30.00	40.00	10.00	O/R
RP030040110A/N	30.00	40.00	11.00	O/R
RP030040115A/N	30.00	40.00	11.50	O/R
RP030041080A/N	30.00	41.00	8.00	O/R
RP030042060A/N	30.00	42.00	6.00	O/R
RP030042090A/N	30.00	42.00	9.00	O/R
RP030042100A/N	30.00	42.00	10.00	O/R
RP030042110A/N	30.00	42.00	11.00	O/R
RP030043065A/N	30.00	43.00	6.50	O/R
RP030045075A/N	30.00	45.00	7.50	9.05
RP030045090A/N	30.00	45.00	9.00	O/R
RP030045100A/N	30.00	45.00	10.00	9.05

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP030045110A/N	30.00	45.00	11.00	O/R
RP030047100A/N	30.00	47.00	10.00	O/R
RP030048090A/N	30.00	48.00	9.00	O/R
RP030050100A/N	30.00	50.00	10.00	O/R
RP030050110A/N	30.00	50.00	11.00	O/R
RP030050120A/N	30.00	50.00	12.00	O/R
RP030050130A/N	30.00	50.00	13.00	O/R
RP030052110A/N	30.00	52.00	11.00	O/R
RP030054120A/N	30.00	54.00	12.00	O/R
RP030055120A/N	30.00	55.00	12.00	O/R
RP030055150A/N	30.00	55.00	15.00	O/R
RP030060150A/N	30.00	60.00	15.00	10.15
RP031038070A/N	31.00	38.00	7.00	O/R
RP031044060A/N	31.50	44.50	6.00	O/R
RP032040040A/N	32.00	40.00	4.00	9.05
RP032040050A/N	32.00	40.00	5.00	O/R
RP032040055A/N	32.00	40.00	5.50	O/R
RP032040060A/N	32.00	40.00	6.00	O/R
RP032040070A/N	32.00	40.00	7.00	O/R
RP032040080A/N	32.00	40.00	8.00	O/R
RP032040100A/N	32.00	40.00	10.00	O/R
RP032042050A/N	32.00	42.00	5.00	9.05
RP032042060A/N	32.00	42.00	6.00	O/R
RP032042100A/N	32.00	42.00	10.00	O/R
RP032042110A/N	32.00	42.00	11.00	O/R
RP032044060A/N	32.00	44.00	6.00	9.10
RP032044075A/N	32.00	44.00	7.50	O/R
RP032045065A/N	32.00	45.00	6.50	O/R
RP032045100A/N	32.00	45.00	10.00	9.10
RP032045110A/N	32.00	45.00	11.00	O/R
RP032047100A/N	32.00	47.00	10.00	O/R
RP032048080A/N	32.00	48.00	8.00	O/R
RP032050090A/N	32.00	50.00	9.00	O/R
RP032050100A/N	32.00	50.00	10.00	O/R
RP032050120A/N	32.00	50.00	12.00	O/R
RP032050135A/N	32.00	50.00	13.50	O/R
RP032052100A/N	32.00	52.00	10.00	9.10
RP032058130A/N	32.00	58.00	13.00	O/R
RP033043050A/N	33.00	43.00	5.00	O/R
RP033043060A/N	33.00	43.00	6.00	O/R
RP033045060A/N	33.00	45.00	6.00	9.30
RP033055120A/N	33.00	55.00	12.00	O/R
RP034044050A/N	34.00	44.00	5.00	O/R
RP034045070A/N	34.00	45.00	7.00	O/R
RP034045080A/N	34.00	45.00	8.00	O/R
RP034045090A/N	34.00	45.00	9.00	O/R
RP034046080A/N	34.00	46.00	8.00	O/R
RP034050150A/N	34.00	50.00	15.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP034074100A/N	34.00	74.00	10.00	O/R
RP035042080A/N	35.00	42.00	8.00	O/R
RP035043070A/N	35.00	43.00	7.00	O/R
RP035045050A/N	35.00	45.00	5.00	9.30
RP035045060A/N	35.00	45.00	6.00	O/R
RP035045080A/N	35.00	45.00	8.00	O/R
RP035045090A/N	35.00	45.00	9.00	O/R
RP035045100A/N	35.00	45.00	10.00	O/R
RP035045110A/N	35.00	45.00	11.00	O/R
RP035047060A/N	35.00	47.00	6.00	9.30
RP035048100A/N	35.00	48.00	10.00	O/R
RP035048110A/N	35.00	48.00	11.00	O/R
RP035050070A/N	35.00	50.00	7.00	O/R
RP035050075A/N	35.00	50.00	7.50	9.30
RP035050080A/N	35.00	50.00	8.00	O/R
RP035050090A/N	35.00	50.00	9.00	O/R
RP035050095A/N	35.00	50.00	9.50	O/R
RP035050100A/N	35.00	50.00	10.00	9.50
RP035050110A/N	35.00	50.00	11.00	O/R
RP035051080A/N	35.00	51.00	8.00	O/R
RP035052100A/N	35.00	52.00	10.00	O/R
RP035052120A/N	35.00	52.00	12.00	O/R
RP035055100A/N	35.00	55.00	10.00	9.50
RP035055110A/N	35.00	55.00	11.00	O/R
RP035055120A/N	35.00	55.00	12.00	O/R
RP035055130A/N	35.00	55.00	13.00	O/R
RP035056100A/N	35.00	56.00	10.00	O/R
RP035060120A/N	35.00	60.00	12.00	9.50
RP036045100A/N	36.00	45.00	10.00	O/R
RP036046050A/N	36.00	46.00	5.00	9.50
RP036046060A/N	36.00	46.00	6.00	O/R
RP036046070A/N	36.00	46.00	7.00	O/R
RP036046080A/N	36.00	46.00	8.00	O/R
RP036046100A/N	36.00	46.00	10.00	O/R
RP036048060A/N	36.00	48.00	6.00	O/R
RP036048075A/N	36.00	48.00	7.50	O/R
RP036050070A/N	36.00	50.00	7.00	O/R
RP036050080A/N	36.00	50.00	8.00	O/R
RP036051071A/N	36.00	51.00	7.10	O/R
RP036051075A/N	36.00	51.00	7.50	O/R
RP036051100A/N	36.00	51.00	10.00	O/R
RP036052100A/N	36.00	52.00	10.00	O/R
RP036055100A/N	36.00	55.00	10.00	O/R
RP036070100A/N	36.00	70.00	10.00	O/R
RP038045050A/N	38.00	45.00	5.00	O/R
RP038045055A/N	38.00	45.00	5.50	O/R
RP038045060A/N	38.00	45.00	6.00	O/R
RP038045075A/N	38.00	45.00	7.50	O/R

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Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP038046065A/N	38.00	46.00	6.50	O/R
RP038046120A/N	38.00	46.00	12.00	O/R
RP038048050A/N	38.00	48.00	5.00	9.80
RP038050060A/N	38.00	50.00	6.00	9.80
RP038050090A/N	38.00	50.00	9.00	O/R
RP038050100A/N	38.00	50.00	10.00	O/R
RP038050120A/N	38.00	50.00	12.00	O/R
RP038052095A/N	38.00	52.50	9.50	O/R
RP038053100A/N	38.00	53.00	10.00	O/R
RP038055100A/N	38.00	55.00	10.00	O/R
RP038055110A/N	38.00	55.00	11.00	O/R
RP038056090A/N	38.00	56.00	9.00	O/R
RP038058100A/N	38.00	58.00	10.00	9.80
RP038058110A/N	38.00	58.00	11.00	O/R
RP038058120A/N	38.00	58.00	12.00	O/R
RP038060120A/N	38.00	60.00	12.00	O/R
RP038074060A/N	38.00	74.00	6.00	O/R
RP039045040A/N	39.00	45.00	4.00	O/R
RP040046040A/N	40.00	46.00	4.00	O/R
RP040048050A/N	40.00	48.00	5.00	O/R
RP040048080A/N	40.00	48.00	8.00	O/R
RP040048110A/N	40.00	48.00	11.00	O/R
RP040048120A/N	40.00	48.00	12.00	O/R
RP040050050A/N	40.00	50.00	5.00	9.80
RP040050060A/N	40.00	50.00	6.00	9.80
RP040050065A/N	40.00	50.00	6.50	O/R
RP040050070A/N	40.00	50.00	7.00	O/R
RP040050075A/N	40.00	50.00	7.50	O/R
RP040050090A/N	40.00	50.00	9.00	O/R
RP040050100A/N	40.00	50.00	10.00	O/R
RP040050110A/N	40.00	50.00	11.00	O/R
RP040052060A/N	40.00	52.00	6.00	9.80
RP040052070A/N	40.00	52.00	7.00	O/R
RP040052075A/N	40.00	52.00	7.50	O/R
RP040052080A/N	40.00	52.00	8.00	O/R
RP040052100A/N	40.00	52.00	10.00	O/R
RP040052120A/N	40.00	52.00	12.00	O/R
RP040055075A/N	40.00	55.00	7.50	10.10
RP040055095A/N	40.00	55.00	9.50	O/R
RP040055100A/N	40.00	55.00	10.00	O/R
RP040055110A/N	40.00	55.00	11.00	O/R
RP040056080A/N	40.00	56.00	8.00	O/R
RP040056100A/N	40.00	56.00	10.00	10.10
RP040056110A/N	40.00	56.00	11.00	O/R
RP040058100A/N	40.00	58.00	10.00	O/R
RP040060100A/N	40.00	60.00	10.00	10.10
RP040060110A/N	40.00	60.00	11.00	O/R
RP040060120A/N	40.00	60.00	12.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP040060130A/N	40.00	60.00	13.00	O/R
RP040060140A/N	40.00	60.00	14.00	O/R
RP040060180A/N	40.00	60.00	18.00	O/R
RP040062120A/N	40.00	62.00	12.00	O/R
RP040064120A/N	40.00	64.00	12.00	O/R
RP040065120A/N	40.00	65.00	12.00	10.20
RP040065130A/N	40.00	65.00	13.00	O/R
RP040065150A/N	40.00	65.00	15.00	O/R
RP040070150A/N	40.00	70.00	15.00	O/R
RP040070160A/N	40.00	70.00	16.00	O/R
RP040076120A/N	40.00	76.00	12.00	O/R
RP041056085A/N	41.00	56.00	8.50	O/R
RP041056100A/N	41.00	56.00	10.00	O/R
RP042050050A/N	42.00	50.00	5.00	O/R
RP042050060A/N	42.00	50.00	6.00	O/R
RP042050080A/N	42.00	50.00	8.00	O/R
RP042050090A/N	42.00	50.00	9.00	O/R
RP042050100A/N	42.00	50.00	10.00	O/R
RP042052050A/N	42.00	52.00	5.00	10.20
RP042052060A/N	42.00	52.00	6.00	O/R
RP042052090A/N	42.00	52.00	9.00	O/R
RP042052100A/N	42.00	52.00	10.00	O/R
RP042054060A/N	42.00	54.00	6.00	10.40
RP042055065A/N	42.00	55.00	6.50	O/R
RP042055080A/N	42.00	55.00	8.00	O/R
RP042057100A/N	42.00	57.00	10.00	O/R
RP042062100A/N	42.00	62.00	10.00	O/R
RP042062120A/N	42.00	62.00	12.00	O/R
RP042062150A/N	42.00	62.00	15.00	O/R
RP042062180A/N	42.00	62.00	18.00	O/R
RP043050120A/N	43.00	50.00	12.00	O/R
RP043055060A/N	43.00	55.00	6.00	10.40
RP043063100A/N	43.00	63.00	10.00	O/R
RP044054040A/N	44.00	54.00	4.00	O/R
RP044055060A/N	44.00	55.00	6.00	O/R
RP044056060A/N	44.00	56.00	6.00	10.40
RP044056075A/N	44.00	56.00	7.50	O/R
RP044057090A/N	44.00	57.00	9.00	O/R
RP044064100A/N	44.00	64.00	10.00	O/R
RP045052080A/N	45.00	52.00	8.00	O/R
RP045053120A/N	45.00	53.00	12.00	O/R
RP045055050A/N	45.00	55.00	5.00	10.40
RP045055060A/N	45.00	55.00	6.00	O/R
RP045055065A/N	45.00	55.00	6.50	O/R
RP045055075A/N	45.00	55.00	7.50	O/R
RP045055100A/N	45.00	55.00	10.00	O/R
RP045055110A/N	45.00	55.00	11.00	O/R
RP045056070A/N	45.00	56.00	7.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP045057060A/N	45.00	57.00	6.00	O/R
RP045058065A/N	45.00	58.00	6.50	O/R
RP045058100A/N	45.00	58.00	10.00	O/R
RP045058120A/N	45.00	58.00	12.00	O/R
RP045060070A/N	45.00	60.00	7.00	O/R
RP045060075A/N	45.00	60.00	7.50	11.05
RP045060090A/N	45.00	60.00	9.00	O/R
RP045060100A/N	45.00	60.00	10.00	11.05
RP045060110A/N	45.00	60.00	11.00	O/R
RP045063090A/N	45.00	63.00	9.00	O/R
RP045063100A/N	45.00	63.00	10.00	O/R
RP045063110A/N	45.00	63.00	11.00	O/R
RP045063120A/N	45.00	63.00	12.00	O/R
RP045065100A/N	45.00	65.00	10.00	O/R
RP045065110A/N	45.00	65.00	11.00	O/R
RP045065120A/N	45.00	65.00	12.00	O/R
RP045065130A/N	45.00	65.00	13.00	O/R
RP045069120A/N	45.00	69.00	12.00	O/R
RP045070120A/N	45.00	70.00	12.00	O/R
RP045075150A/N	45.00	75.00	15.00	O/R
RP046054065A/N	46.00	54.00	6.50	O/R
RP046056050A/N	46.00	56.00	5.00	11.05
RP046058060A/N	46.00	58.00	6.00	11.05
RP046070120A/N	46.00	70.00	12.00	11.05
RP047065120A/N	47.00	65.00	12.00	O/R
RP047066100A/N	47.00	66.70	10.00	O/R
RP048058100A/N	48.00	58.00	10.00	O/R
RP048058110A/N	48.00	58.00	11.00	O/R
RP048060060A/N	48.00	60.00	6.00	11.25
RP048060075A/N	48.00	60.00	7.50	O/R
RP048063090A/N	48.00	63.00	9.00	O/R
RP048063100A/N	48.00	63.00	10.00	O/R
RP048063120A/N	48.00	63.00	12.00	O/R
RP048065100A/N	48.00	65.00	10.00	O/R
RP048068100A/N	48.00	68.00	10.00	11.25
RP048068120A/N	48.00	68.00	12.00	O/R
RP048070100A/N	48.00	70.00	10.00	O/R
RP048072120A/N	48.00	72.00	12.00	O/R
RP049065080A/N	49.00	65.00	8.00	O/R
RP050056080A/N	50.00	56.00	8.00	O/R
RP050057100A/N	50.00	57.00	10.00	O/R
RP050060050A/N	50.00	60.00	5.00	11.25
RP050060060A/N	50.00	60.00	6.00	O/R
RP050060070A/N	50.00	60.00	7.00	O/R
RP050060080A/N	50.00	60.00	8.00	O/R
RP050060100A/N	50.00	60.00	10.00	11.25
RP050060110A/N	50.00	60.00	11.00	O/R
RP050060120A/N	50.00	60.00	12.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP050062060A/N	50.00	62.00	6.00	O/R
RP050062090A/N	50.00	62.00	9.00	O/R
RP050062100A/N	50.00	62.00	10.00	O/R
RP050063060A/N	50.00	63.00	6.00	O/R
RP050063065A/N	50.00	63.00	6.50	O/R
RP050063070A/N	50.00	63.00	7.00	O/R
RP050063080A/N	50.00	63.00	8.00	O/R
RP050063090A/N	50.00	63.00	9.00	O/R
RP050063100A/N	50.00	63.00	10.00	O/R
RP050065075A/N	50.00	65.00	7.50	11.45
RP050065090A/N	50.00	65.00	9.00	O/R
RP050065100A/N	50.00	65.00	10.00	O/R
RP050065110A/N	50.00	65.00	11.00	O/R
RP050065120A/N	50.00	65.00	12.00	11.45
RP050068120A/N	50.00	68.00	12.00	O/R
RP050070075A/N	50.00	70.00	7.50	O/R
RP050070080A/N	50.00	70.00	8.00	O/R
RP050070100A/N	50.00	70.00	10.00	11.45
RP050070110A/N	50.00	70.00	11.00	O/R
RP050070120A/N	50.00	70.00	12.00	O/R
RP050070180A/N	50.00	70.00	18.00	O/R
RP050070190A/N	50.00	70.00	19.00	O/R
RP050072120A/N	50.00	72.00	12.00	O/R
RP050073130A/N	50.00	73.00	13.00	O/R
RP050074120A/N	50.00	74.00	12.00	O/R
RP050075120A/N	50.00	75.00	12.00	O/R
RP050075150A/N	50.00	75.00	15.00	O/R
RP050076120A/N	50.00	76.00	12.00	O/R
RP050080150A/N	50.00	80.00	15.00	O/R
RP050090180A/N	50.00	90.00	18.00	O/R
RP051060090A/N	51.00	60.50	9.00	O/R
RP051063060A/N	51.00	63.00	6.00	11.60
RP051064090A/N	51.00	64.00	9.00	O/R
RP052062060A/N	52.00	62.00	6.00	O/R
RP052062120A/N	52.00	62.00	12.00	O/R
RP052062130A/N	52.00	62.00	13.00	O/R
RP052064060A/N	52.00	64.00	6.00	O/R
RP052064075A/N	52.00	64.00	7.50	O/R
RP052068080A/N	52.00	68.00	8.00	O/R
RP052072120A/N	52.00	72.00	12.00	O/R
RP052075120A/N	52.00	75.00	12.00	O/R
RP052080150A/N	52.00	80.00	15.00	O/R
RP053063050A/N	53.00	63.00	5.00	11.60
RP053063060A/N	53.00	63.00	6.00	O/R
RP053063065A/N	53.00	63.00	6.50	O/R
RP053063075A/N	53.00	63.00	7.50	O/R
RP053065060A/N	53.00	65.00	6.00	11.60
RP053065100A/N	53.00	65.00	10.00	O/R

A/N SERIES - NBR 90A

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP054066060A/N	54.00	66.00	6.00	11.60
RP054072100A/N	54.00	72.00	10.00	O/R
RP055063120A/N	55.00	63.00	12.00	O/R
RP055065050A/N	55.00	65.00	5.00	11.60
RP055065060A/N	55.00	65.00	6.00	O/R
RP055065100A/N	55.00	65.00	10.00	O/R
RP055065110A/N	55.00	65.00	11.00	O/R
RP055065120A/N	55.00	65.00	12.00	O/R
RP055065130A/N	55.00	65.00	13.00	O/R
RP055067060A/N	55.00	67.00	6.00	11.80
RP055068065A/N	55.00	68.00	6.50	O/R
RP055068075A/N	55.00	68.00	7.50	O/R
RP055070075A/N	55.00	70.00	7.50	O/R
RP055070090A/N	55.00	70.00	9.00	O/R
RP055070100A/N	55.00	70.00	10.00	O/R
RP055070120A/N	55.00	70.00	12.00	O/R
RP055070130A/N	55.00	70.00	13.00	O/R
RP055075100A/N	55.00	75.00	10.00	11.80
RP055075120A/N	55.00	75.00	12.00	O/R
RP055075130A/N	55.00	75.00	13.00	O/R
RP055076100A/N	55.00	76.00	10.00	O/R
RP055080100A/N	55.00	80.00	10.00	O/R
RP055080120A/N	55.00	80.00	12.00	11.80
RP055080130A/N	55.00	80.00	13.00	O/R
RP055080150A/N	55.00	80.00	15.00	O/R
RP055085100A/N	55.00	85.00	10.00	O/R
RP055085150A/N	55.00	85.00	15.00	14.70
RP056066050A/N	56.00	66.00	5.00	O/R
RP056066060A/N	56.00	66.00	6.00	O/R
RP056070120A/N	56.00	70.00	12.00	O/R
RP056071100A/N	56.00	71.00	10.00	O/R
RP056075070A/N	56.00	75.00	7.00	O/R
RP056076100A/N	56.00	76.00	10.00	O/R
RP056076120A/N	56.00	76.00	12.00	O/R
RP056080150A/N	56.00	80.00	15.00	O/R
RP058070060A/N	58.00	70.00	6.00	12.05
RP058077095A/N	58.00	77.00	9.50	O/R
RP058078120A/N	58.00	78.00	12.00	O/R
RP058080100A/N	58.00	80.00	10.00	O/R
RP059080140A/N	59.00	80.00	14.00	O/R
RP060068080A/N	60.00	68.00	8.00	O/R
RP060068125A/N	60.00	68.00	12.50	O/R
RP060070050A/N	60.00	70.00	5.00	12.05
RP060070060A/N	60.00	70.00	6.00	O/R
RP060070070A/N	60.00	70.00	7.00	O/R
RP060070075A/N	60.00	70.00	7.50	O/R
RP060070080A/N	60.00	70.00	8.00	O/R
RP060070090A/N	60.00	70.00	9.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP060070100A/N	60.00	70.00	10.00	O/R
RP060070120A/N	60.00	70.00	12.00	O/R
RP060070130A/N	60.00	70.00	13.00	O/R
RP060071070A/N	60.00	71.00	7.00	O/R
RP060072110A/N	60.00	72.00	11.00	O/R
RP060074070A/N	60.00	74.00	7.00	O/R
RP060075075A/N	60.00	75.00	7.50	12.05
RP060075080A/N	60.00	75.00	8.00	O/R
RP060075090A/N	60.00	75.00	9.00	O/R
RP060075100A/N	60.00	75.00	10.00	O/R
RP060075110A/N	60.00	75.00	11.00	O/R
RP060075120A/N	60.00	75.00	12.00	O/R
RP060075130A/N	60.00	75.00	13.00	O/R
RP060076080A/N	60.00	76.00	8.00	O/R
RP060080100A/N	60.00	80.00	10.00	12.20
RP060080110A/N	60.00	80.00	11.00	O/R
RP060080120A/N	60.00	80.00	12.00	O/R
RP060080130A/N	60.00	80.00	13.00	O/R
RP060080180A/N	60.00	80.00	18.00	O/R
RP060080190A/N	60.00	80.00	19.00	O/R
RP060084120A/N	60.00	84.00	12.00	O/R
RP060085120A/N	60.00	85.00	12.00	O/R
RP060085125A/N	60.00	85.00	12.50	O/R
RP060085135A/N	60.00	85.00	13.50	O/R
RP060085150A/N	60.00	85.00	15.00	O/R
RP060090150A/N	60.00	90.00	15.00	17.25
RP060090160A/N	60.00	90.00	16.00	O/R
RP060095130A/N	60.00	95.00	13.00	O/R
RP061069065A/N	61.00	69.00	6.50	O/R
RP061073060A/N	61.00	73.00	6.00	O/R
RP061080120A/N	61.00	80.00	12.00	O/R
RP062072125A/N	62.00	72.00	12.50	O/R
RP062078080A/N	62.00	78.00	8.00	O/R
RP062082100A/N	62.00	82.00	10.00	O/R
RP062088120A/N	62.00	88.00	12.00	O/R
RP063072060A/N	63.00	72.00	6.00	O/R
RP063073050A/N	63.00	73.00	5.00	12.20
RP063073060A/N	63.00	73.00	6.00	O/R
RP063073120A/N	63.00	73.00	12.00	O/R
RP063075100A/N	63.00	75.00	10.00	O/R
RP063075110A/N	63.00	75.00	11.00	O/R
RP063075120A/N	63.00	75.00	12.00	O/R
RP063078100A/N	63.00	78.00	10.00	O/R
RP063080125A/N	63.00	80.00	12.50	O/R
RP063083120A/N	63.00	83.00	12.00	O/R
RP063083130A/N	63.00	83.00	13.00	O/R
RP063083150A/N	63.00	83.00	15.00	O/R
RP063083160A/N	63.00	83.00	16.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP063093150A/N	63.00	93.00	15.00	O/R
RP064076090A/N	64.00	76.00	9.00	O/R
RP064080080A/N	64.00	80.00	8.00	O/R
RP065073120A/N	65.00	73.00	12.00	O/R
RP065075050A/N	65.00	75.00	5.00	12.20
RP065075060A/N	65.00	75.00	6.00	O/R
RP065075100A/N	65.00	75.00	10.00	O/R
RP065075120A/N	65.00	75.00	12.00	O/R
RP065075130A/N	65.00	75.00	13.00	O/R
RP065080075A/N	65.00	80.00	7.50	O/R
RP065080090A/N	65.00	80.00	9.00	O/R
RP065080110A/N	65.00	80.00	11.00	O/R
RP065080120A/N	65.00	80.00	12.00	O/R
RP065080130A/N	65.00	80.00	13.00	O/R
RP065082120A/N	65.00	82.00	12.00	O/R
RP065085100A/N	65.00	85.00	10.00	12.35
RP065085110A/N	65.00	85.00	11.00	O/R
RP065085120A/N	65.00	85.00	12.00	O/R
RP065085130A/N	65.00	85.00	13.00	O/R
RP065086120A/N	65.00	86.00	12.00	O/R
RP065090080A/N	65.00	90.00	8.00	O/R
RP065090120A/N	65.00	90.00	12.00	15.45
RP065090130A/N	65.00	90.00	13.00	O/R
RP065090150A/N	65.00	90.00	15.00	O/R
RP065095120A/N	65.00	95.00	12.00	15.75
RP065095130A/N	65.00	95.00	13.00	O/R
RP065100120A/N	65.00	100.00	12.00	O/R
RP066076100A/N	66.00	76.00	10.00	O/R
RP066077060A/N	66.00	77.00	6.00	O/R
RP066080100A/N	66.00	80.00	10.00	O/R
RP067077060A/N	67.00	77.00	6.00	O/R
RP067077120A/N	67.00	77.00	12.00	O/R
RP067077130A/N	67.00	77.00	13.00	O/R
RP067080120A/N	67.00	80.00	12.00	O/R
RP068076065A/N	68.00	76.00	6.50	O/R
RP068078100A/N	68.00	78.00	10.00	O/R
RP068080120A/N	68.00	80.00	12.00	O/R
RP068092150A/N	68.00	92.00	15.00	O/R
RP070080050A/N	70.00	80.00	5.00	15.75
RP070080060A/N	70.00	80.00	6.00	O/R
RP070080070A/N	70.00	80.00	7.00	O/R
RP070080080A/N	70.00	80.00	8.00	O/R
RP070080090A/N	70.00	80.00	9.00	O/R
RP070080100A/N	70.00	80.00	10.00	O/R
RP070080110A/N	70.00	80.00	11.00	O/R
RP070080120A/N	70.00	80.00	12.00	O/R
RP070080130A/N	70.00	80.00	13.00	O/R
RP070081150A/N	70.00	81.00	15.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP070082120A/N	70.00	82.00	12.00	O/R
RP070085075A/N	70.00	85.00	7.50	17.40
RP070085080A/N	70.00	85.00	8.00	O/R
RP070085090A/N	70.00	85.00	9.00	O/R
RP070085105A/N	70.00	85.00	10.50	O/R
RP070085120A/N	70.00	85.00	12.00	O/R
RP070085130A/N	70.00	85.00	13.00	O/R
RP070090100A/N	70.00	90.00	10.00	15.75
RP070090120A/N	70.00	90.00	12.00	O/R
RP070090130A/N	70.00	90.00	13.00	O/R
RP070090150A/N	70.00	90.00	15.00	O/R
RP070090180A/N	70.00	90.00	18.00	O/R
RP070090190A/N	70.00	90.00	19.00	O/R
RP070095120A/N	70.00	95.00	12.00	O/R
RP070095130A/N	70.00	95.00	13.00	O/R
RP070095150A/N	70.00	95.00	15.00	O/R
RP070100100A/N	70.00	100.00	10.00	O/R
RP070100150A/N	70.00	100.00	15.00	O/R
RP070105100A/N	70.00	105.00	10.00	O/R
RP071080060A/N	71.00	80.00	6.00	O/R
RP072080100A/N	72.00	80.00	10.00	O/R
RP072080120A/N	72.00	80.00	12.00	O/R
RP072082050A/N	72.00	82.00	5.00	O/R
RP072084060A/N	72.00	84.00	6.00	O/R
RP072090100A/N	72.00	90.00	10.00	O/R
RP072090110A/N	72.00	90.00	11.00	O/R
RP072090120A/N	72.00	90.00	12.00	O/R
RP073093110A/N	73.00	93.00	11.00	O/R
RP074080080A/N	74.00	80.00	8.00	O/R
RP074090080A/N	74.00	90.00	8.00	O/R
RP075083120A/N	75.00	83.00	12.00	O/R
RP075085050A/N	75.00	85.00	5.00	O/R
RP075085060A/N	75.00	85.00	6.00	O/R
RP075085100A/N	75.00	85.00	10.00	O/R
RP075085120A/N	75.00	85.00	12.00	O/R
RP075085130A/N	75.00	85.00	13.00	O/R
RP075090075A/N	75.00	90.00	7.50	17.50
RP075090085A/N	75.00	90.00	8.50	O/R
RP075090090A/N	75.00	90.00	9.00	O/R
RP075090100A/N	75.00	90.00	10.00	O/R
RP075090105A/N	75.00	90.00	10.50	O/R
RP075090130A/N	75.00	90.00	13.00	O/R
RP075095100A/N	75.00	95.00	10.00	15.85
RP075095120A/N	75.00	95.00	12.00	O/R
RP075095130A/N	75.00	95.00	13.00	O/R
RP075095150A/N	75.00	95.00	15.00	O/R
RP075100120A/N	75.00	100.00	12.00	O/R
RP075100150A/N	75.00	100.00	15.00	O/R

A/N SERIES - NBR 90A

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP075105150A/N	75.00	105.00	15.00	19.80
RP078086080A/N	78.00	86.00	8.00	O/R
RP078088050A/N	78.00	88.00	5.00	O/R
RP078093105A/N	78.00	93.00	10.50	O/R
RP078093115A/N	78.00	93.00	11.50	O/R
RP078102120A/N	78.00	102.00	12.00	O/R
RP078104125A/N	78.00	104.00	12.50	O/R
RP080090050A/N	80.00	90.00	5.00	16.10
RP080090060A/N	80.00	90.00	6.00	O/R
RP080090100A/N	80.00	90.00	10.00	O/R
RP080090110A/N	80.00	90.00	11.00	O/R
RP080090120A/N	80.00	90.00	12.00	O/R
RP080090130A/N	80.00	90.00	13.00	O/R
RP080092100A/N	80.00	92.00	10.00	O/R
RP080093080A/N	80.00	93.00	8.00	O/R
RP080094060A/N	80.00	94.00	6.00	O/R
RP080095075A/N	80.00	95.00	7.50	18.00
RP080095080A/N	80.00	95.00	8.00	O/R
RP080095090A/N	80.00	95.00	9.00	O/R
RP080095120A/N	80.00	95.00	12.00	O/R
RP080095130A/N	80.00	95.00	13.00	O/R
RP080100100A/N	80.00	100.00	10.00	16.10
RP080100110A/N	80.00	100.00	11.00	O/R
RP080100120A/N	80.00	100.00	12.00	O/R
RP080100130A/N	80.00	100.00	13.00	O/R
RP080100150A/N	80.00	100.00	15.00	O/R
RP080100180A/N	80.00	100.00	18.00	O/R
RP080101120A/N	80.00	101.60	12.00	O/R
RP080105120A/N	80.00	105.00	12.00	O/R
RP080105150A/N	80.00	105.00	15.00	O/R
RP080110150A/N	80.00	110.00	15.00	23.35
RP080110180A/N	80.00	110.00	18.00	O/R
RP080115125A/N	80.00	115.00	12.50	O/R
RP080115150A/N	80.00	115.00	15.00	O/R
RP082092100A/N	82.00	92.00	10.00	O/R
RP082092110A/N	82.00	92.00	11.00	O/R
RP082100090A/N	82.00	100.00	9.00	O/R
RP082104125A/N	82.00	104.00	12.50	O/R
RP082108120A/N	82.00	108.00	12.00	O/R
RP083103140A/N	83.00	103.00	14.00	O/R
RP084103140A/N	84.00	103.00	14.00	O/R
RP085095075A/N	85.00	95.00	7.50	O/R
RP085095085A/N	85.00	95.00	8.50	O/R
RP085095090A/N	85.00	95.00	9.00	O/R
RP085095120A/N	85.00	95.00	12.00	O/R
RP085095130A/N	85.00	95.00	13.00	O/R
RP085100075A/N	85.00	100.00	7.50	18.00
RP085100090A/N	85.00	100.00	9.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP085100120A/N	85.00	100.00	12.00	O/R
RP085100130A/N	85.00	100.00	13.00	O/R
RP085105100A/N	85.00	105.00	10.00	18.00
RP085105120A/N	85.00	105.00	12.00	O/R
RP085105130A/N	85.00	105.00	13.00	O/R
RP085105150A/N	85.00	105.00	15.00	O/R
RP085105180A/N	85.00	105.00	18.00	O/R
RP085110120A/N	85.00	110.00	12.00	22.00
RP085110150A/N	85.00	110.00	15.00	O/R
RP085115150A/N	85.00	115.00	15.00	26.35
RP085115160A/N	85.00	115.00	16.00	O/R
RP086098120A/N	86.00	98.00	12.00	O/R
RP086105160A/N	86.00	105.00	16.00	O/R
RP086106100A/N	86.00	106.00	10.00	O/R
RP088096065A/N	88.00	96.00	6.50	O/R
RP088100060A/N	88.00	100.00	6.00	O/R
RP088108120A/N	88.00	108.00	12.00	O/R
RP089100120A/N	89.00	100.00	12.00	O/R
RP090098120A/N	90.00	98.00	12.00	O/R
RP090100050A/N	90.00	100.00	5.00	22.00
RP090100080A/N	90.00	100.00	8.00	O/R
RP090100090A/N	90.00	100.00	9.00	O/R
RP090100120A/N	90.00	100.00	12.00	O/R
RP090100130A/N	90.00	100.00	13.00	O/R
RP090100150A/N	90.00	100.00	15.00	O/R
RP090105075A/N	90.00	105.00	7.50	30.50
RP090105090A/N	90.00	105.00	9.00	O/R
RP090105120A/N	90.00	105.00	12.00	O/R
RP090105130A/N	90.00	105.00	13.00	O/R
RP090110100A/N	90.00	110.00	10.00	18.95
RP090110120A/N	90.00	110.00	12.00	O/R
RP090110130A/N	90.00	110.00	13.00	O/R
RP090110150A/N	90.00	110.00	15.00	O/R
RP090110180A/N	90.00	110.00	18.00	O/R
RP090110190A/N	90.00	110.00	19.00	O/R
RP090112120A/N	90.00	112.00	12.00	O/R
RP090115015A/N	90.00	115.00	1.50	O/R
RP090115120A/N	90.00	115.00	12.00	O/R
RP090115150A/N	90.00	115.00	15.00	O/R
RP090120150A/N	90.00	120.00	15.00	26.85
RP090120180A/N	90.00	120.00	18.00	O/R
RP091099065A/N	91.00	99.00	6.50	O/R
RP092116120A/N	92.00	116.00	12.00	O/R
RP093123150A/N	93.00	123.00	15.00	O/R
RP094124150A/N	94.00	124.00	15.00	O/R
RP095103120A/N	95.00	103.00	12.00	O/R
RP095105050A/N	95.00	105.00	5.00	28.45
RP095105110A/N	95.00	105.00	11.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP095105120A/N	95.00	105.00	12.00	O/R
RP095110075A/N	95.00	110.00	7.50	30.60
RP095110090A/N	95.00	110.00	9.00	O/R
RP095110120A/N	95.00	110.00	12.00	O/R
RP095110130A/N	95.00	110.00	13.00	O/R
RP095110150A/N	95.00	110.00	15.00	O/R
RP095110160A/N	95.00	110.00	16.00	O/R
RP095112110A/N	95.00	112.00	11.00	O/R
RP095112120A/N	95.00	112.00	12.00	O/R
RP095115075A/N	95.00	115.00	7.50	O/R
RP095115100A/N	95.00	115.00	10.00	19.80
RP095115120A/N	95.00	115.00	12.00	O/R
RP095115130A/N	95.00	115.00	13.00	O/R
RP095115150A/N	95.00	115.00	15.00	O/R
RP095115180A/N	95.00	115.00	18.00	O/R
RP095115190A/N	95.00	115.00	19.00	O/R
RP095120120A/N	95.00	120.00	12.00	O/R
RP095120130A/N	95.00	120.00	13.00	O/R
RP095120150A/N	95.00	120.00	15.00	O/R
RP095125130A/N	95.00	125.00	13.00	O/R
RP095125150A/N	95.00	125.00	15.00	27.20
RP096104115A/N	96.00	104.00	11.50	O/R
RP096105110A/N	96.00	105.00	11.00	O/R
RP097105080A/N	97.00	105.00	8.00	O/R
RP098108100A/N	98.00	108.00	10.00	O/R
RP098112085A/N	98.00	112.00	8.50	O/R
RP100110050A/N	100.00	110.00	5.00	30.95
RP100112090A/N	100.00	112.00	9.00	O/R
RP100114100A/N	100.00	114.00	10.00	O/R
RP100115075A/N	100.00	115.00	7.50	30.95
RP100115090A/N	100.00	115.00	9.00	O/R
RP100115120A/N	100.00	115.00	12.00	O/R
RP100115130A/N	100.00	115.00	13.00	O/R
RP100115140A/N	100.00	115.00	14.00	O/R
RP100117120A/N	100.00	117.50	12.00	O/R
RP100120100A/N	100.00	120.00	10.00	20.85
RP100120120A/N	100.00	120.00	12.00	O/R
RP100120130A/N	100.00	120.00	13.00	O/R
RP100120150A/N	100.00	120.00	15.00	O/R
RP100120180A/N	100.00	120.00	18.00	O/R
RP100125120A/N	100.00	125.00	12.00	24.15
RP100125130A/N	100.00	125.00	13.00	O/R
RP100125150A/N	100.00	125.00	15.00	24.15
RP100125160A/N	100.00	125.00	16.00	O/R
RP100125180A/N	100.00	125.00	18.00	O/R
RP100130150A/N	100.00	130.00	15.00	27.75
RP100130180A/N	100.00	130.00	18.00	O/R
RP100140200A/N	100.00	140.00	20.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP105120075A/N	105.00	120.00	7.50	30.95
RP105120080A/N	105.00	120.00	8.00	O/R
RP105120090A/N	105.00	120.00	9.00	O/R
RP105120150A/N	105.00	120.00	15.00	O/R
RP105125100A/N	105.00	125.00	10.00	O/R
RP105125120A/N	105.00	125.00	12.00	O/R
RP105125130A/N	105.00	125.00	13.00	O/R
RP105125150A/N	105.00	125.00	15.00	O/R
RP105125160A/N	105.00	125.00	16.00	O/R
RP105130120A/N	105.00	130.00	12.00	O/R
RP105130180A/N	105.00	130.00	18.00	O/R
RP105135180A/N	105.00	135.00	18.00	O/R
RP106118120A/N	106.00	118.00	12.00	O/R
RP106120085A/N	106.00	120.00	8.50	O/R
RP106130180A/N	106.00	130.00	18.00	O/R
RP107115065A/N	107.00	115.00	6.50	O/R
RP107127160A/N	107.00	127.40	16.00	O/R
RP108127095A/N	108.00	127.00	9.50	O/R
RP110125075A/N	110.00	125.00	7.50	30.95
RP110125120A/N	110.00	125.00	12.00	O/R
RP110125130A/N	110.00	125.00	13.00	O/R
RP110125150A/N	110.00	125.00	15.00	O/R
RP110130100A/N	110.00	130.00	10.00	O/R
RP110130120A/N	110.00	130.00	12.00	O/R
RP110130150A/N	110.00	130.00	15.00	O/R
RP110130160A/N	110.00	130.00	16.00	O/R
RP110130180A/N	110.00	130.00	18.00	O/R
RP110130190A/N	110.00	130.00	19.00	O/R
RP110135120A/N	110.00	135.00	12.00	30.95
RP110135180A/N	110.00	135.00	18.00	O/R
RP110140150A/N	110.00	140.00	15.00	30.95
RP110140180A/N	110.00	140.00	18.00	O/R
RP110150200A/N	110.00	150.00	20.00	O/R
RP112125090A/N	112.00	125.00	9.00	O/R
RP113125095A/N	113.00	125.00	9.50	O/R
RP113125105A/N	113.00	125.00	10.50	O/R
RP114124100A/N	114.00	124.00	10.00	O/R
RP115123120A/N	115.00	123.00	12.00	O/R
RP115125080A/N	115.00	125.00	8.00	O/R
RP115125150A/N	115.00	125.00	15.00	O/R
RP115125160A/N	115.00	125.00	16.00	O/R
RP115126150A/N	115.00	126.00	15.00	O/R
RP115129130A/N	115.00	129.00	13.00	O/R
RP115130075A/N	115.00	130.00	7.50	31.40
RP115130150A/N	115.00	130.00	15.00	O/R
RP115135120A/N	115.00	135.00	12.00	O/R
RP115135150A/N	115.00	135.00	15.00	O/R
RP115135160A/N	115.00	135.00	16.00	O/R

A/N SERIES - NBR 90A

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP115140120A/N	115.00	140.00	12.00	O/R
RP115140150A/N	115.00	140.00	15.00	O/R
RP115140180A/N	115.00	140.00	18.00	54.65
RP115145120A/N	115.00	145.00	12.00	28.70
RP115145180A/N	115.00	145.00	18.00	O/R
RP120130140A/N	120.00	130.00	14.00	O/R
RP120130150A/N	120.00	130.00	15.00	O/R
RP120135075A/N	120.00	135.00	7.50	O/R
RP120135100A/N	120.00	135.00	10.00	O/R
RP120135150A/N	120.00	135.00	15.00	O/R
RP120135160A/N	120.00	135.00	16.00	O/R
RP120140100A/N	120.00	140.00	10.00	25.05
RP120140120A/N	120.00	140.00	12.00	O/R
RP120140140A/N	120.00	140.00	14.00	O/R
RP120140150A/N	120.00	140.00	15.00	O/R
RP120140160A/N	120.00	140.00	16.00	O/R
RP120145180A/N	120.00	145.00	18.00	O/R
RP120150150A/N	120.00	150.00	15.00	35.15
RP120150180A/N	120.00	150.00	18.00	36.10
RP125140075A/N	125.00	140.00	7.50	36.10
RP125140090A/N	125.00	140.00	9.00	O/R
RP125140110A/N	125.00	140.00	11.00	O/R
RP125140120A/N	125.00	140.00	12.00	O/R
RP125140130A/N	125.00	140.00	13.00	O/R
RP125140150A/N	125.00	140.00	15.00	O/R
RP125145100A/N	125.00	145.00	10.00	O/R
RP125145120A/N	125.00	145.00	12.00	O/R
RP125145150A/N	125.00	145.00	15.00	O/R
RP125145160A/N	125.00	145.00	16.00	O/R
RP125145180A/N	125.00	145.00	18.00	O/R
RP125145190A/N	125.00	145.00	19.00	O/R
RP125147120A/N	125.00	147.00	12.00	O/R
RP125150180A/N	125.00	150.00	18.00	O/R
RP125154200A/N	125.00	154.00	20.00	O/R
RP125155150A/N	125.00	155.00	15.00	37.35
RP125155160A/N	125.00	155.00	16.00	O/R
RP125155180A/N	125.00	155.00	18.00	O/R
RP127142120A/N	127.00	142.00	12.00	O/R
RP127151160A/N	127.00	151.00	16.00	O/R
RP128158180A/N	128.00	158.00	18.00	O/R
RP130140150A/N	130.00	140.00	15.00	O/R
RP130145150A/N	130.00	145.00	15.00	O/R
RP130150100A/N	130.00	150.00	10.00	O/R
RP130150120A/N	130.00	150.00	12.00	O/R
RP130150140A/N	130.00	150.00	14.00	O/R
RP130150150A/N	130.00	150.00	15.00	O/R
RP130150160A/N	130.00	150.00	16.00	O/R
RP130155180A/N	130.00	155.00	18.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP130160130A/N	130.00	160.00	13.00	O/R
RP130160150A/N	130.00	160.00	15.00	37.35
RP130160180A/N	130.00	160.00	18.00	O/R
RP132144120A/N	132.00	144.00	12.00	O/R
RP133149110A/N	133.00	149.00	11.00	O/R
RP135143120A/N	135.00	143.00	12.00	O/R
RP135150090A/N	135.00	150.00	9.00	O/R
RP135150100A/N	135.00	150.00	10.00	37.35
RP135150150A/N	135.00	150.00	15.00	O/R
RP135160120A/N	135.00	160.00	12.00	O/R
RP135160180A/N	135.00	160.00	18.00	37.35
RP135165120A/N	135.00	165.00	12.00	O/R
RP135165150A/N	135.00	165.00	15.00	O/R
RP135165180A/N	135.00	165.00	18.00	O/R
RP136150085A/N	136.00	150.00	8.50	O/R
RP140154100A/N	140.00	154.00	10.00	O/R
RP140160080A/N	140.00	160.00	8.00	O/R
RP140160100A/N	140.00	160.00	10.00	O/R
RP140160150A/N	140.00	160.00	15.00	O/R
RP140165180A/N	140.00	165.00	18.00	37.35
RP140170150A/N	140.00	170.00	15.00	37.35
RP140170180A/N	140.00	170.00	18.00	O/R
RP140170200A/N	140.00	170.00	20.00	O/R
RP140175150A/N	140.00	175.00	15.00	O/R
RP140175200A/N	140.00	175.00	20.00	O/R
RP145160080A/N	145.00	160.00	8.00	O/R
RP145165120A/N	145.00	165.00	12.00	O/R
RP145165180A/N	145.00	165.00	18.00	O/R
RP145170150A/N	145.00	170.00	15.00	O/R
RP145170180A/N	145.00	170.00	18.00	O/R
RP145175150A/N	145.00	175.00	15.00	38.25
RP145175180A/N	145.00	175.00	18.00	O/R
RP150165160A/N	150.00	165.00	16.00	O/R
RP150170100A/N	150.00	170.00	10.00	O/R
RP150170150A/N	150.00	170.00	15.00	O/R
RP150170180A/N	150.00	170.00	18.00	O/R
RP150180150A/N	150.00	180.00	15.00	38.25
RP150180180A/N	150.00	180.00	18.00	O/R
RP155163120A/N	155.00	163.00	12.00	O/R
RP155185150A/N	155.00	185.00	15.00	O/R
RP160168120A/N	160.00	168.00	12.00	O/R
RP160170150A/N	160.00	170.00	15.00	O/R
RP160175090A/N	160.00	175.00	9.00	O/R
RP160180140A/N	160.00	180.00	14.00	O/R
RP160180150A/N	160.00	180.00	15.00	O/R
RP160185150A/N	160.00	185.00	15.00	O/R
RP160190150A/N	160.00	190.00	15.00	46.80
RP160190220A/N	160.00	190.00	22.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP160195170A/N	160.00	195.00	17.00	O/R
RP160200200A/N	160.00	200.00	20.00	58.75
RP165180090A/N	165.00	180.00	9.00	38.25
RP165195150A/N	165.00	195.00	15.00	O/R
RP168180140A/N	168.00	180.00	14.00	O/R
RP170200150A/N	170.00	200.00	15.00	58.75
RP170200200A/N	170.00	200.00	20.00	O/R
RP170200220A/N	170.00	200.00	22.00	O/R
RP170210200A/N	170.00	210.00	20.00	61.95
RP170210220A/N	170.00	210.00	22.00	O/R
RP175205150A/N	175.00	205.00	15.00	O/R
RP175205180A/N	175.00	205.00	18.00	O/R
RP180200100A/N	180.00	200.00	10.00	O/R
RP180204120A/N	180.00	204.00	12.00	O/R
RP180210150A/N	180.00	210.00	15.00	O/R
RP180210220A/N	180.00	210.00	22.00	61.95
RP180220200A/N	180.00	220.00	20.00	70.90
RP180220220A/N	180.00	220.00	22.00	O/R
RP185195120A/N	185.00	195.00	12.00	O/R
RP185200090A/N	185.00	200.00	9.00	O/R
RP185215150A/N	185.00	215.00	15.00	O/R
RP190210150A/N	190.00	210.00	15.00	O/R
RP190220150A/N	190.00	220.00	15.00	67.75
RP190220220A/N	190.00	220.00	22.00	O/R
RP190220250A/N	190.00	220.00	25.00	O/R
RP190230200A/N	190.00	230.00	20.00	O/R
RP195225150A/N	195.00	225.00	15.00	69.60
RP200220180A/N	200.00	220.00	18.00	O/R
RP200230150A/N	200.00	230.00	15.00	72.45
RP200230220A/N	200.00	230.00	22.00	O/R
RP200240200A/N	200.00	240.00	20.00	73.25
RP205230150A/N	205.00	230.00	15.00	O/R
RP210240200A/N	210.00	240.00	20.00	O/R
RP210250200A/N	210.00	250.00	20.00	85.40
RP215230075A/N	215.00	230.00	7.50	O/R
RP220250150A/N	220.00	250.00	15.00	O/R
RP220250200A/N	220.00	250.00	20.00	O/R
RP220260200A/N	220.00	260.00	20.00	94.45
RP225250180A/N	225.00	250.00	18.00	O/R
RP225255150A/N	225.00	255.00	15.00	O/R
RP230255150A/N	230.00	255.00	15.00	O/R
RP230260220A/N	230.00	260.00	22.00	O/R
RP230270200A/N	230.00	270.00	20.00	100.00
RP235275200A/N	235.00	275.00	20.00	O/R
RP240260160A/N	240.00	260.00	16.00	O/R
RP240270180A/N	240.00	270.00	18.00	O/R
RP240272160A/N	240.00	272.00	16.00	O/R
RP240280200A/N	240.00	280.00	20.00	106.75

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP250275120A/N	250.00	275.00	12.00	O/R
RP250280250A/N	250.00	280.00	25.00	O/R
RP250290200A/N	250.00	290.00	20.00	108.20
RP255275200A/N	255.00	275.00	20.00	O/R
RP255280200A/N	255.00	280.00	20.00	O/R
RP255285200A/N	255.00	285.00	20.00	O/R
RP255290200A/N	255.00	290.00	20.00	O/R
RP260285120A/N	260.00	285.00	12.00	O/R
RP260300200A/N	260.00	300.00	20.00	111.10
RP270300220A/N	270.00	300.00	22.00	O/R
RP270310200A/N	270.00	310.00	20.00	O/R
RP280300140A/N	280.00	300.00	14.00	O/R
RP280310150A/N	280.00	310.00	15.00	O/R
RP280320200A/N	280.00	320.00	20.00	130.65
RP280330250A/N	280.00	330.00	25.00	O/R
RP290330200A/N	290.00	330.00	20.00	O/R
RP300320150A/N	300.00	320.00	15.00	O/R
RP300325200A/N	300.00	325.00	20.00	O/R
RP300330160A/N	300.00	330.00	16.00	O/R
RP300330200A/N	300.00	330.00	20.00	O/R
RP300330220A/N	300.00	330.00	22.00	O/R
RP300336180A/N	300.00	336.00	18.00	O/R
RP300340200A/N	300.00	340.00	20.00	141.50
RP305335250A/N	305.00	335.00	25.00	O/R
RP310350200A/N	310.00	350.00	20.00	150.60
RP320350150A/N	320.00	350.00	15.00	O/R
RP320350220A/N	320.00	350.00	22.00	150.60
RP320360200A/N	320.00	360.00	20.00	159.05
RP330366180A/N	330.00	366.00	18.00	O/R
RP330370200A/N	330.00	370.00	20.00	O/R
RP335367240A/N	335.00	367.00	24.00	O/R
RP340380200A/N	340.00	380.00	20.00	165.40
RP342355220A/N	342.00	355.00	22.00	O/R
RP350400250A/N	350.00	400.00	25.00	179.75
RP360400200A/N	360.00	400.00	20.00	O/R
RP360420300A/N	360.00	420.00	30.00	O/R
RP375395120A/N	375.00	395.00	12.00	O/R
RP375400220A/N	375.00	400.00	22.00	O/R
RP380420200A/N	380.00	420.00	20.00	O/R
RP390415150A/N	390.00	415.00	15.00	O/R
RP400430150A/N	400.00	430.00	15.00	O/R
RP400440200A/N	400.00	440.00	20.00	O/R
RP400450250A/N	400.00	450.00	25.00	202.25
RP410450200A/N	410.00	450.00	20.00	O/R
RP420440200A/N	420.00	440.00	20.00	O/R
RP420450150A/N	420.00	450.00	15.00	O/R
RP420450200A/N	420.00	450.00	20.00	O/R
RP440480250A/N	440.00	480.00	25.00	O/R

A/N SERIES - NBR 90A

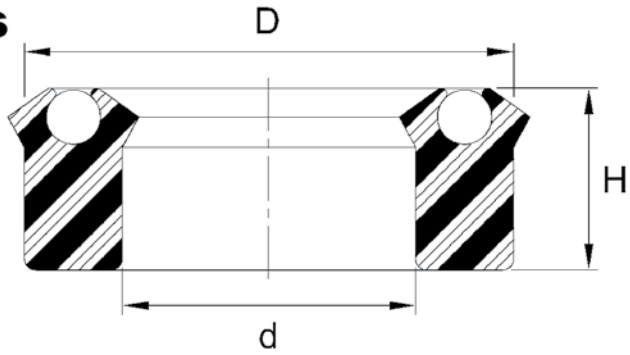
Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP450500250A/N	450.00	500.00	25.00	254.35
RP470490200A/N	470.00	490.00	20.00	O/R

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	

B - Rod/Piston Seals

Polyurethane/Nitrile





Temperature: -65/200F [-54/93C]

Pressure: 5000 PSI [345 Bar]

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP006014057B	6.00	14.00	5.70	14.35
RP008016057B	8.00	16.00	5.70	11.05
RP010018057B	10.00	18.00	5.70	16.15
RP010020073B	10.00	20.00	7.30	15.80
RP012020057B	12.00	20.00	5.70	17.60
RP012022073B	12.00	22.00	7.30	22.80
RP013020050B	13.00	20.00	5.00	21.15
RP013023073B	13.00	23.00	7.30	39.90
RP014022057B	14.00	22.00	5.70	12.35
RP014024073B	14.00	24.00	7.30	13.40
RP014030114B	14.00	30.00	11.40	51.45
RP015023057B	15.00	23.00	5.70	18.25

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP016022045B	16.00	22.20	4.50	12.30
RP016024057B	16.00	24.00	5.70	17.05
RP016026073B	16.00	26.00	7.30	15.45
RP018024050B	18.00	24.00	5.00	16.60
RP018026057B	18.00	26.00	5.70	14.60
RP018028073B	18.00	28.00	7.30	18.55
RP019029073B	19.00	29.00	7.30	33.15
RP020028055B	20.00	28.00	5.50	21.25
RP020028057B	20.00	28.00	5.70	13.85
RP020028065B	20.00	28.00	6.50	22.80
RP020030073B	20.00	30.00	7.30	13.45
RP022030057B	22.00	30.00	5.70	16.40

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP022032073B	22.00	32.00	7.30	16.15
RP022035100B	22.00	35.00	10.00	61.45
RP024030050B	24.00	30.00	5.00	18.60
RP024032070B	24.00	32.00	7.00	31.45
RP025033057B	25.00	33.00	5.70	13.20
RP025035070B	25.00	35.00	7.00	19.45
RP025035073B	25.00	35.00	7.30	20.40
RP025040100B	25.00	40.00	10.00	24.55
RP025040110B	25.00	40.00	11.00	45.95
RP028035065B	28.00	35.00	6.50	21.65
RP028036057B	28.00	36.00	5.70	19.90
RP028038073B	28.00	38.00	7.30	20.25
RP028043114B	28.00	43.00	11.40	85.45
RP030038057B	30.00	38.00	5.70	15.70
RP030038070B	30.00	38.00	7.00	21.40
RP030040070B	30.00	40.00	7.00	21.40
RP030040075B	30.00	40.00	7.50	15.50
RP030042100B	30.00	42.00	10.00	27.15
RP030045080B	30.00	45.00	8.00	22.95
RP030045114B	30.00	45.00	11.40	27.40
RP032040057B	32.00	40.00	5.70	16.70
RP032040060B	32.00	40.00	6.00	17.25
RP032042063B	32.00	42.00	6.30	28.25
RP032042069B	32.00	42.00	6.90	51.25
RP032042073B	32.00	42.00	7.30	16.85
RP032047114B	32.00	47.00	11.40	38.60
RP035043057B	35.00	43.00	5.70	21.20
RP035043060B	35.00	43.00	6.00	51.30
RP035043065B	35.00	43.00	6.50	16.90
RP035045080B	35.00	45.00	8.00	20.05
RP035045100B	35.00	45.00	10.00	18.30
RP035047100B	35.00	47.00	10.00	32.80
RP035050114B	35.00	50.00	11.40	32.80
RP036044057B	36.00	44.00	5.70	18.70
RP036046073B	36.00	46.00	7.30	16.25
RP036051114B	36.00	51.00	11.40	78.20
RP038050070B	38.00	50.00	7.00	22.20
RP040048057B	40.00	48.00	5.70	19.70
RP040050073B	40.00	50.00	7.30	13.90
RP040050100B	40.00	50.00	10.00	15.90
RP040052100B	40.00	52.00	10.00	22.55
RP040055100B	40.00	55.00	10.00	32.25
RP040055114B	40.00	55.00	11.40	25.50
RP042050065B	42.00	50.00	6.50	19.75
RP045053073B	45.00	53.00	7.30	22.55
RP045055073B	45.00	55.00	7.30	14.15
RP045055080B	45.00	55.00	8.00	27.95
RP045055100B	45.00	55.00	10.00	18.10

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP045060114B	45.00	60.00	11.40	30.95
RP045065114B	45.00	65.00	11.40	22.80
RP048060100B	48.00	60.00	10.00	21.45
RP050058080B	50.00	58.00	8.00	22.00
RP050060073B	50.00	60.00	7.30	15.40
RP050060075B	50.00	60.00	7.50	18.90
RP050060100B	50.00	60.00	10.00	22.95
RP050060114B	50.00	60.00	11.40	22.65
RP050062095B	50.00	62.00	9.50	22.10
RP050063100B	50.00	63.00	10.00	23.55
RP050065114B	50.00	65.00	11.40	31.50
RP050070146B	50.00	70.00	14.60	41.95
RP052062073B	52.00	62.00	7.30	43.00
RP053063073B	53.00	63.00	7.30	20.15
RP055065073B	55.00	65.00	7.30	20.40
RP055065110B	55.00	65.00	11.00	29.00
RP055070110B	55.00	70.00	11.00	40.35
RP055075145B	55.00	75.00	14.50	30.35
RP056066100B	56.00	66.00	10.00	45.35
RP056071114B	56.00	71.00	11.40	42.15
RP056076146B	56.00	76.00	14.60	50.95
RP060068070B	60.00	68.00	7.00	16.35
RP060068114B	60.00	68.00	11.40	33.60
RP060068130B	60.00	68.00	13.00	25.30
RP060070073B	60.00	70.00	7.30	19.45
RP060070105B	60.00	70.00	10.50	25.40
RP060070120B	60.00	70.00	12.00	22.55
RP060072090B	60.00	72.00	9.00	26.35
RP060072100B	60.00	72.00	10.00	25.95
RP060075135B	60.00	75.00	13.50	74.80
RP060080120B	60.00	80.00	12.00	28.05
RP060080140B	60.00	80.00	14.00	29.45
RP062070073B	62.00	70.00	7.30	53.60
RP063073055B	63.00	73.00	5.50	43.45
RP063075087B	63.00	75.00	8.70	38.55
RP063078114B	63.00	78.00	11.40	24.15
RP063083145B	63.00	83.00	14.50	30.30
RP064080120B	64.00	80.00	12.00	25.30
RP065073070B	65.00	73.00	7.00	18.35
RP065075100B	65.00	75.00	10.00	21.85
RP065085120B	65.00	85.00	12.00	28.25
RP065085150B	65.00	85.00	15.00	24.25
RP068088150B	68.00	88.00	15.00	53.40
RP070080114B	70.00	80.00	11.40	19.90
RP070082087B	70.00	82.00	8.70	28.55
RP070082095B	70.00	82.00	9.50	26.50
RP070085095B	70.00	85.00	9.50	50.75
RP070085114B	70.00	85.00	11.40	33.70

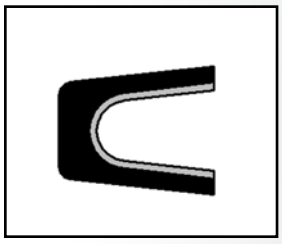
B SERIES - AU/NBR

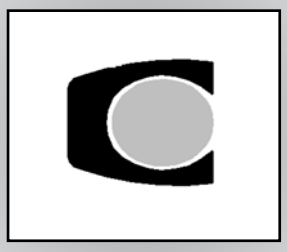
Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP070090120B	70.00	90.00	12.00	28.00
RP070090145B	70.00	90.00	14.50	89.25
RP073080070B	73.00	80.00	7.00	44.15
RP075083065B	75.00	83.00	6.50	32.00
RP075085105B	75.00	85.00	10.50	28.70
RP075090114B	75.00	90.00	11.40	45.20
RP075090124B	75.00	90.00	12.40	55.50
RP078086130B	78.00	86.00	13.00	128.75
RP080088065B	80.00	88.00	6.50	25.75
RP080090100B	80.00	90.00	10.00	58.05
RP080092114B	80.00	92.00	11.40	61.55
RP080092090B	80.00	92.00	9.00	25.15
RP080095114B	80.00	95.00	11.40	23.30
RP080100095B	80.00	100.00	9.50	29.50
RP080100120B	80.00	100.00	12.00	31.05
RP080100135B	80.00	100.00	13.50	122.75
RP080100150B	80.00	100.00	15.00	96.80
RP081095146B	81.00	95.00	14.60	39.60
RP082092100B	82.00	92.00	10.00	81.55
RP085095095B	85.00	95.00	9.50	25.50
RP085100095B	85.00	100.00	9.50	56.70
RP085100120B	85.00	100.00	12.00	30.90
RP085105145B	85.00	105.00	14.50	46.50
RP090100114B	90.00	100.00	11.40	27.15
RP090100120B	90.00	100.00	12.00	102.80
RP090105114B	90.00	105.00	11.40	28.30
RP090110120B	90.00	110.00	12.00	32.90
RP090110145B	90.00	110.00	14.50	29.35
RP095105114B	95.00	105.00	11.40	42.45
RP095110114B	95.00	110.00	11.40	62.80
RP097105130B	97.00	105.00	13.00	59.50
RP098110120B	98.00	110.00	12.00	20.60
RP100108065B	100.00	108.00	6.50	25.40
RP100110114B	100.00	110.00	11.40	37.40
RP100115110B	100.00	115.00	11.00	67.00
RP100115146B	100.00	115.00	14.60	74.30
RP100120120B	100.00	120.00	12.00	35.20
RP100120145B	100.00	120.00	14.50	36.80
RP100125182B	100.00	125.00	18.20	123.65
RP105115100B	105.00	115.00	10.00	51.70
RP105120114B	105.00	120.00	11.40	84.65
RP105125145B	105.00	125.00	14.50	42.70
RP108123143B	108.00	123.00	14.30	88.30
RP108127159B	108.00	127.00	15.90	41.60
RP110120105B	110.00	120.00	10.50	44.50
RP110125114B	110.00	125.00	11.40	39.75
RP110130120B	110.00	130.00	12.00	45.90
RP110130145B	110.00	130.00	14.50	40.75
RP110135182B	110.00	135.00	18.20	81.25
RP112127090B	112.00	127.00	9.00	75.90
RP115123130B	115.00	123.00	13.00	44.15
RP115125114B	115.00	125.00	11.40	35.45
RP115130114B	115.00	130.00	11.40	63.45
RP118126130B	118.00	126.00	13.00	59.60
RP120130114B	120.00	130.00	11.40	35.95
RP120135114B	120.00	135.00	11.40	49.10
RP120140150B	120.00	140.00	15.00	43.95
RP125135114B	125.00	135.00	11.40	31.15
RP125140114B	125.00	140.00	11.40	61.15
RP125145145B	125.00	145.00	14.50	51.15
RP125150182B	125.00	150.00	18.20	63.20
RP130145090B	130.00	145.00	9.00	45.95
RP130145145B	130.00	145.00	14.50	57.50
RP131138045B	131.00	138.00	4.50	28.10
RP135155145B	135.00	155.00	14.50	46.55
RP140150105B	140.00	150.00	10.50	63.80
RP140150114B	140.00	150.00	11.40	36.60
RP140160145B	140.00	160.00	14.50	70.95
RP140165182B	140.00	165.00	18.20	87.35
RP143151130B	143.00	151.00	13.00	59.40
RP145155114B	145.00	155.00	11.40	59.40
RP145165145B	145.00	165.00	14.50	77.85
RP150160114B	150.00	160.00	11.40	62.65
RP155175150B	155.00	175.00	15.00	73.10
RP160168130B	160.00	168.00	13.00	189.00
RP160180150B	160.00	180.00	15.00	41.30
RP160185182B	160.00	185.00	18.20	78.15
RP160190227B	160.00	190.00	22.70	181.90
RP165190182B	165.00	190.00	18.20	101.00
RP170180114B	170.00	180.00	11.40	82.90
RP170190150B	170.00	190.00	15.00	57.30
RP170195190B	170.00	195.00	19.00	95.95
RP171179130B	171.00	179.00	13.00	70.05
RP175185114B	175.00	185.00	11.40	57.10
RP180190114B	180.00	190.00	11.40	51.80
RP180200150B	180.00	200.00	15.00	103.65
RP180210227B	180.00	210.00	22.70	174.90
RP200220180B	200.00	220.00	18.00	220.45
RP200225182B	200.00	225.00	18.20	206.00
RP200230227B	200.00	230.00	22.70	258.10
RP204220160B	204.00	220.00	16.00	79.80
RP205225182B	205.00	225.00	18.20	217.15
RP210230145B	210.00	230.00	14.50	88.90
RP218230090B	218.00	230.00	9.00	110.65
RP220240150B	220.00	240.00	15.00	163.75
RP220250227B	220.00	250.00	22.70	327.65

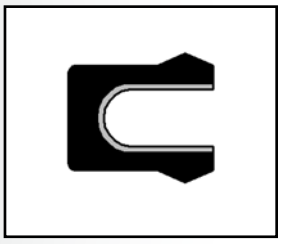
Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP240260145B	240.00	260.00	14.50	197.05
RP250280227B	250.00	280.00	22.70	417.15

Ref.Number	Nominal Seal Dimensions			$
	d	D	h	
RP280310227B	280.00	310.00	22.70	1113.00
RP290320225B	290.00	320.00	22.50	305.15
RP360385200B	360.00	385.00	20.00	384.20

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST









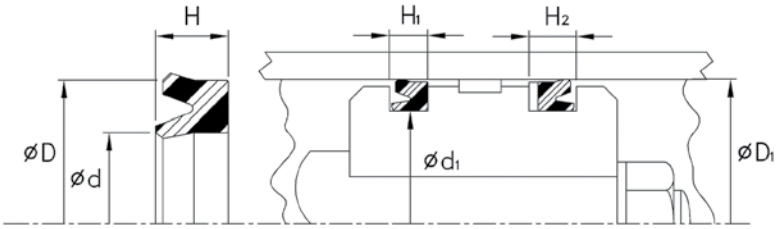

PUBLIC SERVICE ELECTRIC AND

	PB	L	2
	PB/N	L	9
	PH	L	15
	PR	L	16
	KR	L	17
	PZ/B	L	18
	P1B	L	18
	P1B-1	L	20
	P2B	L	21
	ST/N	L	24
	P2G	L	25
	CAT TYPE-3	L	26
	P3C	L	27
	P4A	L	28
	CAT TYPE-4	L	30
	P5B	L	30
	P5B-1	L	35

PB - Piston Seals

Polyurethane AU 92A





N.B.: $H_2=H_1$ + B.UP RING THICKNESS

Temperature: -40/212F [-40/100C] **Pressure: 6000 PSI [415 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P018008075PB	18.00	+0.08 / -0.00	18.00	8.00	7.50	18.00	+0.08 / -0.00	8.00	+0.00 / -0.06	8.50	+0.30 / -0.00	6.40
P020010060PB	20.00	+0.08 / -0.00	20.00	10.00	6.00	20.00	+0.08 / -0.00	10.00	+0.00 / -0.06	7.00	+0.30 / -0.00	6.40
P020010075PB	20.00	+0.08 / -0.00	20.00	10.00	7.50	20.00	+0.08 / -0.00	10.00	+0.00 / -0.06	8.50	+0.30 / -0.00	6.40
P020010080PB	20.00	+0.08 / -0.00	20.00	10.00	8.00	20.00	+0.08 / -0.00	10.00	+0.00 / -0.06	9.00	+0.30 / -0.00	6.40
P020012050PB	20.00	+0.08 / -0.00	20.00	12.00	5.00	20.00	+0.08 / -0.00	12.00	+0.00 / -0.07	6.00	+0.30 / -0.00	6.40
P022014050PB	22.00	+0.08 / -0.00	22.00	14.00	5.00	22.00	+0.08 / -0.00	14.00	+0.00 / -0.07	6.00	+0.30 / -0.00	7.20
P024014075PB	24.00	+0.08 / -0.00	24.00	14.00	7.50	24.00	+0.08 / -0.00	14.00	+0.00 / -0.07	8.50	+0.30 / -0.00	7.20
P025015060PB	25.00	+0.08 / -0.00	25.00	15.00	6.00	25.00	+0.08 / -0.00	15.00	+0.00 / -0.07	7.00	+0.30 / -0.00	7.20
P025015080PB	25.00	+0.08 / -0.00	25.00	15.00	8.00	25.00	+0.08 / -0.00	15.00	+0.00 / -0.07	9.00	+0.30 / -0.00	7.20
P025017050PB	25.00	+0.08 / -0.00	25.00	17.00	5.00	25.00	+0.08 / -0.00	17.00	+0.00 / -0.07	6.00	+0.30 / -0.00	7.20
P026016075PB	26.00	+0.08 / -0.00	26.00	16.00	7.50	26.00	+0.08 / -0.00	16.00	+0.00 / -0.07	8.50	+0.30 / -0.00	7.20
P026018050PB	26.00	+0.08 / -0.00	26.00	18.00	5.00	26.00	+0.08 / -0.00	18.00	+0.00 / -0.07	6.00	+0.30 / -0.00	7.20
P028015100PB	28.00	+0.08 / -0.00	28.00	15.00	10.00	28.00	+0.08 / -0.00	15.00	+0.00 / -0.07	11.00	+0.30 / -0.00	7.20
P028020050PB	28.00	+0.08 / -0.00	28.00	20.00	5.00	28.00	+0.08 / -0.00	20.00	+0.00 / -0.08	6.00	+0.30 / -0.00	7.20
P028022063PB	28.00	+0.08 / -0.00	28.00	22.20	6.30	28.00	+0.08 / -0.00	22.20	+0.00 / -0.08	7.30	+0.30 / -0.00	7.20
P030020050PB	30.00	+0.08 / -0.00	30.00	20.00	5.00	30.00	+0.08 / -0.00	20.00	+0.00 / -0.08	6.00	+0.30 / -0.00	7.20
P030020060PB	30.00	+0.08 / -0.00	30.00	20.00	6.00	30.00	+0.08 / -0.00	20.00	+0.00 / -0.08	7.00	+0.30 / -0.00	7.20
P030020080PB	30.00	+0.08 / -0.00	30.00	20.00	8.00	30.00	+0.08 / -0.00	20.00	+0.00 / -0.08	9.00	+0.30 / -0.00	7.20
P031018100PB	31.00	+0.08 / -0.00	31.00	18.00	10.00	31.00	+0.08 / -0.00	18.00	+0.00 / -0.07	11.00	+0.30 / -0.00	7.20
P032022060PB	32.00	+0.08 / -0.00	32.00	22.00	6.00	32.00	+0.08 / -0.00	22.00	+0.00 / -0.08	7.00	+0.30 / -0.00	7.20
P033020100PB	33.00	+0.08 / -0.00	33.00	20.00	10.00	33.00	+0.08 / -0.00	20.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.20
P033025050PB	33.00	+0.08 / -0.00	33.00	25.00	5.00	33.00	+0.08 / -0.00	25.00	+0.00 / -0.08	6.00	+0.30 / -0.00	7.20
P035025060PB	35.00	+0.08 / -0.00	35.00	25.00	6.00	35.00	+0.08 / -0.00	25.00	+0.00 / -0.08	7.00	+0.30 / -0.00	7.20
P035025080PB	35.00	+0.08 / -0.00	35.00	25.00	8.00	35.00	+0.08 / -0.00	25.00	+0.00 / -0.08	9.00	+0.30 / -0.00	7.20
P035025100PB	35.00	+0.08 / -0.00	35.00	25.00	10.00	35.00	+0.08 / -0.00	25.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.20
P035027050PB	35.00	+0.08 / -0.00	35.00	27.00	5.00	35.00	+0.08 / -0.00	27.00	+0.00 / -0.08	6.00	+0.30 / -0.00	6.10
P038025100PB	38.00	+0.08 / -0.00	38.00	25.00	10.00	38.00	+0.08 / -0.00	25.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.95
P038029070PB	38.00	+0.08 / -0.00	38.00	29.00	7.00	38.00	+0.08 / -0.00	29.00	+0.00 / -0.08	8.00	+0.30 / -0.00	7.95
P038032060PB	38.00	+0.08 / -0.00	38.00	32.00	6.00	38.00	+0.08 / -0.00	32.00	+0.00 / -0.10	7.00	+0.30 / -0.00	7.95
P040025090PB	40.00	+0.08 / -0.00	40.00	25.00	9.00	40.00	+0.08 / -0.00	25.00	+0.00 / -0.08	10.00	+0.30 / -0.00	7.95
P040025100PB	40.00	+0.08 / -0.00	40.00	25.00	10.00	40.00	+0.08 / -0.00	25.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.95
P040027080PB	40.00	+0.08 / -0.00	40.00	27.00	8.00	40.00	+0.08 / -0.00	27.00	+0.00 / -0.08	9.00	+0.30 / -0.00	7.95
P040027100PB	40.00	+0.08 / -0.00	40.00	27.00	10.00	40.00	+0.08 / -0.00	27.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.95
P040030060PB	40.00	+0.08 / -0.00	40.00	30.00	6.00	40.00	+0.08 / -0.00	30.00	+0.00 / -0.08	7.00	+0.30 / -0.00	6.10
P040030080PB	40.00	+0.08 / -0.00	40.00	30.00	8.00	40.00	+0.08 / -0.00	30.00	+0.00 / -0.08	9.00	+0.30 / -0.00	7.95
P041028100PB	41.00	+0.08 / -0.00	41.00	28.00	10.00	41.00	+0.08 / -0.00	28.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.95
P043030100PB	43.00	+0.08 / -0.00	43.00	30.00	10.00	43.00	+0.08 / -0.00	30.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.95
P045030090PB	45.00	+0.08 / -0.00	45.00	30.00	9.00	45.00	+0.08 / -0.00	30.00	+0.00 / -0.08	10.00	+0.30 / -0.00	5.35

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P045030100PB	45.00	+0.08 / -0.00	45.00	30.00	10.00	45.00	+0.08 / -0.00	30.00	+0.00 / -0.08	11.00	+0.30 / -0.00	7.95
P045032080PB	45.00	+0.08 / -0.00	45.00	32.00	8.00	45.00	+0.08 / -0.00	32.00	+0.00 / -0.10	9.00	+0.30 / -0.00	7.95
P045032100PB	45.00	+0.08 / -0.00	45.00	32.00	10.00	45.00	+0.08 / -0.00	32.00	+0.00 / -0.10	11.00	+0.30 / -0.00	7.95
P045035060PB	45.00	+0.08 / -0.00	45.00	35.00	6.00	45.00	+0.08 / -0.00	35.00	+0.00 / -0.10	7.00	+0.30 / -0.00	7.45
P045035080PB	45.00	+0.08 / -0.00	45.00	35.00	8.00	45.00	+0.08 / -0.00	35.00	+0.00 / -0.10	9.00	+0.30 / -0.00	7.95
P050034100PB	50.00	+0.08 / -0.00	50.00	34.00	10.00	50.00	+0.08 / -0.00	34.00	+0.00 / -0.10	11.00	+0.30 / -0.00	9.05
P050034120PB	50.00	+0.08 / -0.00	50.00	34.00	12.00	50.00	+0.08 / -0.00	34.00	+0.00 / -0.10	13.00	+0.30 / -0.00	9.05
P050035090PB	50.00	+0.08 / -0.00	50.00	35.00	9.00	50.00	+0.08 / -0.00	35.00	+0.00 / -0.10	10.00	+0.30 / -0.00	9.05
P050035100PB	50.00	+0.08 / -0.00	50.00	35.00	10.00	50.00	+0.08 / -0.00	35.00	+0.00 / -0.10	11.00	+0.30 / -0.00	9.05
P050035120PB	50.00	+0.08 / -0.00	50.00	35.00	12.00	50.00	+0.08 / -0.00	35.00	+0.00 / -0.10	13.00	+0.30 / -0.00	9.05
P050040060PB	50.00	+0.08 / -0.00	50.00	40.00	6.00	50.00	+0.08 / -0.00	40.00	+0.00 / -0.10	7.00	+0.30 / -0.00	7.75
P050040080PB	50.00	+0.08 / -0.00	50.00	40.00	8.00	50.00	+0.08 / -0.00	40.00	+0.00 / -0.10	9.00	+0.30 / -0.00	9.05
P050040100PB	50.00	+0.08 / -0.00	50.00	40.00	10.00	50.00	+0.08 / -0.00	40.00	+0.00 / -0.10	11.00	+0.30 / -0.00	O/R
P055040090PB	55.00	+0.08 / -0.00	55.00	40.00	9.00	55.00	+0.08 / -0.00	40.00	+0.00 / -0.10	10.00	+0.30 / -0.00	9.05
P055040100PB	55.00	+0.08 / -0.00	55.00	40.00	10.00	55.00	+0.08 / -0.00	40.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P055041100PB	55.00	+0.08 / -0.00	55.00	41.00	10.00	55.00	+0.08 / -0.00	41.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P055045060PB	55.00	+0.08 / -0.00	55.00	45.00	6.00	55.00	+0.08 / -0.00	45.00	+0.00 / -0.10	7.00	+0.30 / -0.00	8.70
P055045100PB	55.00	+0.08 / -0.00	55.00	45.00	10.00	55.00	+0.08 / -0.00	45.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P055046130PB	55.00	+0.08 / -0.00	55.00	46.00	13.00	55.00	+0.08 / -0.00	46.00	+0.00 / -0.10	14.00	+0.30 / -0.00	11.20
P056040100PB	56.00	+0.08 / -0.00	56.00	40.00	10.00	56.00	+0.08 / -0.00	40.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P056040120PB	56.00	+0.08 / -0.00	56.00	40.00	12.00	56.00	+0.08 / -0.00	40.00	+0.00 / -0.10	13.00	+0.30 / -0.00	11.20
P056041090PB	56.00	+0.08 / -0.00	56.00	41.00	9.00	56.00	+0.08 / -0.00	41.00	+0.00 / -0.10	10.00	+0.30 / -0.00	11.20
P056041100PB	56.00	+0.08 / -0.00	56.00	41.00	10.00	56.00	+0.08 / -0.00	41.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P056045070PB	56.00	+0.08 / -0.00	56.00	45.00	7.00	56.00	+0.08 / -0.00	45.00	+0.00 / -0.10	8.00	+0.30 / -0.00	8.70
P056046060PB	56.00	+0.08 / -0.00	56.00	46.00	6.00	56.00	+0.08 / -0.00	46.00	+0.00 / -0.10	7.00	+0.30 / -0.00	8.70
P056046080PB	56.00	+0.08 / -0.00	56.00	46.00	8.00	56.00	+0.08 / -0.00	46.00	+0.00 / -0.10	9.00	+0.30 / -0.00	11.20
P056046100PB	56.00	+0.08 / -0.00	56.00	46.00	10.00	56.00	+0.08 / -0.00	46.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P058048060PB	58.00	+0.08 / -0.00	58.00	48.00	6.00	58.00	+0.08 / -0.00	48.00	+0.00 / -0.10	7.00	+0.30 / -0.00	9.55
P060045090PB	60.00	+0.08 / -0.00	60.00	45.00	9.00	60.00	+0.08 / -0.00	45.00	+0.00 / -0.10	10.00	+0.30 / -0.00	11.20
P060045100PB	60.00	+0.08 / -0.00	60.00	45.00	10.00	60.00	+0.08 / -0.00	45.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P060050060PB	60.00	+0.08 / -0.00	60.00	50.00	6.00	60.00	+0.08 / -0.00	50.00	+0.00 / -0.10	7.00	+0.30 / -0.00	9.55
P060050080PB	60.00	+0.08 / -0.00	60.00	50.00	8.00	60.00	+0.08 / -0.00	50.00	+0.00 / -0.10	9.00	+0.30 / -0.00	11.20
P061045120PB	61.00	+0.08 / -0.00	61.00	45.00	12.00	61.00	+0.08 / -0.00	45.00	+0.00 / -0.10	13.00	+0.30 / -0.00	11.20
P063047100PB	63.00	+0.08 / -0.00	63.00	47.00	10.00	63.00	+0.08 / -0.00	47.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P063047120PB	63.00	+0.08 / -0.00	63.00	47.00	12.00	63.00	+0.08 / -0.00	47.00	+0.00 / -0.10	13.00	+0.30 / -0.00	11.20
P063048090PB	63.00	+0.08 / -0.00	63.00	48.00	9.00	63.00	+0.08 / -0.00	48.00	+0.00 / -0.10	10.00	+0.30 / -0.00	11.20
P063048100PB	63.00	+0.08 / -0.00	63.00	48.00	10.00	63.00	+0.08 / -0.00	48.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.20
P063053060PB	63.00	+0.08 / -0.00	63.00	53.00	6.00	63.00	+0.08 / -0.00	53.00	+0.00 / -0.12	7.00	+0.30 / -0.00	9.55
P063053080PB	63.00	+0.08 / -0.00	63.00	53.00	8.00	63.00	+0.08 / -0.00	53.00	+0.00 / -0.12	9.00	+0.30 / -0.00	11.20
P065050090PB	65.00	+0.08 / -0.00	65.00	50.00	9.00	65.00	+0.08 / -0.00	50.00	+0.00 / -0.10	10.00	+0.30 / -0.00	11.95
P065050100PB	65.00	+0.08 / -0.00	65.00	50.00	10.00	65.00	+0.08 / -0.00	50.00	+0.00 / -0.10	11.00	+0.30 / -0.00	11.95
P065055060PB	65.00	+0.08 / -0.00	65.00	55.00	6.00	65.00	+0.08 / -0.00	55.00	+0.00 / -0.12	7.00	+0.30 / -0.00	10.20
P065055080PB	65.00	+0.08 / -0.00	65.00	55.00	8.00	65.00	+0.08 / -0.00	55.00	+0.00 / -0.12	9.00	+0.30 / -0.00	11.95
P066050120PB	66.00	+0.08 / -0.00	66.00	50.00	12.00	66.00	+0.08 / -0.00	50.00	+0.00 / -0.10	13.00	+0.30 / -0.00	11.95
P066056060PB	66.00	+0.08 / -0.00	66.00	56.00	6.00	66.00	+0.08 / -0.00	56.00	+0.00 / -0.12	7.00	+0.30 / -0.00	10.20
P069053120PB	69.00	+0.08 / -0.00	69.00	53.00	12.00	69.00	+0.08 / -0.00	53.00	+0.00 / -0.12	13.00	+0.30 / -0.00	11.95
P070050120PB	70.00	+0.08 / -0.00	70.00	50.00	12.00	70.00	+0.08 / -0.00	50.00	+0.00 / -0.10	13.00	+0.30 / -0.00	13.25
P070055090PB	70.00	+0.08 / -0.00	70.00	55.00	9.00	70.00	+0.08 / -0.00	55.00	+0.00 / -0.12	10.00	+0.30 / -0.00	13.25

PB SERIES - AU 92A

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P070555100PB	70.00	+0.08 / -0.00	70.00	55.00	10.00	70.00	+0.08 / -0.00	55.00	+0.00 / -0.12	11.00	+0.30 / -0.00	13.25
P070060060PB	70.00	+0.08 / -0.00	70.00	60.00	6.00	70.00	+0.08 / -0.00	60.00	+0.00 / -0.12	7.00	+0.30 / -0.00	10.20
P070060080PB	70.00	+0.08 / -0.00	70.00	60.00	8.00	70.00	+0.08 / -0.00	60.00	+0.00 / -0.12	9.00	+0.30 / -0.00	13.25
P070060100PB	70.00	+0.08 / -0.00	70.00	60.00	10.00	70.00	+0.08 / -0.00	60.00	+0.00 / -0.12	11.00	+0.30 / -0.00	O/R
P071051120PB	71.00	+0.08 / -0.00	71.00	51.00	12.00	71.00	+0.08 / -0.00	51.00	+0.00 / -0.12	13.00	+0.30 / -0.00	13.25
P071055100PB	71.00	+0.08 / -0.00	71.00	55.00	10.00	71.00	+0.08 / -0.00	55.00	+0.00 / -0.12	11.00	+0.30 / -0.00	13.25
P071055120PB	71.00	+0.08 / -0.00	71.00	55.00	12.00	71.00	+0.08 / -0.00	55.00	+0.00 / -0.12	13.00	+0.30 / -0.00	13.25
P071056090PB	71.00	+0.08 / -0.00	71.00	56.00	9.00	71.00	+0.08 / -0.00	56.00	+0.00 / -0.12	10.00	+0.30 / -0.00	13.25
P071056100PB	71.00	+0.08 / -0.00	71.00	56.00	10.00	71.00	+0.08 / -0.00	56.00	+0.00 / -0.12	11.00	+0.30 / -0.00	13.25
P071060070PB	71.00	+0.08 / -0.00	71.00	60.00	7.00	71.00	+0.08 / -0.00	60.00	+0.00 / -0.12	8.00	+0.30 / -0.00	11.85
P071061060PB	71.00	+0.08 / -0.00	71.00	61.00	6.00	71.00	+0.08 / -0.00	61.00	+0.00 / -0.12	7.00	+0.30 / -0.00	11.85
P071061080PB	71.00	+0.08 / -0.00	71.00	61.00	8.00	71.00	+0.08 / -0.00	61.00	+0.00 / -0.12	9.00	+0.30 / -0.00	13.25
P073063060PB	73.00	+0.08 / -0.00	73.00	63.00	6.00	73.00	+0.08 / -0.00	63.00	+0.00 / -0.12	7.00	+0.30 / -0.00	11.85
P075055120PB	75.00	+0.08 / -0.00	75.00	55.00	12.00	75.00	+0.08 / -0.00	55.00	+0.00 / -0.12	13.00	+0.30 / -0.00	13.25
P075060090PB	75.00	+0.08 / -0.00	75.00	60.00	9.00	75.00	+0.08 / -0.00	60.00	+0.00 / -0.12	10.00	+0.30 / -0.00	13.25
P075060100PB	75.00	+0.08 / -0.00	75.00	60.00	10.00	75.00	+0.08 / -0.00	60.00	+0.00 / -0.12	11.00	+0.30 / -0.00	13.25
P075065060PB	75.00	+0.08 / -0.00	75.00	65.00	6.00	75.00	+0.08 / -0.00	65.00	+0.00 / -0.12	7.00	+0.30 / -0.00	11.85
P075065080PB	75.00	+0.08 / -0.00	75.00	65.00	8.00	75.00	+0.08 / -0.00	65.00	+0.00 / -0.12	9.00	+0.30 / -0.00	13.25
P076060120PB	76.00	+0.08 / -0.00	76.00	60.00	12.00	76.00	+0.08 / -0.00	60.00	+0.00 / -0.12	13.00	+0.30 / -0.00	13.25
P077067060PB	77.00	+0.10 / -0.00	77.00	67.00	6.00	77.00	+0.10 / -0.00	67.00	+0.00 / -0.12	7.00	+0.30 / -0.00	11.85
P080047160PB	80.00	+0.10 / -0.00	80.00	47.00	16.00	80.00	+0.10 / -0.00	47.00	+0.00 / -0.10	17.00	+0.30 / -0.00	14.60
P080060120PB	80.00	+0.10 / -0.00	80.00	60.00	12.00	80.00	+0.10 / -0.00	60.00	+0.00 / -0.12	13.00	+0.30 / -0.00	14.60
P080064100PB	80.00	+0.10 / -0.00	80.00	64.00	10.00	80.00	+0.10 / -0.00	64.00	+0.00 / -0.12	11.00	+0.30 / -0.00	14.60
P080064120PB	80.00	+0.10 / -0.00	80.00	64.00	12.00	80.00	+0.10 / -0.00	64.00	+0.00 / -0.12	13.00	+0.30 / -0.00	14.60
P080065090PB	80.00	+0.10 / -0.00	80.00	65.00	9.00	80.00	+0.10 / -0.00	65.00	+0.00 / -0.12	10.00	+0.30 / -0.00	14.60
P080065100PB	80.00	+0.10 / -0.00	80.00	65.00	10.00	80.00	+0.10 / -0.00	65.00	+0.00 / -0.12	11.00	+0.30 / -0.00	14.60
P080070060PB	80.00	+0.10 / -0.00	80.00	70.00	6.00	80.00	+0.10 / -0.00	70.00	+0.00 / -0.12	7.00	+0.30 / -0.00	11.85
P080070080PB	80.00	+0.10 / -0.00	80.00	70.00	8.00	80.00	+0.10 / -0.00	70.00	+0.00 / -0.12	9.00	+0.30 / -0.00	14.60
P080071060PB	80.00	+0.10 / -0.00	80.00	71.00	6.00	80.00	+0.10 / -0.00	71.00	+0.00 / -0.12	7.00	+0.30 / -0.00	11.85
P085065120PB	85.00	+0.10 / -0.00	85.00	65.00	12.00	85.00	+0.10 / -0.00	65.00	+0.00 / -0.12	13.00	+0.30 / -0.00	15.90
P085070090PB	85.00	+0.10 / -0.00	85.00	70.00	9.00	85.00	+0.10 / -0.00	70.00	+0.00 / -0.12	10.00	+0.30 / -0.00	15.90
P085070100PB	85.00	+0.10 / -0.00	85.00	70.00	10.00	85.00	+0.10 / -0.00	70.00	+0.00 / -0.12	11.00	+0.30 / -0.00	15.90
P085075060PB	85.00	+0.10 / -0.00	85.00	75.00	6.00	85.00	+0.10 / -0.00	75.00	+0.00 / -0.12	7.00	+0.30 / -0.00	14.55
P085075080PB	85.00	+0.10 / -0.00	85.00	75.00	8.00	85.00	+0.10 / -0.00	75.00	+0.00 / -0.12	9.00	+0.30 / -0.00	15.90
P090070120PB	90.00	+0.10 / -0.00	90.00	70.00	12.00	90.00	+0.10 / -0.00	70.00	+0.00 / -0.12	13.00	+0.30 / -0.00	18.55
P090070150PB	90.00	+0.10 / -0.00	90.00	70.00	15.00	90.00	+0.10 / -0.00	70.00	+0.00 / -0.12	16.00	+0.30 / -0.00	18.55
P090075090PB	90.00	+0.10 / -0.00	90.00	75.00	9.00	90.00	+0.10 / -0.00	75.00	+0.00 / -0.12	10.00	+0.30 / -0.00	18.55
P090075100PB	90.00	+0.10 / -0.00	90.00	75.00	10.00	90.00	+0.10 / -0.00	75.00	+0.00 / -0.12	11.00	+0.30 / -0.00	18.55
P090080060PB	90.00	+0.10 / -0.00	90.00	80.00	6.00	90.00	+0.10 / -0.00	80.00	+0.00 / -0.12	7.00	+0.30 / -0.00	15.55
P090080080PB	90.00	+0.10 / -0.00	90.00	80.00	8.00	90.00	+0.10 / -0.00	80.00	+0.00 / -0.12	9.00	+0.30 / -0.00	18.55
P090080090PB	90.00	+0.10 / -0.00	90.00	80.00	9.00	90.00	+0.10 / -0.00	80.00	+0.00 / -0.12	10.00	+0.30 / -0.00	18.55
P095075120PB	95.00	+0.10 / -0.00	95.00	75.00	12.00	95.00	+0.10 / -0.00	75.00	+0.00 / -0.12	13.00	+0.30 / -0.00	22.30
P095075150PB	95.00	+0.10 / -0.00	95.00	75.00	15.00	95.00	+0.10 / -0.00	75.00	+0.00 / -0.12	16.00	+0.30 / -0.00	22.30
P095080060PB	95.00	+0.10 / -0.00	95.00	80.00	6.00	95.00	+0.10 / -0.00	80.00	+0.00 / -0.12	7.00	+0.30 / -0.00	22.30
P095080090PB	95.00	+0.10 / -0.00	95.00	80.00	9.00	95.00	+0.10 / -0.00	80.00	+0.00 / -0.12	10.00	+0.30 / -0.00	22.30
P095080100PB	95.00	+0.10 / -0.00	95.00	80.00	10.00	95.00	+0.10 / -0.00	80.00	+0.00 / -0.12	11.00	+0.30 / -0.00	22.30
P095085060PB	95.00	+0.10 / -0.00	95.00	85.00	6.00	95.00	+0.10 / -0.00	85.00	+0.00 / -0.14	7.00	+0.30 / -0.00	22.30
P100075180PB	100.00	+0.10 / -0.00	100.00	75.00	18.00	100.00	+0.10 / -0.00	75.00	+0.00 / -0.12	19.00	+0.30 / -0.00	22.30

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P100080120PB	100.00	+0.10 / -0.00	100.00	80.00	12.00	100.00	+0.10 / -0.00	80.00	+0.00 / -0.12	13.00	+0.30 / -0.00	22.30
P100080150PB	100.00	+0.10 / -0.00	100.00	80.00	15.00	100.00	+0.10 / -0.00	80.00	+0.00 / -0.12	16.00	+0.30 / -0.00	22.30
P100085090PB	100.00	+0.10 / -0.00	100.00	85.00	9.00	100.00	+0.10 / -0.00	85.00	+0.00 / -0.14	10.00	+0.30 / -0.00	18.05
P100085100PB	100.00	+0.10 / -0.00	100.00	85.00	10.00	100.00	+0.10 / -0.00	85.00	+0.00 / -0.14	11.00	+0.30 / -0.00	22.30
P105085150PB	105.00	+0.10 / -0.00	105.00	85.00	15.00	105.00	+0.10 / -0.00	85.00	+0.00 / -0.14	16.00	+0.30 / -0.00	24.80
P105090090PB	105.00	+0.10 / -0.00	105.00	90.00	9.00	105.00	+0.10 / -0.00	90.00	+0.00 / -0.14	10.00	+0.30 / -0.00	19.85
P110085180PB	110.00	+0.10 / -0.00	110.00	85.00	18.00	110.00	+0.10 / -0.00	85.00	+0.00 / -0.14	19.00	+0.30 / -0.00	25.95
P110090120PB	110.00	+0.10 / -0.00	110.00	90.00	12.00	110.00	+0.10 / -0.00	90.00	+0.00 / -0.14	13.00	+0.30 / -0.00	25.95
P110090150PB	110.00	+0.10 / -0.00	110.00	90.00	15.00	110.00	+0.10 / -0.00	90.00	+0.00 / -0.14	16.00	+0.30 / -0.00	25.95
P110095090PB	110.00	+0.10 / -0.00	110.00	95.00	9.00	110.00	+0.10 / -0.00	95.00	+0.00 / -0.14	10.00	+0.30 / -0.00	19.85
P110095100PB	110.00	+0.10 / -0.00	110.00	95.00	10.00	110.00	+0.10 / -0.00	95.00	+0.00 / -0.14	11.00	+0.30 / -0.00	25.95
P112092120PB	112.00	+0.10 / -0.00	112.00	92.00	12.00	112.00	+0.10 / -0.00	92.00	+0.00 / -0.14	13.00	+0.30 / -0.00	25.95
P112092150PB	112.00	+0.10 / -0.00	112.00	92.00	15.00	112.00	+0.10 / -0.00	92.00	+0.00 / -0.14	16.00	+0.30 / -0.00	25.95
P112097090PB	112.00	+0.10 / -0.00	112.00	97.00	9.00	112.00	+0.10 / -0.00	97.00	+0.00 / -0.14	10.00	+0.30 / -0.00	25.95
P112097100PB	112.00	+0.10 / -0.00	112.00	97.00	10.00	112.00	+0.10 / -0.00	97.00	+0.00 / -0.14	11.00	+0.30 / -0.00	25.95
P112098085PB	112.00	+0.10 / -0.00	112.00	98.00	8.50	112.00	+0.10 / -0.00	98.00	+0.00 / -0.14	9.50	+0.30 / -0.00	19.85
P115095150PB	115.00	+0.10 / -0.00	115.00	95.00	15.00	115.00	+0.10 / -0.00	95.00	+0.00 / -0.14	16.00	+0.30 / -0.00	26.35
P115100090PB	115.00	+0.10 / -0.00	115.00	100.00	9.00	115.00	+0.10 / -0.00	100.00	+0.00 / -0.14	10.00	+0.30 / -0.00	21.65
P120100120PB	120.00	+0.10 / -0.00	120.00	100.00	12.00	120.00	+0.10 / -0.00	100.00	+0.00 / -0.14	13.00	+0.30 / -0.00	26.35
P120100150PB	120.00	+0.10 / -0.00	120.00	100.00	15.00	120.00	+0.10 / -0.00	100.00	+0.00 / -0.14	16.00	+0.30 / -0.00	29.10
P120105090PB	120.00	+0.10 / -0.00	120.00	105.00	9.00	120.00	+0.10 / -0.00	105.00	+0.00 / -0.14	10.00	+0.30 / -0.00	21.65
P120105100PB	120.00	+0.10 / -0.00	120.00	105.00	10.00	120.00	+0.10 / -0.00	105.00	+0.00 / -0.14	11.00	+0.30 / -0.00	29.10
P120106085PB	120.00	+0.10 / -0.00	120.00	106.00	8.50	120.00	+0.10 / -0.00	106.00	+0.00 / -0.14	9.50	+0.30 / -0.00	21.65
P125105120PB	125.00	+0.10 / -0.00	125.00	105.00	12.00	125.00	+0.10 / -0.00	105.00	+0.00 / -0.14	13.00	+0.30 / -0.00	29.10
P125105150PB	125.00	+0.10 / -0.00	125.00	105.00	15.00	125.00	+0.10 / -0.00	105.00	+0.00 / -0.14	16.00	+0.30 / -0.00	29.10
P125105160PB	125.00	+0.10 / -0.00	125.00	105.00	16.00	125.00	+0.10 / -0.00	105.00	+0.00 / -0.14	17.00	+0.30 / -0.00	29.10
P125110090PB	125.00	+0.10 / -0.00	125.00	110.00	9.00	125.00	+0.10 / -0.00	110.00	+0.00 / -0.14	10.00	+0.30 / -0.00	29.10
P125110100PB	125.00	+0.10 / -0.00	125.00	110.00	10.00	125.00	+0.10 / -0.00	110.00	+0.00 / -0.14	11.00	+0.30 / -0.00	29.10
P125112090PB	125.00	+0.10 / -0.00	125.00	112.00	9.00	125.00	+0.10 / -0.00	112.00	+0.00 / -0.14	10.00	+0.30 / -0.00	26.50
P130100120PB	130.00	+0.10 / -0.00	130.00	100.00	12.00	130.00	+0.10 / -0.00	100.00	+0.00 / -0.14	13.00	+0.30 / -0.00	34.30
P130110150PB	130.00	+0.10 / -0.00	130.00	110.00	15.00	130.00	+0.10 / -0.00	110.00	+0.00 / -0.14	16.00	+0.30 / -0.00	34.30
P130110160PB	130.00	+0.10 / -0.00	130.00	110.00	16.00	130.00	+0.10 / -0.00	110.00	+0.00 / -0.14	17.00	+0.30 / -0.00	34.30
P130115090PB	130.00	+0.10 / -0.00	130.00	115.00	9.00	130.00	+0.10 / -0.00	115.00	+0.00 / -0.14	10.00	+0.30 / -0.00	26.50
P130115100PB	130.00	+0.10 / -0.00	130.00	115.00	10.00	130.00	+0.10 / -0.00	115.00	+0.00 / -0.14	11.00	+0.30 / -0.00	34.30
P132112150PB	132.00	+0.10 / -0.00	132.00	112.00	15.00	132.00	+0.10 / -0.00	112.00	+0.00 / -0.14	16.00	+0.30 / -0.00	34.30
P135115130PB	135.00	+0.10 / -0.00	135.00	115.00	13.00	135.00	+0.10 / -0.00	115.00	+0.00 / -0.14	14.00	+0.30 / -0.00	34.30
P140120120PB	140.00	+0.10 / -0.00	140.00	120.00	12.00	140.00	+0.10 / -0.00	120.00	+0.00 / -0.14	13.00	+0.30 / -0.00	34.30
P140120150PB	140.00	+0.10 / -0.00	140.00	120.00	15.00	140.00	+0.10 / -0.00	120.00	+0.00 / -0.14	16.00	+0.30 / -0.00	34.30
P140120160PB	140.00	+0.10 / -0.00	140.00	120.00	16.00	140.00	+0.10 / -0.00	120.00	+0.00 / -0.14	17.00	+0.30 / -0.00	34.30
P140125090PB	140.00	+0.10 / -0.00	140.00	125.00	9.00	140.00	+0.10 / -0.00	125.00	+0.00 / -0.16	10.00	+0.30 / -0.00	26.50
P140125100PB	140.00	+0.10 / -0.00	140.00	125.00	10.00	140.00	+0.10 / -0.00	125.00	+0.00 / -0.16	11.00	+0.30 / -0.00	34.30
P145130090PB	145.00	+0.10 / -0.00	145.00	130.00	9.00	145.00	+0.10 / -0.00	130.00	+0.00 / -0.16	10.00	+0.30 / -0.00	28.85
P150125190PB	150.00	+0.10 / -0.00	150.00	125.00	19.00	150.00	+0.10 / -0.00	125.00	+0.00 / -0.16	20.00	+0.30 / -0.00	37.05
P150125200PB	150.00	+0.10 / -0.00	150.00	125.00	20.00	150.00	+0.10 / -0.00	125.00	+0.00 / -0.16	21.00	+0.30 / -0.00	37.05
P150130120PB	150.00	+0.10 / -0.00	150.00	130.00	12.00	150.00	+0.10 / -0.00	130.00	+0.00 / -0.16	13.00	+0.30 / -0.00	37.05
P150130160PB	150.00	+0.10 / -0.00	150.00	130.00	16.00	150.00	+0.10 / -0.00	130.00	+0.00 / -0.16	17.00	+0.30 / -0.00	37.05
P150135090PB	150.00	+0.10 / -0.00	150.00	135.00	9.00	150.00	+0.10 / -0.00	135.00	+0.00 / -0.16	10.00	+0.30 / -0.00	28.85
P150135100PB	150.00	+0.10 / -0.00	150.00	135.00	10.00	150.00	+0.10 / -0.00	135.00	+0.00 / -0.16	11.00	+0.30 / -0.00	37.05

PB SERIES - AU 92A

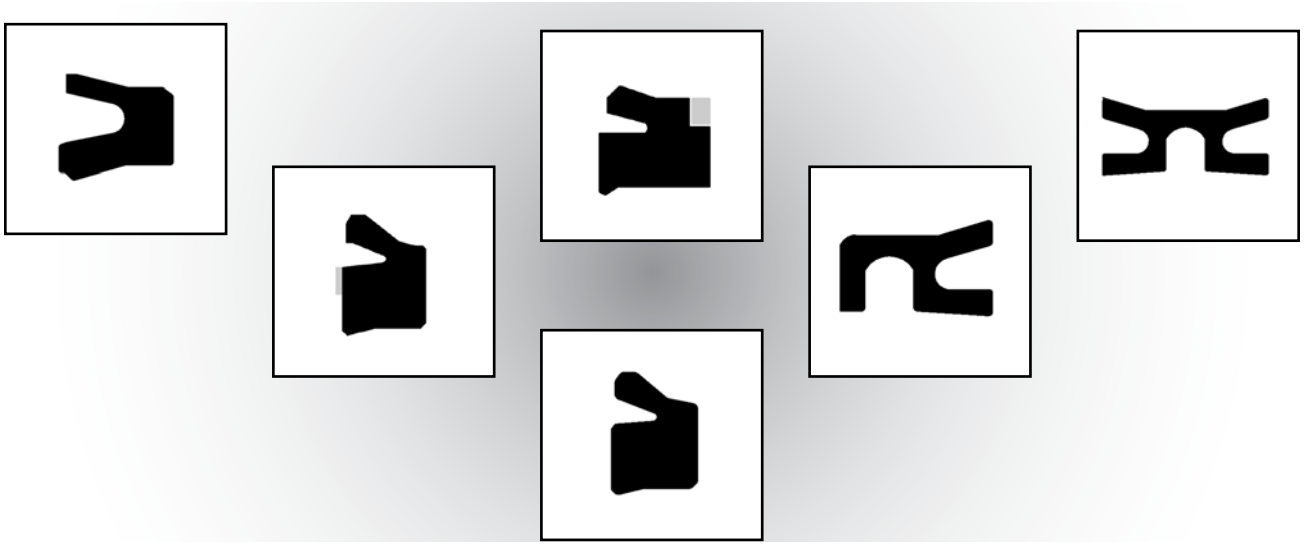
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P150136085PB	150.00	+0.10 / -0.00	150.00	136.00	8.50	150.00	+0.10 / -0.00	136.00	+0.00 / -0.16	9.50	+0.30 / -0.00	28.85
P155140090PB	155.00	+0.10 / -0.00	155.00	140.00	9.00	155.00	+0.10 / -0.00	140.00	+0.00 / -0.16	10.00	+0.30 / -0.00	33.70
P157132200PB	157.00	+0.10 / -0.00	157.00	132.00	20.00	157.00	+0.10 / -0.00	132.00	+0.00 / -0.16	21.00	+0.30 / -0.00	68.90
P160135160PB	160.00	+0.10 / -0.00	160.00	135.00	16.00	160.00	+0.10 / -0.00	135.00	+0.00 / -0.16	17.00	+0.30 / -0.00	68.90
P160135190PB	160.00	+0.10 / -0.00	160.00	135.00	19.00	160.00	+0.10 / -0.00	135.00	+0.00 / -0.16	20.00	+0.30 / -0.00	68.90
P160135200PB	160.00	+0.10 / -0.00	160.00	135.00	20.00	160.00	+0.10 / -0.00	135.00	+0.00 / -0.16	21.00	+0.30 / -0.00	68.90
P160140120PB	160.00	+0.10 / -0.00	160.00	140.00	12.00	160.00	+0.10 / -0.00	140.00	+0.00 / -0.16	13.00	+0.30 / -0.00	68.90
P160140160PB	160.00	+0.10 / -0.00	160.00	140.00	16.00	160.00	+0.10 / -0.00	140.00	+0.00 / -0.16	17.00	+0.30 / -0.00	68.90
P160145090PB	160.00	+0.10 / -0.00	160.00	145.00	9.00	160.00	+0.10 / -0.00	145.00	+0.00 / -0.16	10.00	+0.30 / -0.00	43.30
P160145100PB	160.00	+0.10 / -0.00	160.00	145.00	10.00	160.00	+0.10 / -0.00	145.00	+0.00 / -0.16	11.00	+0.30 / -0.00	68.90
P165140190PB	165.00	+0.10 / -0.00	165.00	140.00	19.00	165.00	+0.10 / -0.00	140.00	+0.00 / -0.16	20.00	+0.30 / -0.00	71.45
P165140200PB	165.00	+0.10 / -0.00	165.00	140.00	20.00	165.00	+0.10 / -0.00	140.00	+0.00 / -0.16	21.00	+0.30 / -0.00	71.45
P165145090PB	165.00	+0.10 / -0.00	165.00	145.00	9.00	165.00	+0.10 / -0.00	145.00	+0.00 / -0.16	10.00	+0.30 / -0.00	71.45
P170145190PB	170.00	+0.10 / -0.00	170.00	145.00	19.00	170.00	+0.10 / -0.00	145.00	+0.00 / -0.16	20.00	+0.30 / -0.00	94.15
P170145200PB	170.00	+0.10 / -0.00	170.00	145.00	20.00	170.00	+0.10 / -0.00	145.00	+0.00 / -0.16	21.00	+0.30 / -0.00	94.15
P170150120PB	170.00	+0.10 / -0.00	170.00	150.00	12.00	170.00	+0.10 / -0.00	150.00	+0.00 / -0.16	13.00	+0.30 / -0.00	94.15
P170150160PB	170.00	+0.10 / -0.00	170.00	150.00	16.00	170.00	+0.10 / -0.00	150.00	+0.00 / -0.16	17.00	+0.30 / -0.00	94.15
P170155090PB	170.00	+0.10 / -0.00	170.00	155.00	9.00	170.00	+0.10 / -0.00	155.00	+0.00 / -0.16	10.00	+0.30 / -0.00	51.70
P170155100PB	170.00	+0.10 / -0.00	170.00	155.00	10.00	170.00	+0.10 / -0.00	155.00	+0.00 / -0.16	11.00	+0.30 / -0.00	94.15
P175150200PB	175.00	+0.13 / -0.00	175.00	150.00	20.00	175.00	+0.13 / -0.00	150.00	+0.00 / -0.16	21.00	+0.30 / -0.00	94.15
P175155120PB	175.00	+0.13 / -0.00	175.00	155.00	12.00	175.00	+0.13 / -0.00	155.00	+0.00 / -0.16	13.00	+0.30 / -0.00	94.15
P175160090PB	175.00	+0.13 / -0.00	175.00	160.00	9.00	175.00	+0.13 / -0.00	160.00	+0.00 / -0.16	10.00	+0.30 / -0.00	59.80
P180155160PB	180.00	+0.13 / -0.00	180.00	155.00	16.00	180.00	+0.13 / -0.00	155.00	+0.00 / -0.16	17.00	+0.30 / -0.00	94.15
P180155190PB	180.00	+0.13 / -0.00	180.00	155.00	19.00	180.00	+0.13 / -0.00	155.00	+0.00 / -0.16	20.00	+0.30 / -0.00	100.50
P180155200PB	180.00	+0.13 / -0.00	180.00	155.00	20.00	180.00	+0.13 / -0.00	155.00	+0.00 / -0.16	21.00	+0.30 / -0.00	94.15
P180160120PB	180.00	+0.13 / -0.00	180.00	160.00	12.00	180.00	+0.13 / -0.00	160.00	+0.00 / -0.16	13.00	+0.30 / -0.00	100.50
P180160160PB	180.00	+0.13 / -0.00	180.00	160.00	16.00	180.00	+0.13 / -0.00	160.00	+0.00 / -0.16	17.00	+0.30 / -0.00	100.50
P180160200PB	180.00	+0.13 / -0.00	180.00	160.00	20.00	180.00	+0.13 / -0.00	160.00	+0.00 / -0.16	21.00	+0.30 / -0.00	105.75
P180165090PB	180.00	+0.13 / -0.00	180.00	165.00	9.00	180.00	+0.13 / -0.00	165.00	+0.00 / -0.16	10.00	+0.30 / -0.00	59.80
P180165100PB	180.00	+0.13 / -0.00	180.00	165.00	10.00	180.00	+0.13 / -0.00	165.00	+0.00 / -0.16	11.00	+0.30 / -0.00	100.50
P180165120PB	180.00	+0.13 / -0.00	180.00	165.00	12.00	180.00	+0.13 / -0.00	165.00	+0.00 / -0.16	13.00	+0.30 / -0.00	105.75
P180165160PB	180.00	+0.13 / -0.00	180.00	165.00	16.00	180.00	+0.13 / -0.00	165.00	+0.00 / -0.16	17.00	+0.30 / -0.00	112.30
P180165190PB	180.00	+0.13 / -0.00	180.00	165.00	19.00	180.00	+0.13 / -0.00	165.00	+0.00 / -0.16	20.00	+0.30 / -0.00	100.50
P180170065PB	180.00	+0.13 / -0.00	180.00	170.00	6.50	180.00	+0.13 / -0.00	170.00	+0.00 / -0.16	7.50	+0.30 / -0.00	59.80
P190165150PB	190.00	+0.13 / -0.00	190.00	165.00	15.00	190.00	+0.13 / -0.00	165.00	+0.00 / -0.16	16.00	+0.30 / -0.00	112.30
P190165200PB	190.00	+0.13 / -0.00	190.00	165.00	20.00	190.00	+0.13 / -0.00	165.00	+0.00 / -0.16	21.00	+0.30 / -0.00	112.30
P190170120PB	190.00	+0.13 / -0.00	190.00	170.00	12.00	190.00	+0.13 / -0.00	170.00	+0.00 / -0.16	13.00	+0.30 / -0.00	112.30
P190170160PB	190.00	+0.13 / -0.00	190.00	170.00	16.00	190.00	+0.13 / -0.00	170.00	+0.00 / -0.16	17.00	+0.30 / -0.00	112.30
P190175090PB	190.00	+0.13 / -0.00	190.00	175.00	9.00	190.00	+0.13 / -0.00	175.00	+0.00 / -0.16	10.00	+0.30 / -0.00	65.30
P190175100PB	190.00	+0.13 / -0.00	190.00	175.00	10.00	190.00	+0.13 / -0.00	175.00	+0.00 / -0.16	11.00	+0.30 / -0.00	112.30
P200175160PB	200.00	+0.13 / -0.00	200.00	175.00	16.00	200.00	+0.13 / -0.00	175.00	+0.00 / -0.16	17.00	+0.30 / -0.00	125.55
P200175190PB	200.00	+0.13 / -0.00	200.00	175.00	19.00	200.00	+0.13 / -0.00	175.00	+0.00 / -0.16	20.00	+0.30 / -0.00	125.55
P200175200PB	200.00	+0.13 / -0.00	200.00	175.00	20.00	200.00	+0.13 / -0.00	175.00	+0.00 / -0.16	21.00	+0.30 / -0.00	125.55
P200180120PB	200.00	+0.13 / -0.00	200.00	180.00	12.00	200.00	+0.13 / -0.00	180.00	+0.00 / -0.16	13.00	+0.30 / -0.00	85.55
P200180160PB	200.00	+0.13 / -0.00	200.00	180.00	16.00	200.00	+0.13 / -0.00	180.00	+0.00 / -0.16	17.00	+0.30 / -0.00	125.55
P205180150PB	205.00	+0.13 / -0.00	205.00	180.00	15.00	205.00	+0.13 / -0.00	180.00	+0.00 / -0.16	16.00	+0.30 / -0.00	128.90
P205180190PB	205.00	+0.13 / -0.00	205.00	180.00	19.00	205.00	+0.13 / -0.00	180.00	+0.00 / -0.16	20.00	+0.30 / -0.00	128.90
P205180200PB	205.00	+0.13 / -0.00	205.00	180.00	20.00	205.00	+0.13 / -0.00	180.00	+0.00 / -0.16	21.00	+0.30 / -0.00	128.90

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P210185160PB	210.00	+0.13 / -0.00	210.00	185.00	16.00	210.00	+0.13 / -0.00	185.00	+0.00 / -0.18	17.00	+0.30 / -0.00	128.90
P210185200PB	210.00	+0.13 / -0.00	210.00	185.00	20.00	210.00	+0.13 / -0.00	185.00	+0.00 / -0.18	21.00	+0.30 / -0.00	128.90
P210190120PB	210.00	+0.13 / -0.00	210.00	190.00	12.00	210.00	+0.13 / -0.00	190.00	+0.00 / -0.18	13.00	+0.30 / -0.00	93.70
P210190160PB	210.00	+0.13 / -0.00	210.00	190.00	16.00	210.00	+0.13 / -0.00	190.00	+0.00 / -0.18	17.00	+0.30 / -0.00	128.90
P215190160PB	215.00	+0.13 / -0.00	215.00	190.00	16.00	215.00	+0.13 / -0.00	190.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P220195160PB	220.00	+0.13 / -0.00	220.00	195.00	16.00	220.00	+0.13 / -0.00	195.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P220195200PB	220.00	+0.13 / -0.00	220.00	195.00	20.00	220.00	+0.13 / -0.00	195.00	+0.00 / -0.18	21.00	+0.30 / -0.00	137.45
P220200120PB	220.00	+0.13 / -0.00	220.00	200.00	12.00	220.00	+0.13 / -0.00	200.00	+0.00 / -0.18	13.00	+0.30 / -0.00	99.75
P220200160PB	220.00	+0.13 / -0.00	220.00	200.00	16.00	220.00	+0.13 / -0.00	200.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P224199160PB	224.00	+0.13 / -0.00	224.00	199.00	16.00	224.00	+0.13 / -0.00	199.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P224199200PB	224.00	+0.13 / -0.00	224.00	199.00	20.00	224.00	+0.13 / -0.00	199.00	+0.00 / -0.18	21.00	+0.30 / -0.00	137.45
P224204120PB	224.00	+0.13 / -0.00	224.00	204.00	12.00	224.00	+0.13 / -0.00	204.00	+0.00 / -0.18	13.00	+0.30 / -0.00	99.75
P224204160PB	224.00	+0.13 / -0.00	224.00	204.00	16.00	224.00	+0.13 / -0.00	204.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P225200160PB	225.00	+0.13 / -0.00	225.00	200.00	16.00	225.00	+0.13 / -0.00	200.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P225200190PB	225.00	+0.13 / -0.00	225.00	200.00	19.00	225.00	+0.13 / -0.00	200.00	+0.00 / -0.18	20.00	+0.30 / -0.00	137.45
P225200200PB	225.00	+0.13 / -0.00	225.00	200.00	20.00	225.00	+0.13 / -0.00	200.00	+0.00 / -0.18	21.00	+0.30 / -0.00	137.45
P225205120PB	225.00	+0.13 / -0.00	225.00	205.00	12.00	225.00	+0.13 / -0.00	205.00	+0.00 / -0.18	13.00	+0.30 / -0.00	99.75
P225205160PB	225.00	+0.13 / -0.00	225.00	205.00	16.00	225.00	+0.13 / -0.00	205.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P230205160PB	230.00	+0.13 / -0.00	230.00	205.00	16.00	230.00	+0.13 / -0.00	205.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P230205190PB	230.00	+0.13 / -0.00	230.00	205.00	19.00	230.00	+0.13 / -0.00	205.00	+0.00 / -0.18	20.00	+0.30 / -0.00	137.45
P230205200PB	230.00	+0.13 / -0.00	230.00	205.00	20.00	230.00	+0.13 / -0.00	205.00	+0.00 / -0.18	21.00	+0.30 / -0.00	137.45
P230210120PB	230.00	+0.13 / -0.00	230.00	210.00	12.00	230.00	+0.13 / -0.00	210.00	+0.00 / -0.18	13.00	+0.30 / -0.00	105.75
P230210160PB	230.00	+0.13 / -0.00	230.00	210.00	16.00	230.00	+0.13 / -0.00	210.00	+0.00 / -0.18	17.00	+0.30 / -0.00	137.45
P235210200PB	235.00	+0.13 / -0.00	235.00	210.00	20.00	235.00	+0.13 / -0.00	210.00	+0.00 / -0.18	21.00	+0.30 / -0.00	153.35
P240215160PB	240.00	+0.13 / -0.00	240.00	215.00	16.00	240.00	+0.13 / -0.00	215.00	+0.00 / -0.18	17.00	+0.30 / -0.00	153.35
P240215190PB	240.00	+0.13 / -0.00	240.00	215.00	19.00	240.00	+0.13 / -0.00	215.00	+0.00 / -0.18	20.00	+0.30 / -0.00	153.35
P240215200PB	240.00	+0.13 / -0.00	240.00	215.00	20.00	240.00	+0.13 / -0.00	215.00	+0.00 / -0.18	21.00	+0.30 / -0.00	153.35
P240220120PB	240.00	+0.13 / -0.00	240.00	220.00	12.00	240.00	+0.13 / -0.00	220.00	+0.00 / -0.18	13.00	+0.30 / -0.00	111.70
P240220160PB	240.00	+0.13 / -0.00	240.00	220.00	16.00	240.00	+0.13 / -0.00	220.00	+0.00 / -0.18	17.00	+0.30 / -0.00	153.35
P250225160PB	250.00	+0.13 / -0.00	250.00	225.00	16.00	250.00	+0.13 / -0.00	225.00	+0.00 / -0.18	17.00	+0.30 / -0.00	166.55
P250225190PB	250.00	+0.13 / -0.00	250.00	225.00	19.00	250.00	+0.13 / -0.00	225.00	+0.00 / -0.18	20.00	+0.30 / -0.00	314.80
P250225200PB	250.00	+0.13 / -0.00	250.00	225.00	20.00	250.00	+0.13 / -0.00	225.00	+0.00 / -0.18	21.00	+0.30 / -0.00	349.65
P250230120PB	250.00	+0.13 / -0.00	250.00	230.00	12.00	250.00	+0.13 / -0.00	230.00	+0.00 / -0.18	13.00	+0.30 / -0.00	132.15
P250230160PB	250.00	+0.13 / -0.00	250.00	230.00	16.00	250.00	+0.13 / -0.00	230.00	+0.00 / -0.18	17.00	+0.30 / -0.00	349.65
P255230190PB	255.00	+0.13 / -0.00	255.00	230.00	19.00	255.00	+0.13 / -0.00	230.00	+0.00 / -0.18	20.00	+0.30 / -0.00	504.15
P260235160PB	260.00	+0.13 / -0.00	260.00	235.00	16.00	260.00	+0.13 / -0.00	235.00	+0.00 / -0.18	17.00	+0.30 / -0.00	387.70
P260235290PB	260.00	+0.13 / -0.00	260.00	235.00	19.00	260.00	+0.13 / -0.00	235.00	+0.00 / -0.18	20.00	+0.30 / -0.00	387.70
P260240120PB	260.00	+0.13 / -0.00	260.00	240.00	12.00	260.00	+0.13 / -0.00	240.00	+0.00 / -0.18	13.00	+0.30 / -0.00	154.90
P260240160PB	260.00	+0.13 / -0.00	260.00	240.00	16.00	260.00	+0.13 / -0.00	240.00	+0.00 / -0.18	17.00	+0.30 / -0.00	388.25
P270245160PB	270.00	+0.13 / -0.00	270.00	245.00	16.00	270.00	+0.13 / -0.00	245.00	+0.00 / -0.18	17.00	+0.30 / -0.00	425.75
P270245190PB	270.00	+0.13 / -0.00	270.00	245.00	19.00	270.00	+0.13 / -0.00	245.00	+0.00 / -0.18	20.00	+0.30 / -0.00	425.75
P270250120PB	270.00	+0.13 / -0.00	270.00	250.00	12.00	270.00	+0.13 / -0.00	250.00	+0.00 / -0.18	13.00	+0.30 / -0.00	154.90
P270250160PB	270.00	+0.13 / -0.00	270.00	250.00	16.00	270.00	+0.13 / -0.00	250.00	+0.00 / -0.18	17.00	+0.30 / -0.00	425.75
P275250190PB	275.00	+0.13 / -0.00	275.00	250.00	19.00	275.00	+0.13 / -0.00	250.00	+0.00 / -0.18	20.00	+0.30 / -0.00	432.55
P275250200PB	275.00	+0.13 / -0.00	275.00	250.00	20.00	275.00	+0.13 / -0.00	250.00	+0.00 / -0.18	21.00	+0.30 / -0.00	480.45
P280250190PB	280.00	+0.15 / -0.00	280.00	250.00	19.00	280.00	+0.15 / -0.00	250.00	+0.00 / -0.18	20.00	+0.30 / -0.00	504.30
P280255160PB	280.00	+0.15 / -0.00	280.00	255.00	16.00	280.00	+0.15 / -0.00	255.00	+0.00 / -0.21	17.00	+0.30 / -0.00	154.90
P280255190PB	280.00	+0.15 / -0.00	280.00	255.00	19.00	280.00	+0.15 / -0.00	255.00	+0.00 / -0.21	20.00	+0.30 / -0.00	504.30

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Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P290260190PB	290.00	+0.15 / -0.00	290.00	260.00	19.00	290.00	+0.15 / -0.00	260.00	+0.00 / -0.21	20.00	+0.30 / -0.00	527.25
P290265160PB	290.00	+0.15 / -0.00	290.00	265.00	16.00	290.00	+0.15 / -0.00	265.00	+0.00 / -0.21	17.00	+0.30 / -0.00	154.90
P290265190PB	290.00	+0.15 / -0.00	290.00	265.00	19.00	290.00	+0.15 / -0.00	265.00	+0.00 / -0.21	20.00	+0.30 / -0.00	527.25
P290265240PB	290.00	+0.15 / -0.00	290.00	265.00	24.00	290.00	+0.15 / -0.00	265.00	+0.00 / -0.21	25.00	+0.30 / -0.00	517.35
P297265250PB	297.00	+0.15 / -0.00	297.00	265.00	25.00	297.00	+0.15 / -0.00	265.00	+0.00 / -0.21	25.00	+0.30 / -0.00	574.80
P300270190PB	300.00	+0.15 / -0.00	300.00	270.00	19.00	300.00	+0.15 / -0.00	270.00	+0.00 / -0.21	20.00	+0.30 / -0.00	574.80
P300270240PB	300.00	+0.15 / -0.00	300.00	270.00	24.00	300.00	+0.15 / -0.00	270.00	+0.00 / -0.21	25.00	+0.30 / -0.00	398.45
P300270250PB	300.00	+0.15 / -0.00	300.00	270.00	25.00	300.00	+0.15 / -0.00	270.00	+0.00 / -0.21	25.00	+0.30 / -0.00	574.80
P300275160PB	300.00	+0.15 / -0.00	300.00	275.00	16.00	300.00	+0.15 / -0.00	275.00	+0.00 / -0.21	17.00	+0.30 / -0.00	154.90
P300275190PB	300.00	+0.15 / -0.00	300.00	275.00	19.00	300.00	+0.15 / -0.00	275.00	+0.00 / -0.21	20.00	+0.30 / -0.00	574.80
P305280160PB	305.00	+0.15 / -0.00	305.00	280.00	16.00	305.00	+0.15 / -0.00	280.00	+0.00 / -0.21	17.00	+0.30 / -0.00	891.95
P312280240PB	312.00	+0.15 / -0.00	312.00	280.00	24.00	312.00	+0.15 / -0.00	280.00	+0.00 / -0.21	25.00	+0.30 / -0.00	573.10
P320290190PB	320.00	+0.15 / -0.00	320.00	290.00	19.00	320.00	+0.15 / -0.00	290.00	+0.00 / -0.21	20.00	+0.30 / -0.00	1051.15
P320295160PB	320.00	+0.15 / -0.00	320.00	295.00	16.00	320.00	+0.15 / -0.00	295.00	+0.00 / -0.21	17.00	+0.30 / -0.00	914.00
P325295200PB	325.00	+0.15 / -0.00	325.00	295.00	20.00	325.00	+0.15 / -0.00	295.00	+0.00 / -0.21	21.00	+0.30 / -0.00	1059.70
P330300190PB	330.00	+0.15 / -0.00	330.00	300.00	19.00	330.00	+0.15 / -0.00	300.00	+0.00 / -0.21	20.00	+0.30 / -0.00	1068.20
P332300240PB	332.00	+0.15 / -0.00	332.00	300.00	24.00	332.00	+0.15 / -0.00	300.00	+0.00 / -0.21	25.00	+0.30 / -0.00	698.00
P350330200PB	350.00	+0.15 / -0.00	350.00	330.00	20.00	350.00	+0.15 / -0.00	330.00	+0.00 / -0.23	21.00	+0.30 / -0.00	958.50
P390345200PB	390.00	+0.15 / -0.00	390.00	345.00	20.00	390.00	+0.15 / -0.00	345.00	+0.00 / -0.23	21.00	+0.30 / -0.00	1026.95
P420390190PB	420.00	+0.15 / -0.00	420.00	390.00	19.00	420.00	+0.15 / -0.00	390.00	+0.00 / -0.23	20.00	+0.30 / -0.00	1062.10
P750720200PB	750.00	+0.15 / -0.00	750.00	720.00	20.00	750.00	+0.15 / -0.00	720.00	+0.00 / -0.25	21.00	+0.30 / -0.00	O/R

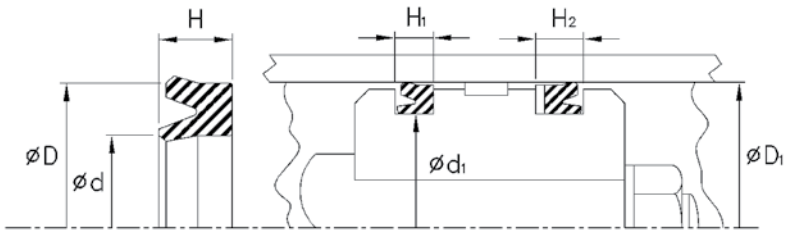
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



PB/N - Piston Seals

Nitrile NBR 85A





N.B.: $H_2=H_1$ + B.UP RING THICKNESS

Temperature: -22/176F [-30/80C] **Pressure: 2300 PSI [16 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P004001017PB/N	4.00	+0.08 / -0.00	4.00	1.50	1.70	4.00	+0.08 / -0.00	1.50	+0.00 / -0.02	2.20	+0.20 / -0.00	O/R
P005002022PB/N	5.00	+0.08 / -0.00	5.00	2.00	2.20	5.00	+0.08 / -0.00	2.00	+0.00 / -0.02	2.70	+0.20 / -0.00	O/R
P006002020PB/N	6.00	+0.08 / -0.00	6.00	2.50	2.00	6.00	+0.08 / -0.00	2.50	+0.00 / -0.02	2.50	+0.20 / -0.00	O/R
P006003030PB/N	6.00	+0.08 / -0.00	6.00	3.00	3.00	6.00	+0.08 / -0.00	3.00	+0.00 / -0.02	3.50	+0.20 / -0.00	O/R
P007004020PB/N	7.50	+0.08 / -0.00	7.50	4.00	2.00	7.50	+0.08 / -0.00	4.00	+0.00 / -0.03	2.50	+0.20 / -0.00	O/R
P008003035PB/N	8.00	+0.08 / -0.00	8.00	3.00	3.50	8.00	+0.08 / -0.00	3.00	+0.00 / -0.02	4.00	+0.20 / -0.00	O/R
P008005040PB/N	8.00	+0.08 / -0.00	8.00	5.00	4.00	8.00	+0.08 / -0.00	5.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P009004035PB/N	9.50	+0.08 / -0.00	9.50	4.50	3.50	9.50	+0.08 / -0.00	4.50	+0.00 / -0.03	4.00	+0.20 / -0.00	O/R
P010003040PB/N	10.00	+0.08 / -0.00	10.00	3.00	4.00	10.00	+0.08 / -0.00	3.00	+0.00 / -0.02	4.50	+0.20 / -0.00	O/R
P010003060PB/N	10.00	+0.08 / -0.00	10.00	3.00	6.00	10.00	+0.08 / -0.00	3.00	+0.00 / -0.02	6.50	+0.20 / -0.00	O/R
P010050003PB/N	10.00	+0.08 / -0.00	10.00	5.00	3.00	10.00	+0.08 / -0.00	5.00	+0.00 / -0.03	3.50	+0.20 / -0.00	O/R
P010005035PB/N	10.00	+0.08 / -0.00	10.00	5.00	3.50	10.00	+0.08 / -0.00	5.00	+0.00 / -0.03	4.00	+0.20 / -0.00	O/R
P010006042PB/N	10.00	+0.08 / -0.00	10.00	6.00	4.20	10.00	+0.08 / -0.00	6.00	+0.00 / -0.03	4.70	+0.20 / -0.00	O/R
P011006040PB/N	11.00	+0.08 / -0.00	11.00	6.00	4.00	11.00	+0.08 / -0.00	6.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P011006040PB/N-1	11.50	+0.08 / -0.00	11.50	6.00	4.00	11.50	+0.08 / -0.00	6.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P012004080PB/N	12.00	+0.08 / -0.00	12.00	4.00	8.00	12.00	+0.08 / -0.00	4.00	+0.00 / -0.03	8.50	+0.20 / -0.00	O/R
P012006040PB/N	12.00	+0.08 / -0.00	12.00	6.00	4.00	12.00	+0.08 / -0.00	6.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P012006080PB/N	12.00	+0.08 / -0.00	12.00	6.00	8.00	12.00	+0.08 / -0.00	6.00	+0.00 / -0.03	8.50	+0.20 / -0.00	O/R
P012007040PB/N	12.00	+0.08 / -0.00	12.00	7.00	4.00	12.00	+0.08 / -0.00	7.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P012008030PB/N	12.00	+0.08 / -0.00	12.00	8.00	3.00	12.00	+0.08 / -0.00	8.00	+0.00 / -0.03	3.50	+0.20 / -0.00	O/R
P013007040PB/N	13.00	+0.08 / -0.00	13.00	7.00	4.00	13.00	+0.08 / -0.00	7.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P013007065PB/N	13.00	+0.08 / -0.00	13.00	7.00	6.50	13.00	+0.08 / -0.00	7.00	+0.00 / -0.03	7.00	+0.20 / -0.00	O/R
P013008040PB/N	13.50	+0.08 / -0.00	13.50	8.00	4.00	13.50	+0.08 / -0.00	8.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P014006055PB/N	14.00	+0.08 / -0.00	14.00	6.00	5.50	14.00	+0.08 / -0.00	6.00	+0.00 / -0.03	6.00	+0.20 / -0.00	O/R
P014006080PB/N	14.00	+0.08 / -0.00	14.00	6.00	8.00	14.00	+0.08 / -0.00	6.00	+0.00 / -0.03	8.50	+0.20 / -0.00	O/R
P014008040PB/N	14.00	+0.08 / -0.00	14.00	8.00	4.00	14.00	+0.08 / -0.00	8.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P015006080PB/N	15.00	+0.08 / -0.00	15.00	6.00	8.00	15.00	+0.08 / -0.00	6.00	+0.00 / -0.03	8.50	+0.20 / -0.00	O/R
P015007055PB/N	15.00	+0.08 / -0.00	15.00	7.00	5.50	15.00	+0.08 / -0.00	7.00	+0.00 / -0.03	6.00	+0.20 / -0.00	O/R
P015008050PB/N	15.00	+0.08 / -0.00	15.00	8.00	5.00	15.00	+0.08 / -0.00	8.00	+0.00 / -0.03	5.50	+0.20 / -0.00	O/R
P015010040PB/N	15.70	+0.08 / -0.00	15.70	10.00	4.00	15.70	+0.08 / -0.00	10.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P016008055PB/N	16.00	+0.08 / -0.00	16.00	8.00	5.50	16.00	+0.08 / -0.00	8.00	+0.00 / -0.03	6.00	+0.20 / -0.00	O/R
P016008060PB/N	16.00	+0.08 / -0.00	16.00	8.00	6.00	16.00	+0.08 / -0.00	8.00	+0.00 / -0.03	6.50	+0.20 / -0.00	O/R
P016009050PB/N	16.00	+0.08 / -0.00	16.00	9.00	5.00	16.00	+0.08 / -0.00	9.00	+0.00 / -0.03	5.50	+0.20 / -0.00	O/R
P016010040PB/N	16.00	+0.08 / -0.00	16.00	10.00	4.00	16.00	+0.08 / -0.00	10.00	+0.00 / -0.03	4.50	+0.20 / -0.00	O/R
P016010050PB/N	16.00	+0.08 / -0.00	16.00	10.00	5.00	16.00	+0.08 / -0.00	10.00	+0.00 / -0.03	5.50	+0.20 / -0.00	O/R
P016010060PB/N	16.00	+0.08 / -0.00	16.00	10.00	6.00	16.00	+0.08 / -0.00	10.00	+0.00 / -0.03	6.50	+0.20 / -0.00	O/R
P017009080PB/N	17.00	+0.08 / -0.00	17.00	9.00	8.00	17.00	+0.08 / -0.00	9.00	+0.00 / -0.03	8.50	+0.20 / -0.00	O/R
P017011030PB/N	17.50	+0.08 / -0.00	17.50	11.70	3.00	17.50	+0.08 / -0.00	11.70	+0.00 / -0.04	3.50	+0.20 / -0.00	O/R

PB/N SERIES - NBR 85A

Ref.Number	Bore diameter	Tol.	Nominal Seal Dimensions D	d	H	Housing Dimensions D1	Tol.	d1	Tol.	H1	Tol.	$
P018010055PB/N	18.00	+0.08 / -0.00	18.00	10.00	5.50	18.00	+0.08 / -0.00	10.00	+0.00 / -0.03	6.00	+0.20 / -0.00	O/R
P018010100PB/N	18.00	+0.08 / -0.00	18.00	10.00	10.00	18.00	+0.08 / -0.00	10.00	+0.00 / -0.03	11.00	+0.20 / -0.00	O/R
P020010070PB/N	20.00	+0.08 / -0.00	20.00	10.00	7.00	20.00	+0.08 / -0.00	10.00	+0.00 / -0.03	7.50	+0.20 / -0.00	O/R
P020010075PB/N	20.00	+0.08 / -0.00	20.00	10.00	7.50	20.00	+0.08 / -0.00	10.00	+0.00 / -0.03	8.00	+0.20 / -0.00	O/R
P020012055PB/N	20.00	+0.08 / -0.00	20.00	12.00	5.50	20.00	+0.08 / -0.00	12.00	+0.00 / -0.04	6.00	+0.20 / -0.00	O/R
P020014040PB/N	20.00	+0.08 / -0.00	20.00	14.00	4.00	20.00	+0.08 / -0.00	14.00	+0.00 / -0.04	4.50	+0.20 / -0.00	O/R
P020014042PB/N	20.00	+0.08 / -0.00	20.00	14.00	4.20	20.00	+0.08 / -0.00	14.00	+0.00 / -0.04	4.70	+0.20 / -0.00	O/R
P020014060PB/N	20.00	+0.08 / -0.00	20.00	14.00	6.00	20.00	+0.08 / -0.00	14.00	+0.00 / -0.04	6.50	+0.20 / -0.00	O/R
P022012060PB/N	22.00	+0.08 / -0.00	22.00	12.00	6.00	22.00	+0.08 / -0.00	12.00	+0.00 / -0.04	6.50	+0.20 / -0.00	O/R
P022014055PB/N	22.00	+0.08 / -0.00	22.00	14.00	5.50	22.00	+0.08 / -0.00	14.00	+0.00 / -0.04	6.00	+0.20 / -0.00	O/R
P022016050PB/N	22.00	+0.08 / -0.00	22.00	16.00	5.00	22.00	+0.08 / -0.00	16.00	+0.00 / -0.04	5.50	+0.20 / -0.00	O/R
P024014075PB/N	24.00	+0.08 / -0.00	24.00	14.00	7.50	24.00	+0.08 / -0.00	14.00	+0.00 / -0.04	8.00	+0.20 / -0.00	O/R
P024016050PB/N	24.00	+0.08 / -0.00	24.00	16.00	5.00	24.00	+0.08 / -0.00	16.00	+0.00 / -0.04	5.50	+0.20 / -0.00	O/R
P024016055PB/N	24.00	+0.08 / -0.00	24.00	16.00	5.50	24.00	+0.08 / -0.00	16.00	+0.00 / -0.04	6.00	+0.20 / -0.00	O/R
P024016090PB/N	24.00	+0.08 / -0.00	24.00	16.00	9.00	24.00	+0.08 / -0.00	16.00	+0.00 / -0.04	10.00	+0.20 / -0.00	O/R
P024017065PB/N	24.00	+0.08 / -0.00	24.00	17.00	6.50	24.00	+0.08 / -0.00	17.00	+0.00 / -0.04	7.00	+0.20 / -0.00	O/R
P025012097PB/N	25.00	+0.08 / -0.00	25.00	12.00	9.70	25.00	+0.08 / -0.00	12.00	+0.00 / -0.04	10.70	+0.20 / -0.00	O/R
P025015050PB/N	25.00	+0.08 / -0.00	25.00	15.00	5.00	25.00	+0.08 / -0.00	15.00	+0.00 / -0.04	5.50	+0.20 / -0.00	O/R
P025015075PB/N	25.00	+0.08 / -0.00	25.00	15.00	7.50	25.00	+0.08 / -0.00	15.00	+0.00 / -0.04	8.00	+0.20 / -0.00	O/R
P025015058PB/N	25.00	+0.08 / -0.00	25.00	15.50	5.80	25.00	+0.08 / -0.00	15.50	+0.00 / -0.04	6.30	+0.20 / -0.00	O/R
P025017045PB/N	25.00	+0.08 / -0.00	25.00	17.00	4.50	25.00	+0.08 / -0.00	17.00	+0.00 / -0.04	5.00	+0.20 / -0.00	O/R
P025017055PB/N	25.00	+0.08 / -0.00	25.00	17.00	5.50	25.00	+0.08 / -0.00	17.00	+0.00 / -0.04	6.00	+0.20 / -0.00	O/R
P025017065PB/N	25.00	+0.08 / -0.00	25.00	17.00	6.50	25.00	+0.08 / -0.00	17.00	+0.00 / -0.04	7.00	+0.20 / -0.00	O/R
P026018055PB/N	26.00	+0.08 / -0.00	26.00	18.00	5.50	26.00	+0.08 / -0.00	18.00	+0.00 / -0.04	6.00	+0.20 / -0.00	O/R
P027017080PB/N	27.00	+0.08 / -0.00	27.00	17.00	8.00	27.00	+0.08 / -0.00	17.00	+0.00 / -0.04	8.50	+0.20 / -0.00	O/R
P028016090PB/N	28.00	+0.08 / -0.00	28.00	16.00	9.00	28.00	+0.08 / -0.00	16.00	+0.00 / -0.04	10.00	+0.20 / -0.00	O/R
P028018070PB/N	28.00	+0.08 / -0.00	28.00	18.00	7.00	28.00	+0.08 / -0.00	18.00	+0.00 / -0.04	7.50	+0.20 / -0.00	O/R
P028018080PB/N	28.00	+0.08 / -0.00	28.00	18.00	8.00	28.00	+0.08 / -0.00	18.00	+0.00 / -0.04	8.50	+0.20 / -0.00	O/R
P028020055PB/N	28.00	+0.08 / -0.00	28.00	20.00	5.50	28.00	+0.08 / -0.00	20.00	+0.00 / -0.05	6.00	+0.20 / -0.00	O/R
P030015102PB/N	30.00	+0.08 / -0.00	30.00	15.00	10.20	30.00	+0.08 / -0.00	15.00	+0.00 / -0.04	11.20	+0.20 / -0.00	O/R
P030018080PB/N	30.00	+0.08 / -0.00	30.00	18.00	8.00	30.00	+0.08 / -0.00	18.00	+0.00 / -0.04	8.50	+0.20 / -0.00	O/R
P030020065PB/N	30.00	+0.08 / -0.00	30.00	20.00	6.50	30.00	+0.08 / -0.00	20.00	+0.00 / -0.05	7.00	+0.20 / -0.00	O/R
P030020070PB/N	30.00	+0.08 / -0.00	30.00	20.00	7.00	30.00	+0.08 / -0.00	20.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P030020080PB/N	30.00	+0.08 / -0.00	30.00	20.00	8.00	30.00	+0.08 / -0.00	20.00	+0.00 / -0.05	8.50	+0.20 / -0.00	O/R
P030022055PB/N	30.00	+0.08 / -0.00	30.00	22.00	5.50	30.00	+0.08 / -0.00	22.00	+0.00 / -0.05	6.00	+0.20 / -0.00	O/R
P032016120PB/N	32.00	+0.08 / -0.00	32.00	16.00	12.00	32.00	+0.08 / -0.00	16.00	+0.00 / -0.04	13.00	+0.20 / -0.00	O/R
P032018120PB/N	32.00	+0.08 / -0.00	32.00	18.00	12.00	32.00	+0.08 / -0.00	18.00	+0.00 / -0.04	13.00	+0.20 / -0.00	O/R
P032020065PB/N	32.00	+0.08 / -0.00	32.00	20.00	6.50	32.00	+0.08 / -0.00	20.00	+0.00 / -0.05	7.00	+0.20 / -0.00	O/R
P032022050PB/N	32.00	+0.08 / -0.00	32.00	22.00	5.00	32.00	+0.08 / -0.00	22.00	+0.00 / -0.05	5.50	+0.20 / -0.00	O/R
P032022070PB/N	32.00	+0.08 / -0.00	32.00	22.00	7.00	32.00	+0.08 / -0.00	22.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P032024055PB/N	32.00	+0.08 / -0.00	32.00	24.00	5.50	32.00	+0.08 / -0.00	24.00	+0.00 / -0.05	6.00	+0.20 / -0.00	O/R
P032024070PB/N	32.00	+0.08 / -0.00	32.00	24.00	7.00	32.00	+0.08 / -0.00	24.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P034024070PB/N	34.00	+0.08 / -0.00	34.00	24.00	7.00	34.00	+0.08 / -0.00	24.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P034025065PB/N	34.00	+0.08 / -0.00	34.00	25.00	6.50	34.00	+0.08 / -0.00	25.00	+0.00 / -0.05	7.00	+0.20 / -0.00	O/R
P035025065PB/N	35.00	+0.08 / -0.00	35.00	25.00	6.50	35.00	+0.08 / -0.00	25.00	+0.00 / -0.05	7.00	+0.20 / -0.00	O/R
P035025070PB/N	35.00	+0.08 / -0.00	35.00	25.00	7.00	35.00	+0.08 / -0.00	25.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P035025080PB/N	35.00	+0.08 / -0.00	35.00	25.00	8.00	35.00	+0.08 / -0.00	25.00	+0.00 / -0.05	8.50	+0.20 / -0.00	O/R
P036024060PB/N	36.00	+0.08 / -0.00	36.00	24.00	6.00	36.00	+0.08 / -0.00	24.00	+0.00 / -0.05	6.50	+0.20 / -0.00	O/R

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P036024090PB/N	36.00	+0.08 / -0.00	36.00	24.00	9.00	36.00	+0.08 / -0.00	24.00	+0.00 / -0.05	10.00	+0.20 / -0.00	O/R
P036026070PB/N	36.00	+0.08 / -0.00	36.00	26.00	7.00	36.00	+0.08 / -0.00	26.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P037021120PB/N	37.00	+0.08 / -0.00	37.00	21.00	12.00	37.00	+0.08 / -0.00	21.00	+0.00 / -0.05	13.00	+0.20 / -0.00	O/R
P037029055PB/N	37.00	+0.08 / -0.00	37.00	29.00	5.50	37.00	+0.08 / -0.00	29.00	+0.00 / -0.05	6.00	+0.20 / -0.00	O/R
P038026100PB/N	38.00	+0.08 / -0.00	38.00	26.00	10.00	38.00	+0.08 / -0.00	26.00	+0.00 / -0.05	11.00	+0.20 / -0.00	O/R
P038028070PB/N	38.00	+0.08 / -0.00	38.00	28.00	7.00	38.00	+0.08 / -0.00	28.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P038028080PB/N	38.00	+0.08 / -0.00	38.00	28.00	8.00	38.00	+0.08 / -0.00	28.00	+0.00 / -0.05	8.50	+0.20 / -0.00	O/R
P040028060PB/N	40.00	+0.08 / -0.00	40.00	28.00	6.00	40.00	+0.08 / -0.00	28.00	+0.00 / -0.05	6.50	+0.20 / -0.00	O/R
P040028090PB/N	40.00	+0.08 / -0.00	40.00	28.00	9.00	40.00	+0.08 / -0.00	28.00	+0.00 / -0.05	10.00	+0.20 / -0.00	O/R
P040030065PB/N	40.00	+0.08 / -0.00	40.00	30.00	6.50	40.00	+0.08 / -0.00	30.00	+0.00 / -0.05	7.00	+0.20 / -0.00	O/R
P040030070PB/N	40.00	+0.08 / -0.00	40.00	30.00	7.00	40.00	+0.08 / -0.00	30.00	+0.00 / -0.05	7.50	+0.20 / -0.00	O/R
P040032055PB/N	40.00	+0.08 / -0.00	40.00	32.00	5.50	40.00	+0.08 / -0.00	32.00	+0.00 / -0.06	6.00	+0.20 / -0.00	O/R
P040033080PB/N	40.00	+0.08 / -0.00	40.00	33.00	8.00	40.00	+0.08 / -0.00	33.00	+0.00 / -0.06	8.50	+0.20 / -0.00	O/R
P042030060PB/N	42.00	+0.08 / -0.00	42.00	30.00	6.00	42.00	+0.08 / -0.00	30.00	+0.00 / -0.05	6.50	+0.20 / -0.00	O/R
P044028120PB/N	44.00	+0.08 / -0.00	44.00	28.00	12.00	44.00	+0.08 / -0.00	28.00	+0.00 / -0.05	13.00	+0.20 / -0.00	O/R
P045029120PB/N	45.00	+0.08 / -0.00	45.00	29.00	12.00	45.00	+0.08 / -0.00	29.00	+0.00 / -0.05	13.00	+0.20 / -0.00	O/R
P045033090PB/N	45.00	+0.08 / -0.00	45.00	33.00	9.00	45.00	+0.08 / -0.00	33.00	+0.00 / -0.06	10.00	+0.20 / -0.00	O/R
P045035070PB/N	45.00	+0.08 / -0.00	45.00	35.00	7.00	45.00	+0.08 / -0.00	35.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P045037060PB/N	45.00	+0.08 / -0.00	45.00	37.00	6.00	45.00	+0.08 / -0.00	37.00	+0.00 / -0.06	6.50	+0.20 / -0.00	O/R
P046036070PB/N	46.00	+0.08 / -0.00	46.00	36.00	7.00	46.00	+0.08 / -0.00	36.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P047031120PB/N	47.00	+0.08 / -0.00	47.00	31.00	12.00	47.00	+0.08 / -0.00	31.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P048040055PB/N	48.00	+0.08 / -0.00	48.00	40.00	5.50	48.00	+0.08 / -0.00	40.00	+0.00 / -0.06	6.00	+0.20 / -0.00	O/R
P050030150PB/N	50.00	+0.08 / -0.00	50.00	30.00	15.00	50.00	+0.08 / -0.00	30.00	+0.00 / -0.05	16.00	+0.20 / -0.00	O/R
P050034120PB/N	50.00	+0.08 / -0.00	50.00	34.00	12.00	50.00	+0.08 / -0.00	34.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P050036100PB/N	50.00	+0.08 / -0.00	50.00	36.00	10.00	50.00	+0.08 / -0.00	36.00	+0.00 / -0.06	11.00	+0.20 / -0.00	O/R
P050038060PB/N	50.00	+0.08 / -0.00	50.00	38.00	6.00	50.00	+0.08 / -0.00	38.00	+0.00 / -0.06	6.50	+0.20 / -0.00	O/R
P050038070PB/N	50.00	+0.08 / -0.00	50.00	38.00	7.00	50.00	+0.08 / -0.00	38.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P050038090PB/N	50.00	+0.08 / -0.00	50.00	38.00	9.00	50.00	+0.08 / -0.00	38.00	+0.00 / -0.06	10.00	+0.20 / -0.00	O/R
P050040070PB/N	50.00	+0.08 / -0.00	50.00	40.00	7.00	50.00	+0.08 / -0.00	40.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P050040080PB/N	50.00	+0.08 / -0.00	50.00	40.00	8.00	50.00	+0.08 / -0.00	40.00	+0.00 / -0.06	8.50	+0.20 / -0.00	O/R
P050042080PB/N	50.00	+0.08 / -0.00	50.00	42.00	8.00	50.00	+0.08 / -0.00	42.00	+0.00 / -0.06	8.50	+0.20 / -0.00	O/R
P052036120PB/N	52.00	+0.08 / -0.00	52.00	36.00	12.00	52.00	+0.08 / -0.00	36.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P052042070PB/N	52.00	+0.08 / -0.00	52.00	42.00	7.00	52.00	+0.08 / -0.00	42.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P052042075PB/N	52.00	+0.08 / -0.00	52.00	42.00	7.50	52.00	+0.08 / -0.00	42.00	+0.00 / -0.06	8.00	+0.20 / -0.00	O/R
P054046080PB/N	54.00	+0.08 / -0.00	54.00	46.00	8.00	54.00	+0.08 / -0.00	46.00	+0.00 / -0.06	8.50	+0.20 / -0.00	O/R
P055045070PB/N	55.00	+0.08 / -0.00	55.00	45.00	7.00	55.00	+0.08 / -0.00	45.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P055045075PB/N	55.00	+0.08 / -0.00	55.00	45.00	7.50	55.00	+0.08 / -0.00	45.00	+0.00 / -0.06	8.00	+0.20 / -0.00	O/R
P055047080PB/N	55.00	+0.08 / -0.00	55.00	47.00	8.00	55.00	+0.08 / -0.00	47.00	+0.00 / -0.06	8.50	+0.20 / -0.00	O/R
P057041120PB/N	57.00	+0.08 / -0.00	57.00	41.00	12.00	57.00	+0.08 / -0.00	41.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P058048120PB/N	58.00	+0.08 / -0.00	58.00	48.00	12.00	58.00	+0.08 / -0.00	48.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P060040120PB/N	60.00	+0.08 / -0.00	60.00	40.00	12.00	60.00	+0.08 / -0.00	40.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P060040150PB/N	60.00	+0.08 / -0.00	60.00	40.00	15.00	60.00	+0.08 / -0.00	40.00	+0.00 / -0.06	16.00	+0.20 / -0.00	O/R
P060044120PB/N	60.00	+0.08 / -0.00	60.00	44.00	12.00	60.00	+0.08 / -0.00	44.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P060048075PB/N	60.00	+0.08 / -0.00	60.00	48.00	7.50	60.00	+0.08 / -0.00	48.00	+0.00 / -0.06	8.00	+0.20 / -0.00	O/R
P060048090PB/N	60.00	+0.08 / -0.00	60.00	48.00	9.00	60.00	+0.08 / -0.00	48.00	+0.00 / -0.06	10.00	+0.20 / -0.00	O/R
P060050070PB/N	60.00	+0.08 / -0.00	60.00	50.00	7.00	60.00	+0.08 / -0.00	50.00	+0.00 / -0.06	7.50	+0.20 / -0.00	O/R
P060050100PB/N	60.00	+0.08 / -0.00	60.00	50.00	10.00	60.00	+0.08 / -0.00	50.00	+0.00 / -0.06	11.00	+0.20 / -0.00	O/R
P062046120PB/N	62.00	+0.08 / -0.00	62.00	46.00	12.00	62.00	+0.08 / -0.00	46.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R

PB/N SERIES - NBR 85A

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P062047100PB/N	62.00	+0.08 / -0.00	62.00	47.00	10.00	62.00	+0.08 / -0.00	47.00	+0.00 / -0.06	11.00	+0.20 / -0.00	O/R
P062052070PB/N	62.00	+0.08 / -0.00	62.00	52.00	7.00	62.00	+0.08 / -0.00	52.00	+0.00 / -0.07	7.50	+0.20 / -0.00	O/R
P062052075PB/N	62.00	+0.08 / -0.00	62.00	52.00	7.50	62.00	+0.08 / -0.00	52.00	+0.00 / -0.07	8.00	+0.20 / -0.00	O/R
P063045120PB/N	63.00	+0.08 / -0.00	63.00	45.00	12.00	63.00	+0.08 / -0.00	45.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P063051060PB/N	63.00	+0.08 / -0.00	63.00	51.00	6.00	63.00	+0.08 / -0.00	51.00	+0.00 / -0.07	6.50	+0.20 / -0.00	O/R
P063051090PB/N	63.00	+0.08 / -0.00	63.00	51.00	9.00	63.00	+0.08 / -0.00	51.00	+0.00 / -0.07	10.00	+0.20 / -0.00	O/R
P063053070PB/N	63.00	+0.08 / -0.00	63.00	53.00	7.00	63.00	+0.08 / -0.00	53.00	+0.00 / -0.07	7.50	+0.20 / -0.00	O/R
P065049120PB/N	65.00	+0.08 / -0.00	65.00	49.00	12.00	65.00	+0.08 / -0.00	49.00	+0.00 / -0.06	13.00	+0.20 / -0.00	O/R
P065053060PB/N	65.00	+0.08 / -0.00	65.00	53.00	6.00	65.00	+0.08 / -0.00	53.00	+0.00 / -0.07	6.50	+0.20 / -0.00	O/R
P065053100PB/N	65.00	+0.08 / -0.00	65.00	53.00	10.00	65.00	+0.08 / -0.00	53.00	+0.00 / -0.07	11.00	+0.20 / -0.00	O/R
P065055070PB/N	65.00	+0.08 / -0.00	65.00	55.00	7.00	65.00	+0.08 / -0.00	55.00	+0.00 / -0.07	7.50	+0.20 / -0.00	O/R
P065055120PB/N	65.00	+0.08 / -0.00	65.00	55.00	12.00	65.00	+0.08 / -0.00	55.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P067057070PB/N	67.00	+0.08 / -0.00	67.00	57.00	7.00	67.00	+0.08 / -0.00	57.00	+0.00 / -0.07	7.50	+0.20 / -0.00	O/R
P068048140PB/N	68.00	+0.08 / -0.00	68.00	48.00	14.00	68.00	+0.08 / -0.00	48.00	+0.00 / -0.06	15.00	+0.20 / -0.00	O/R
P068058070PB/N	68.00	+0.08 / -0.00	68.00	58.00	7.00	68.00	+0.08 / -0.00	58.00	+0.00 / -0.07	7.50	+0.20 / -0.00	O/R
P070050140PB/N	70.00	+0.08 / -0.00	70.00	50.00	14.00	70.00	+0.08 / -0.00	50.00	+0.00 / -0.06	15.00	+0.20 / -0.00	O/R
P070050150PB/N	70.00	+0.08 / -0.00	70.00	50.00	15.00	70.00	+0.08 / -0.00	50.00	+0.00 / -0.06	16.00	+0.20 / -0.00	O/R
P070054080PB/N	70.00	+0.08 / -0.00	70.00	54.00	8.00	70.00	+0.08 / -0.00	54.00	+0.00 / -0.07	8.50	+0.20 / -0.00	O/R
P070054120PB/N	70.00	+0.08 / -0.00	70.00	54.00	12.00	70.00	+0.08 / -0.00	54.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P070058070PB/N	70.00	+0.08 / -0.00	70.00	58.00	7.00	70.00	+0.08 / -0.00	58.00	+0.00 / -0.07	7.50	+0.20 / -0.00	O/R
P070058085PB/N	70.00	+0.08 / -0.00	70.00	58.00	8.50	70.00	+0.08 / -0.00	58.00	+0.00 / -0.07	9.00	+0.20 / -0.00	O/R
P070060075PB/N	70.00	+0.08 / -0.00	70.00	60.00	7.50	70.00	+0.08 / -0.00	60.00	+0.00 / -0.07	8.00	+0.20 / -0.00	O/R
P070062060PB/N	70.00	+0.08 / -0.00	70.00	62.00	6.00	70.00	+0.08 / -0.00	62.00	+0.00 / -0.07	6.50	+0.20 / -0.00	O/R
P074062085PB/N	74.00	+0.08 / -0.00	74.00	62.00	8.50	74.00	+0.08 / -0.00	62.00	+0.00 / -0.07	9.00	+0.20 / -0.00	O/R
P075055120PB/N	75.00	+0.08 / -0.00	75.00	55.00	12.00	75.00	+0.08 / -0.00	55.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P075059120PB/N	75.00	+0.08 / -0.00	75.00	59.00	12.00	75.00	+0.08 / -0.00	59.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P075063085PB/N	75.00	+0.08 / -0.00	75.00	63.00	8.50	75.00	+0.08 / -0.00	63.00	+0.00 / -0.07	9.00	+0.20 / -0.00	O/R
P075065075PB/N	75.00	+0.08 / -0.00	75.00	65.00	7.50	75.00	+0.08 / -0.00	65.00	+0.00 / -0.07	8.00	+0.20 / -0.00	O/R
P080060100PB/N	80.00	+0.10 / -0.00	80.00	60.00	10.00	80.00	+0.10 / -0.00	60.00	+0.00 / -0.07	11.00	+0.20 / -0.00	O/R
P080060140PB/N	80.00	+0.10 / -0.00	80.00	60.00	14.00	80.00	+0.10 / -0.00	60.00	+0.00 / -0.07	15.00	+0.20 / -0.00	O/R
P080063160PB/N	80.00	+0.10 / -0.00	80.00	63.00	16.00	80.00	+0.10 / -0.00	63.00	+0.00 / -0.07	17.00	+0.20 / -0.00	O/R
P080064080PB/N	80.00	+0.10 / -0.00	80.00	64.00	8.00	80.00	+0.10 / -0.00	64.00	+0.00 / -0.07	8.50	+0.20 / -0.00	O/R
P080064100PB/N	80.00	+0.10 / -0.00	80.00	64.00	10.00	80.00	+0.10 / -0.00	64.00	+0.00 / -0.07	11.00	+0.20 / -0.00	O/R
P080064120PB/N	80.00	+0.10 / -0.00	80.00	64.00	12.00	80.00	+0.10 / -0.00	64.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P080068085PB/N	80.00	+0.10 / -0.00	80.00	68.00	8.50	80.00	+0.10 / -0.00	68.00	+0.00 / -0.07	9.00	+0.20 / -0.00	O/R
P080070075PB/N	80.00	+0.10 / -0.00	80.00	70.50	7.50	80.00	+0.10 / -0.00	70.50	+0.00 / -0.07	8.00	+0.20 / -0.00	O/R
P080072120PB/N	80.00	+0.10 / -0.00	80.00	72.00	12.00	80.00	+0.10 / -0.00	72.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P082062150PB/N	82.00	+0.10 / -0.00	82.00	62.00	15.00	82.00	+0.10 / -0.00	62.00	+0.00 / -0.07	16.00	+0.20 / -0.00	O/R
P085073085PB/N	85.00	+0.10 / -0.00	85.00	73.00	8.50	85.00	+0.10 / -0.00	73.00	+0.00 / -0.07	9.00	+0.20 / -0.00	O/R
P085075075PB/N	85.00	+0.10 / -0.00	85.00	75.00	7.50	85.00	+0.10 / -0.00	75.00	+0.00 / -0.07	8.00	+0.20 / -0.00	O/R
P085075080PB/N	85.00	+0.10 / -0.00	85.00	75.00	8.00	85.00	+0.10 / -0.00	75.00	+0.00 / -0.07	8.50	+0.20 / -0.00	O/R
P085075100PB/N	85.00	+0.10 / -0.00	85.00	75.00	10.00	85.00	+0.10 / -0.00	75.00	+0.00 / -0.07	11.00	+0.20 / -0.00	O/R
P090070120PB/N	90.00	+0.10 / -0.00	90.00	70.00	12.00	90.00	+0.10 / -0.00	70.00	+0.00 / -0.07	13.00	+0.20 / -0.00	O/R
P090070150PB/N	90.00	+0.10 / -0.00	90.00	70.00	15.00	90.00	+0.10 / -0.00	70.00	+0.00 / -0.07	16.00	+0.20 / -0.00	O/R
P090074080PB/N	90.00	+0.10 / -0.00	90.00	74.00	8.00	90.00	+0.10 / -0.00	74.00	+0.00 / -0.07	8.50	+0.20 / -0.00	O/R
P090078085PB/N	90.00	+0.10 / -0.00	90.00	78.00	8.50	90.00	+0.10 / -0.00	78.00	+0.00 / -0.07	9.00	+0.20 / -0.00	O/R
P092072150PB/N	92.00	+0.10 / -0.00	92.00	72.00	15.00	92.00	+0.10 / -0.00	72.00	+0.00 / -0.07	16.00	+0.20 / -0.00	O/R
P100080150PB/N	100.00	+0.10 / -0.00	100.00	80.00	15.00	100.00	+0.10 / -0.00	80.00	+0.00 / -0.07	16.00	+0.20 / -0.00	O/R

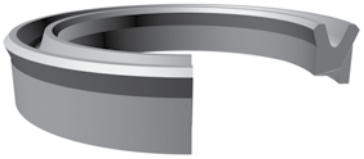
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P100082125PB/N	100.00	+0.10 / -0.00	100.00	82.00	12.50	100.00	+0.10 / -0.00	82.00	+0.00 / -0.08	13.50	+0.20 / -0.00	O/R
P100082135PB/N	100.00	+0.10 / -0.00	100.00	82.00	13.50	100.00	+0.10 / -0.00	82.00	+0.00 / -0.08	14.50	+0.20 / -0.00	O/R
P100084080PB/N	100.00	+0.10 / -0.00	100.00	84.00	8.00	100.00	+0.10 / -0.00	84.00	+0.00 / -0.08	8.50	+0.20 / -0.00	O/R
P100085095PB/N	100.00	+0.10 / -0.00	100.00	85.00	9.50	100.00	+0.10 / -0.00	85.00	+0.00 / -0.08	10.50	+0.20 / -0.00	O/R
P100085120PB/N	100.00	+0.10 / -0.00	100.00	85.00	12.00	100.00	+0.10 / -0.00	85.00	+0.00 / -0.08	13.00	+0.20 / -0.00	O/R
P100088085PB/N	100.00	+0.10 / -0.00	100.00	88.00	8.50	100.00	+0.10 / -0.00	88.00	+0.00 / -0.08	9.00	+0.20 / -0.00	O/R
P100090070PB/N	100.00	+0.10 / -0.00	100.00	90.00	7.00	100.00	+0.10 / -0.00	90.00	+0.00 / -0.08	7.50	+0.20 / -0.00	O/R
P100090105PB/N	100.00	+0.10 / -0.00	100.00	90.00	10.50	100.00	+0.10 / -0.00	90.00	+0.00 / -0.08	11.50	+0.20 / -0.00	O/R
P105085150PB/N	105.00	+0.10 / -0.00	105.00	85.00	15.00	105.00	+0.10 / -0.00	85.00	+0.00 / -0.08	16.00	+0.20 / -0.00	O/R
P105090080PB/N	105.00	+0.10 / -0.00	105.00	90.00	8.00	105.00	+0.10 / -0.00	90.00	+0.00 / -0.08	8.50	+0.20 / -0.00	O/R
P105095100PB/N	105.00	+0.10 / -0.00	105.00	95.00	10.00	105.00	+0.10 / -0.00	95.00	+0.00 / -0.08	11.00	+0.20 / -0.00	O/R
P110090150PB/N	110.00	+0.10 / -0.00	110.00	90.00	15.00	110.00	+0.10 / -0.00	90.00	+0.00 / -0.08	16.00	+0.20 / -0.00	O/R
P110095100PB/N	110.00	+0.10 / -0.00	110.00	95.00	10.00	110.00	+0.10 / -0.00	95.00	+0.00 / -0.08	11.00	+0.20 / -0.00	O/R
P110098085PB/N	110.00	+0.10 / -0.00	110.00	98.00	8.50	110.00	+0.10 / -0.00	98.00	+0.00 / -0.08	9.00	+0.20 / -0.00	O/R
P115095140PB/N	115.00	+0.10 / -0.00	115.00	95.00	14.00	115.00	+0.10 / -0.00	95.00	+0.00 / -0.08	15.00	+0.20 / -0.00	O/R
P115095150PB/N	115.00	+0.10 / -0.00	115.00	95.00	15.00	115.00	+0.10 / -0.00	95.00	+0.00 / -0.08	16.00	+0.20 / -0.00	O/R
P120096160PB/N	120.00	+0.10 / -0.00	120.00	96.00	16.00	120.00	+0.10 / -0.00	96.00	+0.00 / -0.08	17.00	+0.20 / -0.00	O/R
P120100150PB/N	120.00	+0.10 / -0.00	120.00	100.00	15.00	120.00	+0.10 / -0.00	100.00	+0.00 / -0.08	16.00	+0.20 / -0.00	O/R
P120105100PB/N	120.00	+0.10 / -0.00	120.00	105.00	10.00	120.00	+0.10 / -0.00	105.00	+0.00 / -0.08	11.00	+0.20 / -0.00	O/R
P120106140PB/N	120.00	+0.10 / -0.00	120.00	106.00	14.00	120.00	+0.10 / -0.00	106.00	+0.00 / -0.08	15.00	+0.20 / -0.00	O/R
P125103160PB/N	125.00	+0.10 / -0.00	125.00	103.00	16.00	125.00	+0.10 / -0.00	103.00	+0.00 / -0.08	17.00	+0.20 / -0.00	O/R
P125105160PB/N	125.00	+0.10 / -0.00	125.00	105.00	16.00	125.00	+0.10 / -0.00	105.00	+0.00 / -0.08	17.00	+0.20 / -0.00	O/R
P125107125PB/N	125.00	+0.10 / -0.00	125.00	107.00	12.50	125.00	+0.10 / -0.00	107.00	+0.00 / -0.08	13.50	+0.20 / -0.00	O/R
P125109080PB/N	125.00	+0.10 / -0.00	125.00	109.00	8.00	125.00	+0.10 / -0.00	109.00	+0.00 / -0.08	8.50	+0.20 / -0.00	O/R
P125110100PB/N	125.00	+0.10 / -0.00	125.00	110.00	10.00	125.00	+0.10 / -0.00	110.00	+0.00 / -0.08	11.00	+0.20 / -0.00	O/R
P130110150PB/N	130.00	+0.10 / -0.00	130.00	110.00	15.00	130.00	+0.10 / -0.00	110.00	+0.00 / -0.08	16.00	+0.20 / -0.00	O/R
P130115100PB/N	130.00	+0.10 / -0.00	130.00	115.00	10.00	130.00	+0.10 / -0.00	115.00	+0.00 / -0.08	11.00	+0.20 / -0.00	O/R
P135115140PB/N	135.00	+0.10 / -0.00	135.00	115.00	14.00	135.00	+0.10 / -0.00	115.00	+0.00 / -0.08	15.00	+0.20 / -0.00	O/R
P135120112PB/N	135.00	+0.10 / -0.00	135.00	120.00	11.20	135.00	+0.10 / -0.00	120.00	+0.00 / -0.08	12.20	+0.20 / -0.00	O/R
P136116140PB/N	136.00	+0.10 / -0.00	136.00	116.00	14.00	136.00	+0.10 / -0.00	116.00	+0.00 / -0.08	15.00	+0.20 / -0.00	O/R
P140115180PB/N	140.00	+0.10 / -0.00	140.00	115.00	18.00	140.00	+0.10 / -0.00	115.00	+0.00 / -0.08	19.00	+0.20 / -0.00	O/R
P140120100PB/N	140.00	+0.10 / -0.00	140.00	120.00	10.00	140.00	+0.10 / -0.00	120.00	+0.00 / -0.08	11.00	+0.20 / -0.00	O/R
P140120140PB/N	140.00	+0.10 / -0.00	140.00	120.00	14.00	140.00	+0.10 / -0.00	120.00	+0.00 / -0.08	15.00	+0.20 / -0.00	O/R
P140120160PB/N	140.00	+0.10 / -0.00	140.00	120.00	16.00	140.00	+0.10 / -0.00	120.00	+0.00 / -0.08	17.00	+0.20 / -0.00	O/R
P140125100PB/N	140.00	+0.10 / -0.00	140.00	125.00	10.00	140.00	+0.10 / -0.00	125.00	+0.00 / -0.10	11.00	+0.20 / -0.00	O/R
P145130100PB/N	145.00	+0.10 / -0.00	145.00	130.00	10.00	145.00	+0.10 / -0.00	130.00	+0.00 / -0.10	11.00	+0.20 / -0.00	O/R
P150130120PB/N	150.00	+0.10 / -0.00	150.00	130.00	12.00	150.00	+0.10 / -0.00	130.00	+0.00 / -0.10	13.00	+0.20 / -0.00	O/R
P150130150PB/N	150.00	+0.10 / -0.00	150.00	130.00	15.00	150.00	+0.10 / -0.00	130.00	+0.00 / -0.10	16.00	+0.20 / -0.00	O/R
P150135100PB/N	150.00	+0.10 / -0.00	150.00	135.00	10.00	150.00	+0.10 / -0.00	135.00	+0.00 / -0.10	11.00	+0.20 / -0.00	O/R
P150140140PB/N	150.00	+0.10 / -0.00	150.00	140.00	14.00	150.00	+0.10 / -0.00	140.00	+0.00 / -0.10	15.00	+0.20 / -0.00	O/R
P155130180PB/N	155.00	+0.10 / -0.00	155.00	130.00	18.00	155.00	+0.10 / -0.00	130.00	+0.00 / -0.10	19.00	+0.20 / -0.00	O/R
P160130250PB/N	160.00	+0.10 / -0.00	160.00	130.00	25.00	160.00	+0.10 / -0.00	130.00	+0.00 / -0.10	26.00	+0.20 / -0.00	O/R
P160140100PB/N	160.00	+0.10 / -0.00	160.00	140.00	10.00	160.00	+0.10 / -0.00	140.00	+0.00 / -0.10	11.00	+0.20 / -0.00	O/R
P160140140PB/N	160.00	+0.10 / -0.00	160.00	140.00	14.00	160.00	+0.10 / -0.00	140.00	+0.00 / -0.10	15.00	+0.20 / -0.00	O/R
P160144160PB/N	160.00	+0.10 / -0.00	160.00	144.00	16.00	160.00	+0.10 / -0.00	144.00	+0.00 / -0.10	17.00	+0.20 / -0.00	O/R
P160145100PB/N	160.00	+0.10 / -0.00	160.00	145.00	10.00	160.00	+0.10 / -0.00	145.00	+0.00 / -0.10	11.00	+0.20 / -0.00	O/R
P170160150PB/N	170.00	+0.10 / -0.00	170.00	160.00	15.00	170.00	+0.10 / -0.00	160.00	+0.00 / -0.10	16.00	+0.20 / -0.00	O/R
P175145180PB/N	175.00	+0.13 / -0.00	175.00	145.00	18.00	175.00	+0.13 / -0.00	145.00	+0.00 / -0.10	19.00	+0.20 / -0.00	O/R

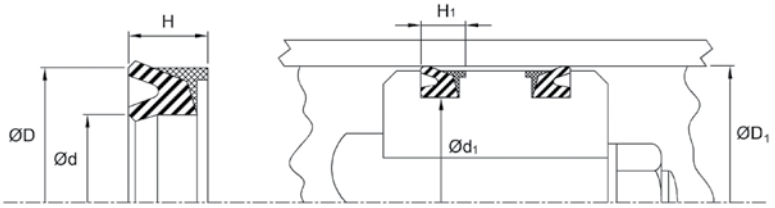
PB/N SERIES - NBR 85A

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P175155140PB/N	175.00	+0.13 / -0.00	175.00	155.00	14.00	175.00	+0.13 / -0.00	155.00	+0.00 / -0.10	15.00	+0.20 / -0.00	O/R
P180160140PB/N	180.00	+0.13 / -0.00	180.00	160.00	14.00	180.00	+0.13 / -0.00	160.00	+0.00 / -0.10	15.00	+0.20 / -0.00	O/R
P180160150PB/N	180.00	+0.13 / -0.00	180.00	160.00	15.00	180.00	+0.13 / -0.00	160.00	+0.00 / -0.10	16.00	+0.20 / -0.00	O/R
P185174150PB/N	185.00	+0.13 / -0.00	185.00	174.00	15.00	185.00	+0.13 / -0.00	174.00	+0.00 / -0.10	16.00	+0.20 / -0.00	O/R
P190170140PB/N	190.00	+0.13 / -0.00	190.00	170.00	14.00	190.00	+0.13 / -0.00	170.00	+0.00 / -0.10	15.00	+0.20 / -0.00	O/R
P190170150PB/N	190.00	+0.13 / -0.00	190.00	170.00	15.00	190.00	+0.13 / -0.00	170.00	+0.00 / -0.10	16.00	+0.20 / -0.00	O/R
P200170250PB/N	200.00	+0.13 / -0.00	200.00	170.00	25.00	200.00	+0.13 / -0.00	170.00	+0.00 / -0.10	26.00	+0.20 / -0.00	O/R
P200176120PB/N	200.00	+0.13 / -0.00	200.00	176.00	12.00	200.00	+0.13 / -0.00	176.00	+0.00 / -0.10	13.00	+0.20 / -0.00	O/R
P200180140PB/N	200.00	+0.13 / -0.00	200.00	180.00	14.00	200.00	+0.13 / -0.00	180.00	+0.00 / -0.10	15.00	+0.20 / -0.00	O/R
P200185150PB/N	200.00	+0.13 / -0.00	200.00	185.00	15.00	200.00	+0.13 / -0.00	185.00	+0.00 / -0.11	16.00	+0.20 / -0.00	O/R
P200186155PB/N	200.00	+0.13 / -0.00	200.00	186.00	15.50	200.00	+0.13 / -0.00	186.00	+0.00 / -0.11	16.50	+0.20 / -0.00	O/R
P220199150PB/N	220.00	+0.13 / -0.00	220.00	199.00	15.00	220.00	+0.13 / -0.00	199.00	+0.00 / -0.11	16.00	+0.20 / -0.00	O/R
P220200140PB/N	220.00	+0.13 / -0.00	220.00	200.00	14.00	220.00	+0.13 / -0.00	200.00	+0.00 / -0.11	15.00	+0.20 / -0.00	O/R
P225200175PB/N	225.00	+0.13 / -0.00	225.00	200.00	17.50	225.00	+0.13 / -0.00	200.00	+0.00 / -0.11	18.50	+0.20 / -0.00	O/R
P230215112PB/N	230.00	+0.13 / -0.00	230.00	215.00	11.20	230.00	+0.13 / -0.00	215.00	+0.00 / -0.11	12.20	+0.20 / -0.00	O/R
P240220140PB/N	240.00	+0.13 / -0.00	240.00	220.00	14.00	240.00	+0.13 / -0.00	220.00	+0.00 / -0.11	15.00	+0.20 / -0.00	O/R
P250225180PB/N	250.00	+0.13 / -0.00	250.00	225.00	18.00	250.00	+0.13 / -0.00	225.00	+0.00 / -0.11	19.00	+0.20 / -0.00	O/R
P250226160PB/N	250.00	+0.13 / -0.00	250.00	226.00	16.00	250.00	+0.13 / -0.00	226.00	+0.00 / -0.11	17.00	+0.20 / -0.00	O/R
P250230140PB/N	250.00	+0.13 / -0.00	250.00	230.00	14.00	250.00	+0.13 / -0.00	230.00	+0.00 / -0.11	15.00	+0.20 / -0.00	O/R
P260240140PB/N	260.00	+0.13 / -0.00	260.00	240.00	14.00	260.00	+0.13 / -0.00	240.00	+0.00 / -0.11	15.00	+0.20 / -0.00	O/R
P280250150PB/N	280.00	+0.13 / -0.00	280.00	250.00	15.00	280.00	+0.13 / -0.00	250.00	+0.00 / -0.11	16.00	+0.20 / -0.00	O/R
P280250220PB/N	280.00	+0.13 / -0.00	280.00	250.00	22.00	280.00	+0.13 / -0.00	250.00	+0.00 / -0.11	23.00	+0.20 / -0.00	O/R
P280260140PB/N	280.00	+0.13 / -0.00	280.00	260.00	14.00	280.00	+0.13 / -0.00	260.00	+0.00 / -0.13	15.00	+0.20 / -0.00	O/R
P300270225PB/N	300.00	+0.15 / -0.00	300.00	270.00	22.50	300.00	+0.15 / -0.00	270.00	+0.00 / -0.13	23.50	+0.20 / -0.00	O/R
P300280150PB/N	300.00	+0.15 / -0.00	300.00	280.00	15.00	300.00	+0.15 / -0.00	280.00	+0.00 / -0.13	16.00	+0.20 / -0.00	O/R
P315290170PB/N	315.00	+0.15 / -0.00	315.00	290.00	17.00	315.00	+0.15 / -0.00	290.00	+0.00 / -0.13	18.00	+0.20 / -0.00	O/R
P320295140PB/N	320.00	+0.15 / -0.00	320.00	295.00	14.00	320.00	+0.15 / -0.00	295.00	+0.00 / -0.13	15.00	+0.20 / -0.00	O/R
P320295170PB/N	320.00	+0.15 / -0.00	320.00	295.00	17.00	320.00	+0.15 / -0.00	295.00	+0.00 / -0.13	18.00	+0.20 / -0.00	O/R
P350320210PB/N	350.00	+0.15 / -0.00	350.00	320.00	21.00	350.00	+0.15 / -0.00	320.00	+0.00 / -0.14	22.00	+0.20 / -0.00	O/R
P420395190PB/N	420.00	+0.15 / -0.00	420.00	395.00	19.00	420.00	+0.15 / -0.00	395.00	+0.00 / -0.14	20.00	+0.20 / -0.00	O/R

PH - Piston Seals

Nitrile/Nylon





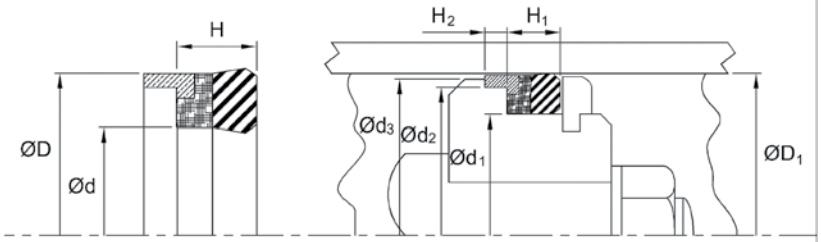
Temperature: -20/220F [-29/104C] **Pressure: 3000 PSI [205 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P045027121PH	45.00	+0.08 / -0.00	45.00	27.00	12.10	45.00	+0.08 / -0.00	27.00	+0.00 / -0.08	12.50	+0.30 / -0.00	33.40
P050032121PH	50.00	+0.08 / -0.00	50.00	32.00	12.10	50.00	+0.08 / -0.00	32.00	+0.00 / -0.10	12.50	+0.30 / -0.00	35.25
P055037121PH	55.00	+0.08 / -0.00	55.00	37.00	12.10	55.00	+0.08 / -0.00	37.00	+0.00 / -0.10	12.50	+0.30 / -0.00	37.15
P060042121PH	60.00	+0.08 / -0.00	60.00	42.00	12.10	60.00	+0.08 / -0.00	43.00	+0.00 / -0.10	12.50	+0.30 / -0.00	38.80
P065047121PH	65.00	+0.08 / -0.00	65.00	47.00	12.10	65.00	+0.08 / -0.00	47.00	+0.00 / -0.10	12.50	+0.30 / -0.00	40.30
P070048145PH	70.00	+0.08 / -0.00	70.00	48.00	14.50	70.00	+0.08 / -0.00	48.00	+0.00 / -0.10	15.50	+0.30 / -0.00	41.90
P080058145PH	80.00	+0.10 / -0.00	80.00	58.00	14.50	80.00	+0.10 / -0.00	58.00	+0.00 / -0.12	15.50	+0.30 / -0.00	43.45
P085063145PH	85.00	+0.10 / -0.00	85.00	63.00	14.50	85.00	+0.10 / -0.00	63.00	+0.00 / -0.12	15.50	+0.30 / -0.00	O/R
P090068145PH	90.00	+0.10 / -0.00	90.00	68.00	14.50	90.00	+0.10 / -0.00	68.00	+0.00 / -0.12	15.50	+0.30 / -0.00	47.00
P100078145PH	100.00	+0.10 / -0.00	100.00	78.00	14.50	100.00	+0.10 / -0.00	78.00	+0.00 / -0.12	15.50	+0.30 / -0.00	50.40
P110088145PH	110.00	+0.10 / -0.00	110.00	88.00	14.50	110.00	+0.10 / -0.00	88.00	+0.00 / -0.14	15.50	+0.30 / -0.00	53.60
P115093145PH	115.00	+0.10 / -0.00	115.00	93.00	14.50	115.00	+0.10 / -0.00	93.00	+0.00 / -0.14	15.50	+0.30 / -0.00	56.75
P120098145PH	120.00	+0.10 / -0.00	120.00	98.00	14.50	120.00	+0.10 / -0.00	98.00	+0.00 / -0.14	15.50	+0.30 / -0.00	58.75
P125103145PH	125.00	+0.10 / -0.00	125.00	103.00	14.50	125.00	+0.10 / -0.00	103.00	+0.00 / -0.14	15.50	+0.30 / -0.00	63.00
P130108145PH	130.00	+0.10 / -0.00	130.00	108.00	14.50	130.00	+0.10 / -0.00	108.00	+0.00 / -0.14	15.50	+0.30 / -0.00	65.30
P135113145PH	135.00	+0.10 / -0.00	135.00	113.00	14.50	135.00	+0.10 / -0.00	113.00	+0.00 / -0.14	15.50	+0.30 / -0.00	69.35
P140118145PH	140.00	+0.10 / -0.00	140.00	118.00	14.50	140.00	+0.10 / -0.00	118.00	+0.00 / -0.14	15.50	+0.30 / -0.00	73.75
P145123145PH	145.00	+0.10 / -0.00	145.00	123.00	14.50	145.00	+0.10 / -0.00	123.00	+0.00 / -0.14	15.50	+0.30 / -0.00	78.90
P150128145PH	150.00	+0.10 / -0.00	150.00	128.00	14.50	150.00	+0.10 / -0.00	128.00	+0.00 / -0.16	15.50	+0.30 / -0.00	82.65
P160138145PH	160.00	+0.10 / -0.00	160.00	138.00	14.50	160.00	+0.10 / -0.00	138.00	+0.00 / -0.16	15.50	+0.30 / -0.00	87.75
P170148145PH	170.00	+0.10 / -0.00	170.00	148.00	14.50	170.00	+0.10 / -0.00	148.00	+0.00 / -0.16	15.50	+0.30 / -0.00	132.90
P180158145PH	180.00	+0.13 / -0.00	180.00	158.00	14.50	180.00	+0.13 / -0.00	158.00	+0.00 / -0.16	15.50	+0.30 / -0.00	148.40
P190168145PH	190.00	+0.13 / -0.00	190.00	168.00	14.50	190.00	+0.13 / -0.00	168.00	+0.00 / -0.16	15.50	+0.30 / -0.00	163.55
P200178145PH	200.00	+0.13 / -0.00	200.00	178.00	14.50	200.00	+0.13 / -0.00	178.00	+0.00 / -0.16	15.50	+0.30 / -0.00	170.15
P225203145PH	225.00	+0.13 / -0.00	225.00	203.00	14.50	225.00	+0.13 / -0.00	203.00	+0.00 / -0.18	15.50	+0.30 / -0.00	O/R
P230208145PH	230.00	+0.13 / -0.00	230.00	208.00	14.50	230.00	+0.13 / -0.00	208.00	+0.00 / -0.18	15.50	+0.30 / -0.00	O/R
P250225163PH	250.00	+0.13 / -0.00	250.00	225.00	16.30	250.00	+0.13 / -0.00	225.00	+0.00 / -0.18	17.50	+0.30 / -0.00	O/R

PR - Piston Seals

Nitrile/Neofab/Polyamide





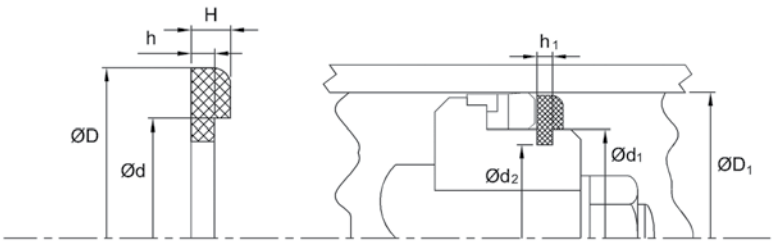
Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [415 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions										$
		Tol.	D	d	H	d1	Tol.	d2	Tol.	d3	Tol.	H1	Tol.	H2	Tol.	
P025012095PR	25.00	+0.08 / -0.00	25.00	12.00	9.50	12.00	+0.00 / -0.11	21.50	+0.05 / -0.05	24.10	+0.10 / -0.10	10.00	+0.10 / -0.10	6.40	+0.10 / -0.00	15.60
P040028090PR	40.00	+0.08 / -0.00	40.00	28.00	9.00	28.00	+0.00 / -0.13	35.40	+0.05 / -0.05	39.00	+0.10 / -0.10	9.50	+0.10 / -0.10	6.40	+0.10 / -0.00	16.90
P050030140PR	50.00	+0.08 / -0.00	50.00	30.00	14.00	30.00	+0.00 / -0.13	44.30	+0.05 / -0.05	48.30	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	18.65
P045035085PR	45.00	+0.08 / -0.00	45.00	35.00	8.50	35.00	+0.00 / -0.16	42.00	+0.05 / -0.05	43.99	+0.10 / -0.10	9.00	+0.10 / -0.10	6.40	+0.10 / -0.00	17.40
P050038094PR	50.00	+0.08 / -0.00	50.00	38.00	9.40	38.00	+0.00 / -0.16	46.54	+0.05 / -0.05	49.00	+0.10 / -0.10	9.90	+0.10 / -0.10	6.40	+0.10 / -0.00	18.65
P055040105PR	55.00	+0.08 / -0.00	55.00	40.00	10.50	40.00	+0.00 / -0.16	50.40	+0.05 / -0.05	53.65	+0.10 / -0.10	11.00	+0.10 / -0.10	6.40	+0.10 / -0.00	20.95
P060040140PR	60.00	+0.08 / -0.00	60.00	40.00	14.00	40.00	+0.00 / -0.16	54.20	+0.05 / -0.05	58.06	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	22.20
P058043105PR	58.00	+0.08 / -0.00	58.00	43.00	10.50	43.00	+0.00 / -0.16	52.20	+0.05 / -0.05	56.65	+0.10 / -0.10	11.00	+0.10 / -0.10	6.40	+0.10 / -0.00	23.35
P060045105PR	60.00	+0.08 / -0.00	60.00	45.00	10.50	45.00	+0.00 / -0.16	54.40	+0.05 / -0.05	58.65	+0.10 / -0.10	11.00	+0.10 / -0.10	6.40	+0.10 / -0.00	25.40
P065045140PR	65.00	+0.08 / -0.00	65.00	45.00	14.00	45.00	+0.00 / -0.16	59.20	+0.05 / -0.05	63.07	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	26.95
P065050100PR	65.00	+0.08 / -0.00	65.00	50.00	10.00	50.00	+0.00 / -0.16	60.40	+0.05 / -0.05	63.22	+0.10 / -0.10	10.50	+0.10 / -0.10	6.40	+0.10 / -0.00	31.35
P065050105PR	65.00	+0.08 / -0.00	65.00	50.00	10.50	50.00	+0.00 / -0.16	60.40	+0.05 / -0.05	63.22	+0.10 / -0.10	11.00	+0.10 / -0.10	6.40	+0.10 / -0.00	33.45
P070050140PR	70.00	+0.08 / -0.00	70.00	50.00	14.00	50.00	+0.00 / -0.16	64.20	+0.05 / -0.05	68.05	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	30.10
P080060140PR	80.00	+0.08 / -0.00	80.00	60.00	14.00	60.00	+0.00 / -0.19	74.20	+0.05 / -0.05	78.34	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	31.25
P080065110PR	80.00	+0.08 / -0.00	80.00	65.00	11.00	65.00	+0.00 / -0.19	75.40	+0.05 / -0.05	78.45	+0.10 / -0.10	11.50	+0.10 / -0.10	6.40	+0.10 / -0.00	31.25
P085070120PR	85.00	+0.08 / -0.00	85.00	70.00	12.00	70.00	+0.00 / -0.19	80.30	+0.05 / -0.05	83.44	+0.10 / -0.10	12.50	+0.10 / -0.10	6.40	+0.10 / -0.00	34.95
P090070140PR	90.00	+0.08 / -0.00	90.00	70.00	14.00	70.00	+0.00 / -0.19	84.20	+0.05 / -0.05	88.30	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	36.00
P095075140PR	95.00	+0.08 / -0.00	95.00	75.00	14.00	75.00	+0.00 / -0.19	89.20	+0.05 / -0.05	93.30	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	39.45
P100080140PR	100.00	+0.08 / -0.00	100.00	80.00	14.00	80.00	+0.00 / -0.19	94.20	+0.05 / -0.05	98.30	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	41.60
P104085140PR	104.50	+0.08 / -0.00	104.50	85.00	14.00	85.00	+0.00 / -0.22	98.70	+0.05 / -0.05	102.47	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	44.85
P105085140PR	105.00	+0.08 / -0.00	105.00	85.00	14.00	85.00	+0.00 / -0.22	99.10	+0.05 / -0.05	102.97	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	44.85
P110090125PR	110.00	+0.08 / -0.00	110.00	90.00	12.50	90.00	+0.00 / -0.22	104.20	+0.05 / -0.05	108.33	+0.10 / -0.10	13.00	+0.10 / -0.10	6.40	+0.10 / -0.00	45.90
P115095140PR	115.00	+0.08 / -0.00	115.00	95.00	14.00	95.00	+0.00 / -0.22	109.10	+0.05 / -0.05	112.85	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	47.70
P120100125PR	120.00	+0.08 / -0.00	120.00	100.00	12.50	100.00	+0.00 / -0.22	114.20	+0.05 / -0.05	118.33	+0.10 / -0.10	13.00	+0.10 / -0.10	6.40	+0.10 / -0.00	51.45
P125100140PR	125.00	+0.08 / -0.00	125.00	100.00	14.00	100.00	+0.00 / -0.22	118.10	+0.05 / -0.05	122.96	+0.10 / -0.10	14.50	+0.10 / -0.10	6.40	+0.10 / -0.00	54.70
P125105120PR	125.00	+0.08 / -0.00	125.00	105.00	12.00	105.00	+0.00 / -0.22	119.10	+0.05 / -0.05	123.31	+0.10 / -0.10	12.50	+0.10 / -0.10	6.40	+0.10 / -0.00	54.70
P130110120PR	130.00	+0.08 / -0.00	130.00	110.00	12.00	110.00	+0.00 / -0.22	122.60	+0.05 / -0.05	127.96	+0.10 / -0.10	12.50	+0.10 / -0.10	6.40	+0.10 / -0.00	57.65
P140120120PR	140.00	+0.08 / -0.00	140.00	120.00	12.00	120.00	+0.00 / -0.26	134.10	+0.05 / -0.05	137.99	+0.10 / -0.10	12.50	+0.10 / -0.10	6.40	+0.10 / -0.00	62.10

KR - Retainer Rings

Polyacetal





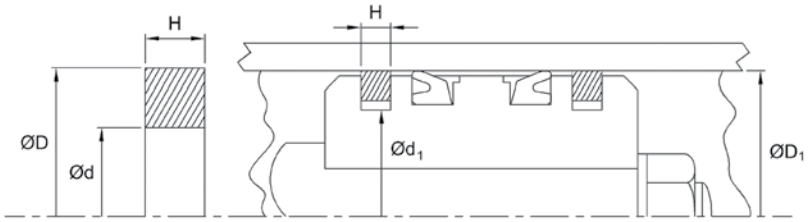
Temperature: -22/212F [-30/100C] **Pressure: N/A**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1	d2	Tol.	h1	Tol.	
KR034022	34.00	+0.08 / -0.00	34.00	22.00	2.50	6.00	22.00	17.60	+0.00 / -0.25	2.60	+0.05 / -0.00	8.30
KR040026	40.00	+0.08 / -0.00	40.00	26.00	3.10	6.00	26.00	21.60	+0.00 / -0.25	3.20	+0.05 / -0.00	8.30
KR045035	45.00	+0.08 / -0.00	45.00	35.00	3.10	5.00	35.00	30.60	+0.00 / -0.25	3.20	+0.05 / -0.00	8.30
KR050030	50.00	+0.08 / -0.00	50.00	30.00	3.30	6.50	30.00	25.60	+0.00 / -0.25	3.40	+0.05 / -0.00	8.65
KR050040	50.00	+0.08 / -0.00	50.00	40.00	2.60	5.00	40.00	35.60	+0.00 / -0.25	2.70	+0.05 / -0.00	8.95
KR055040	55.00	+0.08 / -0.00	55.00	40.00	3.10	6.00	40.00	35.60	+0.00 / -0.25	3.20	+0.05 / -0.00	8.95
KR060040	60.00	+0.08 / -0.00	60.00	40.00	3.10	6.00	40.00	35.60	+0.00 / -0.25	3.40	+0.05 / -0.00	10.45
KR063045	63.00	+0.08 / -0.00	63.00	45.00	3.10	6.00	45.00	40.60	+0.00 / -0.25	3.40	+0.05 / -0.00	10.75
KR065045	65.00	+0.08 / -0.00	65.00	45.00	3.30	6.50	45.00	40.60	+0.00 / -0.25	3.40	+0.05 / -0.00	10.75
KR065050	65.00	+0.08 / -0.00	65.00	50.00	3.10	6.00	50.00	45.60	+0.00 / -0.25	3.20	+0.05 / -0.00	11.35
KR070050	70.00	+0.08 / -0.00	70.00	50.00	3.30	6.50	50.00	45.60	+0.00 / -0.25	3.40	+0.05 / -0.00	12.30
KR080060	80.00	+0.10 / -0.00	80.00	60.00	3.30	6.50	60.00	55.60	+0.00 / -0.25	3.40	+0.05 / -0.00	12.30
KR080065	80.00	+0.10 / -0.00	80.00	65.00	3.30	6.50	65.00	60.60	+0.00 / -0.25	3.40	+0.05 / -0.00	12.30
KR085070	85.00	+0.10 / -0.00	85.00	70.00	3.10	6.00	70.00	65.60	+0.00 / -0.25	3.20	+0.05 / -0.00	12.30
KR090070	90.00	+0.10 / -0.00	90.00	70.00	3.30	6.50	70.00	65.60	+0.00 / -0.25	3.40	+0.05 / -0.00	12.30
KR095075	95.00	+0.10 / -0.00	95.00	75.00	3.30	6.50	75.00	70.60	+0.00 / -0.25	3.40	+0.05 / -0.00	18.10
KR100080	100.00	+0.10 / -0.00	100.00	80.00	3.30	6.50	80.00	75.60	+0.00 / -0.25	3.40	+0.05 / -0.00	18.10
KR104085	104.50	+0.10 / -0.00	104.50	85.00	3.10	6.00	85.00	80.60	+0.00 / -0.25	3.20	+0.05 / -0.00	20.55
KR104085-1	104.50	+0.10 / -0.00	104.50	85.00	3.30	6.50	85.00	80.60	+0.00 / -0.25	3.40	+0.05 / -0.00	20.55
KR105085	105.00	+0.10 / -0.00	105.00	85.00	3.30	6.50	85.00	80.60	+0.00 / -0.25	3.40	+0.05 / -0.00	20.55
KR110090	110.00	+0.10 / -0.00	110.00	90.00	3.30	6.50	90.00	85.60	+0.00 / -0.25	3.40	+0.05 / -0.00	20.55
KR115095	115.00	+0.10 / -0.00	115.00	95.00	3.30	6.50	95.00	90.60	+0.00 / -0.25	3.40	+0.05 / -0.00	20.55
KR120100	120.00	+0.10 / -0.00	120.00	100.00	3.30	6.50	100.00	85.60	+0.00 / -0.25	3.40	+0.05 / -0.00	20.55
KR125105	125.00	+0.10 / -0.00	125.00	105.00	3.30	6.50	105.00	100.60	+0.00 / -0.25	3.40	+0.05 / -0.00	26.35
KR130110	130.00	+0.10 / -0.00	130.00	110.00	3.30	6.50	110.00	105.60	+0.00 / -0.25	3.40	+0.05 / -0.00	26.35

PZ/B - Piston Seals

Bronze



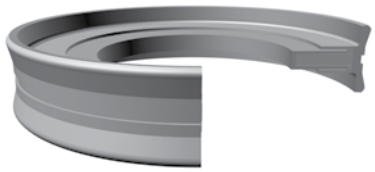


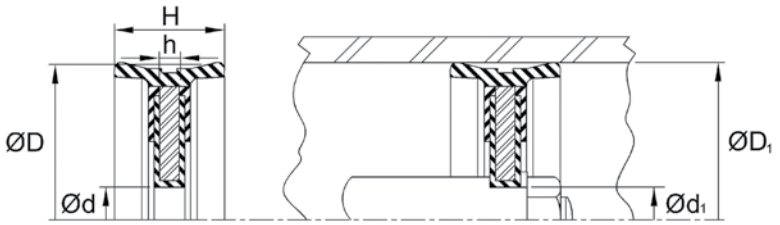
Temperature: **Pressure:**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P125113060PZ/B	125.00	+0.10 / -0.00	125.00	113.00	6.00	125.00	+0.10 / -0.00	112.00	+0.00 / -0.50	6.00	+0.50 / -0.00	43.95
P130118060PZ/B	130.00	+0.10 / -0.00	130.00	118.00	6.00	130.00	+0.10 / -0.00	117.00	+0.00 / -0.50	6.00	+0.50 / -0.00	49.80
P140128060PZ/B	140.00	+0.10 / -0.00	140.00	128.00	6.00	140.00	+0.10 / -0.00	127.00	+0.00 / -0.50	6.00	+0.50 / -0.00	54.25
P150138060PZ/B	150.00	+0.10 / -0.00	150.00	138.00	6.00	150.00	+0.10 / -0.00	137.00	+0.00 / -0.50	6.00	+0.50 / -0.00	67.25
P160148060PZ/B	160.00	+0.10 / -0.00	160.00	148.00	6.00	160.00	+0.10 / -0.00	147.00	+0.00 / -0.50	6.00	+0.50 / -0.00	78.10
P170158060PZ/B	170.00	+0.10 / -0.00	170.00	158.00	6.00	170.00	+0.10 / -0.00	157.00	+0.00 / -0.50	6.00	+0.50 / -0.00	84.80
P180168060PZ/B	180.00	+0.13 / -0.00	180.00	168.00	6.00	180.00	+0.13 / -0.00	167.00	+0.00 / -0.50	6.00	+0.50 / -0.00	88.40
P190178060PZ/B	190.00	+0.13 / -0.00	190.00	178.00	6.00	190.00	+0.13 / -0.00	177.00	+0.00 / -0.50	6.00	+0.50 / -0.00	90.55

P1B - Piston Seals

Nitrile/Steel





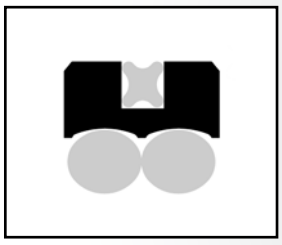
Temperature: -40/250F [-40/121C] **Pressure: 235 PSI [16 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	h	H	D1	Tol.	d1	Tol.	
P016004120P1B	16.00	+0.08 / -0.00	16.00	4.00	3.00	12.00	16.00	+0.08 / -0.00	4.00	+0.05 / -0.00	O/R
P016005120P1B	16.00	+0.08 / -0.00	16.00	5.00	3.00	12.00	16.00	+0.08 / -0.00	5.00	+0.05 / -0.00	7.55
P020005120P1B	20.00	+0.08 / -0.00	20.00	5.00	3.00	12.00	20.00	+0.08 / -0.00	5.00	+0.05 / -0.00	O/R
P020006120P1B	20.00	+0.08 / -0.00	20.00	6.00	3.00	12.00	20.00	+0.08 / -0.00	6.00	+0.05 / -0.00	7.85
P025006120P1B	25.00	+0.08 / -0.00	25.00	6.00	3.00	12.00	25.00	+0.08 / -0.00	6.00	+0.05 / -0.00	8.40
P025008120P1B	25.00	+0.08 / -0.00	25.00	8.00	3.00	12.00	25.00	+0.08 / -0.00	8.00	+0.06 / -0.00	9.35
P032005180P1B	32.00	+0.08 / -0.00	32.00	5.00	3.00	18.00	32.00	+0.08 / -0.00	5.00	+0.05 / -0.00	15.20
P032006150P1B	32.00	+0.08 / -0.00	32.00	6.00	3.00	15.00	32.00	+0.08 / -0.00	6.00	+0.05 / -0.00	15.20
P032008150P1B	32.00	+0.08 / -0.00	32.00	8.00	3.00	15.00	32.00	+0.08 / -0.00	8.00	+0.06 / -0.00	10.40
P035008150P1B	35.00	+0.08 / -0.00	35.00	8.00	3.00	15.00	35.00	+0.08 / -0.00	8.00	+0.06 / -0.00	14.55

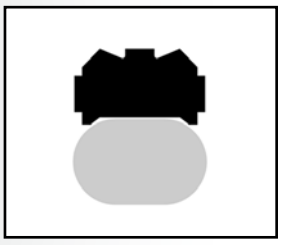
P1B SERIES - NBR/STEEL

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	h	H	D1	Tol.	d1	Tol.	
P040008180P1B	40.00	+0.08 / -0.00	40.00	8.00	4.00	18.00	40.00	+0.08 / -0.00	8.00	+0.06 / -0.00	64.75
P040008200P1B	40.00	+0.08 / -0.00	40.00	8.00	4.00	20.00	40.00	+0.08 / -0.00	8.00	+0.06 / -0.00	15.85
P040010180P1B	40.00	+0.08 / -0.00	40.00	10.00	4.00	18.00	40.00	+0.08 / -0.00	10.00	+0.06 / -0.00	13.80
P050008200P1B	50.00	+0.08 / -0.00	50.00	8.00	4.00	20.00	50.00	+0.08 / -0.00	8.00	+0.06 / -0.00	17.25
P050010180P1B	50.00	+0.08 / -0.00	50.00	10.00	4.00	18.00	50.00	+0.08 / -0.00	10.00	+0.06 / -0.00	17.25
P050016205P1B	50.00	+0.08 / -0.00	50.00	16.00	4.00	20.50	50.00	+0.08 / -0.00	16.00	+0.07 / -0.00	17.75
P060012210P1B	60.00	+0.08 / -0.00	60.00	12.00	4.00	21.00	60.00	+0.08 / -0.00	12.00	+0.07 / -0.00	28.45
P060018210P1B	60.00	+0.08 / -0.00	60.00	18.00	4.00	21.00	60.00	+0.08 / -0.00	18.00	+0.07 / -0.00	26.85
P060022210P1B	60.00	+0.08 / -0.00	60.00	22.00	4.00	21.00	60.00	+0.08 / -0.00	22.00	+0.08 / -0.00	20.15
P063012220P1B	63.00	+0.08 / -0.00	63.00	12.00	5.00	22.00	63.00	+0.08 / -0.00	12.00	+0.07 / -0.00	28.45
P063016215P1B	63.00	+0.08 / -0.00	63.00	16.00	4.00	21.50	63.00	+0.08 / -0.00	16.00	+0.07 / -0.00	24.65
P070012220P1B	70.00	+0.08 / -0.00	70.00	12.00	5.00	22.00	70.00	+0.08 / -0.00	12.00	+0.07 / -0.00	36.85
P070033220P1B	70.00	+0.08 / -0.00	70.00	33.00	5.00	22.00	70.00	+0.08 / -0.00	33.00	+0.10 / -0.00	34.10
P080012225P1B	80.00	+0.10 / -0.00	80.00	12.00	5.00	22.50	80.00	+0.10 / -0.00	12.00	+0.07 / -0.00	36.80
P080016225P1B	80.00	+0.10 / -0.00	80.00	16.00	5.00	22.50	80.00	+0.10 / -0.00	16.00	+0.07 / -0.00	33.80
P080016250P1B	80.00	+0.10 / -0.00	80.00	16.00	6.00	25.00	80.00	+0.10 / -0.00	16.00	+0.07 / -0.00	O/R
P080020225P1B	80.00	+0.10 / -0.00	80.00	20.00	5.00	22.50	80.00	+0.10 / -0.00	20.00	+0.08 / -0.00	33.45
P100012250P1B	100.00	+0.10 / -0.00	100.00	12.00	6.00	25.00	100.00	+0.10 / -0.00	12.00	+0.07 / -0.00	O/R
P100016250P1B	100.00	+0.10 / -0.00	100.00	16.00	6.00	25.00	100.00	+0.10 / -0.00	16.00	+0.07 / -0.00	52.80
P100020260P1B	100.00	+0.10 / -0.00	100.00	20.00	6.00	26.00	100.00	+0.10 / -0.00	20.00	+0.08 / -0.00	52.85
P125020260P1B	125.00	+0.10 / -0.00	125.00	20.00	5.00	26.00	125.00	+0.10 / -0.00	20.00	+0.08 / -0.00	81.10
P125020280P1B	125.00	+0.10 / -0.00	125.00	20.00	7.00	28.00	125.00	+0.10 / -0.00	20.00	+0.08 / -0.00	O/R
P125020300P1B	125.00	+0.10 / -0.00	125.00	20.00	7.00	30.00	125.00	+0.10 / -0.00	20.00	+0.08 / -0.00	O/R
P130020290P1B	130.00	+0.10 / -0.00	130.00	20.00	8.00	29.00	130.00	+0.10 / -0.00	20.00	+0.08 / -0.00	174.70
P140020300P1B	140.00	+0.10 / -0.00	140.00	22.00	6.00	29.00	140.00	+0.10 / -0.00	22.00	+0.08 / -0.00	155.30
P140022290P1B	140.00	+0.10 / -0.00	140.00	22.00	6.00	29.00	140.00	+0.10 / -0.00	22.00	+0.08 / -0.00	155.30
P150020290P1B	150.00	+0.10 / -0.00	150.00	20.00	10.00	29.00	150.00	+0.10 / -0.00	20.00	+0.08 / -0.00	135.95
P160027290P1B	160.00	+0.10 / -0.00	160.00	27.00	6.00	29.00	160.00	+0.10 / -0.00	27.00	+0.08 / -0.00	145.75
P160030290P1B	160.00	+0.10 / -0.00	160.00	30.00	6.00	29.00	160.00	+0.10 / -0.00	30.00	+0.08 / -0.00	O/R
P200027350P1B	200.00	+0.13 / -0.00	200.00	27.00	10.00	35.00	200.00	+0.13 / -0.00	27.00	+0.08 / -0.00	263.35
P200030350P1B	200.00	+0.13 / -0.00	200.00	30.00	10.00	35.00	200.00	+0.13 / -0.00	30.00	+0.08 / -0.00	263.35

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



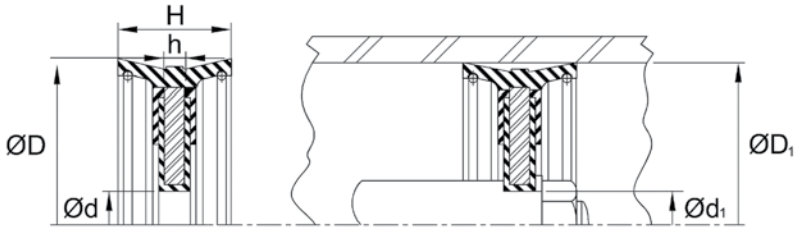




P1B-1 - Piston Seals

Nitrile/Steel/S.STEEL





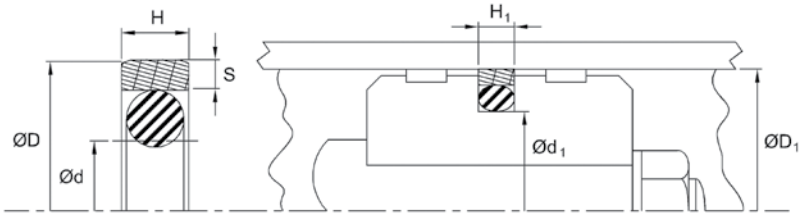
Temperature: -22/212F [-30/100C] **Pressure: 580 PSI [40 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions				$
		Tol.	D	d	h	H	D1	Tol.	d1	Tol.	
P025008220P1B-1	25.00	+0.08 / -0.00	25.00	8.00	3.00	22.00	25.00	+0.08 / -0.00	8.00	+0.06 / -0.00	O/R
P026008220P1B-1	26.00	+0.08 / -0.00	26.00	8.00	3.00	22.00	26.00	+0.08 / -0.00	8.00	+0.06 / -0.00	20.15
P035008260P1B-1	35.00	+0.08 / -0.00	35.00	8.00	3.00	26.00	35.00	+0.08 / -0.00	8.00	+0.06 / -0.00	22.80
P040010250P1B-1	40.00	+0.08 / -0.00	40.00	10.00	3.00	25.00	40.00	+0.08 / -0.00	10.00	+0.06 / -0.00	24.00
P045010250P1B-1	45.00	+0.08 / -0.00	45.00	10.00	4.00	25.00	45.00	+0.08 / -0.00	10.00	+0.06 / -0.00	25.40
P050010250P1B-1	50.00	+0.08 / -0.00	50.00	10.00	4.00	25.00	50.00	+0.08 / -0.00	10.00	+0.06 / -0.00	27.75
P050016230P1B-1	50.00	+0.08 / -0.00	50.00	16.00	5.00	23.00	50.00	+0.08 / -0.00	16.00	+0.07 / -0.00	O/R
P055010250P1B-1	55.00	+0.08 / -0.00	55.00	10.00	4.00	25.00	55.00	+0.08 / -0.00	10.00	+0.06 / -0.00	29.75
P060012260P1B-1	60.00	+0.08 / -0.00	60.00	12.00	4.00	26.00	60.00	+0.08 / -0.00	12.00	+0.07 / -0.00	31.50
P063012250P1B-1	63.00	+0.08 / -0.00	63.00	12.00	4.00	25.00	63.00	+0.08 / -0.00	12.00	+0.07 / -0.00	33.60
P065012250P1B-1	65.00	+0.08 / -0.00	65.00	12.00	4.00	25.00	65.00	+0.08 / -0.00	12.00	+0.07 / -0.00	O/R
P070012300P1B-1	70.00	+0.08 / -0.00	70.00	12.00	5.00	30.00	70.00	+0.08 / -0.00	12.00	+0.07 / -0.00	36.25
P075012300P1B-1	75.00	+0.10 / -0.00	75.00	12.00	5.00	30.00	75.00	+0.10 / -0.00	12.00	+0.07 / -0.00	O/R
P080012300P1B-1	80.00	+0.10 / -0.00	80.00	12.00	5.00	30.00	80.00	+0.10 / -0.00	12.00	+0.07 / -0.00	42.00
P085012350P1B-1	85.00	+0.10 / -0.00	85.00	12.00	6.00	35.00	85.00	+0.10 / -0.00	12.00	+0.07 / -0.00	O/R
P090012350P1B-1	90.00	+0.10 / -0.00	90.00	12.00	6.00	35.00	90.00	+0.10 / -0.00	12.00	+0.07 / -0.00	O/R
P100012350P1B-1	100.00	+0.10 / -0.00	100.00	12.00	6.00	35.00	100.00	+0.10 / -0.00	12.00	+0.07 / -0.00	59.20
P110012400P1B-1	110.00	+0.10 / -0.00	110.00	12.00	6.00	40.00	110.00	+0.10 / -0.00	12.00	+0.07 / -0.00	70.90
P120020400P1B-1	120.00	+0.10 / -0.00	120.00	20.00	8.00	40.00	120.00	+0.10 / -0.00	20.00	+0.08 / -0.00	O/R
P125020400P1B-1	125.00	+0.10 / -0.00	125.00	20.00	8.00	40.00	125.00	+0.10 / -0.00	20.00	+0.08 / -0.00	95.35
P130020400P1B-1	130.00	+0.10 / -0.00	130.00	20.00	8.00	40.00	130.00	+0.10 / -0.00	20.00	+0.08 / -0.00	O/R
P140020400P1B-1	140.00	+0.10 / -0.00	140.00	20.00	8.00	40.00	140.00	+0.10 / -0.00	20.00	+0.08 / -0.00	131.55
P145020450P1B-1	145.00	+0.10 / -0.00	145.00	20.00	10.00	45.00	145.00	+0.10 / -0.00	20.00	+0.08 / -0.00	O/R
P150020400P1B-1	150.00	+0.10 / -0.00	150.00	20.00	10.00	40.00	150.00	+0.10 / -0.00	20.00	+0.08 / -0.00	151.90
P160020400P1B-1	160.00	+0.10 / -0.00	160.00	20.00	10.00	40.00	160.00	+0.10 / -0.00	20.00	+0.08 / -0.00	172.10
P175020400P1B-1	175.00	+0.10 / -0.00	175.00	20.00	10.00	40.00	175.00	+0.10 / -0.00	20.00	+0.08 / -0.00	O/R
P180020400P1B-1	180.00	+0.13 / -0.00	180.00	20.00	10.00	40.00	180.00	+0.13 / -0.00	20.00	+0.08 / -0.00	221.35
P200020400P1B-1	200.00	+0.13 / -0.00	200.00	20.00	10.00	40.00	200.00	+0.13 / -0.00	20.00	+0.08 / -0.00	270.55
P230030400P1B-1	230.00	+0.13 / -0.00	230.00	30.00	12.00	40.00	230.00	+0.13 / -0.00	30.00	+0.08 / -0.00	O/R
P250030400P1B-1	250.00	+0.13 / -0.00	250.00	30.00	12.00	40.00	250.00	+0.13 / -0.00	30.00	+0.08 / -0.00	423.10
P300060400P1B-1	300.00	+0.13 / -0.00	300.00	60.00	12.00	40.00	300.00	+0.13 / -0.00	60.00	+0.08 / -0.00	607.00

P2B - Piston Seals

60% BR. PTFE/Nitrile





Temperature: -22/212F [-30/100C] **Pressure: 5000 PSI [345 Bar]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	D	S	H	EXP.	D1	Tol.	d1	Tol.	H1	Tol.	
P008003022P2B	8.00	+0.08 / -0.00	8.00	1.05	2.00	-006	8.00	+0.08 / -0.00	3.10	+0.00 / -0.02	2.20	+0.20 / -0.00	8.80
P010005022P2B	10.00	+0.08 / -0.00	10.00	1.05	2.00	-009	10.00	+0.08 / -0.00	5.10	+0.00 / -0.02	2.20	+0.20 / -0.00	8.80
P012007022P2B	12.00	+0.08 / -0.00	12.00	1.05	2.00	-011	12.00	+0.08 / -0.00	7.10	+0.00 / -0.03	2.20	+0.20 / -0.00	8.80
P015007032P2B	15.00	+0.08 / -0.00	15.00	1.65	2.95	-109	15.00	+0.08 / -0.00	7.50	+0.00 / -0.03	3.20	+0.20 / -0.00	8.80
P016008032P2B	16.00	+0.08 / -0.00	16.00	1.65	2.95	-109	16.00	+0.08 / -0.00	8.50	+0.00 / -0.03	3.20	+0.20 / -0.00	9.10
P016011022P2B	16.00	+0.08 / -0.00	16.00	1.05	2.00	-013	16.00	+0.08 / -0.00	11.10	+0.00 / -0.04	2.20	+0.20 / -0.00	9.25
P018010032P2B	18.00	+0.08 / -0.00	18.00	1.65	2.95	-111	18.00	+0.08 / -0.00	10.50	+0.00 / -0.04	3.20	+0.20 / -0.00	9.50
P018013022P2B	18.00	+0.08 / -0.00	18.00	1.05	2.00	-014	18.00	+0.08 / -0.00	13.10	+0.00 / -0.04	2.20	+0.20 / -0.00	9.85
P020012032P2B	20.00	+0.08 / -0.00	20.00	1.65	2.95	-112	20.00	+0.08 / -0.00	12.50	+0.00 / -0.04	3.20	+0.20 / -0.00	10.35
P020015022P2B	20.00	+0.08 / -0.00	20.00	1.05	2.00	-015	20.00	+0.08 / -0.00	15.10	+0.00 / -0.04	2.20	+0.20 / -0.00	10.85
P022014032P2B	22.00	+0.08 / -0.00	22.00	1.65	2.95	-113	22.00	+0.08 / -0.00	14.50	+0.00 / -0.04	3.20	+0.20 / -0.00	11.05
P022017022P2B	22.00	+0.08 / -0.00	22.00	1.05	2.00	-017	22.00	+0.08 / -0.00	17.10	+0.00 / -0.04	2.20	+0.20 / -0.00	11.25
P024016032P2B	24.00	+0.08 / -0.00	24.00	1.65	2.95	-114	24.00	+0.08 / -0.00	16.50	+0.00 / -0.04	3.20	+0.20 / -0.00	11.45
P025014042P2B	25.00	+0.08 / -0.00	25.00	2.65	3.95	-207	25.00	+0.08 / -0.00	14.00	+0.00 / -0.04	4.20	+0.20 / -0.00	11.85
P025017032P2B	25.00	+0.08 / -0.00	25.00	1.65	2.95	-115	25.00	+0.08 / -0.00	17.50	+0.00 / -0.04	3.20	+0.20 / -0.00	12.35
P028020032P2B	28.00	+0.08 / -0.00	28.00	1.65	2.95	-117	28.00	+0.08 / -0.00	20.50	+0.00 / -0.05	3.20	+0.20 / -0.00	12.95
P030022032P2B	30.00	+0.08 / -0.00	30.00	1.65	2.95	-118	30.00	+0.08 / -0.00	22.50	+0.00 / -0.05	3.20	+0.20 / -0.00	15.00
P032024032P2B	32.00	+0.08 / -0.00	32.00	1.65	2.95	-119	32.00	+0.08 / -0.00	24.50	+0.00 / -0.05	3.20	+0.20 / -0.00	15.45
P035027032P2B	35.00	+0.08 / -0.00	35.00	1.65	2.95	-121	35.00	+0.08 / -0.00	27.50	+0.00 / -0.05	3.20	+0.20 / -0.00	16.60
P036025042P2B	36.00	+0.08 / -0.00	36.00	2.65	3.95	-214	36.00	+0.08 / -0.00	25.00	+0.00 / -0.05	4.20	+0.20 / -0.00	16.90
P036028032P2B	36.00	+0.08 / -0.00	36.00	1.65	2.95	-122	36.00	+0.08 / -0.00	28.50	+0.00 / -0.05	3.20	+0.20 / -0.00	17.00
P038030032P2B	38.00	+0.08 / -0.00	38.00	1.65	2.95	-123	38.00	+0.08 / -0.00	30.50	+0.00 / -0.05	3.20	+0.20 / -0.00	17.20
P039031032P2B	39.00	+0.08 / -0.00	39.00	1.65	2.95	-124	39.00	+0.08 / -0.00	31.50	+0.00 / -0.05	3.20	+0.20 / -0.00	17.60
P040029042P2B	40.00	+0.08 / -0.00	40.00	2.65	3.95	-216	40.00	+0.08 / -0.00	29.00	+0.00 / -0.05	4.20	+0.20 / -0.00	18.15
P040032032P2B	40.00	+0.08 / -0.00	40.00	1.65	2.95	-124	40.00	+0.08 / -0.00	32.50	+0.00 / -0.06	3.20	+0.20 / -0.00	18.60
P042031042P2B	42.00	+0.08 / -0.00	42.00	2.65	3.95	-217	42.00	+0.08 / -0.00	31.00	+0.00 / -0.06	4.20	+0.20 / -0.00	19.45
P045034042P2B	45.00	+0.08 / -0.00	45.00	2.65	3.95	-219	45.00	+0.08 / -0.00	34.00	+0.00 / -0.06	4.20	+0.20 / -0.00	19.70
P048037042P2B	48.00	+0.08 / -0.00	48.00	2.65	3.95	-221	48.00	+0.08 / -0.00	37.00	+0.00 / -0.06	4.20	+0.20 / -0.00	23.20
P050034063P2B	50.00	+0.08 / -0.00	50.00	3.50	6.05	-324	50.00	+0.08 / -0.00	34.50	+0.00 / -0.06	6.30	+0.20 / -0.00	26.55
P050039042P2B	50.00	+0.08 / -0.00	50.00	2.65	3.95	-222	50.00	+0.08 / -0.00	39.00	+0.00 / -0.06	4.20	+0.20 / -0.00	26.85
P055044042P2B	55.00	+0.08 / -0.00	55.00	2.65	3.95	-224	55.00	+0.08 / -0.00	44.00	+0.00 / -0.06	4.20	+0.20 / -0.00	27.05
P056045042P2B	56.00	+0.08 / -0.00	56.00	2.65	3.95	-327	56.00	+0.08 / -0.00	45.00	+0.00 / -0.06	4.20	+0.20 / -0.00	27.40
P060049042P2B	60.00	+0.08 / -0.00	60.00	2.65	3.95	-225	60.00	+0.08 / -0.00	49.00	+0.00 / -0.06	4.20	+0.20 / -0.00	28.10
P063052042P2B	63.00	+0.08 / -0.00	63.00	2.65	3.95	-226	63.00	+0.08 / -0.00	52.00	+0.00 / -0.07	4.20	+0.20 / -0.00	28.45
P064053042P2B	64.00	+0.08 / -0.00	64.00	2.65	3.95	-226	64.00	+0.08 / -0.00	53.00	+0.00 / -0.07	4.20	+0.20 / -0.00	28.90
P065054042P2B	65.00	+0.08 / -0.00	65.00	2.65	3.95	-330	65.00	+0.08 / -0.00	54.00	+0.00 / -0.07	4.20	+0.20 / -0.00	29.25
P070054063P2B	70.00	+0.08 / -0.00	70.00	3.50	6.05	-330	70.00	+0.08 / -0.00	54.50	+0.00 / -0.07	6.30	+0.20 / -0.00	30.05
P070059042P2B	70.00	+0.08 / -0.00	70.00	2.65	3.95	-228	70.00	+0.08 / -0.00	59.00	+0.00 / -0.07	4.20	+0.20 / -0.00	30.85

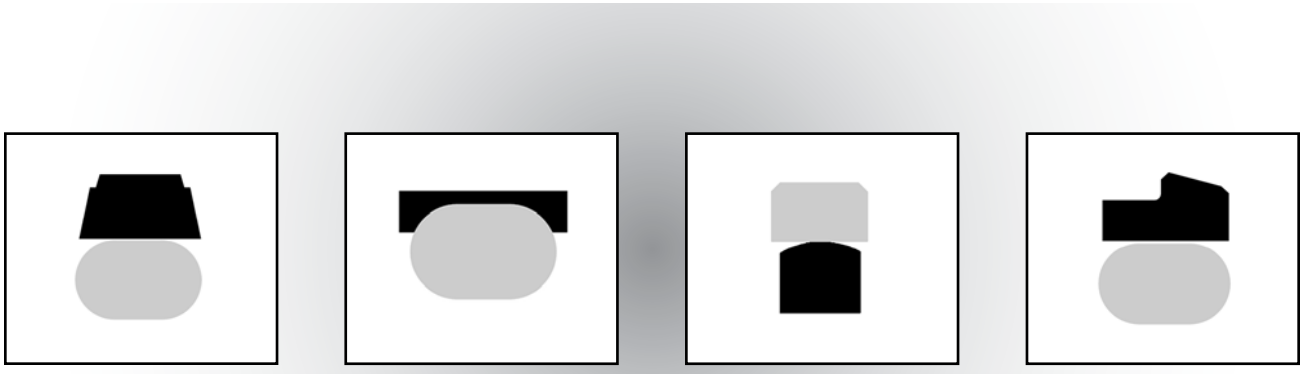
P2B SERIES - 60% BR.PTFE/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	D	S	H	EXP.	D1	Tol.	d1	Tol.	H1	Tol.	
P075064042P2B	75.00	+0.08 / -0.00	75.00	2.65	3.95	-230	75.00	+0.08 / -0.00	64.00	+0.00 / -0.07	4.20	+0.20 / -0.00	31.35
P080059081P2B	80.00	+0.10 / -0.00	80.00	4.90	7.75	58,00 X 7,00	80.00	+0.10 / -0.00	59.00	+0.00 / -0.07	8.10	+0.20 / -0.00	32.20
P080064063P2B	80.00	+0.10 / -0.00	80.00	3.50	6.05	-333	80.00	+0.10 / -0.00	64.50	+0.00 / -0.07	6.30	+0.20 / -0.00	32.80
P080069042P2B	80.00	+0.10 / -0.00	80.00	2.65	3.95	68,00 X 3,50	80.00	+0.10 / -0.00	69.00	+0.00 / -0.07	4.20	+0.20 / -0.00	33.10
P085064081P2B	85.00	+0.10 / -0.00	85.00	4.90	7.75	-409	85.00	+0.10 / -0.00	64.00	+0.00 / -0.07	8.10	+0.20 / -0.00	34.10
P085069063P2B	85.00	+0.10 / -0.00	85.00	3.50	6.05	-335	85.00	+0.10 / -0.00	69.50	+0.00 / -0.07	6.30	+0.20 / -0.00	35.10
P089073063P2B	89.00	+0.10 / -0.00	89.00	3.50	6.05	-336	89.00	+0.10 / -0.00	73.50	+0.00 / -0.07	6.30	+0.20 / -0.00	35.65
P090069081P2B	90.00	+0.10 / -0.00	90.00	4.90	7.75	68,00 X 7,00	90.00	+0.10 / -0.00	69.00	+0.00 / -0.07	8.10	+0.20 / -0.00	36.25
P090074063P2B	90.00	+0.10 / -0.00	90.00	3.50	6.05	-336	90.00	+0.10 / -0.00	74.50	+0.00 / -0.07	6.30	+0.20 / -0.00	37.10
P095074081P2B	95.00	+0.10 / -0.00	95.00	4.90	7.75	73,00 X 7,00	95.00	+0.10 / -0.00	74.00	+0.00 / -0.07	8.10	+0.20 / -0.00	37.75
P095079063P2B	95.00	+0.10 / -0.00	95.00	3.50	6.05	-338	95.00	+0.10 / -0.00	79.50	+0.00 / -0.07	6.30	+0.20 / -0.00	38.20
P100079081P2B	100.00	+0.10 / -0.00	100.00	4.90	7.75	-414	100.00	+0.10 / -0.00	79.00	+0.00 / -0.07	8.10	+0.20 / -0.00	38.90
P100084063P2B	100.00	+0.10 / -0.00	100.00	3.50	6.05	-339	100.00	+0.10 / -0.00	84.50	+0.00 / -0.08	6.30	+0.20 / -0.00	40.00
P100089042P2B	100.00	+0.10 / -0.00	100.00	2.65	3.95	-238	100.00	+0.10 / -0.00	89.00	+0.00 / -0.08	4.20	+0.20 / -0.00	40.55
P105084081P2B	105.00	+0.10 / -0.00	105.00	4.90	7.75	-415	105.00	+0.10 / -0.00	84.00	+0.00 / -0.08	8.10	+0.20 / -0.00	40.80
P105089063P2B	105.00	+0.10 / -0.00	105.00	3.50	6.05	-341	105.00	+0.10 / -0.00	89.50	+0.00 / -0.08	6.30	+0.20 / -0.00	41.50
P110089081P2B	110.00	+0.10 / -0.00	110.00	4.90	7.75	-417	110.00	+0.10 / -0.00	89.00	+0.00 / -0.08	8.10	+0.20 / -0.00	41.70
P110094063P2B	110.00	+0.10 / -0.00	110.00	3.50	6.05	-343	110.00	+0.10 / -0.00	94.50	+0.00 / -0.08	6.30	+0.20 / -0.00	42.30
P115094081P2B	115.00	+0.10 / -0.00	115.00	4.90	7.75	-419	115.00	+0.10 / -0.00	94.00	+0.00 / -0.08	8.10	+0.20 / -0.00	42.55
P115099063P2B	115.00	+0.10 / -0.00	115.00	3.50	6.05	-344	115.00	+0.10 / -0.00	99.50	+0.00 / -0.08	6.30	+0.20 / -0.00	42.75
P120099081P2B	120.00	+0.10 / -0.00	120.00	4.90	7.75	-420	120.00	+0.10 / -0.00	99.00	+0.00 / -0.08	8.10	+0.20 / -0.00	44.20
P120104063P2B	120.00	+0.10 / -0.00	120.00	3.50	6.05	-346	120.00	+0.10 / -0.00	104.50	+0.00 / -0.08	6.30	+0.20 / -0.00	45.60
P125104081P2B	125.00	+0.10 / -0.00	125.00	4.90	7.75	-421	125.00	+0.10 / -0.00	104.00	+0.00 / -0.08	8.10	+0.20 / -0.00	46.50
P125109063P2B	125.00	+0.10 / -0.00	125.00	3.50	6.05	-347	125.00	+0.10 / -0.00	109.50	+0.00 / -0.08	6.30	+0.20 / -0.00	48.95
P130109081P2B	130.00	+0.10 / -0.00	130.00	4.90	7.75	-422	130.00	+0.10 / -0.00	109.00	+0.00 / -0.08	8.10	+0.20 / -0.00	50.70
P130114063P2B	130.00	+0.10 / -0.00	130.00	3.50	6.05	-349	130.00	+0.10 / -0.00	114.50	+0.00 / -0.08	6.30	+0.20 / -0.00	53.45
P135114081P2B	135.00	+0.10 / -0.00	135.00	4.90	7.75	-425	135.00	+0.10 / -0.00	114.00	+0.00 / -0.08	8.10	+0.20 / -0.00	55.10
P140119081P2B	140.00	+0.10 / -0.00	140.00	4.90	7.75	-426	140.00	+0.10 / -0.00	119.00	+0.00 / -0.08	8.10	+0.20 / -0.00	59.50
P140124063P2B	140.00	+0.10 / -0.00	140.00	3.50	6.05	-352	140.00	+0.10 / -0.00	124.50	+0.00 / -0.10	6.30	+0.20 / -0.00	60.90
P145124081P2B	145.00	+0.10 / -0.00	145.00	4.90	7.75	-428	145.00	+0.10 / -0.00	124.00	+0.00 / -0.10	8.10	+0.20 / -0.00	61.75
P150129081P2B	150.00	+0.10 / -0.00	150.00	4.90	7.75	-430	150.00	+0.10 / -0.00	129.00	+0.00 / -0.10	8.10	+0.20 / -0.00	64.85
P155134081P2B	155.00	+0.10 / -0.00	155.00	4.90	7.75	-431	155.00	+0.10 / -0.00	134.00	+0.00 / -0.10	8.10	+0.20 / -0.00	66.25
P160139081P2B	160.00	+0.10 / -0.00	160.00	4.90	7.75	-433	160.00	+0.10 / -0.00	139.00	+0.00 / -0.10	8.10	+0.20 / -0.00	70.75
P165144081P2B	165.00	+0.10 / -0.00	165.00	4.90	7.75	-434	165.00	+0.10 / -0.00	144.00	+0.00 / -0.10	8.10	+0.20 / -0.00	72.40
P170149081P2B	170.00	+0.10 / -0.00	170.00	4.90	7.75	-436	170.00	+0.10 / -0.00	149.00	+0.00 / -0.10	8.10	+0.20 / -0.00	72.75
P175154081P2B	175.00	+0.13 / -0.00	175.00	4.90	7.75	-437	175.00	+0.13 / -0.00	154.00	+0.00 / -0.10	8.10	+0.20 / -0.00	74.85
P180159081P2B	180.00	+0.13 / -0.00	180.00	4.90	7.75	-438	180.00	+0.13 / -0.00	159.00	+0.00 / -0.10	8.10	+0.20 / -0.00	75.25
P185164081P2B	185.00	+0.13 / -0.00	185.00	4.90	7.75	-439	185.00	+0.13 / -0.00	164.00	+0.00 / -0.10	8.10	+0.20 / -0.00	75.85
P190169081P2B	190.00	+0.13 / -0.00	190.00	4.90	7.75	-439	190.00	+0.13 / -0.00	169.00	+0.00 / -0.10	8.10	+0.20 / -0.00	77.40
P195174081P2B	195.00	+0.13 / -0.00	195.00	4.90	7.75	-440	195.00	+0.13 / -0.00	174.00	+0.00 / -0.10	8.10	+0.20 / -0.00	78.95
P200179081P2B	200.00	+0.13 / -0.00	200.00	4.90	7.75	-441	200.00	+0.13 / -0.00	179.00	+0.00 / -0.10	8.10	+0.20 / -0.00	79.25
P205184081P2B	205.00	+0.13 / -0.00	205.00	4.90	7.75	-442	205.00	+0.13 / -0.00	184.00	+0.00 / -0.11	8.10	+0.20 / -0.00	80.00
P210189081P2B	210.00	+0.13 / -0.00	210.00	4.90	7.75	-443	210.00	+0.13 / -0.00	189.00	+0.00 / -0.11	8.10	+0.20 / -0.00	80.70
P220199081P2B	220.00	+0.13 / -0.00	220.00	4.90	7.75	-444	220.00	+0.13 / -0.00	199.00	+0.00 / -0.11	8.10	+0.20 / -0.00	85.25
P225204081P2B	225.00	+0.13 / -0.00	225.00	4.90	7.75	-445	225.00	+0.13 / -0.00	204.00	+0.00 / -0.11	8.10	+0.20 / -0.00	91.20
P230209081P2B	230.00	+0.13 / -0.00	230.00	4.90	7.75	-445	230.00	+0.13 / -0.00	209.00	+0.00 / -0.11	8.10	+0.20 / -0.00	93.70
P240219081P2B	240.00	+0.13 / -0.00	240.00	4.90	7.75	-446	240.00	+0.13 / -0.00	219.00	+0.00 / -0.11	8.10	+0.20 / -0.00	102.10
P250229081P2B	250.00	+0.13 / -0.00	250.00	4.90	7.75	-447	250.00	+0.13 / -0.00	229.50	+0.00 / -0.11	8.10	+0.20 / -0.00	109.40

P2B SERIES - 60% BR.PTFE/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	D	S	H	EXP.	D1	Tol.	d1	Tol.	H1	Tol.	
P260239081P2B	260.00	+0.13 / -0.00	260.00	4.90	7.75	-447	260.00	+0.13 / -0.00	239.00	+0.00 / -0.11	8.10	+0.20 / -0.00	181.70
P270249081P2B	270.00	+0.13 / -0.00	270.00	4.90	7.75	-448	270.00	+0.13 / -0.00	249.00	+0.00 / -0.11	8.10	+0.20 / -0.00	189.75
P280259081P2B	280.00	+0.15 / -0.00	280.00	4.90	7.75	-449	280.00	+0.15 / -0.00	259.00	+0.00 / -0.13	8.10	+0.20 / -0.00	198.50
P290269081P2B	290.00	+0.15 / -0.00	290.00	4.90	7.75	-450	290.00	+0.15 / -0.00	269.00	+0.00 / -0.13	8.10	+0.20 / -0.00	207.00
P300279081P2B	300.00	+0.15 / -0.00	300.00	4.90	7.75	-451	300.00	+0.15 / -0.00	279.00	+0.00 / -0.13	8.10	+0.20 / -0.00	211.90
P310289081P2B	310.00	+0.15 / -0.00	310.00	4.90	7.75	-451	310.00	+0.15 / -0.00	289.00	+0.00 / -0.13	8.10	+0.20 / -0.00	215.50
P320299081P2B	320.00	+0.15 / -0.00	320.00	4.90	7.75	-452	320.00	+0.15 / -0.00	299.00	+0.00 / -0.13	8.10	+0.20 / -0.00	220.10
P330305081P2B	330.00	+0.15 / -0.00	330.00	6.65	7.75	-453	330.00	+0.15 / -0.00	305.50	+0.00 / -0.13	8.10	+0.20 / -0.00	237.90
P340315081P2B	340.00	+0.15 / -0.00	340.00	6.65	7.75	-453	340.00	+0.15 / -0.00	315.50	+0.00 / -0.14	8.10	+0.20 / -0.00	245.90
P350325081P2B	350.00	+0.15 / -0.00	350.00	6.65	7.75	-454	350.00	+0.15 / -0.00	325.50	+0.00 / -0.14	8.10	+0.20 / -0.00	249.50
P360335081P2B	360.00	+0.15 / -0.00	360.00	6.65	7.75	-455	360.00	+0.15 / -0.00	335.50	+0.00 / -0.14	8.10	+0.20 / -0.00	254.65
P370345081P2B	370.00	+0.15 / -0.00	370.00	6.65	7.75	-456	370.00	+0.15 / -0.00	345.50	+0.00 / -0.14	8.10	+0.20 / -0.00	262.60
P380355081P2B	380.00	+0.15 / -0.00	380.00	6.65	7.75	-457	380.00	+0.15 / -0.00	355.50	+0.00 / -0.14	8.10	+0.20 / -0.00	271.40
P390365081P2B	390.00	+0.15 / -0.00	390.00	6.65	7.75	-457	390.00	+0.15 / -0.00	365.50	+0.00 / -0.14	8.10	+0.20 / -0.00	275.80
P400375081P2B	400.00	+0.15 / -0.00	400.00	6.65	7.75	-458	400.00	+0.15 / -0.00	375.50	+0.00 / -0.14	8.10	+0.20 / -0.00	281.25
P410395081P2B	410.00	+0.15 / -0.00	410.00	6.65	7.75	-459	410.00	+0.15 / -0.00	385.50	+0.00 / -0.14	8.10	+0.20 / -0.00	306.25
P420395081P2B	420.00	+0.15 / -0.00	420.00	6.65	7.75	-460	420.00	+0.15 / -0.00	395.50	+0.00 / -0.14	8.10	+0.20 / -0.00	331.75
P430405081P2B	430.00	+0.15 / -0.00	430.00	6.65	7.75	-461	430.00	+0.15 / -0.00	405.50	+0.00 / -0.15	8.10	+0.20 / -0.00	316.50
P440415081P2B	440.00	+0.15 / -0.00	440.00	6.65	7.75	-461	440.00	+0.15 / -0.00	415.50	+0.00 / -0.15	8.10	+0.20 / -0.00	323.50
P450425081P2B	450.00	+0.15 / -0.00	450.00	6.65	7.75	-462	450.00	+0.15 / -0.00	425.50	+0.00 / -0.15	8.10	+0.20 / -0.00	365.00
P460435081P2B	460.00	+0.15 / -0.00	460.00	6.65	7.75	-463	460.00	+0.15 / -0.00	435.50	+0.00 / -0.15	8.10	+0.20 / -0.00	372.95
P470445081P2B	470.00	+0.15 / -0.00	470.00	6.65	7.75	-464	470.00	+0.15 / -0.00	445.50	+0.00 / -0.15	8.10	+0.20 / -0.00	381.20
P480455081P2B	480.00	+0.15 / -0.00	480.00	6.65	7.75	-464	480.00	+0.15 / -0.00	455.50	+0.00 / -0.15	8.10	+0.20 / -0.00	394.20
P490465081P2B	490.00	+0.15 / -0.00	490.00	6.65	7.75	-465	490.00	+0.15 / -0.00	465.50	+0.00 / -0.15	8.10	+0.20 / -0.00	397.45
P500475081P2B	500.00	+0.15 / -0.00	500.00	6.65	7.75	-466	500.00	+0.15 / -0.00	475.50	+0.00 / -0.15	8.10	+0.20 / -0.00	505.15

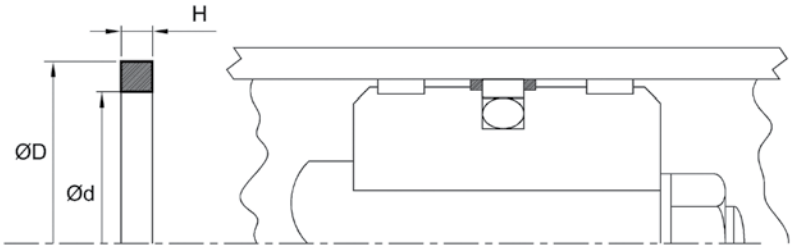
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



ST/N - Back-up Rings

Nylon





Temperature: -40/250F [-40/121C] **Pressure: N/A**

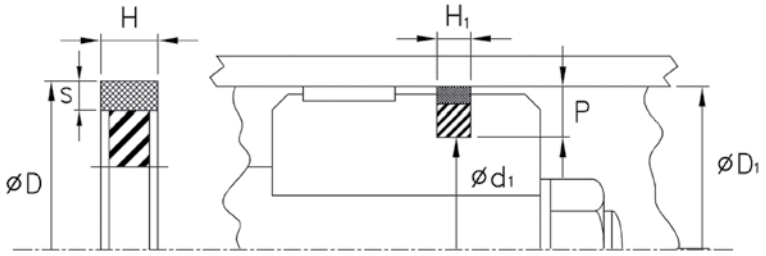
Ref.Number	Nominal Ring Dimensions			$	Ref.Number	Nominal Ring Dimensions			$
	d	D	h			d	D	h	
BU090095025ST/N	90.00	95.00	2.50	11.60	BU119125030ST/N	119.00	125.00	3.00	14.60
BU095100025ST/N	95.00	100.00	2.50	12.15	BU124130030ST/N	124.00	130.00	3.00	15.30
BU100105025ST/N	100.00	105.00	2.50	12.40	BU129135030ST/N	129.00	135.00	3.00	16.05
BU105110025ST/N	105.00	110.00	2.50	12.70	BU134140030ST/N	134.00	140.00	3.00	17.35
BU110115025ST/N	110.00	115.00	2.50	12.95	BU139145030ST/N	139.00	145.00	3.00	17.95
BU115120025ST/N	115.00	120.00	2.50	13.60	BU144150030ST/N	144.00	150.00	3.00	19.15
BU120125025ST/N	120.00	125.00	2.50	O/R	BU154160030ST/N	154.00	160.00	3.00	19.95
BU130135025ST/N	130.00	135.00	2.50	O/R	BU159165030ST/N	159.00	165.00	3.00	21.00
BU089095030ST/N	89.00	95.00	3.00	O/R	BU164170030ST/N	164.00	170.00	3.00	21.70
BU104110030ST/N	104.00	110.00	3.00	12.80	BU174180030ST/N	174.00	180.00	3.00	22.80
BU109115030ST/N	109.00	115.00	3.00	13.20	BU184190030ST/N	184.00	190.00	3.00	25.75
BU114120030ST/N	114.00	120.00	3.00	13.60					



P2G - Piston Seals

Nylon/Nitrile (Step Cut)





Temperature: -22/230F [-30/110C] **Pressure: 7250 PSI [500 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	D	S	H	EXP.	D1	Tol.	d1	Tol.	H1	Tol.	
P032021042P2G	32.00	+0.08 / -0.00	32.00				32.00	+0.08 / -0.00	21.00	+0.00 / -0.05	4.20	+0.20 / -0.00	O/R
P040026058P2G	40.00	+0.08 / -0.00	40.00				40.00	+0.08 / -0.00	26.30	+0.00 / -0.05	5.80	+0.20 / -0.00	42.50
P040029042P2G	40.00	+0.08 / -0.00	40.00				40.00	+0.08 / -0.00	29.00	+0.00 / -0.05	4.20	+0.20 / -0.00	O/R
P050034063P2G	50.00	+0.08 / -0.00	50.00				50.00	+0.08 / -0.00	34.50	+0.00 / -0.06	6.30	+0.20 / -0.00	45.55
P050036058P2G	50.00	+0.08 / -0.00	50.00				50.00	+0.08 / -0.00	36.30	+0.00 / -0.06	5.80	+0.20 / -0.00	O/R
P050039042P2G	50.00	+0.08 / -0.00	50.00				50.00	+0.08 / -0.00	39.00	+0.00 / -0.06	4.20	+0.20 / -0.00	25.20
P060041070P2G	60.00	+0.08 / -0.00	60.00				60.00	+0.08 / -0.00	41.70	+0.00 / -0.06	7.00	+0.20 / -0.00	26.35
P063044070P2G	63.00	+0.08 / -0.00	63.00				63.00	+0.08 / -0.00	44.70	+0.00 / -0.06	7.00	+0.20 / -0.00	52.60
P063047063P2G	63.00	+0.08 / -0.00	63.00				63.00	+0.08 / -0.00	47.50	+0.00 / -0.06	6.30	+0.20 / -0.00	31.90
P070051070P2G	70.00	+0.08 / -0.00	70.00				70.00	+0.08 / -0.00	51.70	+0.00 / -0.07	7.00	+0.20 / -0.00	32.90
P070059042P2G	70.00	+0.08 / -0.00	70.00				70.00	+0.08 / -0.00	59.00	+0.00 / -0.07	4.20	+0.20 / -0.00	33.40
P075054081P2G	75.00	+0.08 / -0.00	75.00				75.00	+0.08 / -0.00	54.00	+0.00 / -0.07	8.10	+0.20 / -0.00	33.50
P075059063P2G	75.00	+0.08 / -0.00	75.00				75.00	+0.08 / -0.00	59.50	+0.00 / -0.07	6.30	+0.20 / -0.00	33.70
P080059081P2G	80.00	+0.10 / -0.00	80.00				80.00	+0.10 / -0.00	59.00	+0.00 / -0.07	8.10	+0.20 / -0.00	47.70
P080064063P2G	80.00	+0.10 / -0.00	80.00				80.00	+0.10 / -0.00	64.50	+0.00 / -0.07	6.30	+0.20 / -0.00	34.20
P085064081P2G	85.00	+0.10 / -0.00	85.00				85.00	+0.10 / -0.00	64.00	+0.00 / -0.07	8.10	+0.20 / -0.00	O/R
P090069081P2G	90.00	+0.10 / -0.00	90.00				90.00	+0.10 / -0.00	69.00	+0.00 / -0.07	8.10	+0.20 / -0.00	35.70
P090074063P2G	90.00	+0.10 / -0.00	90.00				90.00	+0.10 / -0.00	74.50	+0.00 / -0.07	6.30	+0.20 / -0.00	O/R
P095074081P2G	95.00	+0.10 / -0.00	95.00				95.00	+0.10 / -0.00	74.00	+0.00 / -0.07	8.10	+0.20 / -0.00	O/R
P100079081P2G	100.00	+0.10 / -0.00	100.00				100.00	+0.10 / -0.00	79.00	+0.00 / -0.07	8.10	+0.20 / -0.00	39.65
P100084063P2G	100.00	+0.10 / -0.00	100.00				100.00	+0.10 / -0.00	84.50	+0.00 / -0.08	6.30	+0.20 / -0.00	O/R
P105084081P2G	105.00	+0.10 / -0.00	105.00				105.00	+0.10 / -0.00	84.00	+0.00 / -0.08	8.10	+0.20 / -0.00	O/R
P110089081P2G	110.00	+0.10 / -0.00	110.00				110.00	+0.10 / -0.00	89.00	+0.00 / -0.08	8.10	+0.20 / -0.00	40.80
P115094081P2G	115.00	+0.10 / -0.00	115.00				115.00	+0.10 / -0.00	94.00	+0.00 / -0.08	8.10	+0.20 / -0.00	43.55
P120099081P2G	120.00	+0.10 / -0.00	120.00				120.00	+0.10 / -0.00	99.00	+0.00 / -0.08	8.10	+0.20 / -0.00	47.55
P125104081P2G	125.00	+0.10 / -0.00	125.00				125.00	+0.10 / -0.00	104.00	+0.00 / -0.08	8.10	+0.20 / -0.00	50.10
P125109063P2G	125.00	+0.10 / -0.00	125.00				125.00	+0.10 / -0.00	109.50	+0.00 / -0.08	6.30	+0.20 / -0.00	O/R
P130109081P2G	130.00	+0.10 / -0.00	130.00				130.00	+0.10 / -0.00	109.00	+0.00 / -0.08	8.10	+0.20 / -0.00	55.15
P140119081P2G	140.00	+0.10 / -0.00	140.00				140.00	+0.10 / -0.00	119.00	+0.00 / -0.08	8.10	+0.20 / -0.00	60.10
P150129081P2G	150.00	+0.10 / -0.00	150.00				150.00	+0.10 / -0.00	129.00	+0.00 / -0.10	8.10	+0.20 / -0.00	61.90
P160139081P2G	160.00	+0.10 / -0.00	160.00				160.00	+0.10 / -0.00	139.00	+0.00 / -0.10	8.10	+0.20 / -0.00	73.20
P160144063P2G	160.00	+0.10 / -0.00	160.00				160.00	+0.10 / -0.00	144.50	+0.00 / -0.10	6.30	+0.20 / -0.00	O/R
P180159081P2G	180.00	+0.13 / -0.00	180.00				180.00	+0.13 / -0.00	159.00	+0.00 / -0.10	8.10	+0.20 / -0.00	96.05
P190169081P2G	190.00	+0.13 / -0.00	190.00				190.00	+0.13 / -0.00	169.00	+0.00 / -0.10	8.10	+0.20 / -0.00	107.05
P200179081P2G	200.00	+0.13 / -0.00	200.00				200.00	+0.13 / -0.00	179.00	+0.00 / -0.10	8.10	+0.20 / -0.00	110.70
P210189081P2G	210.00	+0.13 / -0.00	210.00				210.00	+0.13 / -0.00	189.00	+0.00 / -0.11	8.10	+0.20 / -0.00	121.05
P220199081P2G	220.00	+0.13 / -0.00	220.00				220.00	+0.13 / -0.00	199.00	+0.00 / -0.11	8.10	+0.20 / -0.00	130.15
P230209081P2G	230.00	+0.13 / -0.00	230.00				230.00	+0.13 / -0.00	209.00	+0.00 / -0.11	8.10	+0.20 / -0.00	167.50

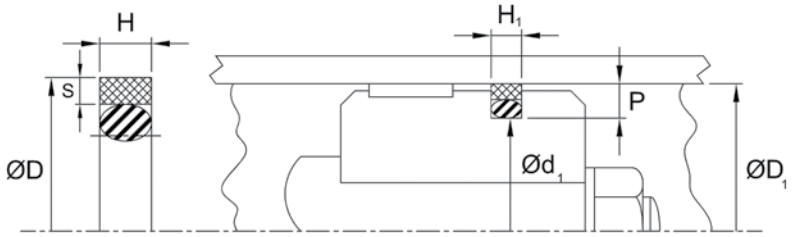
P2G SERIES - NYLON/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions						$
		Tol.	D	S	H	EXP.	D1	Tol.	d1	Tol.	H1	Tol.	
P240225081P2G	240.00	+0.13 / -0.00	240.00				240.00	+0.13 / -0.00	225.00	+0.00 / -0.11	8.10	+0.20 / -0.00	O/R
P250229081P2G	250.00	+0.13 / -0.00	250.00				250.00	+0.13 / -0.00	229.00	+0.00 / -0.11	8.10	+0.20 / -0.00	208.25
P260239081P2G	260.00	+0.13 / -0.00	260.00				260.00	+0.13 / -0.00	239.00	+0.00 / -0.11	8.10	+0.20 / -0.00	291.95
P280255081P2G	280.00	+0.15 / -0.00	280.00				280.00	+0.15 / -0.00	255.50	+0.00 / -0.13	8.10	+0.20 / -0.00	249.85
P300272095P2G	300.00	+0.15 / -0.00	300.00				300.00	+0.15 / -0.00	272.00	+0.00 / -0.13	9.50	+0.20 / -0.00	O/R
P320292095P2G	320.00	+0.15 / -0.00	320.00				320.00	+0.15 / -0.00	292.00	+0.00 / -0.13	9.50	+0.20 / -0.00	O/R
P330302095P2G	330.00	+0.15 / -0.00	330.00				330.00	+0.15 / -0.00	302.00	+0.00 / -0.13	9.50	+0.20 / -0.00	312.45
P350322095P2G	350.00	+0.15 / -0.00	350.00				350.00	+0.15 / -0.00	322.00	+0.00 / -0.14	9.50	+0.20 / -0.00	O/R

CAT TYPE-3 - Piston Seals

Nylon/Nitrile





Temperature: -22/230F [-30/110C] **Pressure: 7250 PSI [500 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
	D1	Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
RCAT-9X7298	100.00	+0.10 / -0.00	100.00				85.75	+0.08 / -0.08	7.24	+0.05 / -0.05	105.65
RCAT-1333094	100.76	+0.10 / -0.00	100.76				85.75	+0.08 / -0.08	7.24	+0.05 / -0.05	O/R
RCAT-9X3586	105.00	+0.10 / -0.00	105.00				90.75	+0.08 / -0.08	7.24	+0.05 / -0.05	125.95
RCAT-9X7301	110.00	+0.10 / -0.00	110.00				95.75	+0.08 / -0.08	7.24	+0.05 / -0.05	106.30
RCAT-1333098	110.76	+0.10 / -0.00	110.76				95.75	+0.08 / -0.08	7.24	+0.05 / -0.05	O/R
RCAT-9X3589	115.00	+0.10 / -0.00	115.00				100.76	+0.08 / -0.08	7.24	+0.05 / -0.05	130.65
RCAT-9X3592	120.00	+0.10 / -0.00	120.00				105.74	+0.08 / -0.08	7.24	+0.05 / -0.05	106.70
RCAT-1082870	120.76	+0.10 / -0.00	120.76				105.74	+0.08 / -0.08	7.24	+0.05 / -0.05	O/R
RCAT-9X3595	130.00	+0.10 / -0.00	130.00				115.74	+0.08 / -0.08	7.24	+0.05 / -0.05	107.25
RCAT-1082869	130.76	+0.10 / -0.00	130.76				115.74	+0.08 / -0.08	7.24	+0.05 / -0.05	O/R
RCAT-1233135	140.00	+0.10 / -0.00	140.00				119.00	+0.08 / -0.08	8.20	+0.05 / -0.05	108.00
RCAT-9X3598	140.00	+0.10 / -0.00	140.00				120.62	+0.08 / -0.08	9.63	+0.05 / -0.05	108.00
RCAT-1333102	140.76	+0.10 / -0.00	140.76				120.62	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-9X3601	150.00	+0.10 / -0.00	150.00				130.63	+0.08 / -0.08	9.63	+0.05 / -0.05	108.50
RCAT-1082871	150.76	+0.10 / -0.00	150.76				130.63	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-9X3604	160.00	+0.10 / -0.00	160.00				140.61	+0.08 / -0.08	9.63	+0.05 / -0.05	109.45

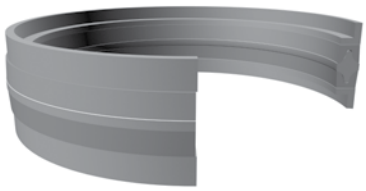
All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

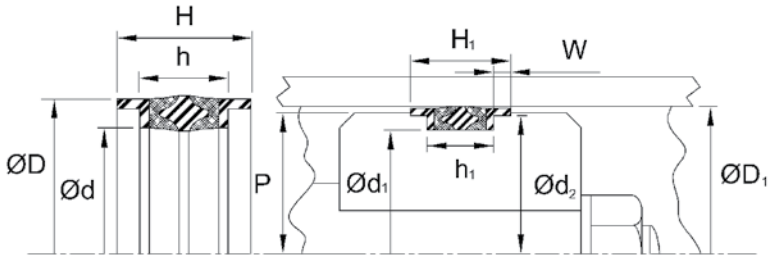
CAT TYPE 3 SERIES - CAT X-REF - NYLON/NBR

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions					$
	D1	Tol.	D	S	H	EXP.	d1	Tol.	H1	Tol.	
RCAT-1333106	160.76	+0.10 / -0.00	160.76				140.61	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-9X3607	170.00	+0.10 / -0.00	170.00				150.62	+0.08 / -0.08	9.63	+0.05 / -0.05	110.35
RCAT-1333110	170.76	+0.10 / -0.00	170.76				150.62	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-9X3610	180.00	+0.13 / -0.00	180.00				160.62	+0.08 / -0.08	9.63	+0.05 / -0.05	113.05
RCAT-1333114	180.76	+0.13 / -0.00	180.76				160.62	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-1251286	190.00	+0.13 / -0.00	190.00				170.62	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-8C9179	200.00	+0.13 / -0.00	200.00				174.73	+0.08 / -0.08	9.63	+0.05 / -0.05	203.20
RCAT-1333118	200.76	+0.13 / -0.00	200.76				174.73	+0.08 / -0.08	9.63	+0.05 / -0.05	O/R
RCAT-8C9182	220.00	+0.13 / -0.00	220.00				194.74	+0.08 / -0.08	9.63	+0.05 / -0.05	209.35

P3C - Piston Seals

Neofab/Polyamide





Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [415 BAR]**

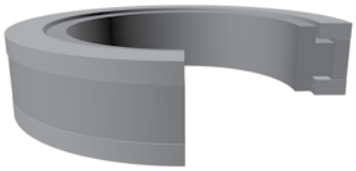
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
							d1	d2	P	h1	W	
		Tol.	D	d	h	H	+.00/ -.08	+.12/ -.12	+.10/ -.10	+.20/ -.00	+.10/ -.00	
P030022135P3C	30.00	+0.08 / -0.00	30.00	22.00	13.50	19.90	22.00	26.00	29.40	13.50	3.20	18.60
P032024155P3C	32.00	+0.08 / -0.00	32.00	24.00	15.50	21.90	24.00	28.00	31.40	15.50	3.20	19.20
P035027155P3C	35.00	+0.08 / -0.00	35.00	27.00	15.50	21.90	27.00	31.00	34.40	15.50	3.20	19.90
P040032150P3C	40.00	+0.08 / -0.00	40.00	32.00	15.00	23.40	32.00	36.00	39.40	15.00	4.20	20.65
P045037155P3C	45.00	+0.08 / -0.00	45.00	37.00	15.50	23.90	37.00	41.00	44.40	15.50	4.20	21.00
P050038205P3C	50.00	+0.08 / -0.00	50.00	38.00	20.50	28.90	38.00	46.00	49.40	20.50	4.20	22.15
P055043205P3C	55.00	+0.08 / -0.00	55.00	43.00	20.50	28.90	43.00	51.00	54.40	20.50	4.20	24.15
P060048205P3C	60.00	+0.08 / -0.00	60.00	48.00	20.50	28.90	48.00	56.00	59.40	20.50	4.20	24.80
P063051205P3C	63.00	+0.08 / -0.00	63.00	51.00	20.50	28.90	51.00	59.00	62.40	20.50	4.20	24.90
P065053205P3C	65.00	+0.08 / -0.00	65.00	53.00	20.50	28.90	53.00	61.00	64.40	20.50	4.20	25.25
P070058205P3C	70.00	+0.08 / -0.00	70.00	58.00	20.50	28.90	58.00	66.00	69.40	20.50	4.20	26.10
P075063205P3C	75.00	+0.08 / -0.00	75.00	63.00	20.50	28.90	63.00	71.00	74.40	20.50	4.20	27.05
P080066225P3C	80.00	+0.10 / -0.00	80.00	66.00	22.50	32.90	66.00	76.00	79.40	22.50	5.20	29.00
P085071225P3C	85.00	+0.10 / -0.00	85.00	71.00	22.50	32.90	71.00	81.00	84.40	22.50	5.20	39.05
P090076225P3C	90.00	+0.10 / -0.00	90.00	76.00	22.50	32.90	76.00	86.00	89.40	22.50	5.20	30.75
P100086225P3C	100.00	+0.10 / -0.00	100.00	86.00	22.50	32.90	86.00	96.00	99.40	22.50	5.20	34.10
P105091225P3C	105.00	+0.10 / -0.00	105.00	91.00	22.50	32.90	91.00	101.00	104.40	22.50	5.20	38.35
P110096225P3C	110.00	+0.10 / -0.00	110.00	96.00	22.50	32.90	96.00	106.00	109.40	22.50	5.20	43.15

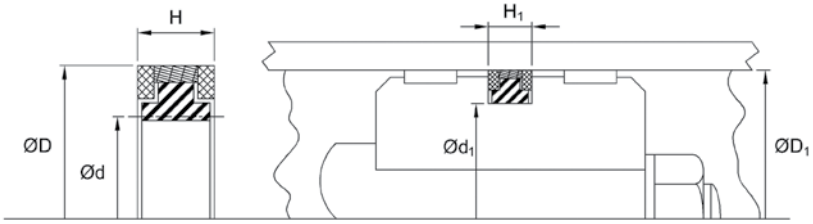
P3C SERIES - NEO/PA

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1 +.00/ -.08	d2 +.12/ -.12	P +.10/ -.10	h1 +.20/ -.00	W +.10/ -.00	
P120106225P3C	120.00	+0.10 / -0.00	120.00	106.00	22.50	32.90	106.00	116.00	119.40	22.50	5.20	48.60
P125108265P3C	125.00	+0.10 / -0.00	125.00	108.00	26.50	40.90	108.00	121.00	124.40	26.50	7.20	57.35
P140123265P3C	140.00	+0.10 / -0.00	140.00	123.00	26.50	40.90	123.00	136.00	139.40	26.50	7.20	66.40
P150133265P3C	150.00	+0.10 / -0.00	150.00	133.00	26.50	40.90	133.00	146.00	149.40	26.50	7.20	72.65
P160143265P3C	160.00	+0.10 / -0.00	160.00	143.00	26.50	40.90	143.00	156.00	159.40	26.50	7.20	80.65
P180163265P3C	180.00	+0.13 / -0.00	180.00	163.00	26.50	40.90	163.00	176.00	179.40	26.50	7.20	182.75
P200180315P3C	200.00	+0.13 / -0.00	200.00	180.00	31.50	49.90	180.00	196.00	199.40	31.50	9.20	194.15
P220200315P3C	220.00	+0.13 / -0.00	220.00	200.00	31.50	50.50	200.00	216.00	219.40	31.50	9.20	208.90
P250230315P3C	250.00	+0.13 / -0.00	250.00	230.00	31.50	50.50	230.00	246.00	249.40	31.50	9.20	224.10

P4A - Piston Seals

BR. PTFE/Nitrile/Nylon





Temperature: -20/220F [-29/104C] **Pressure: 6500 PSI [345 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P050036085P4A	50.00	+0.08 / -0.00	50.00	36.00	8.50	50.00	+0.08 / -0.00	36.00	+0.00 / -0.20	9.00	+0.20 / -0.00	43.65
P050040075P4A	50.00	+0.08 / -0.00	50.00	40.00	7.50	50.00	+0.08 / -0.00	40.00	+0.00 / -0.20	8.00	+0.20 / -0.00	44.55
P060046085P4A	60.00	+0.08 / -0.00	60.00	46.00	8.50	60.00	+0.08 / -0.00	46.00	+0.00 / -0.20	9.00	+0.20 / -0.00	45.40
P063048105P4A	63.00	+0.08 / -0.00	63.00	48.00	10.50	63.00	+0.08 / -0.00	48.00	+0.00 / -0.20	11.00	+0.20 / -0.00	45.65
P063053075P4A	63.00	+0.08 / -0.00	63.00	53.00	7.50	63.00	+0.08 / -0.00	53.00	+0.00 / -0.20	8.00	+0.20 / -0.00	46.10
P065050105P4A	65.00	+0.08 / -0.00	65.00	50.00	10.50	65.00	+0.08 / -0.00	50.00	+0.00 / -0.20	11.00	+0.20 / -0.00	46.55
P065051085P4A	65.00	+0.08 / -0.00	65.00	51.00	8.50	65.00	+0.08 / -0.00	51.00	+0.00 / -0.20	9.00	+0.20 / -0.00	74.65
P070055105P4A	70.00	+0.08 / -0.00	70.00	55.00	10.50	70.00	+0.08 / -0.00	55.00	+0.00 / -0.20	11.00	+0.20 / -0.00	47.80
P070055120P4A	70.00	+0.08 / -0.00	70.00	55.00	12.00	70.00	+0.08 / -0.00	55.00	+0.00 / -0.20	12.50	+0.20 / -0.00	68.25
P070060075P4A	70.00	+0.08 / -0.00	70.00	60.00	7.50	70.00	+0.08 / -0.00	60.00	+0.00 / -0.20	8.00	+0.20 / -0.00	48.60
P075060105P4A	75.00	+0.08 / -0.00	75.00	60.00	10.50	75.00	+0.08 / -0.00	60.00	+0.00 / -0.20	11.00	+0.20 / -0.00	49.50
P075063085P4A	75.00	+0.08 / -0.00	75.00	63.00	8.50	75.00	+0.08 / -0.00	63.00	+0.00 / -0.20	9.00	+0.20 / -0.00	50.90
P080065105P4A	80.00	+0.10 / -0.00	80.00	65.00	10.50	80.00	+0.10 / -0.00	65.00	+0.00 / -0.20	11.00	+0.20 / -0.00	52.50
P080065115P4A	80.00	+0.10 / -0.00	80.00	65.00	11.50	80.00	+0.10 / -0.00	65.00	+0.00 / -0.20	12.00	+0.20 / -0.00	55.35
P085070105P4A	85.00	+0.10 / -0.00	85.00	70.00	10.50	85.00	+0.10 / -0.00	70.00	+0.00 / -0.20	11.00	+0.20 / -0.00	57.25
P090075105P4A	90.00	+0.10 / -0.00	90.00	75.00	10.50	90.00	+0.10 / -0.00	75.00	+0.00 / -0.20	11.00	+0.20 / -0.00	61.75
P090075115P4A	90.00	+0.10 / -0.00	90.00	75.00	11.50	90.00	+0.10 / -0.00	75.00	+0.00 / -0.20	12.00	+0.20 / -0.00	62.95
P090075125P4A	90.00	+0.10 / -0.00	90.00	75.00	12.50	90.00	+0.10 / -0.00	75.00	+0.00 / -0.20	13.00	+0.20 / -0.00	64.40

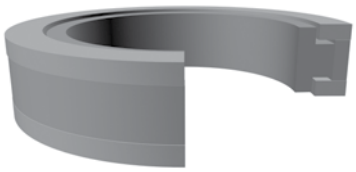
P4A SERIES - BR.PTFE/NBR/NYLON

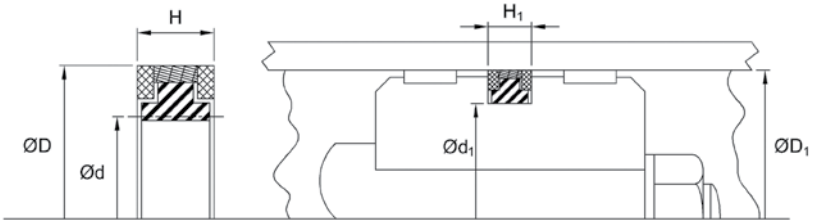
Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
P095080105P4A	95.00	+0.10 / -0.00	95.00	80.00	10.50	95.00	+0.10 / -0.00	80.00	+0.00 / -0.20	11.00	+0.20 / -0.00	65.85
P100085120P4A	100.00	+0.10 / -0.00	100.00	85.00	12.00	100.00	+0.10 / -0.00	85.00	+0.00 / -0.20	12.50	+0.20 / -0.00	67.85
P105090120P4A	105.00	+0.10 / -0.00	105.00	90.00	12.00	105.00	+0.10 / -0.00	90.00	+0.00 / -0.20	12.50	+0.20 / -0.00	69.90
P110095120P4A	110.00	+0.10 / -0.00	110.00	95.00	12.00	110.00	+0.10 / -0.00	95.00	+0.00 / -0.20	12.50	+0.20 / -0.00	72.05
P115100120P4A	115.00	+0.10 / -0.00	115.00	100.00	12.00	115.00	+0.10 / -0.00	100.00	+0.00 / -0.20	12.50	+0.20 / -0.00	75.85
P120100155P4A	120.00	+0.10 / -0.00	120.00	100.00	15.50	120.00	+0.10 / -0.00	100.00	+0.00 / -0.20	15.50	+0.20 / -0.00	76.20
P120105120P4A	120.00	+0.10 / -0.00	120.00	105.00	12.00	120.00	+0.10 / -0.00	105.00	+0.00 / -0.20	12.50	+0.20 / -0.00	76.35
P125102155P4A	125.00	+0.10 / -0.00	125.00	102.00	15.50	125.00	+0.10 / -0.00	102.00	+0.00 / -0.20	16.00	+0.20 / -0.00	80.40
P125105155P4A	125.00	+0.10 / -0.00	125.00	105.00	15.50	125.00	+0.10 / -0.00	105.00	+0.00 / -0.20	16.00	+0.20 / -0.00	85.15
P130107155P4A	130.00	+0.10 / -0.00	130.00	107.00	15.50	130.00	+0.10 / -0.00	107.00	+0.00 / -0.20	16.00	+0.20 / -0.00	87.90
P135112155P4A	135.00	+0.10 / -0.00	135.00	112.00	15.50	135.00	+0.10 / -0.00	112.00	+0.00 / -0.20	16.00	+0.20 / -0.00	90.75
P140117155P4A	140.00	+0.10 / -0.00	140.00	117.00	15.50	140.00	+0.10 / -0.00	117.00	+0.00 / -0.20	16.00	+0.20 / -0.00	92.50
P140120155P4A	140.00	+0.10 / -0.00	140.00	120.00	15.50	140.00	+0.10 / -0.00	120.00	+0.00 / -0.20	16.00	+0.20 / -0.00	94.75
P140120185P4A	140.00	+0.10 / -0.00	140.00	120.00	18.50	140.00	+0.10 / -0.00	120.00	+0.00 / -0.20	19.00	+0.20 / -0.00	96.20
P145122155P4A	145.00	+0.10 / -0.00	145.00	122.00	15.50	145.00	+0.10 / -0.00	122.00	+0.00 / -0.20	16.00	+0.20 / -0.00	98.75
P150127155P4A	150.00	+0.10 / -0.00	150.00	127.00	15.50	150.00	+0.10 / -0.00	127.00	+0.00 / -0.20	16.00	+0.20 / -0.00	101.45
P150130185P4A	150.00	+0.10 / -0.00	150.00	130.00	18.50	150.00	+0.10 / -0.00	130.00	+0.00 / -0.20	19.00	+0.20 / -0.00	137.05
P155132155P4A	155.00	+0.10 / -0.00	155.00	132.00	15.50	155.00	+0.10 / -0.00	132.00	+0.00 / -0.20	16.00	+0.20 / -0.00	107.10
P160137155P4A	160.00	+0.10 / -0.00	160.00	137.00	15.50	160.00	+0.10 / -0.00	137.00	+0.00 / -0.20	16.00	+0.20 / -0.00	109.05
P160140155P4A	160.00	+0.10 / -0.00	160.00	140.00	15.50	160.00	+0.10 / -0.00	140.00	+0.00 / -0.20	16.00	+0.20 / -0.00	115.60
P160140185P4A	160.00	+0.10 / -0.00	160.00	140.00	18.50	160.00	+0.10 / -0.00	140.00	+0.00 / -0.20	19.00	+0.20 / -0.00	120.45
P165142155P4A	165.00	+0.10 / -0.00	165.00	142.00	15.50	165.00	+0.10 / -0.00	142.00	+0.00 / -0.20	16.00	+0.20 / -0.00	122.20
P170147155P4A	170.00	+0.10 / -0.00	170.00	147.00	15.50	170.00	+0.10 / -0.00	147.00	+0.00 / -0.20	16.00	+0.20 / -0.00	126.85
P180157155P4A	180.00	+0.13 / -0.00	180.00	157.00	15.50	180.00	+0.13 / -0.00	157.00	+0.00 / -0.20	16.00	+0.20 / -0.00	133.00
P180160155P4A	180.00	+0.13 / -0.00	180.00	160.00	15.50	180.00	+0.13 / -0.00	160.00	+0.00 / -0.20	16.00	+0.20 / -0.00	142.15
P185162155P4A	185.00	+0.13 / -0.00	185.00	162.00	15.50	185.00	+0.13 / -0.00	162.00	+0.00 / -0.20	16.00	+0.20 / -0.00	151.25
P190167155P4A	190.00	+0.13 / -0.00	190.00	167.00	15.50	190.00	+0.13 / -0.00	167.00	+0.00 / -0.20	16.00	+0.20 / -0.00	154.00
P200177155P4A	200.00	+0.13 / -0.00	200.00	177.00	15.50	200.00	+0.13 / -0.00	177.00	+0.00 / -0.20	16.00	+0.20 / -0.00	156.65
P210187155P4A	210.00	+0.13 / -0.00	210.00	187.00	15.50	210.00	+0.13 / -0.00	187.00	+0.00 / -0.20	16.00	+0.20 / -0.00	159.75
P220197155P4A	220.00	+0.13 / -0.00	220.00	197.00	15.50	220.00	+0.13 / -0.00	197.00	+0.00 / -0.20	16.00	+0.20 / -0.00	162.85
P225202155P4A	225.00	+0.13 / -0.00	225.00	202.00	15.50	225.00	+0.13 / -0.00	202.00	+0.00 / -0.20	16.00	+0.20 / -0.00	172.15
P230207155P4A	230.00	+0.13 / -0.00	230.00	207.00	15.50	230.00	+0.13 / -0.00	207.00	+0.00 / -0.20	16.00	+0.20 / -0.00	178.95
P240217155P4A	240.00	+0.13 / -0.00	240.00	217.00	15.50	240.00	+0.13 / -0.00	217.00	+0.00 / -0.20	16.00	+0.20 / -0.00	185.70
P250222170P4A	250.00	+0.13 / -0.00	250.00	222.00	17.00	250.00	+0.13 / -0.00	222.00	+0.00 / -0.20	17.50	+0.20 / -0.00	207.85
P260232170P4A	260.00	+0.13 / -0.00	260.00	232.00	17.00	260.00	+0.13 / -0.00	232.00	+0.00 / -0.20	17.50	+0.20 / -0.00	213.30
P270242170P4A	270.00	+0.13 / -0.00	270.00	242.00	17.00	270.00	+0.13 / -0.00	242.00	+0.00 / -0.20	17.50	+0.20 / -0.00	227.85
P280252170P4A	280.00	+0.15 / -0.00	280.00	252.00	17.00	280.00	+0.15 / -0.00	252.00	+0.00 / -0.20	17.50	+0.20 / -0.00	233.95
P300272170P4A	300.00	+0.15 / -0.00	300.00	272.00	17.00	300.00	+0.15 / -0.00	272.00	+0.00 / -0.20	17.50	+0.20 / -0.00	311.80
P320292170P4A	320.00	+0.15 / -0.00	320.00	292.00	17.00	320.00	+0.15 / -0.00	292.00	+0.00 / -0.20	17.50	+0.20 / -0.00	O/R

CAT TYPE-4 SERIES - CAT X-REF - BR.PTFE/NBR/NYLON

CAT TYPE-4 - Piston Seals

BR. PTFE/Nylon/Nitrile





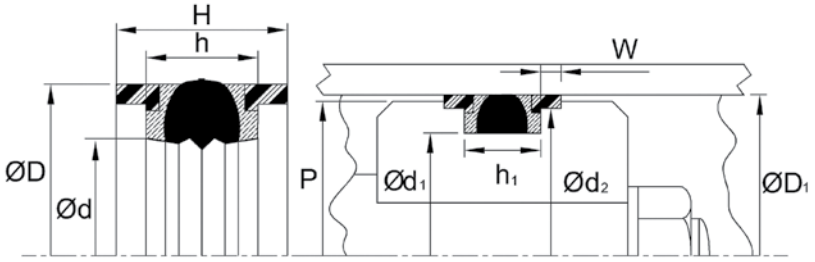
Temperature: -20/220F [-29/104] **Pressure: 6500 PSI [450 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
RCAT-0996998	80.00	+0.10 / -0.00	80.00			80.00	+0.10 / -0.00	64.96	+0.08 / -0.08	11.10	+0.05 / -0.05	54.10
RCAT-0996973	90.00	+0.10 / -0.00	90.00			90.00	+0.10 / -0.00	74.96	+0.08 / -0.08	11.10	+0.05 / -0.05	60.70
RCAT-5I5928	100.00	+0.10 / -0.00	100.00			100.00	+0.10 / -0.00	84.96	+0.08 / -0.08	12.60	+0.05 / -0.05	67.00
RCAT-0996922	110.00	+0.10 / -0.00	110.00			110.00	+0.10 / -0.00	94.96	+0.08 / -0.08	12.60	+0.05 / -0.05	70.75

P5B - Piston Seals

Nitrile/Polyamide/Polyester





Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [415 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
							d1	d2	P	h1	W	
		Tol.	D	d	h	H	+.00/ -.08	+.12/ -.12	+.10/ -.10	+.20/ -.00	+.10/ -.00	
P020011135P5B	20.00	+0.08 / -0.00	20.00	11.00	13.50	17.70	11.00	17.00	19.00	13.50	2.10	15.20
P022013135P5B	22.00	+0.08 / -0.00	22.00	13.00	13.50	17.70	13.00	19.00	21.00	13.50	2.10	15.25
P025012120P5B	25.00	+0.08 / -0.00	25.00	12.00	12.00	24.70	12.00	21.45	23.80	12.00	6.35	15.40
P025015125P5B	25.00	+0.08 / -0.00	25.00	15.00	12.50	20.50	15.00	22.00	24.00	12.50	4.00	15.60
P025015164P5B	25.00	+0.08 / -0.00	25.00	15.00	16.40	29.10	15.00	21.45	23.50	16.40	6.35	15.80
P025016135P5B	25.00	+0.08 / -0.00	25.00	16.00	13.50	17.70	16.00	22.00	24.00	13.50	2.10	16.15
P025017088P5B	25.00	+0.08 / -0.00	25.00	17.50	8.80	15.00	17.50	21.30	24.00	8.80	3.10	16.25
P025017100P5B	25.00	+0.08 / -0.00	25.00	17.00	10.00	18.00	17.00	22.00	24.00	10.00	4.00	16.30
P025017135P5B	25.00	+0.08 / -0.00	25.00	17.00	13.50	19.90	17.00	21.00	24.40	13.50	3.20	16.40
P028019135P5B	28.00	+0.08 / -0.00	28.00	19.00	13.50	17.70	19.00	25.00	27.00	13.50	2.10	16.40
P030017154P5B	30.00	+0.08 / -0.00	30.00	17.00	15.40	28.10	17.00	26.50	28.50	15.40	6.35	16.55
P030021135P5B	30.00	+0.08 / -0.00	30.00	21.00	13.50	17.70	21.00	27.00	29.00	13.50	2.10	16.65

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

P5B SERIES - NBR/PA/POLYESTER

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1 +.00/ -.08	d2 +.12/ -.12	P +.10/ -.10	h1 +.20/ -.00	W +.10/ -.00	
P030022125P5B	30.00	+0.08 / -0.00	30.00	22.00	12.50	18.90	22.00	26.00	29.40	13.50	3.20	16.85
P032019154P5B	32.00	+0.08 / -0.00	32.00	19.00	15.40	28.10	19.00	28.50	30.70	15.40	6.35	16.90
P032022125P5B	32.00	+0.08 / -0.00	32.00	22.00	12.50	20.50	22.00	29.00	31.00	12.50	4.00	17.05
P032022155P5B	32.00	+0.08 / -0.00	32.00	22.00	15.50	20.70	22.00	28.00	31.00	15.50	2.60	17.15
P032022164P5B	32.00	+0.08 / -0.00	32.00	22.00	16.40	29.10	22.00	28.50	30.50	16.40	6.35	17.25
P032024100P5B	32.00	+0.08 / -0.00	32.00	24.00	10.00	18.00	24.00	29.00	31.00	10.00	4.00	17.30
P032024155P5B	32.00	+0.08 / -0.00	32.00	24.00	15.50	21.90	24.00	28.00	31.40	15.50	3.20	17.50
P035025155P5B	35.00	+0.08 / -0.00	35.00	25.00	15.50	20.70	25.00	31.00	34.00	15.50	2.60	17.55
P035025164P5B	35.00	+0.08 / -0.00	35.00	25.00	16.40	29.10	25.00	31.40	33.50	16.40	6.35	18.05
P035027155P5B	35.00	+0.08 / -0.00	35.00	27.00	15.50	21.90	27.00	31.00	34.40	15.50	3.20	18.45
P036026155P5B	36.00	+0.08 / -0.00	36.00	26.00	15.50	20.70	26.00	32.00	35.00	15.50	2.60	18.65
P040024180P5B	40.00	+0.08 / -0.00	40.00	24.00	18.00	30.70	24.00	35.40	38.50	18.00	6.35	19.00
P040024184P5B	40.00	+0.08 / -0.00	40.00	24.00	18.40	31.10	24.00	35.40	38.70	18.40	6.35	19.15
P040026155P5B	40.00	+0.08 / -0.00	40.00	26.00	15.50	20.70	26.00	36.00	39.00	15.50	2.60	19.25
P040030113P5B	40.00	+0.08 / -0.00	40.00	30.00	11.30	19.30	30.00	35.40	38.00	11.30	4.00	19.45
P040030125P5B	40.00	+0.08 / -0.00	40.00	30.00	12.50	20.50	30.00	37.00	39.00	12.50	4.00	19.55
P040030164P5B	40.00	+0.08 / -0.00	40.00	30.00	16.40	29.10	30.00	35.40	38.70	16.40	6.35	19.60
P040032100P5B	40.00	+0.08 / -0.00	40.00	32.00	10.00	18.00	32.00	37.00	39.00	10.00	4.00	19.70
P040032155P5B	40.00	+0.08 / -0.00	40.00	32.00	15.50	21.90	32.00	36.00	39.40	15.50	3.20	19.75
P042028155P5B	42.00	+0.08 / -0.00	42.00	28.00	15.50	20.70	28.00	38.00	41.00	15.50	2.60	19.85
P045029184P5B	45.00	+0.08 / -0.00	45.00	29.00	18.40	31.10	29.00	40.40	43.70	18.40	6.35	20.10
P045031155P5B	45.00	+0.08 / -0.00	45.00	31.00	15.50	20.70	31.00	41.00	44.00	15.50	2.60	20.30
P045035164P5B	45.00	+0.08 / -0.00	45.00	35.00	16.40	29.10	35.00	40.40	43.50	16.40	6.35	20.55
P045037155P5B	45.00	+0.08 / -0.00	45.00	37.00	15.50	21.90	37.00	41.00	44.40	15.50	3.20	20.75
P050034184P5B	50.00	+0.08 / -0.00	50.00	34.00	18.40	31.10	34.00	45.40	48.70	18.40	6.35	21.00
P050034205P5B	50.00	+0.08 / -0.00	50.00	34.00	20.50	26.70	34.00	46.00	49.00	20.50	3.10	21.20
P050034320P5B	50.00	+0.08 / -0.00	50.00	34.00	32.00	44.70	34.00	43.77	47.85	32.00	6.35	21.25
P050035200P5B	50.00	+0.08 / -0.00	50.00	35.00	20.00	30.00	35.00	46.00	48.50	20.00	5.00	21.40
P050038205P5B	50.00	+0.08 / -0.00	50.00	38.00	20.50	28.90	38.00	46.00	49.40	20.50	4.20	21.65
P050040110P5B	50.00	+0.08 / -0.00	50.00	40.00	11.00	19.00	40.00	45.44	49.00	11.00	4.00	21.80
P050040125P5B	50.00	+0.08 / -0.00	50.00	40.00	12.50	20.50	40.00	47.00	49.00	12.50	4.00	22.10
P055039184P5B	55.00	+0.08 / -0.00	55.00	39.00	18.40	31.10	39.00	50.40	53.70	18.40	6.35	22.85
P055039205P5B	55.00	+0.08 / -0.00	55.00	39.00	20.50	26.70	39.00	51.00	54.00	20.50	3.10	23.10
P055045113P5B	55.00	+0.08 / -0.00	55.00	45.00	11.30	19.30	45.00	50.50	54.00	11.30	4.00	23.20
P055045125P5B	55.00	+0.08 / -0.00	55.00	45.00	12.50	20.50	45.00	52.00	54.00	12.50	4.00	23.35
P056040205P5B	56.00	+0.08 / -0.00	56.00	40.00	20.50	26.70	40.00	52.00	55.00	20.50	3.10	23.70
P060044184P5B	60.00	+0.08 / -0.00	60.00	44.00	18.40	31.10	44.00	55.40	58.70	18.40	6.35	24.55
P060044205P5B	60.00	+0.08 / -0.00	60.00	44.00	20.50	26.70	44.00	56.00	59.00	20.50	3.10	24.90
P060048205P5B	60.00	+0.08 / -0.00	60.00	48.00	20.50	28.90	48.00	56.00	59.40	20.50	4.20	25.10
P063047184P5B	63.00	+0.08 / -0.00	63.00	47.00	18.40	31.10	47.00	58.40	61.50	18.40	6.35	25.25
P063047194P5B	63.00	+0.08 / -0.00	63.00	47.00	19.40	32.10	47.00	58.40	61.70	19.40	6.35	25.60
P063047205P5B	63.00	+0.08 / -0.00	63.00	47.00	20.50	26.70	47.00	59.00	62.00	20.50	3.10	25.75
P063048200P5B	63.00	+0.08 / -0.00	63.00	48.00	20.00	30.00	48.00	59.00	61.50	20.00	5.00	25.80
P063051205P5B	63.00	+0.08 / -0.00	63.00	51.00	20.50	28.90	51.00	59.00	62.40	20.50	4.20	25.90
P063053113P5B	63.00	+0.08 / -0.00	63.00	53.00	11.30	19.30	53.00	58.50	61.50	11.30	4.00	26.00
P065049205P5B	65.00	+0.08 / -0.00	65.00	49.00	20.50	26.70	49.00	61.00	64.00	20.50	3.10	26.10
P065049320P5B	65.00	+0.08 / -0.00	65.00	49.00	32.00	44.70	49.00	58.70	62.80	32.00	6.35	26.20
P065050184P5B	65.00	+0.08 / -0.00	65.00	50.00	18.40	31.10	50.00	60.41	63.64	18.40	6.35	26.25

P5B SERIES - NBR/PA/POLYESTER

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1 +.00/ -.08	d2 +.12/ -.12	P +.10/ -.10	h1 +.20/ -.00	W +.10/ -.00	
P070050224P5B	70.00	+0.08 / -0.00	70.00	50.00	22.40	35.10	50.00	64.20	68.30	22.40	6.35	26.80
P070055200P5B	70.00	+0.08 / -0.00	70.00	55.00	20.00	30.00	55.00	66.00	68.50	20.00	5.00	27.25
P070058205P5B	70.00	+0.08 / -0.00	70.00	58.00	20.50	28.90	58.00	66.00	69.40	20.50	4.20	27.40
P075055224P5B	75.00	+0.08 / -0.00	75.00	55.00	22.40	35.10	55.00	69.20	73.30	22.40	6.35	28.45
P075059205P5B	75.00	+0.08 / -0.00	75.00	59.00	20.50	26.70	59.00	71.00	74.00	20.50	3.10	29.80
P080060224P5B	80.00	+0.10 / -0.00	80.00	60.00	22.40	35.10	60.00	74.20	78.30	22.40	6.35	30.45
P080060250P5B	80.00	+0.10 / -0.00	80.00	60.00	25.00	37.70	60.00	75.00	78.00	25.00	6.35	30.65
P080062225P5B	80.00	+0.10 / -0.00	80.00	62.00	22.50	29.70	62.00	76.00	79.00	22.50	3.60	31.90
P080065200P5B	80.00	+0.10 / -0.00	80.00	65.00	20.00	30.00	65.00	76.00	78.50	20.00	5.00	32.95
P080066225P5B	80.00	+0.10 / -0.00	80.00	66.00	22.50	32.90	66.00	76.00	79.40	22.50	5.20	33.25
P080070113P5B	80.00	+0.10 / -0.00	80.00	70.00	11.30	19.30	70.00	75.50	78.50	11.30	4.00	34.00
P085065224P5B	85.00	+0.10 / -0.00	85.00	65.00	22.40	35.10	65.00	79.20	88.30	22.40	6.35	35.15
P085065350P5B	85.00	+0.10 / -0.00	85.00	65.00	35.00	54.00	65.00	77.62	82.54	35.00	9.50	35.20
P085075200P5B	85.00	+0.10 / -0.00	85.00	75.00	20.00	28.00	75.00	81.00	83.34	20.00	4.00	35.40
P090070220P5B	90.00	+0.10 / -0.00	90.00	70.00	22.00	34.70	70.00	84.15	88.31	22.00	6.35	35.60
P090070224P5B	90.00	+0.10 / -0.00	90.00	70.00	22.40	35.10	70.00	84.20	88.30	22.40	6.35	35.80
P090070350P5B	90.00	+0.10 / -0.00	90.00	70.00	35.00	54.00	70.00	82.58	87.55	35.00	9.50	35.90
P090072225P5B	90.00	+0.10 / -0.00	90.00	72.00	22.50	29.70	72.00	86.00	89.00	22.50	3.60	35.95
P090074320P5B	90.00	+0.10 / -0.00	90.00	74.00	32.00	51.00	74.00	82.87	87.79	32.00	9.50	36.10
P090075200P5B	90.00	+0.10 / -0.00	90.00	75.00	20.00	30.00	75.00	86.00	88.50	20.00	5.00	36.20
P090076225P5B	90.00	+0.10 / -0.00	90.00	76.00	22.50	32.90	76.00	86.00	89.40	22.50	5.20	36.35
P092082125P5B	92.00	+0.10 / -0.00	92.00	82.00	12.50	25.20	82.00	88.04	90.80	12.50	6.35	36.55
P095075224P5B	95.00	+0.10 / -0.00	95.00	75.00	22.40	35.10	75.00	89.00	93.30	22.40	6.35	37.95
P100075220P5B	100.00	+0.10 / -0.00	100.00	75.00	22.00	34.70	75.00	93.13	98.05	22.00	6.35	38.30
P100075224P5B	100.00	+0.10 / -0.00	100.00	75.00	22.40	35.10	75.00	93.20	98.00	22.40	6.35	38.80
P100080250P5B	100.00	+0.10 / -0.00	100.00	80.00	25.00	37.60	80.00	95.00	98.00	25.00	6.30	39.50
P100082225P5B	100.00	+0.10 / -0.00	100.00	82.00	22.50	29.70	82.00	96.00	99.00	22.50	3.60	39.80
P100085200P5B	100.00	+0.10 / -0.00	100.00	85.00	20.00	30.00	85.00	96.00	98.50	20.00	5.00	40.30
P100086200P5B	100.00	+0.10 / -0.00	100.00	86.00	20.00	30.00	86.00	96.00	99.40	20.00	5.00	40.60
P100086225P5B	100.00	+0.10 / -0.00	100.00	86.00	22.50	32.90	86.00	96.00	99.40	22.50	5.20	40.80
P100087142P5B	100.00	+0.10 / -0.00	100.00	87.00	14.20	26.20	87.00	93.80	98.50	14.20	6.00	40.95
P105080224P5B	105.00	+0.10 / -0.00	105.00	80.00	22.40	35.10	80.00	98.10	103.00	22.40	6.35	41.05
P105092143P5B	105.00	+0.10 / -0.00	105.00	92.50	14.30	25.00	92.50	98.80	103.40	14.30	5.35	41.40
P110085254P5B	110.00	+0.10 / -0.00	110.00	85.00	25.40	38.10	85.00	103.10	108.00	25.40	6.35	41.95
P110090254P5B	110.00	+0.10 / -0.00	110.00	90.00	25.40	38.10	90.00	104.10	108.30	25.30	6.35	42.20
P110092225P5B	110.00	+0.10 / -0.00	110.00	92.00	22.50	29.70	92.00	106.00	109.00	22.50	3.60	42.30
P110095200P5B	110.00	+0.10 / -0.00	110.00	95.00	20.00	30.00	95.00	106.00	108.50	20.00	5.00	42.60
P110096225P5B	110.00	+0.10 / -0.00	110.00	96.00	22.50	32.90	96.00	106.00	109.40	22.50	5.20	42.75
P115090224P5B	115.00	+0.10 / -0.00	115.00	90.00	22.40	35.10	90.00	108.10	113.00	22.40	6.35	43.55
P115097225P5B	115.00	+0.10 / -0.00	115.00	97.00	22.50	29.70	97.00	111.00	114.00	22.50	3.60	44.00
P120095224P5B	120.00	+0.10 / -0.00	120.00	95.00	22.40	35.10	95.00	113.00	118.00	22.40	6.35	45.10
P120106225P5B	120.00	+0.10 / -0.00	120.00	106.00	22.50	32.90	106.00	116.00	119.40	22.50	5.20	46.30
P125100254P5B	125.00	+0.10 / -0.00	125.00	100.00	25.40	38.10	100.00	118.00	123.00	25.40	6.35	46.60
P125100320P5B	125.00	+0.10 / -0.00	125.00	100.00	32.00	52.00	100.00	119.00	123.00	32.00	10.00	47.15
P125103265P5B	125.00	+0.10 / -0.00	125.00	103.00	26.50	36.70	103.00	121.00	124.00	26.50	5.10	47.85
P125105254P5B	125.00	+0.10 / -0.00	125.00	105.00	25.40	38.10	105.00	119.00	123.30	25.40	6.35	49.35
P125108265P5B	125.00	+0.10 / -0.00	125.00	108.00	26.50	40.90	108.00	121.00	124.40	26.50	7.20	50.15
P125112143P5B	125.00	+0.10 / -0.00	125.00	112.00	14.30	26.30	112.00	118.80	123.50	14.30	6.00	50.70

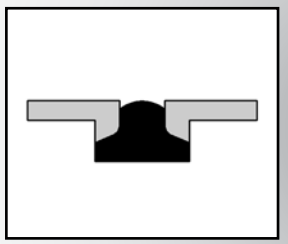
P5B SERIES - NBR/PA/POLYESTER

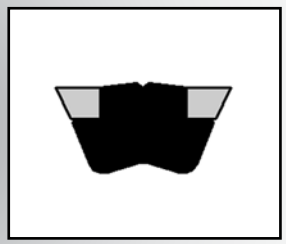
Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1 +.00/ -.08	d2 +.12/ -.12	P +.10/ -.10	h1 +.20/ -.00	W +.10/ -.00	
P130105254P5B-A130.00	130.00	+0.10 / -0.00	130.00	105.00	25.40	44.40	105.00	122.60	127.50	25.40	9.50	51.30
P130105254P5B	130.00	+0.10 / -0.00	130.00	105.00	25.40	38.10	105.00	122.60	128.00	25.40	6.35	52.00
P130110254P5B	130.00	+0.10 / -0.00	130.00	110.00	25.40	38.10	110.00	125.00	128.00	25.40	6.35	52.75
P135110254P5B	135.00	+0.10 / -0.00	135.00	110.00	25.40	38.10	110.00	128.10	133.00	25.40	6.35	53.75
P140115254P5B	140.00	+0.10 / -0.00	140.00	115.00	25.40	38.10	115.00	133.00	138.00	25.40	6.35	54.35
P140115254P5B-A140.00	140.00	+0.10 / -0.00	140.00	115.00	25.40	44.40	115.00	132.60	137.50	25.40	9.50	55.00
P140115320P5B	140.00	+0.10 / -0.00	140.00	115.00	32.00	52.00	115.00	134.00	138.00	32.00	10.00	55.60
P140118265P5B	140.00	+0.10 / -0.00	140.00	118.00	26.50	36.70	118.00	136.00	139.00	26.50	5.10	55.85
P140120250P5B	140.00	+0.10 / -0.00	140.00	120.00	25.00	37.70	120.00	135.00	138.00	25.00	6.35	56.25
P140120265P5B	140.00	+0.10 / -0.00	140.00	120.00	26.50	39.10	120.00	135.00	138.00	26.50	6.30	56.70
P140123265P5B	140.00	+0.10 / -0.00	140.00	123.00	26.50	40.90	123.00	136.00	139.40	26.50	7.20	57.10
P145120254P5B	145.00	+0.10 / -0.00	145.00	120.00	25.40	38.10	120.00	137.60	142.50	25.40	6.35	58.15
P145120254P5B-A145.00	145.00	+0.10 / -0.00	145.00	120.00	25.40	44.40	120.00	137.60	142.50	25.40	9.50	58.55
P145120265P5B	145.00	+0.10 / -0.00	145.00	120.00	26.50	36.70	120.00	138.30	143.00	26.50	5.10	58.80
P150125254P5B	150.00	+0.10 / -0.00	150.00	125.00	25.40	38.10	125.00	143.00	148.00	25.00	6.35	59.55
P150125254P5B-A150.00	150.00	+0.10 / -0.00	150.00	125.00	25.40	44.40	125.00	142.60	147.50	25.40	9.50	62.35
P150128265P5B	150.00	+0.10 / -0.00	150.00	128.00	26.50	36.70	128.00	146.00	149.00	26.50	5.10	63.15
P150130254P5B	150.00	+0.10 / -0.00	150.00	130.00	25.40	38.10	130.00	144.10	148.30	25.40	6.35	63.90
P150133265P5B	150.00	+0.10 / -0.00	150.00	133.00	26.50	40.90	133.00	146.00	149.40	26.50	7.20	64.50
P155130254P5B	155.00	+0.10 / -0.00	155.00	130.00	25.40	38.10	130.00	147.60	152.50	25.40	6.35	65.80
P155130254P5B-A155.00	155.00	+0.10 / -0.00	155.00	130.00	25.40	44.40	130.00	147.60	152.50	25.40	9.50	66.90
P160130254P5B	160.00	+0.10 / -0.00	160.00	130.00	25.40	38.10	130.00	153.00	157.90	25.40	6.35	67.30
P160130254P5B-A160.00	160.00	+0.10 / -0.00	160.00	130.00	25.40	44.40	130.00	153.00	157.90	25.40	9.50	67.80
P160135254P5B	160.00	+0.10 / -0.00	160.00	135.00	25.40	44.40	135.00	152.60	157.50	25.40	9.50	68.50
P160135320P5B	160.00	+0.10 / -0.00	160.00	135.00	32.00	52.00	135.00	154.00	158.00	32.00	10.00	69.25
P160138265P5B	160.00	+0.10 / -0.00	160.00	138.00	26.50	36.70	138.00	156.00	159.00	26.50	5.10	69.90
P160140250P5B	160.00	+0.10 / -0.00	160.00	140.00	25.00	37.60	140.00	155.00	158.00	25.00	6.30	70.20
P160140250P5B-A160.00	160.00	+0.10 / -0.00	160.00	140.00	25.00	50.00	140.00	151.40	158.50	25.00	12.50	70.90
P160143265P5B	160.00	+0.10 / -0.00	160.00	143.00	26.50	40.90	143.00	156.00	159.40	26.50	7.20	71.15
P165140254P5B	165.00	+0.10 / -0.00	165.00	140.00	25.40	38.10	140.00	159.66	163.00	25.00	6.35	74.15
P165140254P5B-A165.00	165.00	+0.10 / -0.00	165.00	140.00	25.40	44.40	140.00	157.60	162.50	25.00	9.50	76.85
P170140254P5B	170.00	+0.10 / -0.00	170.00	140.00	25.40	38.10	140.00	163.00	168.00	25.40	6.35	79.75
P170145250P5B	170.00	+0.10 / -0.00	170.00	145.00	25.00	37.70	145.00	162.98	167.60	25.00	6.35	81.45
P170145250P5B-A170.00	170.00	+0.10 / -0.00	170.00	145.00	25.00	50.40	145.00	161.70	167.10	25.00	12.70	84.40
P170145254P5B	170.00	+0.10 / -0.00	170.00	145.00	25.40	50.80	145.00	161.70	167.10	25.40	12.70	85.35
P170148265P5B	170.00	+0.10 / -0.00	170.00	148.00	26.50	36.70	148.00	166.00	169.00	26.50	5.10	86.85
P175150254P5B	175.00	+0.13 / -0.00	175.00	150.00	25.40	50.80	150.00	166.70	172.10	25.40	12.70	87.50
P180150354P5B	180.00	+0.13 / -0.00	180.00	150.00	35.40	48.10	150.00	173.00	177.32	35.40	6.35	89.10
P180150360P5B	180.00	+0.13 / -0.00	180.00	150.00	36.00	61.00	150.00	172.00	178.00	36.00	12.50	90.40
P180155254P5B	180.00	+0.13 / -0.00	180.00	155.00	25.40	50.80	155.00	171.70	177.70	25.40	12.70	93.45
P180158265P5B	180.00	+0.13 / -0.00	180.00	158.00	26.50	36.70	158.00	176.00	179.00	26.50	5.10	96.25
P180163265P5B	180.00	+0.13 / -0.00	180.00	163.00	26.50	40.90	163.00	176.00	179.40	26.50	7.20	99.30
P185160254P5B	185.00	+0.13 / -0.00	185.00	160.00	25.40	50.80	160.00	176.70	182.50	25.40	12.70	102.15
P190165254P5B	190.00	+0.13 / -0.00	190.00	165.00	25.40	50.80	165.00	181.70	187.00	25.40	12.70	106.15
P190170300P5B	190.00	+0.13 / -0.00	190.00	170.00	30.00	42.70	170.00	183.00	188.00	30.00	6.35	110.20
P190170305P5B	190.00	+0.13 / -0.00	190.00	170.00	30.50	43.20	170.00	183.00	188.00	30.50	6.35	112.25
P195170254P5B	195.00	+0.13 / -0.00	195.00	170.00	25.40	50.80	170.00	186.70	192.00	25.40	12.70	114.10
P200170354P5B	200.00	+0.13 / -0.00	200.00	170.00	35.40	48.10	170.00	193.00	198.00	35.40	6.35	118.45

P5B SERIES - NBR/PA/POLYESTER

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1 +.00/ -.08	d2 +.12/ -.12	P +.10/ -.10	h1 +.20/ -.00	W +.10/ -.00	
P200170360P5B	200.00	+0.13 / -0.00	200.00	170.00	36.00	61.00	170.00	192.00	197.00	36.00	12.50	135.00
P200175254P5B	200.00	+0.13 / -0.00	200.00	175.00	25.40	50.80	175.00	191.60	197.00	25.40	12.70	150.75
P200175315P5B	200.00	+0.13 / -0.00	200.00	175.00	31.50	44.70	175.00	196.00	199.00	31.50	6.60	156.85
P200180315P5B	200.00	+0.13 / -0.00	200.00	180.00	31.50	49.90	180.00	196.00	199.40	31.50	9.20	166.15
P210185254P5B	210.00	+0.13 / -0.00	210.00	185.00	25.40	50.80	185.00	201.60	207.00	25.40	12.70	176.70
P220190315P5B	220.00	+0.13 / -0.00	220.00	190.00	31.50	49.90	190.00	213.00	218.00	31.50	9.20	186.65
P220190354P5B	220.00	+0.13 / -0.00	220.00	190.00	35.40	48.10	190.00	213.00	218.00	35.40	6.35	188.85
P220190360P5B	220.00	+0.13 / -0.00	220.00	190.00	36.00	61.00	190.00	212.00	217.00	36.00	12.50	191.45
P220195254P5B	220.00	+0.13 / -0.00	220.00	195.00	25.40	50.80	195.00	211.60	217.00	25.40	12.70	192.40
P225200254P5B	225.00	+0.13 / -0.00	225.00	200.00	25.40	50.80	200.00	216.60	222.32	25.40	12.70	194.65
P225200315P5B	225.00	+0.13 / -0.00	225.00	200.00	31.50	44.70	200.00	221.00	224.00	31.50	6.60	196.15
P230205254P5B	230.00	+0.13 / -0.00	230.00	205.00	25.40	50.80	205.00	221.60	227.00	25.40	12.70	196.90
P240215254P5B	240.00	+0.13 / -0.00	240.00	215.00	25.40	50.80	215.00	231.60	237.00	25.40	12.70	204.95
P250220354P5B	250.00	+0.13 / -0.00	250.00	220.00	35.40	48.10	220.00	243.00	248.00	35.40	6.35	213.65
P250220360P5B	250.00	+0.13 / -0.00	250.00	220.00	36.00	61.00	220.00	242.00	247.00	36.00	12.50	222.70
P250225254P5B	250.00	+0.13 / -0.00	250.00	225.00	25.40	50.80	225.00	241.60	247.00	25.40	12.70	296.50
P250225315P5B	250.00	+0.13 / -0.00	250.00	225.00	31.50	44.70	225.00	246.00	249.00	31.50	6.60	299.50
P250230315P5B	250.00	+0.13 / -0.00	250.00	230.00	31.50	49.90	230.00	246.00	249.40	31.50	9.20	302.10
P260235354P5B	260.00	+0.13 / -0.00	260.00	235.00	35.40	60.80	235.00	252.90	257.00	35.40	12.70	303.80
P275250315P5B	275.00	+0.15 / -0.00	275.00	250.00	31.50	44.70	250.00	271.00	274.00	31.50	6.60	308.70
P280250354P5B	280.00	+0.15 / -0.00	280.00	250.00	35.40	54.40	250.00	272.90	277.00	35.40	9.50	314.25
P280250360P5B	280.00	+0.15 / -0.00	280.00	250.00	36.00	61.00	250.00	272.00	277.00	36.00	12.50	318.30
P280250364P5B	280.00	+0.15 / -0.00	280.00	250.00	36.40	56.40	250.00	273.00	278.00	36.40	10.00	322.25
P300275315P5B	300.00	+0.15 / -0.00	300.00	275.00	31.50	44.70	275.00	296.00	299.00	31.50	6.60	364.15
P320290364P5B	320.00	+0.15 / -0.00	320.00	290.00	36.40	61.40	290.00	312.00	317.00	36.40	12.50	435.90

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

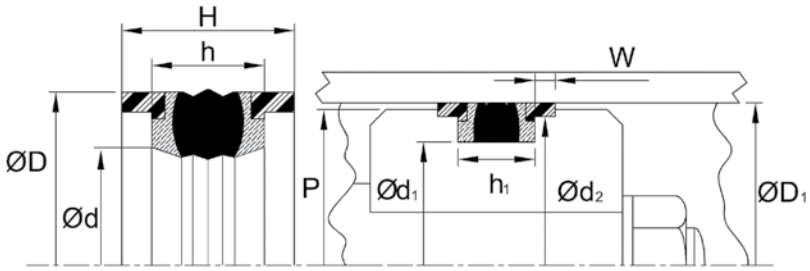




P5B-1 - Piston Seals

Nitrile/Polyamide/Polyester





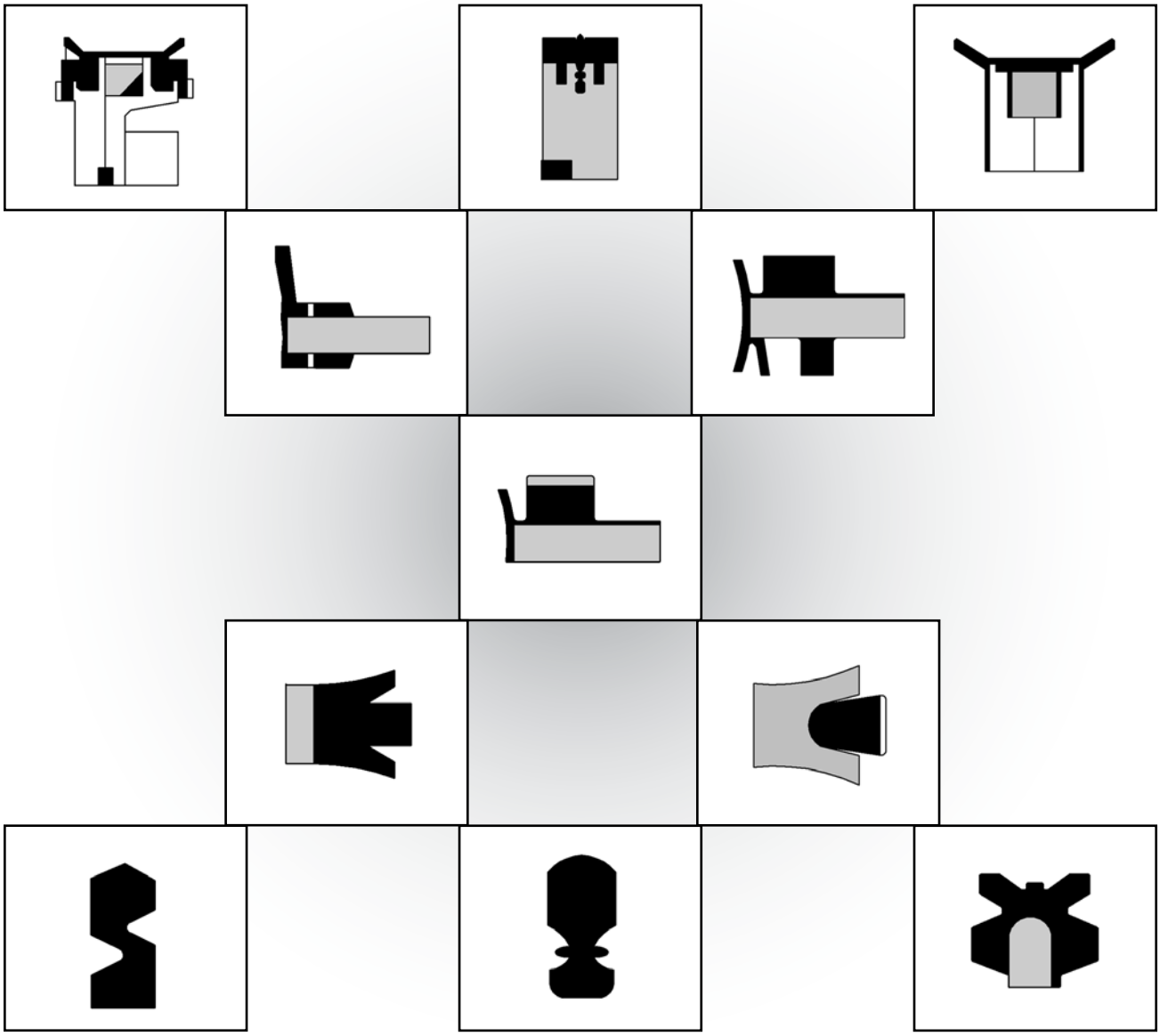
Temperature: -22/212F [-30/100C] **Pressure: 10000 PSI [690 BAR]**

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
							d1	d2	P	h1	W	
		Tol.	D	d	h	H	+.00/ -.08	+.12/ -.12	+.10/ -.10	+.20/ -.00	+.10/ -.00	
P045029320P5B-1	45.00	+0.08 / -0.00	45.00	29.00	32.00	44.70	29.00	38.80	42.85	32.00	6.35	48.45
P050034320P5B-1	50.00	+0.08 / -0.00	50.00	34.00	32.00	44.70	34.00	43.77	47.85	32.00	6.35	48.45
P055040320P5B-1	55.00	+0.08 / -0.00	55.00	40.00	32.00	44.70	40.00	48.77	52.85	32.00	6.35	48.95
P060044320P5B-1	60.00	+0.08 / -0.00	60.00	44.00	32.00	44.70	44.00	53.80	57.80	32.00	6.35	51.10
P063047320P5B-1	63.00	+0.08 / -0.00	63.00	47.00	32.00	44.70	47.00	56.74	60.81	32.00	6.35	53.25
P070050350P5B-1	70.00	+0.08 / -0.00	70.00	50.00	35.00	54.00	50.00	62.61	67.54	35.00	9.50	53.70
P075055350P5B-1	75.00	+0.08 / -0.00	75.00	55.00	35.00	54.00	55.00	67.70	72.54	35.00	9.50	56.15
P080060350P5B-1	80.00	+0.10 / -0.00	80.00	60.00	35.00	54.00	60.00	72.62	77.54	35.00	9.50	58.65
P080064320P5B-1	80.00	+0.10 / -0.00	80.00	64.00	32.00	51.00	64.00	72.62	77.52	32.00	9.50	60.65
P085065350P5B-1	85.00	+0.10 / -0.00	85.00	65.00	35.00	54.00	65.00	77.62	82.54	35.00	9.50	62.40
P090070350P5B-1	90.00	+0.10 / -0.00	90.00	70.00	35.00	54.00	70.00	82.58	87.55	35.00	9.50	63.45
P090074320P5B-1	90.00	+0.10 / -0.00	90.00	74.00	32.00	51.00	74.00	82.87	87.79	32.00	9.50	65.45
P095075350P5B-1	95.00	+0.10 / -0.00	95.00	75.00	35.00	54.00	75.00	87.60	92.50	35.00	9.50	66.90
P100080350P5B-1	100.00	+0.10 / -0.00	100.00	80.00	35.00	54.00	80.00	92.61	97.51	35.00	9.50	68.35
P110085450P5B-1	110.00	+0.10 / -0.00	110.00	85.00	45.00	70.40	85.00	101.78	107.31	45.00	12.70	78.05
P110090350P5B-1	110.00	+0.10 / -0.00	110.00	90.00	35.00	54.00	90.00	102.70	107.51	35.00	9.50	83.10
P115090450P5B-1	115.00	+0.10 / -0.00	115.00	90.00	45.00	70.40	90.00	106.82	112.33	45.00	12.70	87.75
P120095450P5B-1	120.00	+0.10 / -0.00	120.00	95.00	45.00	70.40	95.00	111.82	117.33	45.00	12.70	90.00
P120100350P5B-1	120.00	+0.10 / -0.00	120.00	100.00	35.00	54.00	100.00	112.80	117.51	35.00	9.50	93.00
P125100450P5B-1	125.00	+0.10 / -0.00	125.00	100.00	45.00	70.40	100.00	116.82	122.33	45.00	12.70	95.80
P130105450P5B-1	130.00	+0.10 / -0.00	130.00	105.00	45.00	70.40	105.00	121.82	127.33	45.00	12.70	97.45
P130110350P5B-1	130.00	+0.10 / -0.00	130.00	110.00	35.00	54.00	110.00	122.70	127.33	35.00	9.50	98.60
P135110450P5B-1	135.00	+0.10 / -0.00	135.00	110.00	45.00	70.40	110.00	126.82	132.33	45.00	12.70	100.70
P140115450P5B-1	140.00	+0.10 / -0.00	140.00	115.00	45.00	70.40	115.00	131.70	137.36	45.00	12.70	102.30
P140120350P5B-1	140.00	+0.10 / -0.00	140.00	120.00	35.00	54.00	120.00	132.70	137.30	35.00	9.50	107.60
P145120450P5B-1	145.00	+0.10 / -0.00	145.00	120.00	45.00	70.40	120.00	136.72	142.30	45.00	12.70	112.15
P150125450P5B-1	150.00	+0.10 / -0.00	150.00	125.00	45.00	70.40	125.00	141.71	147.32	45.00	12.70	117.20
P160135450P5B-1	160.00	+0.10 / -0.00	160.00	135.00	45.00	70.40	135.00	151.72	157.10	45.00	12.70	126.90
P170140450P5B-1	170.00	+0.10 / -0.00	170.00	140.00	45.00	70.40	140.00	163.00	167.87	45.00	12.70	141.40
P180155450P5B-1	180.00	+0.13 / -0.00	180.00	155.00	45.00	70.40	155.00	171.63	177.32	45.00	12.70	146.30
P185160450P5B-1	185.00	+0.13 / -0.00	185.00	160.00	45.00	70.40	160.00	176.72	182.10	45.00	12.70	156.20
P190165450P5B-1	190.00	+0.13 / -0.00	190.00	165.00	45.00	70.40	165.00	181.72	187.10	45.00	12.70	165.70
P200170354P5B-1	200.00	+0.13 / -0.00	200.00	170.00	35.40	60.80	170.00	192.90	197.33	35.00	6.35	168.55
P200175450P5B-1	200.00	+0.13 / -0.00	200.00	175.00	45.00	70.40	175.00	191.64	197.33	45.00	12.70	170.55
P210185450P5B-1	210.00	+0.13 / -0.00	210.00	185.00	45.00	70.40	185.00	201.60	207.10	45.00	12.70	180.70
P220195450P5B-1	220.00	+0.13 / -0.00	220.00	195.00	45.00	70.40	195.00	211.60	217.10	45.00	12.70	185.45
P225200450P5B-1	225.00	+0.13 / -0.00	225.00	200.00	45.00	70.40	200.00	216.60	222.32	45.00	12.70	188.00
P230205450P5B-1	230.00	+0.13 / -0.00	230.00	205.00	45.00	70.40	205.00	221.72	227.10	45.00	12.70	190.05

P5B-1 SERIES - NBR/PA/POLYESTER

Ref.Number	Bore diameter		Nominal Seal Dimensions				Housing Dimensions					$
		Tol.	D	d	h	H	d1 +.00/ -.08	d2 +.12/ -.12	P +.10/ -.10	h1 +.20/ -.00	W +.10/ -.00	
P240215450P5B-1	240.00	+0.13 / -0.00	240.00	215.00	45.00	70.40	215.00	231.72	237.10	45.00	12.70	195.15
P250225450P5B-1	250.00	+0.13 / -0.00	250.00	225.00	45.00	70.40	225.00	241.50	247.32	45.00	12.70	209.65
P260235450P5B-1	260.00	+0.13 / -0.00	260.00	235.00	45.00	70.40	235.00	251.72	257.10	45.00	12.70	219.30
P270245450P5B-1	270.00	+0.13 / -0.00	270.00	245.00	45.00	70.40	245.00	261.72	267.10	45.00	12.70	272.80
P280255450P5B-1	280.00	+0.15 / -0.00	280.00	255.00	45.00	70.40	255.00	271.60	277.32	45.00	12.70	282.80
P290265450P5B-1	290.00	+0.15 / -0.00	290.00	265.00	45.00	70.40	265.00	281.72	287.10	45.00	12.70	326.80
P300275450P5B-1	300.00	+0.15 / -0.00	300.00	275.00	45.00	70.40	275.00	291.72	297.10	45.00	12.70	341.05
P350325450P5B-1	350.00	+0.15 / -0.00	350.00	325.00	45.00	70.40	325.00	341.72	347.10	45.00	12.70	550.95
P360335445P5B-1	360.00	+0.15 / -0.00	360.00	335.00	44.50	69.90	335.00	351.76	357.33	44.50	12.70	O/R

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

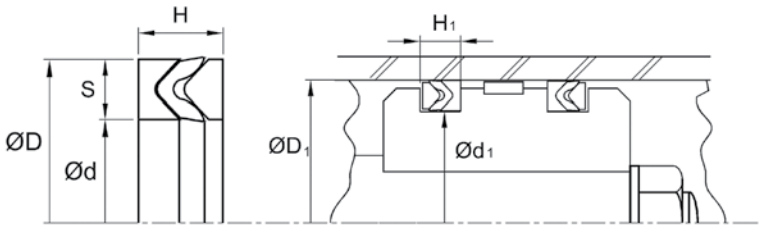


	V1	M	2
	V3	M	3

V1 - Vee Pakings

Neofab/Polyamide/Nitrile





Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [413 Bar]**

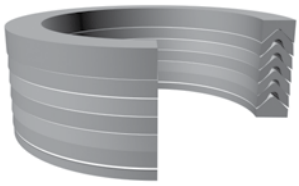
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	D1	Tol.	d1	Tol.	H1	Tol.	
V010020093V1	20.00	+0.08 / -0.00	20.00	10.00		20.00	+0.08 / -0.00	10.00	+0.00 / -0.04	9.30	+0.30 / -0.00	33.05
V012022093V1	22.00	+0.08 / -0.00	22.00	12.00		22.00	+0.08 / -0.00	12.00	+0.00 / -0.04	9.30	+0.30 / -0.00	33.05
V015025093V1	25.00	+0.08 / -0.00	25.00	15.00		25.00	+0.08 / -0.00	15.00	+0.00 / -0.04	9.30	+0.30 / -0.00	33.05
V018028093V1	28.00	+0.08 / -0.00	28.00	18.00		28.00	+0.08 / -0.00	18.00	+0.00 / -0.04	9.30	+0.30 / -0.00	33.05
V020030093V1	30.00	+0.08 / -0.00	30.00	20.00		30.00	+0.08 / -0.00	20.00	+0.00 / -0.05	9.30	+0.30 / -0.00	36.65
V020032109V1	32.00	+0.08 / -0.00	32.00	20.00		32.00	+0.08 / -0.00	20.00	+0.00 / -0.05	10.90	+0.30 / -0.00	36.65
V023035109V1	35.00	+0.08 / -0.00	35.00	23.00		35.00	+0.08 / -0.00	23.00	+0.00 / -0.05	10.90	+0.30 / -0.00	36.65
V024036109V1	36.00	+0.08 / -0.00	36.00	24.00		36.00	+0.08 / -0.00	24.00	+0.00 / -0.05	10.90	+0.30 / -0.00	36.65
V025040115V1	40.00	+0.08 / -0.00	40.00	25.00		40.00	+0.08 / -0.00	25.00	+0.00 / -0.05	11.50	+0.30 / -0.00	40.35
V041056115V1	41.00	+0.08 / -0.00	41.00	56.00		41.00	+0.08 / -0.00	56.00	+0.00 / -0.07	11.50	+0.30 / -0.00	40.35
V027042115V1	42.00	+0.08 / -0.00	42.00	27.00		42.00	+0.08 / -0.00	27.00	+0.00 / -0.05	11.50	+0.30 / -0.00	40.35
V030045115V1	45.00	+0.08 / -0.00	45.00	30.00		45.00	+0.08 / -0.00	30.00	+0.00 / -0.05	11.50	+0.30 / -0.00	40.35
V045052120V1	45.00	+0.08 / -0.00	45.00	52.00		45.00	+0.08 / -0.00	52.00	+0.00 / -0.07	12.50	+0.30 / -0.00	O/R
V045055152V1	45.00	+0.08 / -0.00	45.00	55.00		45.00	+0.08 / -0.00	55.00	+0.00 / -0.07	15.20	+0.30 / -0.00	O/R
V035050115V1	50.00	+0.08 / -0.00	50.00	35.00		50.00	+0.08 / -0.00	35.00	+0.00 / -0.06	11.50	+0.30 / -0.00	40.35
V050065115V1	50.00	+0.08 / -0.00	50.00	65.00		50.00	+0.08 / -0.00	65.00	+0.00 / -0.07	11.50	+0.30 / -0.00	O/R
V040055115V1	55.00	+0.08 / -0.00	55.00	40.00		55.00	+0.08 / -0.00	40.00	+0.00 / -0.06	11.50	+0.30 / -0.00	40.35
V045060115V1	60.00	+0.08 / -0.00	60.00	45.00		60.00	+0.08 / -0.00	45.00	+0.00 / -0.06	11.50	+0.30 / -0.00	40.35
V048063130V1	63.00	+0.08 / -0.00	63.00	48.00		63.00	+0.08 / -0.00	48.00	+0.00 / -0.07	13.00	+0.30 / -0.00	40.35
V050070152V1	70.00	+0.08 / -0.00	70.00	50.00		70.00	+0.08 / -0.00	50.00	+0.00 / -0.07	15.20	+0.30 / -0.00	51.35
V060080152V1	80.00	+0.10 / -0.00	80.00	60.00		80.00	+0.10 / -0.00	60.00	+0.00 / -0.07	15.20	+0.30 / -0.00	51.35
V070090212V1	90.00	+0.10 / -0.00	90.00	70.00		90.00	+0.10 / -0.00	70.00	+0.00 / -0.07	21.20	+0.30 / -0.00	58.70
V095115212V1	95.00	+0.10 / -0.00	95.00	115.00		95.00	+0.10 / -0.00	115.00	+0.00 / -0.09	21.20	+0.30 / -0.00	69.70
V080100212V1	100.00	+0.10 / -0.00	100.00	80.00		100.00	+0.10 / -0.00	80.00	+0.00 / -0.07	21.20	+0.30 / -0.00	62.40
V090110212V1	110.00	+0.10 / -0.00	110.00	90.00		110.00	+0.10 / -0.00	90.00	+0.00 / -0.09	21.20	+0.30 / -0.00	62.40
V100125258V1	125.00	+0.10 / -0.00	125.00	100.00		125.00	+0.10 / -0.00	100.00	+0.00 / -0.09	25.80	+0.30 / -0.00	73.35
V115140258V1	140.00	+0.10 / -0.00	140.00	115.00		140.00	+0.10 / -0.00	115.00	+0.00 / -0.09	25.80	+0.30 / -0.00	91.70
V120150290V1	150.00	+0.10 / -0.00	150.00	120.00		150.00	+0.10 / -0.00	120.00	+0.00 / -0.09	29.00	+0.30 / -0.00	106.35
V130160290V1	160.00	+0.10 / -0.00	160.00	130.00		160.00	+0.10 / -0.00	130.00	+0.00 / -0.10	29.00	+0.30 / -0.00	126.40
V150180315V1	180.00	+0.13 / -0.00	180.00	150.00		180.00	+0.13 / -0.00	150.00	+0.00 / -0.10	31.50	+0.30 / -0.00	146.10
V165195335V1	195.00	+0.13 / -0.00	195.00	165.00		195.00	+0.13 / -0.00	165.00	+0.00 / -0.10	33.50	+0.30 / -0.00	172.50
V170200335V1	200.00	+0.13 / -0.00	200.00	170.00		200.00	+0.13 / -0.00	170.00	+0.00 / -0.10	33.50	+0.30 / -0.00	197.45
V180210335V1	210.00	+0.13 / -0.00	210.00	180.00		210.00	+0.13 / -0.00	180.00	+0.00 / -0.10	33.50	+0.30 / -0.00	228.70
V190220335V1	220.00	+0.13 / -0.00	220.00	190.00		220.00	+0.13 / -0.00	190.00	+0.00 / -0.11	33.50	+0.30 / -0.00	268.55
V195225335V1	225.00	+0.13 / -0.00	225.00	195.00		225.00	+0.13 / -0.00	195.00	+0.00 / -0.11	33.50	+0.30 / -0.00	276.40
V210240335V1	240.00	+0.13 / -0.00	240.00	210.00		240.00	+0.13 / -0.00	210.00	+0.00 / -0.11	33.50	+0.30 / -0.00	311.00
V220250335V1	250.00	+0.13 / -0.00	250.00	220.00		250.00	+0.13 / -0.00	220.00	+0.00 / -0.11	33.50	+0.30 / -0.00	323.80
V250280335V1	250.00	+0.15 / -0.00	250.00	220.00		250.00	+0.15 / -0.00	220.00	+0.00 / -0.11	33.50	+0.30 / -0.00	434.30

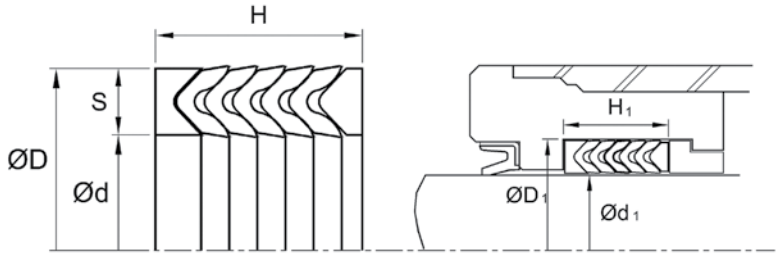
www.sealsonline.com

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions D	d	H	Housing Dimensions D1	Tol.	d1	Tol.	H1	Tol.	$
V230260360V1	260.00	+0.15 / -0.00	260.00	230.00		260.00	+0.15 / -0.00	230.00	+0.00 / -0.11	36.00	+0.30 / -0.00	O/R
V240270335V1	270.00	+0.15 / -0.00	270.00	240.00		270.00	+0.15 / -0.00	240.00	+0.00 / -0.11	33.50	+0.30 / -0.00	394.85
V245275335V1	275.00	+0.15 / -0.00	275.00	245.00		275.00	+0.15 / -0.00	245.00	+0.00 / -0.11	33.50	+0.30 / -0.00	414.60
V270300335V1	300.00	+0.15 / -0.00	300.00	270.00		300.00	+0.15 / -0.00	270.00	+0.00 / -0.13	33.50	+0.30 / -0.00	O/R
V280320415V1	320.00	+0.15 / -0.00	320.00	280.00		320.00	+0.15 / -0.00	280.00	+0.00 / -0.13	41.50	+0.30 / -0.00	O/R
V290320335V1	320.00	+0.15 / -0.00	320.00	290.00		320.00	+0.15 / -0.00	290.00	+0.00 / -0.13	33.50	+0.30 / -0.00	O/R
V330360415V1	330.00	+0.15 / -0.00	330.00	360.00		330.00	+0.15 / -0.00	360.00	+0.00 / -0.14	41.50	+0.30 / -0.00	O/R
V320360415V1	360.00	+0.15 / -0.00	360.00	320.00		360.00	+0.15 / -0.00	320.00	+0.00 / -0.14	41.50	+0.30 / -0.00	O/R
V350380335V1	380.00	+0.15 / -0.00	380.00	350.00		380.00	+0.15 / -0.00	350.00	+0.00 / -0.14	33.50	+0.30 / -0.00	O/R
V350390415V1	390.00	+0.15 / -0.00	390.00	350.00		390.00	+0.15 / -0.00	350.00	+0.00 / -0.13	41.50	+0.30 / -0.00	O/R
V360400415V1	400.00	+0.15 / -0.00	400.00	360.00		400.00	+0.15 / -0.00	360.00	+0.00 / -0.14	41.50	+0.30 / -0.00	O/R
V410450415V1	450.00	+0.15 / -0.00	450.00	410.00		450.00	+0.15 / -0.00	410.00	+0.00 / -0.15	41.50	+0.30 / -0.00	O/R
V460500415V1	500.00	+0.15 / -0.00	500.00	460.00		500.00	+0.15 / -0.00	460.00	+0.00 / -0.15	41.50	+0.30 / -0.00	O/R

V3 - Vee Packings

Neofab/Polyamide/Nitrile





Temperature: -22/212F [-30/100C] **Pressure: 6000 PSI [413 Bar]**

Ref.Number	Rod diameter	Tol.	Nominal Seal Dimensions D	d	H	Housing Dimensions d1	Tol.	D1	Tol.	H1	Tol.	$
V008018185V3	8.00	+0.00 / -0.04	8.00	18.00		8.00	+0.00 / -0.04	18.00	+0.11 / -0.00	18.50	+0.20 / -0.00	34.35
V010020185V3	10.00	+0.00 / -0.04	10.00	20.00		10.00	+0.00 / -0.04	20.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V012022185V3	12.00	+0.00 / -0.04	12.00	22.00		12.00	+0.00 / -0.04	22.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V012025143V3	12.00	+0.00 / -0.04	12.00	25.00		12.00	+0.00 / -0.04	25.00	+0.13 / -0.00	14.35	+0.20 / -0.00	34.35
V014024185V3	14.00	+0.00 / -0.04	14.00	24.00		14.00	+0.00 / -0.04	24.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V014025185V3	14.00	+0.00 / -0.04	14.00	25.00		14.00	+0.00 / -0.04	25.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V015025185V3	15.00	+0.00 / -0.04	15.00	25.00		15.00	+0.00 / -0.04	25.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V016026185V3	16.00	+0.00 / -0.04	16.00	26.00		16.00	+0.00 / -0.04	26.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V016029143V3	16.00	+0.00 / -0.04	16.00	29.00		16.00	+0.00 / -0.04	29.00	+0.13 / -0.00	14.35	+0.20 / -0.00	36.20
V018028185V3	18.00	+0.00 / -0.04	18.00	28.00		18.00	+0.00 / -0.04	28.00	+0.13 / -0.00	18.50	+0.20 / -0.00	34.35
V018031143V3	18.00	+0.00 / -0.04	18.00	31.00		18.00	+0.00 / -0.04	31.00	+0.16 / -0.00	14.35	+0.20 / -0.00	36.65
V020028145V3	20.00	+0.00 / -0.04	20.00	28.00		20.00	+0.00 / -0.04	28.00	+0.13 / -0.00	14.50	+0.20 / -0.00	34.35

V3 SERIES - NEO/PA/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V020030160V3	20.00	+0.00 / -0.04	20.00	30.00		20.00	+0.00 / -0.04	30.00	+0.13 / -0.00	16.00	+0.20 / -0.00	36.65
V020030185V3	20.00	+0.00 / -0.04	20.00	30.00		20.00	+0.00 / -0.04	30.00	+0.13 / -0.00	18.50	+0.20 / -0.00	36.20
V020030215V3	20.00	+0.00 / -0.04	20.00	30.00		20.00	+0.00 / -0.04	30.00	+0.13 / -0.00	21.50	+0.20 / -0.00	36.20
V020032225V3	20.00	+0.00 / -0.04	20.00	32.00		20.00	+0.00 / -0.04	32.00	+0.16 / -0.00	22.50	+0.20 / -0.00	36.65
V020033143V3	20.00	+0.00 / -0.04	20.00	33.00		20.00	+0.00 / -0.04	33.00	+0.16 / -0.00	14.35	+0.20 / -0.00	36.65
V020033169V3	20.00	+0.00 / -0.04	20.00	33.00		20.00	+0.00 / -0.04	33.00	+0.16 / -0.00	16.90	+0.20 / -0.00	36.20
V020040175V3	20.00	+0.00 / -0.04	20.00	40.00		20.00	+0.00 / -0.04	40.00	+0.16 / -0.00	17.50	+0.20 / -0.00	43.65
V022030145V3	22.00	+0.00 / -0.04	22.00	30.00		22.00	+0.00 / -0.04	30.00	+0.13 / -0.00	14.50	+0.20 / -0.00	34.35
V022032160V3	22.00	+0.00 / -0.04	22.00	32.00		22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	16.00	+0.20 / -0.00	36.65
V022032185V3	22.00	+0.00 / -0.04	22.00	32.00		22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	18.50	+0.20 / -0.00	36.65
V022032200V3	22.00	+0.00 / -0.04	22.00	32.00		22.00	+0.00 / -0.04	32.00	+0.16 / -0.00	20.00	+0.20 / -0.00	36.65
V022034225V3	22.00	+0.00 / -0.04	22.00	34.00		22.00	+0.00 / -0.04	34.00	+0.16 / -0.00	22.50	+0.20 / -0.00	36.65
V025033145V3	25.00	+0.00 / -0.04	25.00	33.00		25.00	+0.00 / -0.04	33.00	+0.16 / -0.00	14.50	+0.20 / -0.00	34.35
V025035160V3	25.00	+0.00 / -0.04	25.00	35.00		25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	16.00	+0.20 / -0.00	36.65
V025035173V3	25.00	+0.00 / -0.04	25.00	35.00		25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	17.30	+0.20 / -0.00	36.20
V025035225V3	25.00	+0.00 / -0.04	25.00	35.00		25.00	+0.00 / -0.04	35.00	+0.16 / -0.00	22.50	+0.20 / -0.00	50.00
V025037225V3	25.00	+0.00 / -0.04	25.00	37.00		25.00	+0.00 / -0.04	37.00	+0.16 / -0.00	22.50	+0.20 / -0.00	38.35
V025040175V3	25.00	+0.00 / -0.04	25.00	40.00		25.00	+0.00 / -0.04	40.00	+0.16 / -0.00	17.50	+0.20 / -0.00	39.00
V025040225V3	25.00	+0.00 / -0.04	25.00	40.00		25.00	+0.00 / -0.04	40.00	+0.16 / -0.00	22.50	+0.20 / -0.00	39.30
V025042250V3	25.00	+0.00 / -0.04	25.00	42.00		25.00	+0.00 / -0.04	42.00	+0.16 / -0.00	25.00	+0.20 / -0.00	43.85
V026045295V3	26.00	+0.00 / -0.04	26.00	45.00		26.00	+0.00 / -0.04	45.00	+0.16 / -0.00	29.50	+0.20 / -0.00	39.00
V028038160V3	28.00	+0.00 / -0.04	28.00	38.00		28.00	+0.00 / -0.04	38.00	+0.16 / -0.00	16.00	+0.20 / -0.00	38.00
V028040170V3	28.00	+0.00 / -0.04	28.00	40.00		28.00	+0.00 / -0.04	40.00	+0.16 / -0.00	17.00	+0.20 / -0.00	39.30
V028040225V3	28.00	+0.00 / -0.04	28.00	40.00		28.00	+0.00 / -0.04	40.00	+0.16 / -0.00	22.50	+0.20 / -0.00	39.30
V028043225V3	28.00	+0.00 / -0.04	28.00	43.00		28.00	+0.00 / -0.04	43.00	+0.16 / -0.00	22.50	+0.20 / -0.00	43.85
V028043250V3	28.00	+0.00 / -0.04	28.00	43.00		28.00	+0.00 / -0.04	43.00	+0.16 / -0.00	25.00	+0.20 / -0.00	43.70
V028044175V3	28.00	+0.00 / -0.04	28.00	44.00		28.00	+0.00 / -0.04	44.00	+0.16 / -0.00	17.50	+0.20 / -0.00	43.85
V028044235V3	28.00	+0.00 / -0.04	28.00	44.00		28.00	+0.00 / -0.04	44.00	+0.16 / -0.00	23.50	+0.20 / -0.00	43.85
V030040215V3	30.00	+0.00 / -0.04	30.00	40.00		30.00	+0.00 / -0.04	40.00	+0.16 / -0.00	21.50	+0.20 / -0.00	43.85
V030042225V3	30.00	+0.00 / -0.04	30.00	42.00		30.00	+0.00 / -0.04	42.00	+0.16 / -0.00	22.50	+0.20 / -0.00	40.45
V030045225V3	30.00	+0.00 / -0.04	30.00	45.00		30.00	+0.00 / -0.04	45.00	+0.16 / -0.00	22.50	+0.20 / -0.00	43.85
V030050275V3	30.00	+0.00 / -0.04	30.00	50.00		30.00	+0.00 / -0.04	50.00	+0.16 / -0.00	27.50	+0.20 / -0.00	43.85
V030050295V3	30.00	+0.00 / -0.04	30.00	50.00		30.00	+0.00 / -0.04	50.00	+0.16 / -0.00	29.50	+0.20 / -0.00	43.85
V032042160V3	32.00	+0.00 / -0.04	32.00	42.00		32.00	+0.00 / -0.04	42.00	+0.16 / -0.00	16.00	+0.20 / -0.00	44.55
V032042173V3	32.00	+0.00 / -0.04	32.00	42.00		32.00	+0.00 / -0.04	42.00	+0.16 / -0.00	17.30	+0.20 / -0.00	43.85
V032044225V3	32.00	+0.00 / -0.04	32.00	44.00		32.00	+0.00 / -0.04	44.00	+0.16 / -0.00	22.50	+0.20 / -0.00	40.45
V032047225V3	32.00	+0.00 / -0.04	32.00	47.00		32.00	+0.00 / -0.04	47.00	+0.16 / -0.00	22.50	+0.20 / -0.00	43.85
V032047250V3	32.00	+0.00 / -0.04	32.00	47.00		32.00	+0.00 / -0.04	47.00	+0.16 / -0.00	25.00	+0.20 / -0.00	46.95
V035045215V3	35.00	+0.00 / -0.04	35.00	45.00		35.00	+0.00 / -0.04	45.00	+0.16 / -0.00	21.50	+0.20 / -0.00	43.85
V035047175V3	35.00	+0.00 / -0.04	35.00	47.00		35.00	+0.00 / -0.04	47.00	+0.16 / -0.00	17.50	+0.20 / -0.00	43.85
V035047225V3	35.00	+0.00 / -0.04	35.00	47.00		35.00	+0.00 / -0.04	47.00	+0.16 / -0.00	22.50	+0.20 / -0.00	43.85
V035050225V3	35.00	+0.00 / -0.04	35.00	50.00		35.00	+0.00 / -0.04	50.00	+0.16 / -0.00	22.50	+0.20 / -0.00	43.85
V035050295V3	35.00	+0.00 / -0.04	35.00	50.00		35.00	+0.00 / -0.04	50.00	+0.16 / -0.00	29.50	+0.20 / -0.00	43.85
V036046160V3	36.00	+0.00 / -0.04	36.00	46.00		36.00	+0.00 / -0.04	46.00	+0.16 / -0.00	16.00	+0.20 / -0.00	45.70
V036048225V3	36.00	+0.00 / -0.04	36.00	48.00		36.00	+0.00 / -0.04	48.00	+0.16 / -0.00	22.50	+0.20 / -0.00	43.95
V036051225V3	36.00	+0.00 / -0.04	36.00	51.00		36.00	+0.00 / -0.04	51.00	+0.19 / -0.00	22.50	+0.20 / -0.00	43.95
V036051250V3	36.00	+0.00 / -0.04	36.00	51.00		36.00	+0.00 / -0.04	51.00	+0.19 / -0.00	25.00	+0.20 / -0.00	44.25
V036052175V3	36.00	+0.00 / -0.04	36.00	52.00		36.00	+0.00 / -0.04	52.00	+0.19 / -0.00	17.50	+0.20 / -0.00	43.85

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V036052225V3	36.00	+0.00 / -0.04	36.00	52.00		36.00	+0.00 / -0.04	52.00	+0.19 / -0.00	22.50	+0.20 / -0.00	43.85
V038055280V3	38.00	+0.00 / -0.04	38.00	55.00		38.00	+0.00 / -0.04	55.00	+0.19 / -0.00	28.00	+0.20 / -0.00	47.65
V038058400V3	38.00	+0.00 / -0.04	38.00	58.00		38.00	+0.00 / -0.04	58.00	+0.19 / -0.00	40.00	+0.20 / -0.00	43.85
V039055250V3	39.00	+0.00 / -0.04	39.00	55.00		39.00	+0.00 / -0.04	55.00	+0.19 / -0.00	25.00	+0.20 / -0.00	43.85
V040050160V3	40.00	+0.00 / -0.05	40.00	50.00		40.00	+0.00 / -0.05	50.00	+0.16 / -0.00	16.00	+0.20 / -0.00	43.85
V040050173V3	40.00	+0.00 / -0.05	40.00	50.00		40.00	+0.00 / -0.05	50.00	+0.16 / -0.00	17.30	+0.20 / -0.00	43.85
V040052225V3	40.00	+0.00 / -0.05	40.00	52.00		40.00	+0.00 / -0.05	52.00	+0.19 / -0.00	22.50	+0.20 / -0.00	43.95
V040055225V3	40.00	+0.00 / -0.05	40.00	55.00		40.00	+0.00 / -0.05	55.00	+0.19 / -0.00	22.50	+0.20 / -0.00	43.85
V040055250V3	40.00	+0.00 / -0.05	40.00	55.00		40.00	+0.00 / -0.05	55.00	+0.19 / -0.00	25.00	+0.20 / -0.00	44.35
V040055265V3	40.00	+0.00 / -0.05	40.00	55.00		40.00	+0.00 / -0.05	55.00	+0.19 / -0.00	26.50	+0.20 / -0.00	44.95
V040056175V3	40.00	+0.00 / -0.05	40.00	56.00		40.00	+0.00 / -0.05	56.00	+0.19 / -0.00	17.50	+0.20 / -0.00	46.15
V040060300V3	40.00	+0.00 / -0.05	40.00	60.00		40.00	+0.00 / -0.05	60.00	+0.19 / -0.00	30.00	+0.20 / -0.00	46.15
V040065360V3	40.00	+0.00 / -0.05	40.00	65.00		40.00	+0.00 / -0.05	65.00	+0.19 / -0.00	36.00	+0.20 / -0.00	53.15
V042054225V3	42.00	+0.00 / -0.05	42.00	54.00		42.00	+0.00 / -0.05	54.00	+0.19 / -0.00	22.50	+0.20 / -0.00	43.90
V042057225V3	42.00	+0.00 / -0.05	42.00	57.00		42.00	+0.00 / -0.05	57.00	+0.19 / -0.00	22.50	+0.20 / -0.00	46.15
V045055160V3	45.00	+0.00 / -0.05	45.00	55.00		45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	16.00	+0.20 / -0.00	43.85
V045055175V3	45.00	+0.00 / -0.05	45.00	55.00		45.00	+0.00 / -0.05	55.00	+0.19 / -0.00	17.50	+0.20 / -0.00	47.35
V045060225V3	45.00	+0.00 / -0.05	45.00	60.00		45.00	+0.00 / -0.05	60.00	+0.19 / -0.00	22.50	+0.20 / -0.00	47.35
V045060250V3	45.00	+0.00 / -0.05	45.00	60.00		45.00	+0.00 / -0.05	60.00	+0.19 / -0.00	25.00	+0.20 / -0.00	45.70
V045061290V3	45.00	+0.00 / -0.05	45.00	61.00		45.00	+0.00 / -0.05	61.00	+0.19 / -0.00	29.00	+0.20 / -0.00	64.35
V045065275V3	45.00	+0.00 / -0.05	45.00	65.00		45.00	+0.00 / -0.05	65.00	+0.19 / -0.00	27.50	+0.20 / -0.00	65.75
V045065280V3	45.00	+0.00 / -0.05	45.00	65.00		45.00	+0.00 / -0.05	65.00	+0.19 / -0.00	28.00	+0.20 / -0.00	57.50
V048060250V3	48.00	+0.00 / -0.05	48.00	60.00		48.00	+0.00 / -0.05	60.00	+0.19 / -0.00	25.00	+0.20 / -0.00	47.35
V048062225V3	48.00	+0.00 / -0.05	48.00	62.00		48.00	+0.00 / -0.05	62.00	+0.19 / -0.00	22.50	+0.20 / -0.00	47.35
V050060160V3	50.00	+0.00 / -0.05	50.00	60.00		50.00	+0.00 / -0.05	60.00	+0.19 / -0.00	16.00	+0.20 / -0.00	44.50
V050065225V3	50.00	+0.00 / -0.05	50.00	65.00		50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	22.50	+0.20 / -0.00	58.45
V050065250V3	50.00	+0.00 / -0.05	50.00	65.00		50.00	+0.00 / -0.05	65.00	+0.19 / -0.00	25.00	+0.20 / -0.00	50.25
V050070220V3	50.00	+0.00 / -0.05	50.00	70.00		50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	22.00	+0.20 / -0.00	57.50
V050070260V3	50.00	+0.00 / -0.05	50.00	70.00		50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	26.00	+0.20 / -0.00	57.50
V050070300V3	50.00	+0.00 / -0.05	50.00	70.00		50.00	+0.00 / -0.05	70.00	+0.19 / -0.00	30.00	+0.20 / -0.00	57.50
V051069280V3	51.00	+0.00 / -0.05	51.00	69.00		51.00	+0.00 / -0.05	69.00	+0.19 / -0.00	28.00	+0.20 / -0.00	57.50
V052072260V3	52.00	+0.00 / -0.05	52.00	72.00		52.00	+0.00 / -0.05	72.00	+0.19 / -0.00	26.00	+0.20 / -0.00	57.50
V052072300V3	52.00	+0.00 / -0.05	52.00	72.00		52.00	+0.00 / -0.05	72.00	+0.19 / -0.00	30.00	+0.20 / -0.00	57.50
V055067250V3	55.00	+0.00 / -0.05	55.00	67.00		55.00	+0.00 / -0.05	67.00	+0.19 / -0.00	25.00	+0.20 / -0.00	57.50
V055070225V3	55.00	+0.00 / -0.05	55.00	70.00		55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	22.50	+0.20 / -0.00	65.50
V055070265V3	55.00	+0.00 / -0.05	55.00	70.00		55.00	+0.00 / -0.05	70.00	+0.19 / -0.00	26.50	+0.20 / -0.00	57.50
V055075300V3	55.00	+0.00 / -0.05	55.00	75.00		55.00	+0.00 / -0.05	75.00	+0.19 / -0.00	30.00	+0.20 / -0.00	60.80
V055075350V3	55.00	+0.00 / -0.05	55.00	75.00		55.00	+0.00 / -0.05	75.00	+0.19 / -0.00	35.00	+0.20 / -0.00	56.25
V055075380V3	55.00	+0.00 / -0.05	55.00	75.00		55.00	+0.00 / -0.05	75.00	+0.19 / -0.00	38.00	+0.20 / -0.00	56.25
V056071185V3	56.00	+0.00 / -0.05	56.00	71.00		56.00	+0.00 / -0.05	71.00	+0.19 / -0.00	18.50	+0.20 / -0.00	71.90
V056071225V3	56.00	+0.00 / -0.05	56.00	71.00		56.00	+0.00 / -0.05	71.00	+0.19 / -0.00	22.50	+0.20 / -0.00	65.50
V056071250V3	56.00	+0.00 / -0.05	56.00	71.00		56.00	+0.00 / -0.05	71.00	+0.19 / -0.00	25.00	+0.20 / -0.00	60.00
V056076200V3	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	20.00	+0.20 / -0.00	60.80
V056076220V3	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	22.00	+0.20 / -0.00	60.80
V056076225V3	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	22.50	+0.20 / -0.00	60.80
V056076320V3	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	32.00	+0.20 / -0.00	72.60
V056076370V3	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	37.00	+0.20 / -0.00	87.85
V056076390V3	56.00	+0.00 / -0.05	56.00	76.00		56.00	+0.00 / -0.05	76.00	+0.19 / -0.00	39.00	+0.20 / -0.00	87.85

V3 SERIES - NEO/PA/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V060075225V3	60.00	+0.00 / -0.05	60.00	75.00		60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	22.50	+0.20 / -0.00	65.75
V060075250V3	60.00	+0.00 / -0.05	60.00	75.00		60.00	+0.00 / -0.05	75.00	+0.19 / -0.00	25.00	+0.20 / -0.00	77.75
V060076290V3	60.00	+0.00 / -0.05	60.00	76.00		60.00	+0.00 / -0.05	76.00	+0.19 / -0.00	29.00	+0.20 / -0.00	60.80
V060077270V3	60.00	+0.00 / -0.05	60.00	77.00		60.00	+0.00 / -0.05	77.00	+0.19 / -0.00	27.00	+0.20 / -0.00	60.80
V060080300V3	60.00	+0.00 / -0.05	60.00	80.00		60.00	+0.00 / -0.05	80.00	+0.19 / -0.00	30.00	+0.20 / -0.00	63.85
V060080320V3	60.00	+0.00 / -0.05	60.00	80.00		60.00	+0.00 / -0.05	80.00	+0.19 / -0.00	32.00	+0.20 / -0.00	64.20
V060080370V3	60.00	+0.00 / -0.05	60.00	80.00		60.00	+0.00 / -0.05	80.00	+0.19 / -0.00	37.00	+0.20 / -0.00	72.75
V063078225V3	63.00	+0.00 / -0.06	63.00	78.00		63.00	+0.00 / -0.06	78.00	+0.19 / -0.00	22.50	+0.20 / -0.00	72.90
V063078250V3	63.00	+0.00 / -0.06	63.00	78.00		63.00	+0.00 / -0.06	78.00	+0.19 / -0.00	25.00	+0.20 / -0.00	68.60
V063083220V3	63.00	+0.00 / -0.06	63.00	83.00		63.00	+0.00 / -0.06	83.00	+0.22 / -0.00	22.00	+0.20 / -0.00	58.30
V063083290V3	63.00	+0.00 / -0.06	63.00	83.00		63.00	+0.00 / -0.06	83.00	+0.22 / -0.00	29.00	+0.20 / -0.00	87.85
V063083320V3	63.00	+0.00 / -0.06	63.00	83.00		63.00	+0.00 / -0.06	83.00	+0.22 / -0.00	32.00	+0.20 / -0.00	74.60
V063083370V3	63.00	+0.00 / -0.06	63.00	83.00		63.00	+0.00 / -0.06	83.00	+0.22 / -0.00	37.00	+0.20 / -0.00	75.55
V063085320V3	63.00	+0.00 / -0.06	63.00	85.00		63.00	+0.00 / -0.06	85.00	+0.22 / -0.00	32.00	+0.20 / -0.00	64.20
V063080280V3	63.50	+0.00 / -0.06	63.50	80.00		63.50	+0.00 / -0.06	80.00	+0.19 / -0.00	28.00	+0.20 / -0.00	63.85
V064080260V3	64.00	+0.00 / -0.06	64.00	80.00		64.00	+0.00 / -0.06	80.00	+0.19 / -0.00	26.00	+0.20 / -0.00	64.20
V065077210V3	65.00	+0.00 / -0.06	65.00	77.00		65.00	+0.00 / -0.06	77.00	+0.19 / -0.00	21.00	+0.20 / -0.00	60.80
V065080225V3	65.00	+0.00 / -0.06	65.00	80.00		65.00	+0.00 / -0.06	80.00	+0.19 / -0.00	22.50	+0.20 / -0.00	72.90
V065080290V3	65.00	+0.00 / -0.06	65.00	80.00		65.00	+0.00 / -0.06	80.00	+0.19 / -0.00	29.00	+0.20 / -0.00	90.90
V065085290V3	65.00	+0.00 / -0.06	65.00	85.00		65.00	+0.00 / -0.06	85.00	+0.22 / -0.00	29.00	+0.20 / -0.00	63.50
V065085320V3	65.00	+0.00 / -0.06	65.00	85.00		65.00	+0.00 / -0.06	85.00	+0.22 / -0.00	32.00	+0.20 / -0.00	64.20
V065085350V3	65.00	+0.00 / -0.06	65.00	85.00		65.00	+0.00 / -0.06	85.00	+0.22 / -0.00	35.00	+0.20 / -0.00	78.80
V065085400V3	65.00	+0.00 / -0.06	65.00	85.00		65.00	+0.00 / -0.06	85.00	+0.22 / -0.00	40.00	+0.20 / -0.00	72.65
V070085225V3	70.00	+0.00 / -0.06	70.00	85.00		70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	22.50	+0.20 / -0.00	73.35
V070085250V3	70.00	+0.00 / -0.06	70.00	85.00		70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	25.00	+0.20 / -0.00	71.00
V070085280V3	70.00	+0.00 / -0.06	70.00	85.00		70.00	+0.00 / -0.06	85.00	+0.22 / -0.00	28.00	+0.20 / -0.00	69.45
V070090220V3	70.00	+0.00 / -0.06	70.00	90.00		70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	22.00	+0.20 / -0.00	69.45
V070090300V3	70.00	+0.00 / -0.06	70.00	90.00		70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	30.00	+0.20 / -0.00	73.85
V070090320V3	70.00	+0.00 / -0.06	70.00	90.00		70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	32.00	+0.20 / -0.00	77.70
V070090400V3	70.00	+0.00 / -0.06	70.00	90.00		70.00	+0.00 / -0.06	90.00	+0.22 / -0.00	40.00	+0.20 / -0.00	89.10
V075090225V3	75.00	+0.00 / -0.06	75.00	90.00		75.00	+0.00 / -0.06	90.00	+0.22 / -0.00	22.50	+0.20 / -0.00	80.60
V075095300V3	75.00	+0.00 / -0.06	75.00	95.00		75.00	+0.00 / -0.06	95.00	+0.22 / -0.00	30.00	+0.20 / -0.00	81.10
V075095400V3	75.00	+0.00 / -0.06	75.00	95.00		75.00	+0.00 / -0.06	95.00	+0.22 / -0.00	40.00	+0.20 / -0.00	89.65
V075100380V3	75.00	+0.00 / -0.06	75.00	100.00		75.00	+0.00 / -0.06	100.00	+0.22 / -0.00	38.00	+0.20 / -0.00	81.10
V078093300V3	78.00	+0.00 / -0.06	78.00	93.00		78.00	+0.00 / -0.06	93.00	+0.22 / -0.00	30.00	+0.20 / -0.00	81.10
V080095175V3	80.00	+0.00 / -0.09	80.00	95.00		80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	17.50	+0.20 / -0.00	81.10
V080095225V3	80.00	+0.00 / -0.09	80.00	95.00		80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	22.50	+0.20 / -0.00	91.65
V080095250V3	80.00	+0.00 / -0.09	80.00	95.00		80.00	+0.00 / -0.09	95.00	+0.22 / -0.00	25.00	+0.20 / -0.00	83.35
V080100300V3	80.00	+0.00 / -0.09	80.00	100.00		80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	30.00	+0.20 / -0.00	81.10
V080100320V3	80.00	+0.00 / -0.09	80.00	100.00		80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	32.00	+0.20 / -0.00	85.35
V080100400V3	80.00	+0.00 / -0.09	80.00	100.00		80.00	+0.00 / -0.09	100.00	+0.22 / -0.00	40.00	+0.20 / -0.00	89.80
V080105275V3	80.00	+0.00 / -0.09	80.00	105.00		80.00	+0.00 / -0.09	105.00	+0.22 / -0.00	27.50	+0.20 / -0.00	81.10
V085100225V3	85.00	+0.00 / -0.09	85.00	100.00		85.00	+0.00 / -0.09	100.00	+0.22 / -0.00	22.50	+0.20 / -0.00	94.85
V085105400V3	85.00	+0.00 / -0.09	85.00	105.00		85.00	+0.00 / -0.09	105.00	+0.22 / -0.00	40.00	+0.20 / -0.00	97.10
V090105225V3	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	22.50	+0.20 / -0.00	95.00
V090105250V3	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	25.00	+0.20 / -0.00	88.10
V090105270V3	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	27.00	+0.20 / -0.00	101.35
V090105330V3	90.00	+0.00 / -0.09	90.00	105.00		90.00	+0.00 / -0.09	105.00	+0.22 / -0.00	33.00	+0.20 / -0.00	111.50

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V090110250V3	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	25.00	+0.20 / -0.00	81.10
V090110300V3	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	30.00	+0.20 / -0.00	100.30
V090110320V3	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	32.00	+0.20 / -0.00	97.65
V090110400V3	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	40.00	+0.20 / -0.00	102.05
V090110450V3	90.00	+0.00 / -0.09	90.00	110.00		90.00	+0.00 / -0.09	110.00	+0.22 / -0.00	45.00	+0.20 / -0.00	82.85
V090115275V3	90.00	+0.00 / -0.09	90.00	115.00		90.00	+0.00 / -0.09	115.00	+0.22 / -0.00	27.50	+0.20 / -0.00	81.10
V095110225V3	95.00	+0.00 / -0.09	95.00	110.00		95.00	+0.00 / -0.09	110.00	+0.22 / -0.00	22.50	+0.20 / -0.00	83.35
V095110240V3	95.00	+0.00 / -0.09	95.00	110.00		95.00	+0.00 / -0.09	110.00	+0.22 / -0.00	24.00	+0.20 / -0.00	83.35
V095115320V3	95.00	+0.00 / -0.09	95.00	115.00		95.00	+0.00 / -0.09	115.00	+0.22 / -0.00	32.00	+0.20 / -0.00	108.60
V100115250V3	100.00	+0.00 / -0.09	100.00	115.00		100.00	+0.00 / -0.09	115.00	+0.22 / -0.00	25.00	+0.20 / -0.00	81.10
V100115300V3	100.00	+0.00 / -0.09	100.00	115.00		100.00	+0.00 / -0.09	115.00	+0.22 / -0.00	30.00	+0.20 / -0.00	92.05
V100115320V3	100.00	+0.00 / -0.09	100.00	115.00		100.00	+0.00 / -0.09	115.00	+0.22 / -0.00	32.00	+0.20 / -0.00	111.50
V100120300V3	100.00	+0.00 / -0.09	100.00	120.00		100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	30.00	+0.20 / -0.00	87.85
V100120320V3	100.00	+0.00 / -0.09	100.00	120.00		100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	32.00	+0.20 / -0.00	100.15
V100120400V3	100.00	+0.00 / -0.09	100.00	120.00		100.00	+0.00 / -0.09	120.00	+0.22 / -0.00	40.00	+0.20 / -0.00	104.45
V100125275V3	100.00	+0.00 / -0.09	100.00	125.00		100.00	+0.00 / -0.09	125.00	+0.25 / -0.00	27.50	+0.20 / -0.00	87.85
V100125350V3	100.00	+0.00 / -0.09	100.00	125.00		100.00	+0.00 / -0.09	125.00	+0.25 / -0.00	35.00	+0.20 / -0.00	94.15
V100125370V3	100.00	+0.00 / -0.09	100.00	125.00		100.00	+0.00 / -0.09	125.00	+0.25 / -0.00	37.00	+0.20 / -0.00	94.15
V100125400V3	100.00	+0.00 / -0.09	100.00	125.00		100.00	+0.00 / -0.09	125.00	+0.25 / -0.00	40.00	+0.20 / -0.00	115.90
V100130320V3	100.00	+0.00 / -0.09	100.00	130.00		100.00	+0.00 / -0.09	130.00	+0.25 / -0.00	32.00	+0.20 / -0.00	107.05
V104130370V3	104.00	+0.00 / -0.09	104.00	130.00		104.00	+0.00 / -0.09	130.00	+0.25 / -0.00	37.00	+0.20 / -0.00	101.35
V105120250V3	105.00	+0.00 / -0.09	105.00	120.00		105.00	+0.00 / -0.09	120.00	+0.22 / -0.00	25.00	+0.20 / -0.00	87.85
V105120300V3	105.00	+0.00 / -0.09	105.00	120.00		105.00	+0.00 / -0.09	120.00	+0.22 / -0.00	30.00	+0.20 / -0.00	99.20
V105125300V3	105.00	+0.00 / -0.09	105.00	125.00		105.00	+0.00 / -0.09	125.00	+0.25 / -0.00	30.00	+0.20 / -0.00	94.15
V105130400V3	105.00	+0.00 / -0.09	105.00	130.00		105.00	+0.00 / -0.09	130.00	+0.25 / -0.00	40.00	+0.20 / -0.00	138.40
V110125210V3	110.00	+0.00 / -0.13	110.00	125.00		110.00	+0.00 / -0.13	125.00	+0.25 / -0.00	21.00	+0.20 / -0.00	118.15
V110125300V3	110.00	+0.00 / -0.13	110.00	125.00		110.00	+0.00 / -0.13	125.00	+0.25 / -0.00	30.00	+0.20 / -0.00	105.10
V110130300V3	110.00	+0.00 / -0.13	110.00	130.00		110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	30.00	+0.20 / -0.00	101.35
V110130400V3	110.00	+0.00 / -0.13	110.00	130.00		110.00	+0.00 / -0.13	130.00	+0.25 / -0.00	40.00	+0.20 / -0.00	116.35
V110135400V3	110.00	+0.00 / -0.13	110.00	135.00		110.00	+0.00 / -0.13	135.00	+0.25 / -0.00	40.00	+0.20 / -0.00	125.45
V110135440V3	110.00	+0.00 / -0.13	110.00	135.00		110.00	+0.00 / -0.13	135.00	+0.25 / -0.00	44.00	+0.20 / -0.00	135.50
V114130260V3	114.00	+0.00 / -0.13	114.00	130.00		114.00	+0.00 / -0.13	130.00	+0.25 / -0.00	26.00	+0.20 / -0.00	101.35
V115130300V3	115.00	+0.00 / -0.13	115.00	130.00		115.00	+0.00 / -0.13	130.00	+0.25 / -0.00	30.00	+0.20 / -0.00	116.45
V115140380V3	115.00	+0.00 / -0.13	115.00	140.00		115.00	+0.00 / -0.13	140.00	+0.25 / -0.00	38.00	+0.20 / -0.00	111.50
V115140460V3	115.00	+0.00 / -0.13	115.00	140.00		115.00	+0.00 / -0.13	140.00	+0.25 / -0.00	46.00	+0.20 / -0.00	131.80
V120135320V3	120.00	+0.00 / -0.13	120.00	135.00		120.00	+0.00 / -0.13	135.00	+0.25 / -0.00	32.00	+0.20 / -0.00	111.50
V120140250V3	120.00	+0.00 / -0.13	120.00	140.00		120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	25.00	+0.20 / -0.00	111.50
V120140300V3	120.00	+0.00 / -0.13	120.00	140.00		120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	30.00	+0.20 / -0.00	111.50
V120140400V3	120.00	+0.00 / -0.13	120.00	140.00		120.00	+0.00 / -0.13	140.00	+0.25 / -0.00	40.00	+0.20 / -0.00	128.30
V120145400V3	120.00	+0.00 / -0.13	120.00	145.00		120.00	+0.00 / -0.13	145.00	+0.25 / -0.00	40.00	+0.20 / -0.00	128.35
V120145460V3	120.00	+0.00 / -0.13	120.00	145.00		120.00	+0.00 / -0.13	145.00	+0.25 / -0.00	46.00	+0.20 / -0.00	128.30
V120150440V3	120.00	+0.00 / -0.13	120.00	150.00		120.00	+0.00 / -0.13	150.00	+0.25 / -0.00	44.00	+0.20 / -0.00	128.30
V125140300V3	125.00	+0.00 / -0.13	125.00	140.00		125.00	+0.00 / -0.13	140.00	+0.25 / -0.00	30.00	+0.20 / -0.00	124.55
V125140340V3	125.00	+0.00 / -0.13	125.00	140.00		125.00	+0.00 / -0.13	140.00	+0.25 / -0.00	34.00	+0.20 / -0.00	124.55
V125145300V3	125.00	+0.00 / -0.13	125.00	145.00		125.00	+0.00 / -0.13	145.00	+0.25 / -0.00	30.00	+0.20 / -0.00	111.50
V125145320V3	125.00	+0.00 / -0.13	125.00	145.00		125.00	+0.00 / -0.13	145.00	+0.25 / -0.00	32.00	+0.20 / -0.00	104.45
V125150275V3	125.00	+0.00 / -0.13	125.00	150.00		125.00	+0.00 / -0.13	150.00	+0.25 / -0.00	27.50	+0.20 / -0.00	128.30
V125150340V3	125.00	+0.00 / -0.13	125.00	150.00		125.00	+0.00 / -0.13	150.00	+0.25 / -0.00	34.00	+0.20 / -0.00	137.30

V3 SERIES - NEO/PA/NBR

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V125150400V3	125.00	+0.00 / -0.13	125.00	150.00		125.00	+0.00 / -0.13	150.00	+0.25 / -0.00	40.00	+0.20 / -0.00	132.65
V125150460V3	125.00	+0.00 / -0.13	125.00	150.00		125.00	+0.00 / -0.13	150.00	+0.25 / -0.00	46.00	+0.20 / -0.00	132.90
V130150300V3	130.00	+0.00 / -0.13	130.00	150.00		130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	30.00	+0.20 / -0.00	128.30
V130150400V3	130.00	+0.00 / -0.13	130.00	150.00		130.00	+0.00 / -0.13	150.00	+0.25 / -0.00	40.00	+0.20 / -0.00	189.90
V130155460V3	130.00	+0.00 / -0.13	130.00	155.00		130.00	+0.00 / -0.13	155.00	+0.25 / -0.00	46.00	+0.20 / -0.00	162.85
V130160415V3	130.00	+0.00 / -0.13	130.00	160.00		130.00	+0.00 / -0.13	160.00	+0.25 / -0.00	41.50	+0.20 / -0.00	151.95
V135155305V3	135.00	+0.00 / -0.13	135.00	155.00		135.00	+0.00 / -0.13	155.00	+0.25 / -0.00	30.50	+0.20 / -0.00	128.30
V140155340V3	140.00	+0.00 / -0.13	140.00	155.00		140.00	+0.00 / -0.13	155.00	+0.25 / -0.00	34.00	+0.20 / -0.00	131.60
V140160285V3	140.00	+0.00 / -0.13	140.00	160.00		140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	28.50	+0.20 / -0.00	138.40
V140160320V3	140.00	+0.00 / -0.13	140.00	160.00		140.00	+0.00 / -0.13	160.00	+0.25 / -0.00	32.00	+0.20 / -0.00	117.45
V140165330V3	140.00	+0.00 / -0.13	140.00	165.00		140.00	+0.00 / -0.13	165.00	+0.25 / -0.00	33.00	+0.20 / -0.00	151.95
V140165400V3	140.00	+0.00 / -0.13	140.00	165.00		140.00	+0.00 / -0.13	165.00	+0.25 / -0.00	40.00	+0.20 / -0.00	169.50
V140165420V3	140.00	+0.00 / -0.13	140.00	165.00		140.00	+0.00 / -0.13	165.00	+0.25 / -0.00	42.00	+0.20 / -0.00	151.95
V140165460V3	140.00	+0.00 / -0.13	140.00	165.00		140.00	+0.00 / -0.13	165.00	+0.25 / -0.00	46.00	+0.20 / -0.00	175.60
V140170330V3	140.00	+0.00 / -0.13	140.00	170.00		140.00	+0.00 / -0.13	170.00	+0.25 / -0.00	33.00	+0.20 / -0.00	151.95
V140170390V3	140.00	+0.00 / -0.13	140.00	170.00		140.00	+0.00 / -0.13	170.00	+0.25 / -0.00	39.00	+0.20 / -0.00	151.95
V140170460V3	140.00	+0.00 / -0.13	140.00	170.00		140.00	+0.00 / -0.13	170.00	+0.25 / -0.00	46.00	+0.20 / -0.00	188.40
V145170380V3	145.00	+0.00 / -0.13	145.00	170.00		145.00	+0.00 / -0.13	170.00	+0.25 / -0.00	38.00	+0.20 / -0.00	151.95
V150165260V3	150.00	+0.00 / -0.13	150.00	165.00		150.00	+0.00 / -0.13	165.00	+0.25 / -0.00	26.00	+0.20 / -0.00	151.95
V150170305V3	150.00	+0.00 / -0.13	150.00	170.00		150.00	+0.00 / -0.13	170.00	+0.25 / -0.00	30.50	+0.20 / -0.00	151.95
V150170400V3	150.00	+0.00 / -0.13	150.00	170.00		150.00	+0.00 / -0.13	170.00	+0.25 / -0.00	40.00	+0.20 / -0.00	214.60
V150180400V3	150.00	+0.00 / -0.13	150.00	180.00		150.00	+0.00 / -0.13	180.00	+0.25 / -0.00	40.00	+0.20 / -0.00	225.05
V150180460V3	150.00	+0.00 / -0.13	150.00	180.00		150.00	+0.00 / -0.13	180.00	+0.25 / -0.00	46.00	+0.20 / -0.00	279.10
V150180600V3	150.00	+0.00 / -0.13	150.00	180.00		150.00	+0.00 / -0.13	180.00	+0.25 / -0.00	60.00	+0.20 / -0.00	369.15
V157182305V3	157.00	+0.00 / -0.13	157.00	182.00		157.00	+0.00 / -0.13	182.00	+0.29 / -0.00	30.50	+0.20 / -0.00	225.05
V160180320V3	160.00	+0.00 / -0.13	160.00	180.00		160.00	+0.00 / -0.13	180.00	+0.25 / -0.00	32.00	+0.20 / -0.00	195.15
V160180400V3	160.00	+0.00 / -0.13	160.00	180.00		160.00	+0.00 / -0.13	180.00	+0.25 / -0.00	40.00	+0.20 / -0.00	253.75
V160185400V3	160.00	+0.00 / -0.13	160.00	185.00		160.00	+0.00 / -0.13	185.00	+0.29 / -0.00	40.00	+0.20 / -0.00	274.50
V160190330V3	160.00	+0.00 / -0.13	160.00	190.00		160.00	+0.00 / -0.13	190.00	+0.29 / -0.00	33.00	+0.20 / -0.00	252.05
V160190470V3	160.00	+0.00 / -0.13	160.00	190.00		160.00	+0.00 / -0.13	190.00	+0.29 / -0.00	47.00	+0.20 / -0.00	315.00
V160190500V3	160.00	+0.00 / -0.13	160.00	190.00		160.00	+0.00 / -0.13	190.00	+0.29 / -0.00	50.00	+0.20 / -0.00	293.80
V160190600V3	160.00	+0.00 / -0.13	160.00	190.00		160.00	+0.00 / -0.13	190.00	+0.29 / -0.00	60.00	+0.20 / -0.00	396.50
V160195520V3	160.00	+0.00 / -0.13	160.00	195.00		160.00	+0.00 / -0.13	195.00	+0.29 / -0.00	52.00	+0.20 / -0.00	526.50
V165195500V3	165.00	+0.00 / -0.13	165.00	195.00		165.00	+0.00 / -0.13	195.00	+0.29 / -0.00	50.00	+0.20 / -0.00	408.40
V170195380V3	170.00	+0.00 / -0.13	170.00	195.00		170.00	+0.00 / -0.13	195.00	+0.29 / -0.00	38.00	+0.20 / -0.00	265.55
V170200450V3	170.00	+0.00 / -0.13	170.00	200.00		170.00	+0.00 / -0.13	200.00	+0.29 / -0.00	45.00	+0.20 / -0.00	368.30
V170200600V3	170.00	+0.00 / -0.13	170.00	200.00		170.00	+0.00 / -0.13	200.00	+0.29 / -0.00	60.00	+0.20 / -0.00	408.95
V175200420V3	175.00	+0.00 / -0.13	175.00	200.00		175.00	+0.00 / -0.13	200.00	+0.29 / -0.00	42.00	+0.20 / -0.00	270.15
V180200400V3	180.00	+0.00 / -0.13	180.00	200.00		180.00	+0.00 / -0.13	200.00	+0.29 / -0.00	40.00	+0.20 / -0.00	371.00
V180205400V3	180.00	+0.00 / -0.13	180.00	205.00		180.00	+0.00 / -0.13	205.00	+0.29 / -0.00	40.00	+0.20 / -0.00	350.75
V180210330V3	180.00	+0.00 / -0.13	180.00	210.00		180.00	+0.00 / -0.13	210.00	+0.29 / -0.00	33.00	+0.20 / -0.00	306.10
V180210500V3	180.00	+0.00 / -0.13	180.00	210.00		180.00	+0.00 / -0.13	210.00	+0.29 / -0.00	50.00	+0.20 / -0.00	425.15
V180210600V3	180.00	+0.00 / -0.13	180.00	210.00		180.00	+0.00 / -0.13	210.00	+0.29 / -0.00	60.00	+0.20 / -0.00	426.65
V185210240V3	185.00	+0.00 / -0.13	185.00	210.00		185.00	+0.00 / -0.13	210.00	+0.29 / -0.00	24.00	+0.20 / -0.00	306.10
V190220450V3	190.00	+0.00 / -0.13	190.00	220.00		190.00	+0.00 / -0.13	220.00	+0.29 / -0.00	45.00	+0.20 / -0.00	372.10
V195225470V3	195.00	+0.00 / -0.13	195.00	225.00		195.00	+0.00 / -0.13	225.00	+0.29 / -0.00	47.00	+0.20 / -0.00	491.00
V200220400V3	200.00	+0.00 / -0.13	200.00	220.00		200.00	+0.00 / -0.13	220.00	+0.29 / -0.00	40.00	+0.20 / -0.00	389.70
V200225400V3	200.00	+0.00 / -0.13	200.00	225.00		200.00	+0.00 / -0.13	225.00	+0.29 / -0.00	40.00	+0.20 / -0.00	382.35

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V200230330V3	200.00	+0.00 / -0.13	200.00	230.00		200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	33.00	+0.20 / -0.00	337.65
V200230450V3	200.00	+0.00 / -0.13	200.00	230.00		200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	45.00	+0.20 / -0.00	381.95
V200230480V3	200.00	+0.00 / -0.13	200.00	230.00		200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	48.00	+0.20 / -0.00	420.05
V200230500V3	200.00	+0.00 / -0.13	200.00	230.00		200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	50.00	+0.20 / -0.00	437.45
V200230600V3	200.00	+0.00 / -0.13	200.00	230.00		200.00	+0.00 / -0.13	230.00	+0.29 / -0.00	60.00	+0.20 / -0.00	458.15
V205225195V3	205.00	+0.00 / -0.13	205.00	225.00		205.00	+0.00 / -0.13	225.00	+0.29 / -0.00	19.50	+0.20 / -0.00	337.65
V210240420V3	210.00	+0.00 / -0.13	210.00	240.00		210.00	+0.00 / -0.13	240.00	+0.29 / -0.00	42.00	+0.20 / -0.00	346.65
V210240600V3	210.00	+0.00 / -0.13	210.00	240.00		210.00	+0.00 / -0.13	240.00	+0.29 / -0.00	60.00	+0.20 / -0.00	523.75
V220250500V3	220.00	+0.00 / -0.13	220.00	250.00		220.00	+0.00 / -0.13	250.00	+0.29 / -0.00	50.00	+0.20 / -0.00	546.00
V220250600V3	220.00	+0.00 / -0.13	220.00	250.00		220.00	+0.00 / -0.13	250.00	+0.29 / -0.00	60.00	+0.20 / -0.00	562.70
V220250660V3	220.00	+0.00 / -0.13	220.00	250.00		220.00	+0.00 / -0.13	250.00	+0.29 / -0.00	66.00	+0.20 / -0.00	565.45
V224254330V3	224.00	+0.00 / -0.13	224.00	254.00		224.00	+0.00 / -0.13	254.00	+0.32 / -0.00	33.00	+0.20 / -0.00	427.65
V225255330V3	225.00	+0.00 / -0.13	225.00	255.00		225.00	+0.00 / -0.13	255.00	+0.32 / -0.00	33.00	+0.20 / -0.00	375.15
V225255450V3	225.00	+0.00 / -0.13	225.00	255.00		225.00	+0.00 / -0.13	255.00	+0.32 / -0.00	45.00	+0.20 / -0.00	518.20
V225255600V3	225.00	+0.00 / -0.13	225.00	255.00		225.00	+0.00 / -0.13	255.00	+0.32 / -0.00	60.00	+0.20 / -0.00	575.45
V230260520V3	230.00	+0.00 / -0.13	230.00	260.00		230.00	+0.00 / -0.13	260.00	+0.32 / -0.00	52.00	+0.20 / -0.00	577.80
V230260600V3	230.00	+0.00 / -0.13	230.00	260.00		230.00	+0.00 / -0.13	260.00	+0.32 / -0.00	60.00	+0.20 / -0.00	587.95
V230260650V3	230.00	+0.00 / -0.13	230.00	260.00		230.00	+0.00 / -0.13	260.00	+0.32 / -0.00	65.00	+0.20 / -0.00	621.95
V230260675V3	230.00	+0.00 / -0.13	230.00	260.00		230.00	+0.00 / -0.13	260.00	+0.32 / -0.00	67.50	+0.20 / -0.00	629.50
V240270450V3	240.00	+0.00 / -0.13	240.00	270.00		240.00	+0.00 / -0.13	270.00	+0.32 / -0.00	45.00	+0.20 / -0.00	427.65
V240270485V3	240.00	+0.00 / -0.13	240.00	270.00		240.00	+0.00 / -0.13	270.00	+0.32 / -0.00	48.50	+0.20 / -0.00	427.65
V240270640V3	240.00	+0.00 / -0.13	240.00	270.00		240.00	+0.00 / -0.13	270.00	+0.32 / -0.00	64.00	+0.20 / -0.00	584.60
V250280330V3	250.00	+0.00 / -0.13	250.00	280.00		250.00	+0.00 / -0.13	280.00	+0.32 / -0.00	33.00	+0.20 / -0.00	450.10
V250280450V3	250.00	+0.00 / -0.13	250.00	280.00		250.00	+0.00 / -0.13	280.00	+0.32 / -0.00	45.00	+0.20 / -0.00	544.80
V250280500V3	250.00	+0.00 / -0.13	250.00	280.00		250.00	+0.00 / -0.13	280.00	+0.32 / -0.00	50.00	+0.20 / -0.00	576.65
V250280600V3	250.00	+0.00 / -0.13	250.00	280.00		250.00	+0.00 / -0.13	280.00	+0.32 / -0.00	60.00	+0.20 / -0.00	624.30
V260290600V3	260.00	+0.00 / -0.13	260.00	290.00		260.00	+0.00 / -0.13	290.00	+0.32 / -0.00	60.00	+0.20 / -0.00	640.20
V270300600V3	270.00	+0.00 / -0.13	270.00	300.00		270.00	+0.00 / -0.13	300.00	+0.32 / -0.00	60.00	+0.20 / -0.00	660.10
V270300700V3	270.00	+0.00 / -0.13	270.00	300.00		270.00	+0.00 / -0.13	300.00	+0.32 / -0.00	70.00	+0.20 / -0.00	1042.60
V280310500V3	280.00	+0.00 / -0.13	280.00	310.00		280.00	+0.00 / -0.13	310.00	+0.32 / -0.00	50.00	+0.20 / -0.00	636.25
V280310600V3	280.00	+0.00 / -0.13	280.00	310.00		280.00	+0.00 / -0.13	310.00	+0.32 / -0.00	60.00	+0.20 / -0.00	691.90
V280315385V3	280.00	+0.00 / -0.13	280.00	315.00		280.00	+0.00 / -0.13	315.00	+0.32 / -0.00	38.50	+0.20 / -0.00	495.15
V280315450V3	280.00	+0.00 / -0.13	280.00	315.00		280.00	+0.00 / -0.13	315.00	+0.32 / -0.00	45.00	+0.20 / -0.00	501.20
V280320800V3	280.00	+0.00 / -0.13	280.00	320.00		280.00	+0.00 / -0.13	320.00	+0.36 / -0.00	80.00	+0.20 / -0.00	795.30
V290320500V3	290.00	+0.00 / -0.13	290.00	320.00		290.00	+0.00 / -0.13	320.00	+0.36 / -0.00	50.00	+0.20 / -0.00	540.05
V290320600V3	290.00	+0.00 / -0.13	290.00	320.00		290.00	+0.00 / -0.13	320.00	+0.36 / -0.00	60.00	+0.20 / -0.00	691.90
V290330800V3	290.00	+0.00 / -0.13	290.00	330.00		290.00	+0.00 / -0.13	330.00	+0.36 / -0.00	80.00	+0.20 / -0.00	823.15
V300330600V3	300.00	+0.00 / -0.13	300.00	330.00		300.00	+0.00 / -0.13	330.00	+0.36 / -0.00	60.00	+0.20 / -0.00	715.80
V300340800V3	300.00	+0.00 / -0.13	300.00	340.00		300.00	+0.00 / -0.13	340.00	+0.36 / -0.00	80.00	+0.20 / -0.00	851.00
V310330300V3	310.00	+0.00 / -0.13	310.00	330.00		310.00	+0.00 / -0.13	330.00	+0.36 / -0.00	30.00	+0.20 / -0.00	495.15
V310330400V3	310.00	+0.00 / -0.13	310.00	330.00		310.00	+0.00 / -0.13	330.00	+0.36 / -0.00	40.00	+0.20 / -0.00	500.55
V310340600V3	310.00	+0.00 / -0.13	310.00	340.00		310.00	+0.00 / -0.13	340.00	+0.36 / -0.00	60.00	+0.20 / -0.00	731.70
V310350800V3	310.00	+0.00 / -0.13	310.00	350.00		310.00	+0.00 / -0.13	350.00	+0.36 / -0.00	80.00	+0.20 / -0.00	882.75
V315350385V3	315.00	+0.00 / -0.13	315.00	350.00		315.00	+0.00 / -0.13	350.00	+0.36 / -0.00	38.50	+0.20 / -0.00	540.05
V320350600V3	320.00	+0.00 / -0.13	320.00	350.00		320.00	+0.00 / -0.13	350.00	+0.36 / -0.00	60.00	+0.20 / -0.00	747.60
V320360600V3	320.00	+0.00 / -0.13	320.00	360.00		320.00	+0.00 / -0.13	360.00	+0.36 / -0.00	60.00	+0.20 / -0.00	1004.50
V320360630V3	320.00	+0.00 / -0.13	320.00	360.00		320.00	+0.00 / -0.13	360.00	+0.36 / -0.00	63.00	+0.20 / -0.00	755.55
V320360800V3	320.00	+0.00 / -0.13	320.00	360.00		320.00	+0.00 / -0.13	360.00	+0.36 / -0.00	80.00	+0.20 / -0.00	1040.65

V3 SERIES - NEO/PA/NBR

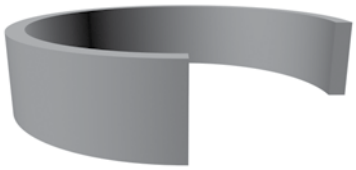
Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	d	H	d1	Tol.	D1	Tol.	H1	Tol.	
V320365550V3	320.00	+0.00 / -0.13	320.00	365.00		320.00	+0.00 / -0.13	365.00	+0.36 / -0.00	55.00	+0.20 / -0.00	790.90
V330360600V3	330.00	+0.00 / -0.13	330.00	360.00		330.00	+0.00 / -0.13	360.00	+0.36 / -0.00	60.00	+0.20 / -0.00	775.45
V330370800V3	330.00	+0.00 / -0.13	330.00	370.00		330.00	+0.00 / -0.13	370.00	+0.36 / -0.00	80.00	+0.20 / -0.00	978.20
V340370600V3	340.00	+0.00 / -0.13	340.00	370.00		340.00	+0.00 / -0.13	370.00	+0.36 / -0.00	60.00	+0.20 / -0.00	803.25
V340380540V3	340.00	+0.00 / -0.13	340.00	380.00		340.00	+0.00 / -0.13	380.00	+0.36 / -0.00	54.00	+0.20 / -0.00	874.15
V340380600V3	340.00	+0.00 / -0.13	340.00	380.00		340.00	+0.00 / -0.13	380.00	+0.36 / -0.00	60.00	+0.20 / -0.00	874.15
V340380800V3	340.00	+0.00 / -0.13	340.00	380.00		340.00	+0.00 / -0.13	380.00	+0.36 / -0.00	80.00	+0.20 / -0.00	1021.95
V350380600V3	350.00	+0.00 / -0.13	350.00	380.00		350.00	+0.00 / -0.13	380.00	+0.36 / -0.00	60.00	+0.20 / -0.00	866.90
V350390600V3	350.00	+0.00 / -0.13	350.00	390.00		350.00	+0.00 / -0.13	390.00	+0.36 / -0.00	60.00	+0.20 / -0.00	957.40
V350390800V3	350.00	+0.00 / -0.13	350.00	390.00		350.00	+0.00 / -0.13	390.00	+0.36 / -0.00	80.00	+0.20 / -0.00	1061.75
V360390470V3	360.00	+0.00 / -0.13	360.00	390.00		360.00	+0.00 / -0.13	390.00	+0.36 / -0.00	47.00	+0.20 / -0.00	1362.25
V360390600V3	360.00	+0.00 / -0.13	360.00	390.00		360.00	+0.00 / -0.13	390.00	+0.36 / -0.00	60.00	+0.20 / -0.00	894.75
V360400600V3	360.00	+0.00 / -0.13	360.00	400.00		360.00	+0.00 / -0.13	400.00	+0.36 / -0.00	60.00	+0.20 / -0.00	1040.65
V360400630V3	360.00	+0.00 / -0.13	360.00	400.00		360.00	+0.00 / -0.13	400.00	+0.36 / -0.00	63.00	+0.20 / -0.00	1077.65
V360400800V3	360.00	+0.00 / -0.13	360.00	400.00		360.00	+0.00 / -0.13	400.00	+0.36 / -0.00	80.00	+0.20 / -0.00	1117.40
V369400450V3	369.00	+0.00 / -0.13	369.00	400.00		369.00	+0.00 / -0.13	400.00	+0.36 / -0.00	45.00	+0.20 / -0.00	877.55
V400450650V3	400.00	+0.00 / -0.13	400.00	450.00		400.00	+0.00 / -0.13	450.00	+0.40 / -0.00	65.00	+0.20 / -0.00	1040.65

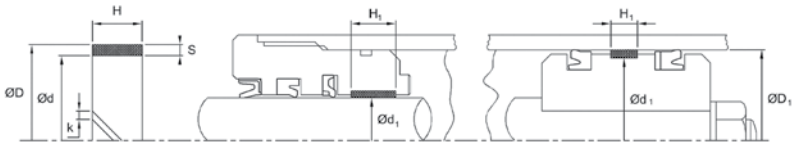


	GB	N	2
	GB/N	N	4
	WR GROOVE INFO	N	9
	GC	N	10
	CAT P.WR	N	27
	CAT R.WR	N	29
	WS-BR60	N	29
	WS-CG	N	30
INFO	DU REF. TABLE	N	31
	DU BEARING	N	33
	DU FLANGED BRG	N	41
	GE	N	42
	GE-ES2RS/Z	N	43
	GE-GS2RS/Z	N	44

GB - Guiding Elements

BR. PTFE





Temperature:

Compressive Strength

Pressure:

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G050042060GB	50.00	42.00	50.00	6.00	4.00	9.90
G050042080GB	50.00	42.00	50.00	8.00	4.00	11.45
G050042148GB	50.00	42.00	50.00	14.80	4.00	20.80
G050042950GB	50.00	42.00	50.00	9.50	4.00	13.60
G055047050GB	55.00	47.00	55.00	5.00	4.00	9.90
G055047950GB	55.00	47.00	55.00	9.50	4.00	15.00
G058050950GB	58.00	50.00	58.00	9.50	4.00	15.55
G060052060GB	60.00	52.00	60.00	6.00	4.00	11.30
G060052080GB	60.00	52.00	60.00	8.00	4.00	14.10
G060052148GB	60.00	52.00	60.00	14.80	4.00	25.20
G060052950GB	60.00	52.00	60.00	9.50	4.00	16.50
G060055095GB	60.00	55.00	60.00	9.50	2.50	16.70
G063055080GB	63.00	55.00	63.00	8.00	4.00	15.00
G063055950GB	63.00	55.00	63.00	9.50	4.00	16.70
G065057080GB	65.00	57.00	65.00	8.00	4.00	15.55
G065057950GB	65.00	57.00	65.00	9.50	4.00	17.85
G065060950GB	65.00	60.00	65.00	9.50	2.50	17.50
G070062060GB	70.00	62.00	70.00	6.00	4.00	13.40
G070062080GB	70.00	62.00	70.00	8.00	4.00	16.70
G070062148GB	70.00	62.00	70.00	14.80	4.00	29.45
G070062950GB	70.00	62.00	70.00	9.50	4.00	19.50
G075067060GB	75.00	67.00	75.00	6.00	4.00	14.10
G075067080GB	75.00	67.00	75.00	8.00	4.00	17.85
G075067148GB	75.00	67.00	75.00	14.80	4.00	31.55
G075067950GB	75.00	67.00	75.00	9.50	4.00	20.95
G075070950GB	75.00	70.00	75.00	9.50	2.50	20.95
G080072060GB	80.00	72.00	80.00	6.00	4.00	15.75
G080072080GB	80.00	72.00	80.00	8.00	4.00	18.15
G080072120GB	80.00	72.00	80.00	12.00	4.00	30.20
G080072148GB	80.00	72.00	80.00	14.80	4.00	33.95
G080072950GB	80.00	72.00	80.00	9.50	4.00	22.35
G080075060GB	80.00	75.00	80.00	6.00	2.50	15.75
G080075095GB	80.00	75.00	80.00	9.50	2.50	22.35
G085077060GB	85.00	77.00	85.00	6.00	4.00	16.50
G085077080GB	85.00	77.00	85.00	8.00	4.00	20.40
G085077148GB	85.00	77.00	85.00	14.80	4.00	36.10
G085077950GB	85.00	77.00	85.00	9.50	4.00	22.80
G085080060GB	85.00	80.00	85.00	6.00	2.50	16.50

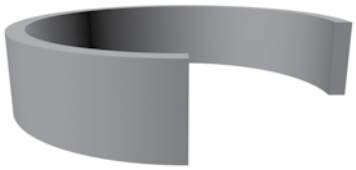
Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G085080095GB	85.00	80.00	85.00	9.50	2.50	22.80
G085080200GB	85.00	80.00	85.00	20.00	2.50	55.00
G090082060GB	90.00	82.00	90.00	6.00	4.00	17.10
G090082080GB	90.00	82.00	90.00	8.00	4.00	21.85
G090082148GB	90.00	82.00	90.00	14.80	4.00	38.20
G090082950GB	90.00	82.00	90.00	9.50	4.00	25.45
G090085060GB	90.00	85.00	90.00	6.00	4.00	17.10
G090085200GB	90.00	85.00	90.00	20.00	2.50	60.00
G090085950GB	90.00	85.00	90.00	9.50	4.00	25.45
G095087060GB	95.00	87.00	95.00	6.00	4.00	18.55
G095087080GB	95.00	87.00	95.00	8.00	4.00	23.05
G095087148GB	95.00	87.00	95.00	14.80	4.00	40.35
G095087950GB	95.00	87.00	95.00	9.50	4.00	26.90
G095090950GB	95.00	90.00	95.00	9.50	2.50	26.90
G100092060GB	100.00	92.00	100.00	6.00	4.00	19.30
G100092080GB	100.00	92.00	100.00	8.00	4.00	24.30
G100092148GB	100.00	92.00	100.00	14.80	4.00	42.65
G100092950GB	100.00	92.00	100.00	9.50	4.00	28.40
G100095060GB	100.00	95.00	100.00	6.00	2.50	19.30
G100095200GB	100.00	95.00	100.00	20.00	2.50	63.95
G100095950GB	100.00	95.00	100.00	9.50	2.50	28.40
G105097060GB	105.00	97.00	105.00	6.00	4.00	20.00
G105097080GB	105.00	97.00	105.00	8.00	4.00	25.65
G105097148GB	105.00	97.00	105.00	14.80	4.00	44.85
G105097950GB	105.00	97.00	105.00	9.50	4.00	29.75
G105100060GB	105.00	100.00	105.00	6.00	2.50	20.00
G108100950GB	108.00	100.00	108.00	9.50	4.00	30.95
G110102060GB	110.00	102.00	110.00	6.00	4.00	20.80
G110102080GB	110.00	102.00	110.00	8.00	4.00	26.90
G110102148GB	110.00	102.00	110.00	14.80	4.00	46.90
G110102950GB	110.00	102.00	110.00	9.50	4.00	31.30
G115107060GB	115.00	107.00	115.00	6.00	4.00	22.15
G115107080GB	115.00	107.00	115.00	8.00	4.00	28.40
G115107148GB	115.00	107.00	115.00	14.80	4.00	49.30
G115107950GB	115.00	107.00	115.00	9.50	4.00	33.05
G120112060GB	120.00	112.00	120.00	6.00	4.00	23.05
G120112080GB	120.00	112.00	120.00	8.00	4.00	29.45
G120112148GB	120.00	112.00	120.00	14.80	4.00	51.20

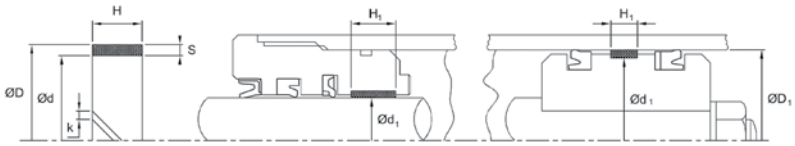
Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G120112950GB	120.00	112.00	120.00	9.50	4.00	34.50
G120115080GB	120.00	115.00	120.00	8.00	2.50	29.45
G120115950GB	120.00	115.00	120.00	9.50	2.50	32.10
G125117060GB	125.00	117.00	125.00	6.00	4.00	23.70
G125117080GB	125.00	117.00	125.00	8.00	4.00	30.65
G125117148GB	125.00	117.00	125.00	14.80	4.00	53.55
G125117950GB	125.00	117.00	125.00	9.50	4.00	35.85
G130122060GB	130.00	122.00	130.00	6.00	4.00	25.20
G130122080GB	130.00	122.00	130.00	8.00	4.00	32.10
G130122148GB	130.00	122.00	130.00	14.80	4.00	55.90
G130122950GB	130.00	122.00	130.00	9.50	4.00	37.25
G130125950GB	130.00	125.00	130.00	9.50	2.50	37.25
G135127060GB	135.00	127.00	135.00	6.00	4.00	25.65
G135127080GB	135.00	127.00	135.00	8.00	4.00	33.20
G135127148GB	135.00	127.00	135.00	14.80	4.00	57.80
G135127950GB	135.00	127.00	135.00	9.50	4.00	38.90
G135128060GB	135.00	128.00	138.00	6.00	3.50	25.65
G140132060GB	140.00	132.00	140.00	6.00	4.00	26.65
G140132080GB	140.00	132.00	140.00	8.00	4.00	34.60
G140132095GB	140.00	132.00	140.00	9.50	4.00	40.35
G140132148GB	140.00	132.00	140.00	14.80	4.00	60.20
G140135080GB	140.00	135.00	140.00	8.00	2.50	34.60
G140135095GB	140.00	135.00	140.00	9.50	2.50	40.35
G145137060GB	145.00	137.00	145.00	6.00	4.00	28.00
G145137080GB	145.00	137.00	145.00	8.00	4.00	35.85
G145137095GB	145.00	137.00	145.00	9.50	4.00	41.70
G145137148GB	145.00	137.00	145.00	14.80	4.00	61.70
G145140095GB	145.00	140.00	145.00	9.50	2.50	41.70
G150142060GB	150.00	142.00	150.00	6.00	4.00	28.75
G150142080GB	150.00	142.00	150.00	8.00	4.00	37.00
G150142095GB	150.00	142.00	150.00	9.50	4.00	43.20
G150142148GB	150.00	142.00	150.00	14.80	4.00	63.85
G155147060GB	155.00	147.00	155.00	6.00	4.00	29.45
G155147080GB	155.00	147.00	155.00	8.00	4.00	38.40
G155147095GB	155.00	147.00	155.00	9.50	4.00	44.85
G155147148GB	155.00	147.00	155.00	14.80	4.00	65.90
G160152060GB	160.00	152.00	160.00	6.00	4.00	31.10
G160152080GB	160.00	152.00	160.00	8.00	4.00	39.70
G160152095GB	160.00	152.00	160.00	9.50	4.00	46.30
G160152148GB	160.00	152.00	160.00	14.80	4.00	68.15
G165157060GB	165.00	157.00	165.00	6.00	4.00	31.55
G165157080GB	165.00	157.00	165.00	8.00	4.00	40.80
G165157095GB	165.00	157.00	165.00	9.50	4.00	47.65
G165157148GB	165.00	157.00	165.00	14.80	4.00	70.45
G170162060GB	170.00	162.00	170.00	6.00	4.00	32.30
G170162080GB	170.00	162.00	170.00	8.00	4.00	42.20
G170162095GB	170.00	162.00	170.00	9.50	4.00	49.10
G170162148GB	170.00	162.00	170.00	14.80	4.00	72.45

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G175167060GB	175.00	167.00	175.00	6.00	4.00	33.95
G175167080GB	175.00	167.00	175.00	8.00	4.00	43.40
G175167095GB	175.00	167.00	175.00	9.50	4.00	50.75
G175167148GB	175.00	167.00	175.00	14.80	4.00	74.85
G180172060GB	180.00	172.00	180.00	6.00	4.00	34.60
G180172080GB	180.00	172.00	180.00	8.00	4.00	44.85
G180172095GB	180.00	172.00	180.00	9.50	4.00	52.20
G180172148GB	180.00	172.00	180.00	14.80	4.00	76.75
G185177060GB	185.00	177.00	185.00	6.00	4.00	35.40
G185177080GB	185.00	177.00	185.00	8.00	4.00	46.00
G185177095GB	185.00	177.00	185.00	9.50	4.00	53.55
G185177148GB	185.00	177.00	185.00	14.80	4.00	79.10
G190182060GB	190.00	182.00	190.00	6.00	4.00	36.80
G190182080GB	190.00	182.00	190.00	8.00	4.00	47.30
G190182095GB	190.00	182.00	190.00	9.50	4.00	55.00
G190182148GB	190.00	182.00	190.00	14.80	4.00	81.55
G195187060GB	195.00	187.00	195.00	6.00	4.00	37.80
G195187080GB	195.00	187.00	195.00	8.00	4.00	48.65
G195187095GB	195.00	187.00	195.00	9.50	4.00	56.70
G195187148GB	195.00	187.00	195.00	14.80	4.00	83.35
G200192060GB	200.00	192.00	200.00	6.00	4.00	38.20
G200192080GB	200.00	192.00	200.00	8.00	4.00	49.80
G200192095GB	200.00	192.00	200.00	9.50	4.00	58.20
G200192148GB	200.00	192.00	200.00	14.80	4.00	85.75
G205197080GB	205.00	197.00	205.00	8.00	4.00	51.20
G205197095GB	205.00	197.00	205.00	9.50	4.00	59.75
G210202080GB	210.00	202.00	210.00	8.00	4.00	52.45
G210202095GB	210.00	202.00	210.00	9.50	4.00	61.10
G215207080GB	215.00	207.00	215.00	8.00	4.00	53.55
G215207095GB	215.00	207.00	215.00	9.50	4.00	62.60

GB/N - Guiding Elements

GF. NYLON





Compressive Strength

Temperature: -40/250F [-40/121C] **Pressure:**

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G016012096GB/N	16.00	12.00	16.00	9.60	2.00	6.95
G018014096GB/N	18.00	14.00	18.00	9.60	2.00	6.95
G020016096GB/N	20.00	16.00	20.00	9.60	2.00	6.95
G022018096GB/N	22.00	18.00	22.00	9.60	2.00	6.95
G023020040GB/N	23.10	20.00	23.10	4.00	1.55	6.95
G023020050GB/N	23.00	20.00	23.00	5.00	1.50	6.95
G024020096GB/N	24.00	20.00	24.00	9.60	2.00	6.95
G025020056GB/N	25.00	20.00	25.00	5.60	2.50	6.95
G025020097GB/N	25.00	20.00	25.00	9.70	2.50	6.95
G025021080GB/N	25.00	21.00	25.00	8.00	2.00	6.95
G025021096GB/N	25.00	21.00	25.00	9.60	2.00	6.95
G026020096GB/N	26.00	20.00	26.00	9.60	3.00	6.95
G026022096GB/N	26.00	22.00	26.00	9.60	2.00	6.95
G027022063GB/N	27.00	22.00	27.00	6.30	2.50	6.95
G028022096GB/N	28.00	22.00	28.00	9.60	3.00	6.95
G028024096GB/N	28.00	24.00	28.00	9.60	2.00	6.95
G028025040GB/N	28.10	25.00	28.10	4.00	1.55	6.95
G029025050GB/N	29.00	25.00	29.00	5.00	2.00	6.95
G029025096GB/N	29.00	25.00	29.00	9.60	2.00	6.95
G030025056GB/N	30.00	25.00	30.00	5.60	2.50	6.95
G030025097GB/N	30.00	25.00	30.00	9.70	2.50	6.95
G030026096GB/N	30.00	26.00	30.00	9.60	2.00	6.95
G031025096GB/N	31.00	25.00	31.00	9.60	3.00	6.95
G032026096GB/N	32.00	26.00	32.00	9.60	3.00	6.95
G032026102GB/N	32.00	26.00	32.00	10.20	3.00	6.95
G032027056GB/N	32.00	27.00	32.00	5.60	2.50	6.95
G032027063GB/N	32.00	27.00	32.00	6.30	2.50	6.95
G032028096GB/N	32.00	28.00	32.00	9.60	2.00	6.95
G033028056GB/N	33.00	28.00	33.00	5.60	2.50	6.95
G033028060GB/N	33.90	28.90	33.90	6.00	2.50	6.95
G033028063GB/N	33.00	28.00	33.00	6.30	2.50	6.95
G034028096GB/N	34.00	28.00	34.00	9.60	3.00	6.95
G034030096GB/N	34.00	30.00	34.00	9.60	2.00	6.95
G035029096GB/N	35.00	29.00	35.00	9.60	3.00	6.95
G035030056GB/N	35.00	30.00	35.00	5.60	2.50	6.95
G035030097GB/N	35.00	30.00	35.00	9.70	2.50	6.95
G035031080GB/N	35.00	31.00	35.00	8.00	2.00	7.65
G035031096GB/N	35.00	31.00	35.00	9.60	2.00	6.95

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G035032040GB/N	35.10	32.00	35.10	4.00	1.55	13.10
G035032097GB/N	35.00	32.00	35.00	9.70	1.50	6.95
G036030096GB/N	36.00	30.00	36.00	9.60	3.00	6.95
G036032060GB/N	36.00	32.00	36.00	6.00	2.00	6.95
G036032096GB/N	36.00	32.00	36.00	9.60	2.00	6.95
G037032056GB/N	37.00	32.00	37.00	5.60	2.50	6.95
G037032063GB/N	37.00	32.00	37.00	6.30	2.50	6.95
G037032097GB/N	37.00	32.00	37.00	9.70	2.50	6.95
G037033080GB/N	37.00	33.00	37.00	8.00	2.00	6.95
G038032096GB/N	38.00	32.00	38.00	9.60	3.00	6.95
G039033095GB/N	39.00	33.00	39.00	9.50	3.00	7.45
G039035060GB/N	39.40	35.00	39.40	6.00	2.20	6.95
G039035080GB/N	39.00	35.00	39.00	8.00	2.00	7.65
G039035096GB/N	39.00	35.00	39.00	9.60	2.00	6.95
G040034096GB/N	40.00	34.00	40.00	9.60	3.00	6.95
G040035056GB/N	40.00	35.00	40.00	5.60	2.50	6.95
G040035063GB/N	40.00	35.00	40.00	6.30	2.50	6.95
G040035097GB/N	40.00	35.00	40.00	9.70	2.50	6.95
G040036080GB/N	40.00	36.00	40.00	8.00	2.00	7.65
G040036096GB/N	40.00	36.00	40.00	9.60	2.00	6.95
G041035096GB/N	41.00	35.00	41.00	9.60	3.00	6.95
G041035127GB/N	41.00	35.00	41.00	12.70	3.00	6.95
G041035197GB/N	41.00	35.00	41.00	19.70	3.00	7.65
G041036056GB/N	41.00	36.00	41.00	5.60	2.50	6.95
G041036063GB/N	41.00	36.00	41.00	6.30	2.50	6.95
G041036075GB/N	41.00	36.00	41.00	7.50	2.50	7.65
G041036097GB/N	41.00	36.00	41.00	9.70	2.50	6.95
G042036096GB/N	42.00	36.00	42.00	9.60	3.00	6.95
G042037060GB/N	42.00	37.00	42.00	6.00	2.50	6.95
G042038096GB/N	42.00	38.00	42.00	9.60	2.00	6.95
G044040096GB/N	44.00	40.00	44.00	9.60	2.00	6.95
G044040100GB/N	44.00	40.00	44.00	10.00	2.00	6.95
G045039096GB/N	45.00	39.00	45.00	9.60	3.00	6.95
G045040050GB/N	45.00	40.00	45.00	5.00	2.50	7.65
G045040056GB/N	45.00	40.00	45.00	5.60	2.50	6.95
G045040080GB/N	45.00	40.00	45.00	8.00	2.50	7.65
G045040097GB/N	45.00	40.00	45.00	9.70	2.50	6.95
G045040100GB/N	45.00	40.00	45.00	10.00	2.50	6.95

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Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G045041080GB/N	45.00	41.00	45.00	8.00	2.00	7.65
G045041096GB/N	45.00	41.00	45.00	9.60	2.00	6.95
G046040096GB/N	46.00	40.00	46.00	9.60	3.00	6.95
G046040127GB/N	46.00	40.00	46.00	12.70	3.00	7.65
G046042096GB/N	46.00	42.00	46.00	9.60	2.00	6.95
G049045200GB/N	49.00	45.00	49.00	20.00	2.00	8.40
G050044096GB/N	50.00	44.00	50.00	9.60	3.00	6.95
G050044127GB/N	50.00	44.00	50.00	12.70	3.00	7.65
G050045056GB/N	50.00	45.00	50.00	5.60	2.50	6.95
G050045097GB/N	50.00	45.00	50.00	9.70	2.50	6.95
G050045100GB/N	50.00	45.00	50.00	10.00	2.50	6.95
G050046100GB/N	50.00	46.00	50.00	10.00	2.00	6.95
G050046150GB/N	50.00	46.00	50.00	15.00	2.00	10.00
G051045096GB/N	51.00	45.00	51.00	9.60	3.00	6.95
G051045127GB/N	51.00	45.00	51.00	12.70	3.00	7.25
G051047060GB/N	51.70	47.00	51.70	6.00	2.35	9.50
G052047300GB/N	52.00	47.00	52.00	30.00	2.50	10.70
G054050096GB/N	54.00	50.00	54.00	9.60	2.00	6.95
G055049096GB/N	55.00	49.00	55.00	9.60	3.00	6.95
G055049127GB/N	55.00	49.00	55.00	12.70	3.00	7.65
G055050056GB/N	55.00	50.00	55.00	5.60	2.50	6.95
G055050097GB/N	55.00	50.00	55.00	9.70	2.50	6.95
G055050100GB/N	55.00	50.00	55.00	10.00	2.50	9.25
G055051096GB/N	55.00	51.00	55.00	9.60	2.00	6.95
G055052150GB/N	55.00	52.00	55.00	15.00	1.50	10.00
G056050096GB/N	56.00	50.00	56.00	9.60	3.00	6.95
G056050127GB/N	56.00	50.00	56.00	12.70	3.00	7.65
G058052096GB/N	58.00	52.00	58.00	9.60	3.00	6.95
G059055080GB/N	59.00	55.00	59.00	8.00	2.00	10.00
G060054096GB/N	60.00	54.00	60.00	9.60	3.00	6.95
G060054127GB/N	60.00	54.00	60.00	12.70	3.00	9.25
G060055056GB/N	60.00	55.00	60.00	5.60	2.50	6.95
G060055097GB/N	60.00	55.00	60.00	9.70	2.50	6.95
G060056096GB/N	60.00	56.00	60.00	9.60	2.00	6.95
G060056100GB/N	60.00	56.00	60.00	10.00	2.00	9.25
G061055096GB/N	61.00	55.00	61.00	9.60	3.00	6.95
G061055127GB/N	61.00	55.00	61.00	12.70	3.00	9.25
G061055258GB/N	61.00	55.00	61.00	25.80	3.00	16.05
G061056056GB/N	61.00	56.00	61.00	5.60	2.50	6.95
G061056097GB/N	61.00	56.00	61.00	9.70	2.50	9.25
G061056100GB/N	61.00	56.00	61.00	10.00	2.50	9.25
G062050200GB/N	62.70	50.00	62.70	20.00	6.35	11.05
G062056096GB/N	62.00	56.00	62.00	9.60	3.00	6.95
G062056127GB/N	62.00	56.00	62.00	12.70	3.00	10.70
G063057093GB/N	63.50	57.10	63.50	9.30	3.20	6.95
G063057096GB/N	63.00	57.00	63.00	9.60	3.00	6.95
G063057127GB/N	63.00	57.00	63.00	12.70	3.00	10.70
G063058056GB/N	63.00	58.00	63.00	5.60	2.50	6.95
G063058097GB/N	63.00	58.00	63.00	9.70	2.50	10.00
G063058100GB/N	63.00	58.00	63.00	10.00	2.50	10.00
G063059080GB/N	63.00	59.00	63.00	8.00	2.00	10.00
G063059100GB/N	63.00	59.00	63.00	10.00	2.00	10.00
G064058127GB/N	64.00	58.00	64.00	12.70	3.00	10.60
G064060100GB/N	64.00	60.00	64.00	10.00	2.00	9.25
G064060192GB/N	64.00	60.00	64.00	19.20	2.00	13.10
G065059096GB/N	65.00	59.00	65.00	9.60	3.00	6.95
G065059127GB/N	65.00	59.00	65.00	12.70	3.00	10.70
G065060056GB/N	65.00	60.00	65.00	5.60	2.50	7.65
G065060097GB/N	65.00	60.00	65.00	9.70	2.50	10.00
G065060300GB/N	65.00	60.00	65.00	30.00	2.50	13.80
G065062197GB/N	65.00	62.00	65.00	19.70	1.50	13.10
G066060096GB/N	66.00	60.00	66.00	9.60	3.00	6.95
G066060127GB/N	66.00	60.00	66.00	12.70	3.00	10.70
G066060150GB/N	66.00	60.00	66.00	15.00	3.00	12.20
G066060390GB/N	66.00	60.00	66.00	39.00	3.00	14.40
G066061097GB/N	66.00	61.00	66.00	9.70	2.50	10.00
G068062127GB/N	68.00	62.00	68.00	12.70	3.00	10.70
G068063056GB/N	68.00	63.00	68.00	5.60	2.50	7.65
G068063097GB/N	68.00	63.00	68.00	9.70	2.50	10.00
G069063127GB/N	69.00	63.00	69.00	12.70	3.00	10.70
G069065100GB/N	69.00	65.00	69.00	10.00	2.00	9.25
G070064096GB/N	70.00	64.00	70.00	9.60	3.00	7.65
G070064127GB/N	70.00	64.00	70.00	12.70	3.00	10.70
G070065056GB/N	70.00	65.00	70.00	5.60	2.50	10.00
G070065097GB/N	70.00	65.00	70.00	9.70	2.50	10.70
G070065150GB/N	70.00	65.00	70.00	15.00	2.50	13.10
G070066100GB/N	70.00	66.00	70.00	10.00	2.00	10.70
G071065127GB/N	71.00	65.00	71.00	12.70	3.00	10.70
G074070150GB/N	74.00	70.00	74.00	15.00	2.00	13.80
G075069096GB/N	75.00	69.00	75.00	9.60	3.00	7.65
G075069127GB/N	75.00	69.00	75.00	12.70	3.00	11.50
G075070056GB/N	75.00	70.00	75.00	5.60	2.50	11.50
G075070097GB/N	75.00	70.00	75.00	9.70	2.50	10.70
G075070100GB/N	75.00	70.00	75.00	10.00	2.50	10.70
G075070150GB/N	75.00	70.00	75.00	15.00	2.50	13.80
G075071150GB/N	75.00	71.00	75.00	15.00	2.00	13.10
G076069095GB/N	76.20	69.85	76.20	9.52	3.18	3.85
G076070096GB/N	76.00	70.00	76.00	9.60	3.00	7.65
G076070127GB/N	76.00	70.00	76.00	12.70	3.00	11.50
G076070192GB/N	76.00	70.00	76.00	19.20	3.00	13.10
G076070270GB/N	76.00	70.00	76.00	27.00	3.00	16.05
G078072127GB/N	78.00	72.00	78.00	12.70	3.00	13.10
G079075080GB/N	79.00	75.00	79.00	8.00	2.00	13.10
G080074127GB/N	80.00	74.00	80.00	12.70	3.00	13.10
G080074192GB/N	80.00	74.00	80.00	19.20	3.00	13.80
G080075097GB/N	80.00	75.00	80.00	9.70	2.50	12.20

GB/N SERIES - GF.NYLON

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G080075100GB/N	80.00	75.00	80.00	10.00	2.50	10.70
G080075150GB/N	80.00	75.00	80.00	15.00	2.50	13.80
G080076150GB/N	80.00	76.00	80.00	15.00	2.00	13.10
G081075127GB/N	81.00	75.00	81.00	12.70	3.00	13.10
G081075192GB/N	81.00	75.00	81.00	19.20	3.00	13.80
G081076097GB/N	81.00	76.00	81.00	9.70	2.50	10.70
G082076127GB/N	82.50	76.50	82.50	12.70	3.00	13.10
G085079127GB/N	85.00	79.00	85.00	12.70	3.00	13.10
G085080097GB/N	85.00	80.00	85.00	9.70	2.50	10.70
G085080100GB/N	85.00	80.00	85.00	10.00	2.50	10.70
G085080150GB/N	85.00	80.00	85.00	15.00	2.50	13.10
G085080197GB/N	85.00	80.00	85.00	19.70	2.50	13.80
G085081080GB/N	85.00	81.00	85.00	8.00	2.00	9.25
G086080127GB/N	86.00	80.00	86.00	12.70	3.00	13.10
G086080150GB/N	86.00	80.00	86.00	15.00	3.00	13.10
G086080192GB/N	86.00	80.00	86.00	19.20	3.00	13.80
G086080254GB/N	86.00	80.00	86.00	25.40	3.00	16.75
G088082127GB/N	88.00	82.00	88.00	12.70	3.00	13.10
G088082130GB/N	88.00	82.00	88.00	13.00	3.00	13.10
G090084127GB/N	90.00	84.00	90.00	12.70	3.00	13.10
G090085097GB/N	90.00	85.00	90.00	9.70	2.50	11.50
G090085100GB/N	90.00	85.00	90.00	10.00	2.50	11.50
G090085150GB/N	90.00	85.00	90.00	15.00	2.50	14.55
G090086150GB/N	90.00	86.00	90.00	15.00	2.00	13.80
G091085127GB/N	91.00	85.00	91.00	12.70	3.00	13.10
G091085192GB/N	91.00	85.00	91.00	19.20	3.00	13.80
G091085243GB/N	91.00	85.00	91.00	24.30	3.00	16.75
G094090150GB/N	94.00	90.00	94.00	15.00	2.00	13.80
G095089127GB/N	95.00	89.00	95.00	12.70	3.00	13.10
G095090097GB/N	95.00	90.00	95.00	9.70	2.50	11.50
G095090100GB/N	95.00	90.00	95.00	10.00	2.50	11.50
G095090150GB/N	95.00	90.00	95.00	15.00	2.50	15.30
G096090096GB/N	96.00	90.00	96.00	9.60	3.00	10.00
G096090127GB/N	96.00	90.00	96.00	12.70	3.00	13.10
G096090192GB/N	96.00	90.00	96.00	19.20	3.00	13.80
G096091096GB/N	96.00	91.00	96.00	9.60	2.50	11.50
G098090180GB/N	98.00	90.00	98.00	18.00	4.00	14.55
G098092060GB/N	98.80	92.80	98.80	6.00	3.00	13.30
G098092127GB/N	98.00	92.00	98.00	12.70	3.00	13.10
G099095080GB/N	99.00	95.00	99.00	8.00	2.00	13.80
G100094127GB/N	100.00	94.00	100.00	12.70	3.00	13.10
G100095097GB/N	100.00	95.00	100.00	9.70	2.50	13.10
G100095100GB/N	100.00	95.00	100.00	10.00	2.50	13.10
G100095150GB/N	100.00	95.00	100.00	15.00	2.50	15.30
G100095200GB/N	100.00	95.00	100.00	20.00	2.50	14.55
G100096150GB/N	100.00	96.00	100.00	15.00	2.00	13.80
G101095127GB/N	101.00	95.00	101.00	12.70	3.00	13.10
G101095192GB/N	101.00	95.00	101.00	19.20	3.00	15.30

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G105099127GB/N	105.00	99.00	105.00	12.70	3.00	13.10
G105099192GB/N	105.00	99.00	105.00	19.20	3.00	16.05
G105100097GB/N	105.00	100.00	105.00	9.70	2.50	13.10
G105100100GB/N	105.00	100.00	105.00	10.00	2.50	13.10
G105100150GB/N	105.00	100.00	105.00	15.00	2.50	15.30
G105101200GB/N	105.00	101.00	105.00	20.00	2.00	16.05
G106100127GB/N	106.00	100.00	106.00	12.70	3.00	13.10
G106100192GB/N	106.00	100.00	106.00	19.20	3.00	16.05
G107101093GB/N	107.95	101.57	107.95	9.30	3.19	17.60
G108102127GB/N	108.00	102.00	108.00	12.70	3.00	13.10
G108102130GB/N	108.00	102.00	108.00	13.00	3.00	13.10
G110102100GB/N	110.00	102.00	110.00	10.00	4.00	14.55
G110104127GB/N	110.00	104.00	110.00	12.70	3.00	13.10
G110104192GB/N	110.00	104.00	110.00	19.20	3.00	16.75
G110104254GB/N	110.00	104.00	110.00	25.40	3.00	19.85
G110105097GB/N	110.00	105.00	110.00	9.70	2.50	13.10
G110105100GB/N	110.00	105.00	110.00	10.00	2.50	13.10
G110105150GB/N	110.00	105.00	110.00	15.00	2.50	15.30
G110106150GB/N	110.00	106.00	110.00	15.00	2.00	14.55
G110106200GB/N	110.00	106.00	110.00	20.00	2.00	15.30
G111105127GB/N	111.00	105.00	111.00	12.70	3.00	13.10
G111105192GB/N	111.00	105.00	111.00	19.20	3.00	16.75
G115109127GB/N	115.00	109.00	115.00	12.70	3.00	13.10
G115109192GB/N	115.00	109.00	115.00	19.20	3.00	16.75
G115109254GB/N	115.00	109.00	115.00	25.40	3.00	19.85
G115110097GB/N	115.00	110.00	115.00	9.70	2.50	13.10
G115110100GB/N	115.00	110.00	115.00	10.00	2.50	13.10
G115110150GB/N	115.00	110.00	115.00	15.00	2.50	15.30
G116110127GB/N	116.00	110.00	116.00	12.70	3.00	13.10
G116110192GB/N	116.00	110.00	116.00	19.20	3.00	16.75
G116110254GB/N	116.00	110.00	116.00	25.40	3.00	19.85
G117113077GB/N	117.00	113.00	117.00	7.70	2.00	16.75
G118110200GB/N	118.00	110.00	118.00	20.00	4.00	16.75
G120112100GB/N	120.00	112.00	120.00	10.00	4.00	16.75
G120114127GB/N	120.00	114.00	120.00	12.70	3.00	14.55
G120114192GB/N	120.00	114.00	120.00	19.20	3.00	16.75
G120114254GB/N	120.00	114.00	120.00	25.40	3.00	21.30
G120114300GB/N	120.00	114.00	120.00	30.00	3.00	23.65
G120115150GB/N	120.00	115.00	120.00	15.00	2.50	16.05
G121115127GB/N	121.00	115.00	121.00	12.70	3.00	14.55
G121115192GB/N	121.00	115.00	121.00	19.20	3.00	16.75
G121115254GB/N	121.00	115.00	121.00	25.40	3.00	21.30
G123117060GB/N	123.60	117.00	123.60	6.00	3.30	18.95
G125119127GB/N	125.00	119.00	125.00	12.70	3.00	15.30
G125119192GB/N	125.00	119.00	125.00	19.20	3.00	16.75
G125119254GB/N	125.00	119.00	125.00	25.40	3.00	21.30
G125120150GB/N	125.00	120.00	125.00	15.00	2.50	16.05
G125120160GB/N	125.00	120.00	125.00	16.00	2.50	16.05

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G126120127GB/N	126.00	120.00	126.00	12.70	3.00	15.30
G126120192GB/N	126.00	120.00	126.00	19.20	3.00	16.75
G126120254GB/N	126.00	120.00	126.00	25.40	3.00	21.30
G130120300GB/N	130.00	120.00	130.00	30.00	5.00	31.25
G130124127GB/N	130.00	124.00	130.00	12.70	3.00	16.75
G130124192GB/N	130.00	124.00	130.00	19.20	3.00	17.60
G130124254GB/N	130.00	124.00	130.00	25.40	3.00	23.65
G130125150GB/N	130.00	125.00	130.00	15.00	2.50	16.75
G130125160GB/N	130.00	125.00	130.00	16.00	2.50	16.75
G131125127GB/N	131.00	125.00	131.00	12.70	3.00	16.75
G131125192GB/N	131.00	125.00	131.00	19.20	3.00	17.60
G131125250GB/N	131.00	125.00	131.00	25.00	3.00	23.65
G131125254GB/N	131.00	125.00	131.00	25.40	3.00	23.65
G133127192GB/N	133.00	127.00	133.00	19.20	3.00	17.60
G135129127GB/N	135.00	129.00	135.00	12.70	3.00	16.75
G135129130GB/N	135.00	129.00	135.00	13.00	3.00	16.75
G135129192GB/N	135.00	129.00	135.00	19.20	3.00	17.60
G135130150GB/N	135.00	130.00	135.00	15.00	2.50	17.60
G136130127GB/N	136.00	130.00	136.00	12.70	3.00	16.75
G136130140GB/N	136.00	130.00	136.00	14.00	3.00	22.15
G136130192GB/N	136.00	130.00	136.00	19.20	3.00	17.60
G136130200GB/N	136.00	130.00	136.00	20.00	3.00	20.60
G136130254GB/N	136.00	130.00	136.00	25.40	3.00	23.65
G136132077GB/N	136.00	132.00	136.00	7.70	2.00	14.55
G140134127GB/N	140.00	134.00	140.00	12.70	3.00	16.75
G140134192GB/N	140.00	134.00	140.00	19.20	3.00	19.05
G140134200GB/N	140.00	134.00	140.00	20.00	3.00	21.30
G140134254GB/N	140.00	134.00	140.00	25.40	3.00	30.55
G140135150GB/N	140.00	135.00	140.00	15.00	2.50	17.60
G140135160GB/N	140.00	135.00	140.00	16.00	2.50	17.60
G140136080GB/N	140.00	136.00	140.00	8.00	2.00	13.10
G140136200GB/N	140.00	136.00	140.00	20.00	2.00	19.05
G141135127GB/N	141.00	135.00	141.00	12.70	3.00	16.75
G141135192GB/N	141.00	135.00	141.00	19.20	3.00	20.60
G145139127GB/N	145.00	139.00	145.00	12.70	3.00	16.75
G145139192GB/N	145.00	139.00	145.00	19.20	3.00	21.30
G145140150GB/N	145.00	140.00	145.00	15.00	2.50	19.05
G145140160GB/N	145.00	140.00	145.00	16.00	2.50	19.05
G145140170GB/N	145.00	140.00	145.00	17.00	2.50	19.05
G145140250GB/N	145.00	140.00	145.00	25.00	2.50	28.95
G146140127GB/N	146.00	140.00	146.00	12.70	3.00	16.75
G146140192GB/N	146.00	140.00	146.00	19.20	3.00	21.30
G146140254GB/N	146.00	140.00	146.00	25.40	3.00	28.25
G146140317GB/N	146.00	140.00	146.00	31.70	3.00	31.25
G150144127GB/N	150.00	144.00	150.00	12.70	3.00	19.05
G150144192GB/N	150.00	144.00	150.00	19.20	3.00	21.30
G150145150GB/N	150.00	145.00	150.00	15.00	2.50	20.60
G150145160GB/N	150.00	145.00	150.00	16.00	2.50	20.60

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G150145250GB/N	150.00	145.00	150.00	25.00	2.50	29.70
G151145127GB/N	151.00	145.00	151.00	12.70	3.00	19.05
G151145192GB/N	151.00	145.00	151.00	19.20	3.00	21.30
G151145254GB/N	151.00	145.00	151.00	25.40	3.00	30.55
G151145317GB/N	151.00	145.00	151.00	31.70	3.00	31.25
G154148254GB/N	154.00	148.00	154.00	25.40	3.00	30.55
G154148317GB/N	154.00	148.00	154.00	31.70	3.00	31.25
G155149192GB/N	155.00	149.00	155.00	19.20	3.00	21.30
G155150150GB/N	155.00	150.00	155.00	15.00	2.50	20.60
G155150250GB/N	155.00	150.00	155.00	25.00	2.50	30.55
G156150127GB/N	156.00	150.00	156.00	12.70	3.00	19.05
G156150192GB/N	156.00	150.00	156.00	19.20	3.00	21.30
G156150254GB/N	156.00	150.00	156.00	25.40	3.00	30.55
G156150317GB/N	156.00	150.00	156.00	31.70	3.00	31.25
G160154127GB/N	160.00	154.00	160.00	12.70	3.00	19.05
G160154192GB/N	160.00	154.00	160.00	19.20	3.00	21.30
G160155150GB/N	160.00	155.00	160.00	15.00	2.50	21.30
G160155160GB/N	160.00	155.00	160.00	16.00	2.50	21.30
G160155250GB/N	160.00	155.00	160.00	25.00	2.50	32.00
G161155127GB/N	161.00	155.00	161.00	12.70	3.00	19.05
G161155192GB/N	161.00	155.00	161.00	19.20	3.00	21.30
G161155254GB/N	161.00	155.00	161.00	25.40	3.00	32.00
G164157060GB/N	164.00	157.00	164.00	6.00	3.50	19.85
G164158130GB/N	164.00	158.00	164.00	13.00	3.00	19.05
G165159192GB/N	165.00	159.00	165.00	19.20	3.00	22.15
G165159254GB/N	165.00	159.00	165.00	25.40	3.00	32.00
G165159317GB/N	165.00	159.00	165.00	31.70	3.00	36.55
G165160150GB/N	165.00	160.00	165.00	15.00	2.50	21.30
G165160160GB/N	165.00	160.00	165.00	16.00	2.50	22.90
G165160250GB/N	165.00	160.00	165.00	25.00	2.50	32.00
G166160127GB/N	166.00	160.00	166.00	12.70	3.00	19.05
G166160192GB/N	166.00	160.00	166.00	19.20	3.00	22.15
G166160254GB/N	166.00	160.00	166.00	25.40	3.00	32.00
G166160300GB/N	166.00	160.00	166.00	30.00	3.00	32.80
G170164127GB/N	170.00	164.00	170.00	12.70	3.00	19.05
G170164192GB/N	170.00	164.00	170.00	19.20	3.00	26.70
G170164254GB/N	170.00	164.00	170.00	25.40	3.00	32.00
G170165150GB/N	170.00	165.00	170.00	15.00	2.50	22.15
G170165250GB/N	170.00	165.00	170.00	25.00	2.50	32.80
G171165127GB/N	171.00	165.00	171.00	12.70	3.00	19.05
G171165192GB/N	171.00	165.00	171.00	19.20	3.00	23.65
G171165254GB/N	171.00	165.00	171.00	25.40	3.00	32.00
G171165317GB/N	171.00	165.00	171.00	31.70	3.00	36.55
G173166060GB/N	173.00	166.00	173.00	6.00	3.50	19.85
G175169127GB/N	175.00	169.00	175.00	12.70	3.00	19.05
G175169192GB/N	175.00	169.00	175.00	19.20	3.00	25.15
G175169254GB/N	175.00	169.00	175.00	25.40	3.00	32.00
G175169317GB/N	175.00	169.00	175.00	31.70	3.00	36.55

GB/N SERIES - GF.NYLON

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G175170150GB/N	175.00	170.00	175.00	15.00	2.50	23.65
G175170160GB/N	175.00	170.00	175.00	16.00	2.50	23.65
G175170250GB/N	175.00	170.00	175.00	25.00	2.50	32.80
G176170192GB/N	176.00	170.00	176.00	19.20	3.00	25.15
G176170254GB/N	176.00	170.00	176.00	25.40	3.00	32.00
G180174130GB/N	180.00	174.00	180.00	13.00	3.00	19.05
G180174140GB/N	180.00	174.00	180.00	14.00	3.00	27.45
G180174192GB/N	180.00	174.00	180.00	19.20	3.00	25.15
G180174300GB/N	180.00	174.00	180.00	30.00	3.00	32.80
G180174317GB/N	180.00	174.00	180.00	31.70	3.00	36.55
G180175150GB/N	180.00	175.00	180.00	15.00	2.50	23.65
G180175160GB/N	180.00	175.00	180.00	16.00	2.50	23.65
G180175250GB/N	180.00	175.00	180.00	25.00	2.50	33.50
G180176250GB/N	180.00	176.00	180.00	25.00	2.00	32.00
G181175130GB/N	181.00	175.00	181.00	13.00	3.00	19.05
G185179192GB/N	185.00	179.00	185.00	19.20	3.00	25.15
G185179254GB/N	185.00	179.00	185.00	25.40	3.00	32.00
G185180150GB/N	185.00	180.00	185.00	15.00	2.50	24.40
G185180160GB/N	185.00	180.00	185.00	16.00	2.50	23.65
G185180250GB/N	185.00	180.00	185.00	25.00	2.50	33.50
G186180192GB/N	186.00	180.00	186.00	19.20	3.00	25.15
G186180254GB/N	186.00	180.00	186.00	25.40	3.00	32.00
G190184192GB/N	190.00	184.00	190.00	19.20	3.00	32.00
G190184254GB/N	190.00	184.00	190.00	25.40	3.00	32.00
G190184317GB/N	190.00	184.00	190.00	31.70	3.00	37.35
G190185150GB/N	190.00	185.00	190.00	15.00	2.50	24.40
G190185250GB/N	190.00	185.00	190.00	25.00	2.50	35.10
G193187250GB/N	193.00	187.00	193.00	25.00	3.00	31.25
G195190150GB/N	195.00	190.00	195.00	15.00	2.50	25.15
G195190160GB/N	195.00	190.00	195.00	16.00	2.50	23.65
G195190250GB/N	195.00	190.00	195.00	25.00	2.50	36.55
G196190130GB/N	196.00	190.00	196.00	13.00	3.00	27.45
G196190140GB/N	196.00	190.00	196.00	14.00	3.00	27.45
G196190192GB/N	196.00	190.00	196.00	19.20	3.00	32.00
G196190250GB/N	196.00	190.00	196.00	25.00	3.00	32.00
G196190254GB/N	196.00	190.00	196.00	25.40	3.00	32.00
G199193130GB/N	199.00	193.00	199.00	13.00	3.00	20.60
G200194192GB/N	200.00	194.00	200.00	19.20	3.00	32.00
G200194254GB/N	200.00	194.00	200.00	25.40	3.00	32.00
G200194317GB/N	200.00	194.00	200.00	31.70	3.00	57.85
G200194445GB/N	200.00	194.00	200.00	44.45	3.00	29.70
G200195160GB/N	200.00	195.00	200.00	16.00	2.50	23.65
G200195250GB/N	200.00	195.00	200.00	25.00	2.50	34.25
G200196250GB/N	200.00	196.00	200.00	25.00	2.00	32.00
G205200250GB/N	205.00	200.00	205.00	25.00	2.50	42.60
G206200192GB/N	206.00	200.00	206.00	19.20	3.00	32.00
G206200254GB/N	206.00	200.00	206.00	25.40	3.00	57.85
G210202300GB/N	210.00	202.00	210.00	30.00	4.00	77.70

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G210204192GB/N	210.00	204.00	210.00	19.20	3.00	51.85
G210204254GB/N	210.00	204.00	210.00	25.40	3.00	57.85
G210204317GB/N	210.00	204.00	210.00	31.70	3.00	57.85
G210205250GB/N	210.00	205.00	210.00	25.00	2.50	45.70
G215210250GB/N	215.00	210.00	215.00	25.00	2.50	49.45
G216210192GB/N	216.00	210.00	216.00	19.20	3.00	51.85
G216210254GB/N	216.00	210.00	216.00	25.40	3.00	57.85
G216210317GB/N	216.00	210.00	216.00	31.70	3.00	57.85
G220214192GB/N	220.00	214.00	220.00	19.20	3.00	51.85
G220214254GB/N	220.00	214.00	220.00	25.40	3.00	57.85
G220215250GB/N	220.00	215.00	220.00	25.00	2.50	51.85
G225219192GB/N	225.00	219.00	225.00	19.20	3.00	48.75
G225220250GB/N	225.00	220.00	225.00	25.00	2.50	54.80
G226220254GB/N	226.00	220.00	226.00	25.40	3.00	57.85
G226220317GB/N	226.00	220.00	226.00	31.70	3.00	57.85
G230224192GB/N	230.00	224.00	230.00	19.20	3.00	51.85
G230224254GB/N	230.00	224.00	230.00	25.40	3.00	57.85
G230224317GB/N	230.00	224.00	230.00	31.70	3.00	57.85
G230225250GB/N	230.00	225.00	230.00	25.00	2.50	56.40
G233227192GB/N	233.00	227.00	233.00	19.20	3.00	51.85
G233227254GB/N	233.00	227.00	233.00	25.40	3.00	57.85
G235230250GB/N	235.00	230.00	235.00	25.00	2.50	57.85
G236230192GB/N	236.00	230.00	236.00	19.20	3.00	51.85
G240234192GB/N	240.00	234.00	240.00	19.20	3.00	51.85
G240235250GB/N	240.00	235.00	240.00	25.00	2.50	59.35
G245240250GB/N	245.00	240.00	245.00	25.00	2.50	60.95
G246240192GB/N	246.00	240.00	246.00	19.20	3.00	51.85
G250244192GB/N	250.00	244.00	250.00	19.20	3.00	51.85
G250245250GB/N	250.00	245.00	250.00	25.00	2.50	62.45
G255250250GB/N	255.00	250.00	255.00	25.00	2.50	63.90
G256250192GB/N	256.00	250.00	256.00	19.20	3.00	51.85
G266260192GB/N	266.00	260.00	266.00	19.20	3.00	51.85
G270264192GB/N	270.00	264.00	270.00	19.20	3.00	51.85
G276270192GB/N	276.00	270.00	276.00	19.20	3.00	51.85
G280274192GB/N	280.00	274.00	280.00	19.20	3.00	51.85
G286280192GB/N	286.00	280.00	286.00	19.20	3.00	51.85
G290284120GB/N	290.00	284.00	290.00	12.00	3.00	51.85
G296290192GB/N	296.00	290.00	296.00	19.20	3.00	51.85
G300294192GB/N	300.00	294.00	300.00	19.20	3.00	51.85
G306300192GB/N	306.00	300.00	306.00	19.20	3.00	51.85

Formula for calculating rod wear ring grooves

D1 Min.Groove Dia. = d Max.Rod Dia.
+2 (Max.Wear Ring C/S)
D1 tolerance = +.08/-.00

d1 Min.Throat Dia. = [D1 - 2(Min.Wear Ring C/S)] + 2(Min. Radial Clearance of .13).
d1 tolerance = +.08/-.00

H1 Groove Lenth = Actual Part Height + .25
H1 tolerance = +.025/-.00

NOTES:
1. Rod throat diameter d1 is a new diameter over and above the diameter which is normally called out for the rod seal. Additional diameter clearance is required as noted for the wear ring to function properly. Since a larger clearance gap results, consideration as to the rod seal compounds must be made to avoid rod seal extrusion.

2. Also consider wear ring groove design for small diameter sizes. Installation problems on small size will occur if the groove design is not compensated.

Formula for calculating piston wear ring grooves

d1 Max.Groove Dia. = D1 Min.Bore Dia.
- 2 (Max.Wear Ring C/S)
d1 tolerance = +.00/-.13

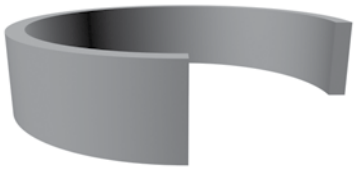
P Max.Piston Dia. = [d1 Min.Groove Dia. + 2(Min.Wear Ring C/S)] - 2(Min. Radial Clearance of .13).
P tolerance = +.00/-.13

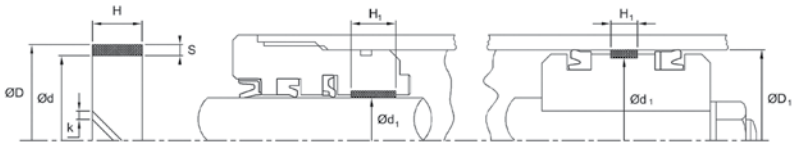
H1 Groove Lenth = Actual Part Height + .25
H1 tolerance = +.25/-.00

NOTES:
1. The piston diameter P will not correspond to diameters called out for the piston seals. Additional clearances are required for wear ring use. Be sure the entire outside diameter of the piston is no larger than P. Be sure the piston seal compound is considered to prevent extrusion of the piston seal with the new increased diameter clearance.

GC - Guiding Elements

Phenolic





Compressive Strength

Temperature: -67/248F [-55/120C] **Pressure: 60000 PSI [4138 Bar]**

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G015012063GC	15.00	12.00	15.00	6.30	1.50	6.70
G016011056GC	16.00	11.00	16.00	5.60	2.50	6.70
G019016060GC	19.00	16.00	19.00	6.00	1.50	6.70
G020015056GC	20.00	15.00	20.00	5.60	2.50	6.70
G020016080GC	20.00	16.00	20.00	8.00	2.00	6.70
G020016100GC	20.00	16.00	20.00	10.00	2.00	7.20
G021016056GC	21.00	16.00	21.00	5.60	2.50	6.70
G021018060GC	21.00	18.00	21.00	6.00	1.50	6.70
G022018080GC	22.00	18.00	22.00	8.00	2.00	6.70
G023018056GC	23.00	18.00	23.00	5.60	2.50	6.70
G023020200GC	23.00	20.00	23.00	20.00	1.50	8.95
G024018100GC	24.00	18.00	24.00	10.00	3.00	7.20
G024020080GC	24.00	20.00	24.00	8.00	2.00	6.70
G024020200GC	24.00	20.00	24.00	20.00	2.00	8.95
G025020056GC	25.00	20.00	25.00	5.60	2.50	6.70
G025020097GC	25.00	20.00	25.00	9.70	2.50	7.20
G025021080GC	25.00	21.00	25.00	8.00	2.00	6.70
G025022100GC	25.00	22.00	25.00	10.00	1.50	7.20
G026020100GC	26.00	20.00	26.00	10.00	3.00	7.20
G026022080GC	26.00	22.00	26.00	8.00	2.00	6.70
G026022097GC	26.00	22.00	26.00	9.70	2.00	7.20
G026022150GC	26.00	22.00	26.00	15.00	2.00	7.55
G027022056GC	27.00	22.00	27.00	5.60	2.50	6.70
G028024080GC	28.00	24.00	28.00	8.00	2.00	6.70
G028025080GC	28.00	25.00	28.00	8.00	1.50	6.70
G028025100GC	28.00	25.00	28.00	10.00	1.50	7.20
G028025200GC	28.00	25.00	28.00	20.00	1.50	9.20
G029022080GC	29.00	22.00	29.00	8.00	3.50	6.70
G029022200GC	29.00	22.00	29.00	20.00	3.50	8.95
G029022250GC	29.00	22.00	29.00	25.00	3.50	9.20
G029025080GC	29.00	25.00	29.00	8.00	2.00	6.70
G029025100GC	29.00	25.00	29.00	10.00	2.00	7.20
G029025200GC	29.00	25.00	29.00	20.00	2.00	8.95
G029025250GC	29.00	25.00	29.00	25.00	2.00	9.20
G030022080GC	30.00	22.00	30.00	8.00	4.00	6.70
G030022150GC	30.00	22.00	30.00	15.00	4.00	7.85
G030022200GC	30.00	22.00	30.00	20.00	4.00	9.20
G030025056GC	30.00	25.00	30.00	5.60	2.50	6.70

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G030025080GC	30.00	25.00	30.00	8.00	2.50	6.70
G030025097GC	30.00	25.00	30.00	9.70	2.50	7.20
G030025100GC	30.00	25.00	30.00	10.00	2.50	7.20
G030025150GC	30.00	25.00	30.00	15.00	2.50	7.85
G030025200GC	30.00	25.00	30.00	20.00	2.50	9.20
G030026080GC	30.00	26.00	30.00	8.00	2.00	6.70
G031022080GC	31.00	22.00	31.00	8.00	4.50	6.70
G031022160GC	31.00	22.00	31.00	16.00	4.50	8.45
G031025100GC	31.00	25.00	31.00	10.00	3.00	7.20
G031025160GC	31.00	25.00	31.00	16.00	3.00	8.45
G031027155GC	31.80	27.70	31.80	15.50	2.05	O/R
G031028100GC	31.00	28.00	31.00	10.00	1.50	7.20
G031028160GC	31.00	28.00	31.00	16.00	1.50	8.95
G032022080GC	32.00	22.00	32.00	8.00	5.00	6.95
G032022200GC	32.00	22.00	32.00	20.00	5.00	9.55
G032025080GC	32.00	25.00	32.00	8.00	3.50	6.95
G032025200GC	32.00	25.00	32.00	20.00	3.50	9.55
G032027056GC	32.00	27.00	32.00	5.60	2.50	6.70
G032028080GC	32.00	28.00	32.00	8.00	2.00	6.95
G032028100GC	32.00	28.00	32.00	10.00	2.00	7.20
G032028200GC	32.00	28.00	32.00	20.00	2.00	9.55
G033022200GC	33.00	22.00	33.00	20.00	5.50	9.80
G033025200GC	33.00	25.00	33.00	20.00	4.00	9.80
G033028056GC	33.00	28.00	33.00	5.60	2.50	6.70
G033028063GC	33.00	28.00	33.00	6.30	2.50	6.70
G033028065GC	33.00	28.00	33.00	6.50	2.50	6.70
G033028200GC	33.00	28.00	33.00	20.00	2.50	9.80
G034028100GC	34.00	28.00	34.00	10.00	3.00	7.55
G034030080GC	34.00	30.00	34.00	8.00	2.00	7.20
G034030097GC	34.00	30.00	34.00	9.70	2.00	7.20
G034030100GC	34.00	30.00	34.00	10.00	2.00	7.55
G034030200GC	34.00	30.00	34.00	20.00	2.00	9.55
G034030250GC	34.00	30.00	34.00	25.00	2.00	11.20
G035029100GC	35.00	29.00	35.00	10.00	3.00	7.55
G035030056GC	35.00	30.00	35.00	5.60	2.50	6.70
G035030097GC	35.00	30.00	35.00	9.70	2.50	7.55
G035030100GC	35.00	30.00	35.00	10.00	2.50	7.55
G035030200GC	35.00	30.00	35.00	20.00	2.50	9.80

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G035030250GC	35.00	30.00	35.00	25.00	2.50	11.50
G035030300GC	35.00	30.00	35.00	30.00	2.50	13.15
G035031100GC	35.00	31.00	35.00	10.00	2.00	7.55
G035032042GC	35.10	32.00	35.10	4.20	1.55	O/R
G036031056GC	36.00	31.00	36.00	5.60	2.50	6.70
G036031060GC	36.00	31.00	36.00	6.00	2.50	6.95
G036032100GC	36.00	32.00	36.00	10.00	2.00	7.60
G036032150GC	36.00	32.00	36.00	15.00	2.00	9.20
G036032200GC	36.00	32.00	36.00	20.00	2.00	10.70
G036033063GC	36.00	33.00	36.00	6.30	1.50	6.70
G037032056GC	37.00	32.00	37.00	5.60	2.50	6.70
G037032063GC	37.00	32.00	37.00	6.30	2.50	6.70
G037032065GC	37.00	32.00	37.00	6.50	2.50	6.70
G037032097GC	37.00	32.00	37.00	9.70	2.50	7.70
G038032060GC	38.00	32.00	38.00	6.00	3.00	6.95
G038032100GC	38.00	32.00	38.00	10.00	3.00	7.70
G038032381GC	38.00	32.00	38.00	38.10	3.00	21.85
G038034040GC	38.00	34.00	38.00	4.00	2.00	6.70
G038035100GC	38.00	35.00	38.00	10.00	1.50	7.70
G039035100GC	39.00	35.00	39.00	10.00	2.00	7.70
G039035200GC	39.00	35.00	39.00	20.00	2.00	10.70
G039035250GC	39.00	35.00	39.00	25.00	2.00	11.85
G040030050GC	40.00	30.00	40.00	5.00	5.00	7.20
G040033100GC	40.00	33.00	40.00	10.00	3.50	7.70
G040034100GC	40.00	34.00	40.00	10.00	3.00	7.70
G040035056GC	40.00	35.00	40.00	5.60	2.50	6.95
G040035080GC	40.00	35.00	40.00	8.00	2.50	7.55
G040035095GC	40.00	35.00	40.00	9.50	2.50	7.85
G040035097GC	40.00	35.00	40.00	9.70	2.50	7.85
G040035100GC	40.00	35.00	40.00	10.00	2.50	7.85
G040035150GC	40.00	35.00	40.00	15.00	2.50	9.20
G040035200GC	40.00	35.00	40.00	20.00	2.50	10.70
G040036040GC	40.00	36.00	40.00	4.00	2.00	6.70
G040036050GC	40.00	36.00	40.00	5.00	2.00	7.20
G040036080GC	40.00	36.00	40.00	8.00	2.00	7.55
G040036081GC	40.00	36.00	40.00	8.10	2.00	7.55
G040036097GC	40.00	36.00	40.00	9.70	2.00	7.85
G040036100GC	40.00	36.00	40.00	10.00	2.00	7.85
G040036200GC	40.00	36.00	40.00	20.00	2.00	10.70
G040036300GC	40.00	36.00	40.00	30.00	2.00	14.75
G041035100GC	41.00	35.00	41.00	10.00	3.00	7.85
G041036056GC	41.00	36.00	41.00	5.60	2.50	7.20
G041036063GC	41.00	36.00	41.00	6.30	2.50	7.20
G041036097GC	41.00	36.00	41.00	9.70	2.50	7.85
G042036100GC	42.00	36.00	42.00	10.00	3.00	7.85
G044040063GC	44.00	40.00	44.00	6.30	2.00	7.20
G044040097GC	44.00	40.00	44.00	9.70	2.00	7.85
G044040100GC	44.00	40.00	44.00	10.00	2.00	7.85

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G044040120GC	44.00	40.00	44.00	12.00	2.00	8.95
G044040200GC	44.00	40.00	44.00	20.00	2.00	11.20
G044040250GC	44.00	40.00	44.00	25.00	2.00	13.15
G044040350GC	44.00	40.00	44.00	35.00	2.00	18.30
G045039100GC	45.00	39.00	45.00	10.00	3.00	8.05
G045039140GC	45.00	39.00	45.00	14.00	3.00	9.55
G045039150GC	45.00	39.00	45.00	15.00	3.00	9.55
G045039200GC	45.00	39.00	45.00	20.00	3.00	11.20
G045040056GC	45.00	40.00	45.00	5.60	2.50	7.50
G045040080GC	45.00	40.00	45.00	8.00	2.50	7.55
G045040095GC	45.00	40.00	45.00	9.50	2.50	8.05
G045040097GC	45.00	40.00	45.00	9.70	2.50	8.05
G045040100GC	45.00	40.00	45.00	10.00	2.50	8.05
G045040120GC	45.00	40.00	45.00	12.00	2.50	8.95
G045040150GC	45.00	40.00	45.00	15.00	2.50	9.55
G045040200GC	45.00	40.00	45.00	20.00	2.50	11.20
G045040250GC	45.00	40.00	45.00	25.00	2.50	13.15
G045040300GC	45.00	40.00	45.00	30.00	2.50	14.90
G045040500GC	45.00	40.00	45.00	50.00	2.50	18.30
G045041050GC	45.00	41.00	45.00	5.00	2.00	7.50
G045041120GC	45.00	41.00	45.00	12.00	2.00	8.95
G045041200GC	45.00	41.00	45.00	20.00	2.00	11.20
G045042060GC	45.00	42.00	45.00	6.00	1.50	7.50
G046040095GC	46.00	40.00	46.00	9.50	3.00	8.20
G046040100GC	46.00	40.00	46.00	10.00	3.00	8.20
G046040150GC	46.00	40.00	46.00	15.00	3.00	9.80
G046040200GC	46.00	40.00	46.00	20.00	3.00	12.35
G046040250GC	46.00	40.00	46.00	25.00	3.00	14.10
G046040381GC	46.00	40.00	46.00	38.10	3.00	21.85
G047042097GC	47.00	42.00	47.00	9.70	2.50	8.20
G049045120GC	49.00	45.00	49.00	12.00	2.00	9.15
G049045150GC	49.00	45.00	49.00	15.00	2.00	9.80
G049045250GC	49.00	45.00	49.00	25.00	2.00	14.10
G050044050GC	50.00	44.00	50.00	5.00	3.00	7.50
G050044080GC	50.00	44.00	50.00	8.00	3.00	7.85
G050044100GC	50.00	44.00	50.00	10.00	3.00	8.20
G050044127GC	50.00	44.00	50.00	12.70	3.00	9.80
G050044160GC	50.00	44.00	50.00	16.00	3.00	10.70
G050044200GC	50.00	44.00	50.00	20.00	3.00	12.35
G050044250GC	50.00	44.00	50.00	25.00	3.00	14.10
G050044300GC	50.00	44.00	50.00	30.00	3.00	15.25
G050045056GC	50.00	45.00	50.00	5.60	2.50	7.50
G050045063GC	50.00	45.00	50.00	6.30	2.50	7.55
G050045070GC	50.00	45.00	50.00	7.00	2.50	7.85
G050045080GC	50.00	45.00	50.00	8.00	2.50	7.85
G050045095GC	50.00	45.00	50.00	9.50	2.50	8.20
G050045097GC	50.00	45.00	50.00	9.70	2.50	8.20
G050045100GC	50.00	45.00	50.00	10.00	2.50	8.20

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G050045102GC	50.00	45.00	50.00	10.20	2.50	8.20
G050045120GC	50.00	45.00	50.00	12.00	2.50	9.20
G050045150GC	50.00	45.00	50.00	15.00	2.50	9.80
G050045200GC	50.00	45.00	50.00	20.00	2.50	12.35
G050045250GC	50.00	45.00	50.00	25.00	2.50	14.10
G050045300GC	50.00	45.00	50.00	30.00	2.50	15.25
G050045350GC	50.00	45.00	50.00	35.00	2.50	18.30
G050046050GC	50.00	46.00	50.00	5.00	2.00	7.70
G050046100GC	50.00	46.00	50.00	10.00	2.00	8.20
G050046120GC	50.00	46.00	50.00	12.00	2.00	9.20
G050046150GC	50.00	46.00	50.00	15.00	2.00	9.80
G050046200GC	50.00	46.00	50.00	20.00	2.00	12.35
G050046350GC	50.00	46.00	50.00	35.00	2.00	18.30
G051045060GC	51.00	45.00	51.00	6.00	3.00	7.55
G051045125GC	51.00	45.00	51.00	12.50	3.00	9.80
G051045130GC	51.00	45.00	51.00	13.00	3.00	9.80
G051045200GC	51.00	45.00	51.00	20.00	3.00	12.35
G051045220GC	51.00	45.00	51.00	22.00	3.00	14.10
G051045400GC	51.00	45.00	51.00	40.00	3.00	22.50
G051045500GC	51.00	45.00	51.00	50.00	3.00	24.95
G052046050GC	52.00	46.00	52.00	5.00	3.00	7.70
G052049080GC	52.00	49.00	52.00	8.00	1.50	8.05
G053048058GC	53.00	48.00	53.00	5.80	2.50	7.55
G053049250GC	53.50	49.50	53.50	25.00	2.00	O/R
G053050080GC	53.00	50.00	53.00	8.00	1.50	8.05
G053050120GC	53.00	50.00	53.00	12.00	1.50	9.30
G053050247GC	53.80	50.80	53.80	24.70	1.50	O/R
G054048050GC	54.00	48.00	54.00	5.00	3.00	7.70
G054048250GC	54.00	48.00	54.00	25.00	3.00	14.10
G054050120GC	54.00	50.00	54.00	12.00	2.00	9.30
G055049056GC	55.00	49.00	55.00	5.60	3.00	7.55
G055049060GC	55.00	49.00	55.00	6.00	3.00	7.55
G055049127GC	55.00	49.00	55.00	12.70	3.00	10.10
G055049150GC	55.00	49.00	55.00	15.00	3.00	10.35
G055049160GC	55.00	49.00	55.00	16.00	3.00	10.70
G055049200GC	55.00	49.00	55.00	20.00	3.00	13.15
G055050056GC	55.00	50.00	55.00	5.60	2.50	7.55
G055050063GC	55.00	50.00	55.00	6.30	2.50	7.70
G055050080GC	55.00	50.00	55.00	8.00	2.50	8.05
G055050095GC	55.00	50.00	55.00	9.50	2.50	8.95
G055050097GC	55.00	50.00	55.00	9.70	2.50	8.95
G055050100GC	55.00	50.00	55.00	10.00	2.50	8.95
G055050150GC	55.00	50.00	55.00	15.00	2.50	10.35
G055050200GC	55.00	50.00	55.00	20.00	2.50	13.15
G055050250GC	55.00	50.00	55.00	25.00	2.50	14.10
G055050300GC	55.00	50.00	55.00	30.00	2.50	16.65
G055051097GC	55.00	51.00	55.00	9.70	2.00	8.95
G055051100GC	55.00	51.00	55.00	10.00	2.00	8.95

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G056049150GC	56.00	49.50	56.00	15.00	3.25	10.40
G056050095GC	56.00	50.00	56.00	9.50	3.00	8.95
G056050100GC	56.00	50.00	56.00	10.00	3.00	8.95
G056050130GC	56.00	50.00	56.00	13.00	3.00	10.50
G056050160GC	56.00	50.00	56.00	16.00	3.00	11.50
G056050200GC	56.00	50.00	56.00	20.00	3.00	13.75
G056050250GC	56.00	50.00	56.00	25.00	3.00	16.05
G056050300GC	56.00	50.00	56.00	30.00	3.00	15.85
G056051100GC	56.00	51.00	56.00	10.00	2.50	9.10
G056051150GC	56.00	51.00	56.00	15.00	2.50	10.40
G057050220GC	57.15	50.80	57.15	22.00	3.18	O/R
G057052097GC	57.00	52.00	57.00	9.70	2.50	9.10
G058053056GC	58.00	53.00	58.00	5.60	2.50	8.10
G059055150GC	59.80	55.80	59.80	15.00	2.00	O/R
G059055320GC	59.00	55.00	59.00	32.00	2.00	20.25
G060054080GC	60.00	54.00	60.00	8.00	3.00	8.75
G060054130GC	60.00	54.00	60.00	13.00	3.00	10.50
G060054150GC	60.00	54.00	60.00	15.00	3.00	10.70
G060054200GC	60.00	54.00	60.00	20.00	3.00	13.75
G060054250GC	60.00	54.00	60.00	25.00	3.00	16.05
G060055056GC	60.00	55.00	60.00	5.60	2.50	8.10
G060055063GC	60.00	55.00	60.00	6.30	2.50	8.10
G060055080GC	60.00	55.00	60.00	8.00	2.50	8.75
G060055095GC	60.00	55.00	60.00	9.50	2.50	9.20
G060055097GC	60.00	55.00	60.00	9.70	2.50	9.20
G060055100GC	60.00	55.00	60.00	10.00	2.50	9.20
G060055120GC	60.00	55.00	60.00	12.00	2.50	9.55
G060055150GC	60.00	55.00	60.00	15.00	2.50	10.70
G060055200GC	60.00	55.00	60.00	20.00	2.50	13.15
G060055250GC	60.00	55.00	60.00	25.00	2.50	15.25
G060055300GC	60.00	55.00	60.00	30.00	2.50	17.15
G060056100GC	60.00	56.00	60.00	10.00	2.00	9.20
G061055127GC	61.00	55.00	61.00	12.70	3.00	10.50
G061055130GC	61.50	55.50	61.50	13.00	3.00	O/R
G061055160GC	61.00	55.00	61.00	16.00	3.00	11.25
G061055250GC	61.00	55.00	61.00	25.00	3.00	15.25
G061056056GC	61.00	56.00	61.00	5.60	2.50	8.10
G061056097GC	61.00	56.00	61.00	9.70	2.50	9.20
G061056100GC	61.00	56.00	61.00	10.00	2.50	9.20
G061056150GC	61.00	56.00	61.00	15.00	2.50	10.95
G062055050GC	62.00	55.00	62.00	5.00	3.50	8.30
G062055130GC	62.00	55.00	62.00	13.00	3.50	11.00
G062056160GC	62.00	56.00	62.00	16.00	3.00	11.25
G062056200GC	62.00	56.00	62.00	20.00	3.00	13.15
G062056250GC	62.00	56.00	62.00	25.00	3.00	15.25
G062056300GC	62.00	56.00	62.00	30.00	3.00	17.15
G062056400GC	62.00	56.00	62.00	40.00	3.00	22.80
G062057127GC	62.00	57.00	62.00	12.70	2.50	10.50

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G063057130GC	63.00	57.00	63.00	13.00	3.00	11.00
G063057160GC	63.00	57.00	63.00	16.00	3.00	12.35
G063057200GC	63.00	57.00	63.00	20.00	3.00	13.15
G063058056GC	63.00	58.00	63.00	5.60	2.50	8.50
G063058060GC	63.00	58.00	63.00	6.00	2.50	8.50
G063058063GC	63.00	58.00	63.00	6.30	2.50	8.50
G063058080GC	63.00	58.00	63.00	8.00	2.50	8.95
G063058095GC	63.00	58.00	63.00	9.50	2.50	9.20
G063058097GC	63.00	58.00	63.00	9.70	2.50	9.20
G063058100GC	63.00	58.00	63.00	10.00	2.50	9.50
G063058120GC	63.00	58.00	63.00	12.00	2.50	9.90
G063058127GC	63.00	58.00	63.00	12.70	2.50	10.85
G063058150GC	63.00	58.00	63.00	15.00	2.50	12.35
G063058200GC	63.00	58.00	63.00	20.00	2.50	13.60
G063058250GC	63.00	58.00	63.00	25.00	2.50	16.05
G063059040GC	63.00	59.00	63.00	4.00	2.00	8.50
G063059080GC	63.00	59.00	63.00	8.00	2.00	8.95
G063059100GC	63.00	59.00	63.00	10.00	2.00	9.50
G064060152GC	64.00	60.00	64.00	15.20	2.00	12.35
G065055100GC	65.00	55.00	65.00	10.00	5.00	9.55
G065056125GC	65.00	56.00	65.00	12.50	4.50	10.85
G065057120GC	65.00	57.00	65.00	12.00	4.00	9.90
G065059100GC	65.00	59.00	65.00	10.00	3.00	9.55
G065059150GC	65.00	59.00	65.00	15.00	3.00	12.35
G065059160GC	65.00	59.00	65.00	16.00	3.00	12.65
G065059200GC	65.00	59.00	65.00	20.00	3.00	13.60
G065060056GC	65.00	60.00	65.00	5.60	2.50	8.50
G065060095GC	65.00	60.00	65.00	9.50	2.50	9.20
G065060097GC	65.00	60.00	65.00	9.70	2.50	9.20
G065060100GC	65.00	60.00	65.00	10.00	2.50	9.55
G065060150GC	65.00	60.00	65.00	15.00	2.50	12.35
G065060200GC	65.00	60.00	65.00	20.00	2.50	14.10
G065060250GC	65.00	60.00	65.00	25.00	2.50	16.35
G065060300GC	65.00	60.00	65.00	30.00	2.50	18.30
G065060320GC	65.00	60.00	65.00	32.00	2.50	20.25
G065061100GC	65.00	61.00	65.00	10.00	2.00	9.55
G066060100GC	66.00	60.00	66.00	10.00	3.00	9.55
G066060127GC	66.00	60.00	66.00	12.70	3.00	11.10
G066060130GC	66.00	60.00	66.00	13.00	3.00	11.60
G066060200GC	66.00	60.00	66.00	20.00	3.00	14.10
G066060254GC	66.00	60.00	66.00	25.40	3.00	16.35
G066060300GC	66.00	60.00	66.00	30.00	3.00	17.85
G066060400GC	66.00	60.00	66.00	40.00	3.00	23.50
G066060500GC	66.00	60.00	66.00	50.00	3.00	29.65
G066061200GC	66.00	61.00	66.00	20.00	2.50	14.10
G067063200GC	67.00	63.00	67.00	20.00	2.00	14.10
G068060550GC	68.00	60.00	68.00	55.00	4.00	O/R
G068061060GC	68.00	61.00	68.00	6.00	3.50	8.75
G068063056GC	68.00	63.00	68.00	5.60	2.50	8.75
G068063097GC	68.00	63.00	68.00	9.70	2.50	9.55
G068063102GC	68.00	63.00	68.00	10.20	2.50	9.55
G068063150GC	68.00	63.00	68.00	15.00	2.50	12.35
G069063090GC	69.00	63.00	69.00	9.00	3.00	9.55
G069063127GC	69.00	63.00	69.00	12.70	3.00	11.10
G069063130GC	69.00	63.00	69.00	13.00	3.00	11.60
G069063150GC	69.00	63.00	69.00	15.00	3.00	12.35
G069063180GC	69.00	63.00	69.00	18.00	3.00	14.30
G069063200GC	69.00	63.00	69.00	20.00	3.00	14.30
G069063300GC	69.00	63.00	69.00	30.00	3.00	17.85
G069063310GC	69.00	63.00	69.00	31.00	3.00	21.10
G069063350GC	69.00	63.00	69.00	35.00	3.00	22.70
G069063400GC	69.00	63.00	69.00	40.00	3.00	24.30
G069063508GC	69.00	63.00	69.00	50.80	3.00	O/R
G069064100GC	69.00	64.00	69.00	10.00	2.50	9.55
G069064200GC	69.00	64.00	69.00	20.00	2.50	14.30
G069065150GC	69.00	65.00	69.00	15.00	2.00	12.35
G070060150GC	70.00	60.00	70.00	15.00	5.00	12.45
G070062120GC	70.00	62.00	70.00	12.00	4.00	10.55
G070063152GC	70.00	63.70	70.00	15.20	3.15	12.35
G070064060GC	70.00	64.00	70.00	6.00	3.00	8.90
G070064092GC	70.00	64.00	70.00	9.20	3.00	9.55
G070064130GC	70.00	64.00	70.00	13.00	3.00	11.60
G070064145GC	70.00	64.30	70.00	14.50	2.85	12.45
G070064150GC	70.00	64.00	70.00	15.00	3.00	12.45
G070064160GC	70.00	64.00	70.00	16.00	3.00	13.05
G070064180GC	70.00	64.00	70.00	18.00	3.00	14.30
G070064200GC	70.00	64.00	70.00	20.00	3.00	14.90
G070064250GC	70.00	64.00	70.00	25.00	3.00	16.95
G070065056GC	70.00	65.00	70.00	5.60	2.50	8.90
G070065095GC	70.00	65.00	70.00	9.50	2.50	9.55
G070065097GC	70.00	65.00	70.00	9.70	2.50	9.55
G070065100GC	70.00	65.00	70.00	10.00	2.50	9.80
G070065120GC	70.00	65.00	70.00	12.00	2.50	10.55
G070065150GC	70.00	65.00	70.00	15.00	2.50	12.45
G070065160GC	70.00	65.00	70.00	16.00	2.50	13.05
G070065200GC	70.00	65.00	70.00	20.00	2.50	14.90
G070065250GC	70.00	65.00	70.00	25.00	2.50	16.95
G070065300GC	70.00	65.00	70.00	30.00	2.50	18.45
G070066100GC	70.00	66.00	70.00	10.00	2.00	9.80
G071064127GC	71.00	64.00	71.00	12.70	3.50	11.10
G071065127GC	71.00	65.00	71.00	12.70	3.00	11.10
G071065130GC	71.00	65.00	71.00	13.00	3.00	11.60
G071065200GC	71.00	65.00	71.00	20.00	3.00	14.90
G071065300GC	71.00	65.00	71.00	30.00	3.00	18.45
G071065400GC	71.00	65.00	71.00	40.00	3.00	24.90
G071066060GC	71.00	66.00	71.00	6.00	2.50	9.20

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G071066100GC	71.00	66.00	71.00	10.00	2.50	9.95
G071066200GC	71.00	66.00	71.00	20.00	2.50	14.90
G072064060GC	72.00	64.00	72.00	6.00	4.00	9.20
G073060455GC	73.03	60.20	73.03	45.50	6.42	O/R
G073066220GC	73.03	66.68	73.03	22.00	3.18	O/R
G074068060GC	74.00	68.00	74.00	6.00	3.00	9.20
G074070102GC	74.00	70.00	74.00	10.20	2.00	9.95
G074070150GC	74.00	70.00	74.00	15.00	2.00	13.80
G075064150GC	75.00	64.00	75.00	15.00	5.50	13.80
G075067120GC	75.00	67.00	75.00	12.00	4.00	10.70
G075069120GC	75.00	69.00	75.00	12.00	3.00	10.70
G075069125GC	75.00	69.00	75.00	12.50	3.00	11.50
G075069150GC	75.00	69.00	75.00	15.00	3.00	13.80
G075069200GC	75.00	69.00	75.00	20.00	3.00	14.90
G075069250GC	75.00	69.00	75.00	25.00	3.00	17.75
G075070056GC	75.00	70.00	75.00	5.60	2.50	9.10
G075070095GC	75.00	70.00	75.00	9.50	2.50	9.80
G075070097GC	75.00	70.00	75.00	9.70	2.50	9.80
G075070100GC	75.00	70.00	75.00	10.00	2.50	10.00
G075070120GC	75.00	70.00	75.00	12.00	2.50	10.70
G075070127GC	75.00	70.00	75.00	12.70	2.50	11.50
G075070150GC	75.00	70.00	75.00	15.00	2.50	13.80
G075070160GC	75.00	70.00	75.00	16.00	2.50	14.70
G075070200GC	75.00	70.00	75.00	20.00	2.50	14.90
G075070250GC	75.00	70.00	75.00	25.00	2.50	17.75
G075070300GC	75.00	70.00	75.00	30.00	2.50	20.30
G075070400GC	75.00	70.00	75.00	40.00	2.50	26.75
G075070450GC	75.00	70.00	75.00	45.00	2.50	29.50
G075070500GC	75.00	70.00	75.00	50.00	2.50	30.80
G075071150GC	75.00	71.00	75.00	15.00	2.00	13.80
G076070100GC	76.00	70.00	76.00	10.00	3.00	10.25
G076070127GC	76.00	70.00	76.00	12.70	3.00	11.50
G076070130GC	76.00	70.00	76.00	13.00	3.00	12.10
G076070200GC	76.00	70.00	76.00	20.00	3.00	15.85
G076070254GC	76.00	70.00	76.00	25.40	3.00	18.05
G076070300GC	76.00	70.00	76.00	30.00	3.00	20.30
G076070381GC	76.00	70.00	76.00	38.10	3.00	26.00
G076070400GC	76.00	70.00	76.00	40.00	3.00	26.75
G076070492GC	76.00	70.00	76.00	49.20	3.00	35.50
G076070500GC	76.00	70.00	76.00	50.00	3.00	35.50
G076071200GC	76.00	71.00	76.00	20.00	2.50	15.85
G079075097GC	79.00	75.00	79.00	9.70	2.00	10.35
G080064150GC	80.00	64.00	80.00	15.00	8.00	14.10
G080072120GC	80.00	72.00	80.00	12.00	4.00	11.20
G080073100GC	80.00	73.00	80.00	10.00	3.50	10.70
G080074060GC	80.00	74.00	80.00	6.00	3.00	9.20
G080074080GC	80.00	74.00	80.00	8.00	3.00	10.20
G080074100GC	80.00	74.00	80.00	10.00	3.00	10.70
G080074120GC	80.00	74.00	80.00	12.00	3.00	11.20
G080074125GC	80.00	74.00	80.00	12.50	3.00	11.50
G080074130GC	80.00	74.00	80.00	13.00	3.00	12.10
G080074150GC	80.00	74.00	80.00	15.00	3.00	14.10
G080074165GC	80.00	74.00	80.00	16.50	3.00	14.70
G080074170GC	80.00	74.00	80.00	17.00	3.00	13.75
G080074200GC	80.00	74.00	80.00	20.00	3.00	15.85
G080074200GC-1	80.50	74.50	80.50	20.00	3.00	O/R
G080074250GC	80.00	74.00	80.00	25.00	3.00	18.65
G080074300GC	80.00	74.00	80.00	30.00	3.00	20.95
G080075056GC	80.00	75.00	80.00	5.60	2.50	9.20
G080075060GC	80.00	75.00	80.00	6.00	2.50	9.20
G080075095GC	80.00	75.00	80.00	9.50	2.50	10.35
G080075097GC	80.00	75.00	80.00	9.70	2.50	10.35
G080075100GC	80.00	75.00	80.00	10.00	2.50	10.70
G080075120GC	80.00	75.00	80.00	12.00	2.50	11.20
G080075150GC	80.00	75.00	80.00	15.00	2.50	14.10
G080075200GC	80.00	75.00	80.00	20.00	2.50	15.85
G080075250GC	80.00	75.00	80.00	25.00	2.50	18.65
G080075300GC	80.00	75.00	80.00	30.00	2.50	20.95
G080076050GC	80.00	76.00	80.00	5.00	2.00	8.05
G080076075GC	80.00	76.00	80.00	7.50	2.00	9.20
G080076080GC	80.00	76.00	80.00	8.00	2.00	10.20
G080076100GC	80.00	76.00	80.00	10.00	2.00	10.70
G080076150GC	80.00	76.00	80.00	15.00	2.00	14.10
G080076300GC	80.00	76.00	80.00	30.00	2.00	20.95
G081075130GC	81.00	75.00	81.00	13.00	3.00	12.10
G081075192GC	81.00	75.00	81.00	19.20	3.00	17.20
G081075250GC	81.00	75.00	81.00	25.00	3.00	19.10
G081075300GC	81.00	75.00	81.00	30.00	3.00	21.40
G082072120GC	82.00	72.00	82.00	12.00	5.00	11.55
G083075060GC	83.00	75.00	83.00	6.00	4.00	9.55
G084078130GC	84.00	78.00	84.00	13.00	3.00	12.45
G084078150GC	84.00	78.00	84.00	15.00	3.00	14.55
G084080150GC	84.00	80.00	84.00	15.00	2.00	14.55
G084080250GC	84.00	80.00	84.00	25.00	2.00	19.10
G085075100GC	85.00	75.00	85.00	10.00	5.00	11.65
G085079100GC	85.00	79.00	85.00	10.00	3.00	11.65
G085079125GC	85.00	79.00	85.00	12.50	3.00	12.35
G085079130GC	85.00	79.00	85.00	13.00	3.00	12.95
G085079145GC	85.00	79.00	85.00	14.50	3.00	15.20
G085079150GC	85.00	79.00	85.00	15.00	3.00	15.20
G085079200GC	85.00	79.00	85.00	20.00	3.00	16.35
G085079250GC	85.00	79.00	85.00	25.00	3.00	19.40
G085079300GC	85.00	79.00	85.00	30.00	3.00	21.70
G085080056GC	85.00	80.00	85.00	5.60	2.50	9.60
G085080095GC	85.00	80.00	85.00	9.50	2.50	10.70
G085080097GC	85.00	80.00	85.00	9.70	2.50	10.70

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G085080100GC	85.00	80.00	85.00	10.00	2.50	11.65
G085080120GC	85.00	80.00	85.00	12.00	2.50	11.90
G085080127GC	85.00	80.00	85.00	12.70	2.50	12.35
G085080150GC	85.00	80.00	85.00	15.00	2.50	15.20
G085080160GC	85.00	80.00	85.00	16.00	2.50	16.80
G085080200GC	85.00	80.00	85.00	20.00	2.50	16.35
G085080250GC	85.00	80.00	85.00	25.00	2.50	19.40
G085080350GC	85.00	80.00	85.00	35.00	2.50	26.85
G085081150GC	85.00	81.00	85.00	15.00	2.00	15.20
G086080130GC	86.00	80.00	86.00	13.00	3.00	12.95
G086080200GC	86.00	80.00	86.00	20.00	3.00	16.35
G086080250GC	86.00	80.00	86.00	25.00	3.00	20.55
G086080300GC	86.00	80.00	86.00	30.00	3.00	23.10
G086080350GC	86.00	80.00	86.00	35.00	3.00	27.20
G086080400GC	86.00	80.00	86.00	40.00	3.00	29.55
G086080500GC	86.00	80.00	86.00	50.00	3.00	38.30
G086080635GC	86.00	80.00	86.00	63.50	3.00	O/R
G086080790GC	86.00	80.00	86.00	79.00	3.00	O/R
G088080700GC	88.00	80.00	88.00	70.00	4.00	O/R
G088081375GC	88.00	81.70	88.00	37.50	3.15	O/R
G088082095GC	88.90	82.50	88.90	9.50	3.20	O/R
G088082127GC	88.90	82.55	88.90	12.70	3.18	O/R
G089082100GC	89.00	82.00	89.00	10.00	3.50	12.75
G090080195GC	90.00	80.00	90.00	19.50	5.00	17.20
G090081125GC	90.00	81.00	90.00	12.50	4.50	13.10
G090082150GC	90.00	82.00	90.00	15.00	4.00	16.05
G090083150GC	90.00	83.00	90.00	15.00	3.50	16.05
G090083300GC	90.00	83.00	90.00	30.00	3.50	23.45
G090084100GC	90.00	84.00	90.00	10.00	3.00	13.15
G090084125GC	90.00	84.00	90.00	12.50	3.00	13.10
G090084130GC	90.00	84.00	90.00	13.00	3.00	13.70
G090084150GC	90.00	84.00	90.00	15.00	3.00	16.05
G090084200GC	90.00	84.00	90.00	20.00	3.00	17.20
G090084250GC	90.00	84.00	90.00	25.00	3.00	21.15
G090084300GC	90.00	84.00	90.00	30.00	3.00	23.45
G090084350GC	90.00	84.00	90.00	35.00	3.00	27.45
G090084400GC	90.00	84.00	90.00	40.00	3.00	29.80
G090085060GC	90.00	85.00	90.00	6.00	2.50	9.70
G090085095GC	90.00	85.00	90.00	9.50	2.50	13.15
G090085097GC	90.00	85.00	90.00	9.70	2.50	13.15
G090085100GC	90.00	85.00	90.00	10.00	2.50	13.15
G090085125GC	90.00	85.00	90.00	12.50	2.50	13.10
G090085127GC	90.00	85.00	90.00	12.70	2.50	13.10
G090085150GC	90.00	85.00	90.00	15.00	2.50	16.05
G090085200GC	90.00	85.00	90.00	20.00	2.50	17.20
G090085250GC	90.00	85.00	90.00	25.00	2.50	21.15
G090085350GC	90.00	85.00	90.00	35.00	2.50	27.45
G090085400GC	90.00	85.00	90.00	40.00	2.50	29.80

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G090086150GC	90.00	86.00	90.00	15.00	2.00	16.05
G090086200GC	90.00	86.00	90.00	20.00	2.00	17.20
G091081130GC	91.00	81.00	91.00	13.00	5.00	14.05
G091085200GC	91.00	85.00	91.00	20.00	3.00	18.35
G091085250GC	91.00	85.00	91.00	25.00	3.00	22.20
G091085400GC	91.00	85.00	91.00	40.00	3.00	30.85
G093084120GC	93.00	84.00	93.00	12.00	4.50	13.75
G095085150GC	95.00	85.00	95.00	15.00	5.00	16.30
G095086120GC	95.00	86.00	95.00	12.00	4.50	13.75
G095086125GC	95.00	86.00	95.00	12.50	4.50	13.90
G095087060GC	95.00	87.00	95.00	6.00	4.00	9.80
G095089100GC	95.00	89.00	95.00	10.00	3.00	13.75
G095089125GC	95.00	89.00	95.00	12.50	3.00	13.90
G095089130GC	95.00	89.00	95.00	13.00	3.00	15.50
G095089150GC	95.00	89.00	95.00	15.00	3.00	16.30
G095089200GC	95.00	89.00	95.00	20.00	3.00	18.35
G095089250GC	95.00	89.00	95.00	25.00	3.00	22.60
G095090060GC	95.00	90.00	95.00	6.00	2.50	10.20
G095090095GC	95.00	90.00	95.00	9.50	2.50	13.55
G095090097GC	95.00	90.00	95.00	9.70	2.50	13.55
G095090100GC	95.00	90.00	95.00	10.00	2.50	13.75
G095090125GC	95.00	90.00	95.00	12.50	2.50	14.70
G095090127GC	95.00	90.00	95.00	12.70	2.50	14.70
G095090150GC	95.00	90.00	95.00	15.00	2.50	16.30
G095090200GC	95.00	90.00	95.00	20.00	2.50	18.35
G095090250GC	95.00	90.00	95.00	25.00	2.50	22.60
G095090500GC	95.00	90.00	95.00	50.00	2.50	38.55
G096090127GC	96.00	90.00	96.00	12.70	3.00	14.70
G096090130GC	96.00	90.00	96.00	13.00	3.00	15.50
G096090200GC	96.00	90.00	96.00	20.00	3.00	18.35
G096090250GC	96.00	90.00	96.00	25.00	3.00	23.40
G096090300GC	96.00	90.00	96.00	30.00	3.00	25.70
G096090400GC	96.00	90.00	96.00	40.00	3.00	32.30
G096090500GC	96.00	90.00	96.00	50.00	3.00	40.00
G096090600GC	96.00	90.00	96.00	60.00	3.00	O/R
G096090635GC	96.00	90.00	96.00	63.50	3.00	O/R
G098090650GC	98.00	90.00	98.00	65.00	4.00	O/R
G099095250GC	99.00	95.00	99.00	25.00	2.00	23.40
G100091100GC	100.00	91.00	100.00	10.00	4.50	14.10
G100091121GC	100.00	91.00	100.00	12.10	4.50	15.25
G100092095GC	100.00	92.00	100.00	9.50	4.00	13.90
G100092100GC	100.00	92.00	100.00	10.00	4.00	14.10
G100092150GC	100.00	92.00	100.00	15.00	4.00	17.60
G100092250GC	100.00	92.00	100.00	25.00	4.00	24.05
G100092300GC	100.00	92.00	100.00	30.00	4.00	26.35
G100093140GC	100.00	93.20	100.00	14.00	3.40	16.95
G100094100GC	100.00	94.00	100.00	10.00	3.00	14.10
G100094125GC	100.00	94.00	100.00	12.50	3.00	15.25

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G100094130GC	100.00	94.00	100.00	13.00	3.00	16.80
G100094140GC	100.00	94.00	100.00	14.00	3.00	16.95
G100094150GC	100.00	94.00	100.00	15.00	3.00	17.60
G100094200GC	100.00	94.00	100.00	20.00	3.00	19.10
G100094250GC	100.00	94.00	100.00	25.00	3.00	24.05
G100094300GC	100.00	94.00	100.00	30.00	3.00	26.35
G100094400GC	100.00	94.00	100.00	40.00	3.00	32.95
G100095050GC	100.00	95.00	100.00	5.00	2.50	9.80
G100095056GC	100.00	95.00	100.00	5.60	2.50	10.10
G100095060GC	100.00	95.00	100.00	6.00	2.50	10.20
G100095080GC	100.00	95.00	100.00	8.00	2.50	12.35
G100095095GC	100.00	95.00	100.00	9.50	2.50	13.90
G100095097GC	100.00	95.00	100.00	9.70	2.50	13.90
G100095100GC	100.00	95.00	100.00	10.00	2.50	14.10
G100095102GC	100.00	95.00	100.00	10.20	2.50	14.10
G100095125GC	100.00	95.00	100.00	12.50	2.50	15.85
G100095150GC	100.00	95.00	100.00	15.00	2.50	17.60
G100095200GC	100.00	95.00	100.00	20.00	2.50	19.10
G100095250GC	100.00	95.00	100.00	25.00	2.50	24.05
G100095300GC	100.00	95.00	100.00	30.00	2.50	26.35
G100096050GC	100.00	96.00	100.00	5.00	2.00	9.80
G100096060GC	100.00	96.00	100.00	6.00	2.00	10.20
G100096080GC	100.00	96.00	100.00	8.00	2.00	12.35
G100096100GC	100.00	96.00	100.00	10.00	2.00	14.10
G100096150GC	100.00	96.00	100.00	15.00	2.00	17.60
G101095100GC	101.00	95.60	101.00	10.00	2.70	O/R
G101095125GC	101.00	95.60	101.00	12.50	2.70	O/R
G101095127GC	101.00	95.25	101.00	12.70	2.88	O/R
G102096080GC	102.00	96.00	102.00	8.00	3.00	12.60
G103094120GC	103.00	94.00	103.00	12.00	4.50	16.10
G105096125GC	105.00	96.00	105.00	12.50	4.50	16.40
G105099100GC	105.00	99.00	105.00	10.00	3.00	14.30
G105099125GC	105.00	99.00	105.00	12.50	3.00	16.40
G105099150GC	105.00	99.00	105.00	15.00	3.00	17.60
G105099200GC	105.00	99.00	105.00	20.00	3.00	19.10
G105099250GC	105.00	99.00	105.00	25.00	3.00	24.95
G105099300GC	105.00	99.00	105.00	30.00	3.00	27.25
G105100060GC	105.00	100.00	105.00	6.00	2.50	11.50
G105100080GC	105.00	100.00	105.00	8.00	2.50	12.95
G105100095GC	105.00	100.00	105.00	9.50	2.50	14.25
G105100097GC	105.00	100.00	105.00	9.70	2.50	14.25
G105100100GC	105.00	100.00	105.00	10.00	2.50	14.45
G105100125GC	105.00	100.00	105.00	12.50	2.50	16.40
G105100150GC	105.00	100.00	105.00	15.00	2.50	17.60
G105100200GC	105.00	100.00	105.00	20.00	2.50	19.10
G105101200GC	105.00	101.00	105.00	20.00	2.00	19.10
G106099250GC	106.00	99.00	106.00	25.00	3.50	26.60
G106100130GC	106.00	100.00	106.00	13.00	3.00	16.80
G106100150GC	106.00	100.00	106.00	15.00	3.00	18.50
G106100192GC	106.00	100.00	106.00	19.20	3.00	20.20
G106100200GC	106.00	100.00	106.00	20.00	3.00	20.20
G106100250GC	106.00	100.00	106.00	25.00	3.00	26.60
G106100300GC	106.00	100.00	106.00	30.00	3.00	28.90
G106100400GC	106.00	100.00	106.00	40.00	3.00	35.50
G106100500GC	106.00	100.00	106.00	50.00	3.00	43.20
G108102150GC	108.00	102.00	108.00	15.00	3.00	18.50
G110101098GC	110.00	101.00	110.00	9.80	4.50	14.30
G110101100GC	110.00	101.00	110.00	10.00	4.50	14.50
G110101125GC	110.00	101.00	110.00	12.50	4.50	16.80
G110101150GC	110.00	101.00	110.00	15.00	4.50	18.50
G110102150GC	110.00	102.00	110.00	15.00	4.00	18.50
G110102250GC	110.00	102.00	110.00	25.00	4.00	27.55
G110102800GC	110.00	102.00	110.00	80.00	4.00	O/R
G110103140GC	110.00	103.10	110.00	14.00	3.45	O/R
G110103350GC	110.00	103.00	110.00	35.00	3.50	33.85
G110104100GC	110.00	104.00	110.00	10.00	3.00	14.50
G110104120GC	110.00	104.00	110.00	12.00	3.00	16.65
G110104125GC	110.00	104.00	110.00	12.50	3.00	16.80
G110104130GC	110.00	104.00	110.00	13.00	3.00	17.65
G110104140GC	110.00	104.00	110.00	14.00	3.00	17.75
G110104150GC	110.00	104.00	110.00	15.00	3.00	18.50
G110104160GC	110.00	104.00	110.00	16.00	3.00	19.75
G110104200GC	110.00	104.00	110.00	20.00	3.00	21.80
G110104250GC	110.00	104.00	110.00	25.00	3.00	27.55
G110104300GC	110.00	104.00	110.00	30.00	3.00	30.05
G110104350GC	110.00	104.00	110.00	35.00	3.00	33.85
G110104400GC	110.00	104.00	110.00	40.00	3.00	36.65
G110105055GC	110.00	105.00	110.00	5.50	2.50	13.15
G110105060GC	110.00	105.00	110.00	6.00	2.50	12.35
G110105080GC	110.00	105.00	110.00	8.00	2.50	13.15
G110105095GC	110.00	105.00	110.00	9.50	2.50	14.30
G110105097GC	110.00	105.00	110.00	9.70	2.50	14.30
G110105100GC	110.00	105.00	110.00	10.00	2.50	14.50
G110105125GC	110.00	105.00	110.00	12.50	2.50	16.80
G110105150GC	110.00	105.00	110.00	15.00	2.50	18.50
G110105200GC	110.00	105.00	110.00	20.00	2.50	21.80
G110105250GC	110.00	105.00	110.00	25.00	2.50	27.55
G110105300GC	110.00	105.00	110.00	30.00	2.50	30.05
G110105400GC	110.00	105.00	110.00	40.00	2.50	36.65
G110106150GC	110.00	106.00	110.00	15.00	2.00	18.50
G110106152GC	110.00	106.00	110.00	15.20	2.00	19.75
G110110121GC	110.00	110.00	110.00	12.10	0.00	16.80
G111105180GC	111.00	105.00	111.00	18.00	3.00	20.95
G111105200GC	111.00	105.00	111.00	20.00	3.00	21.80
G111106100GC	111.00	106.00	111.00	10.00	2.50	14.90
G112106100GC	112.00	106.00	112.00	10.00	3.00	14.90

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G112106150GC	112.00	106.00	112.00	15.00	3.00	18.95
G112106200GC	112.00	106.00	112.00	20.00	3.00	21.80
G112106300GC	112.00	106.00	112.00	30.00	3.00	30.05
G114108130GC	114.00	108.00	114.00	13.00	3.00	18.10
G115105150GC	115.00	105.00	115.00	15.00	5.00	18.95
G115105200GC	115.00	105.00	115.00	20.00	5.00	22.40
G115106150GC	115.00	106.00	115.00	15.00	4.50	18.95
G115107080GC	115.00	107.00	115.00	8.00	4.00	13.60
G115107150GC	115.00	107.00	115.00	15.00	4.00	18.95
G115109060GC	115.00	109.00	115.00	6.00	3.00	12.35
G115109100GC	115.00	109.00	115.00	10.00	3.00	15.10
G115109150GC	115.00	109.00	115.00	15.00	3.00	18.95
G115109250GC	115.00	109.00	115.00	25.00	3.00	28.05
G115109300GC	115.00	109.00	115.00	30.00	3.00	30.55
G115110060GC	115.00	110.00	115.00	6.00	2.50	12.50
G115110080GC	115.00	110.00	115.00	8.00	2.50	13.60
G115110095GC	115.00	110.00	115.00	9.50	2.50	14.90
G115110097GC	115.00	110.00	115.00	9.70	2.50	14.90
G115110100GC	115.00	110.00	115.00	10.00	2.50	15.10
G115110125GC	115.00	110.00	115.00	12.50	2.50	16.95
G115110145GC	115.00	110.00	115.00	14.50	2.50	18.95
G115110150GC	115.00	110.00	115.00	15.00	2.50	18.95
G115110200GC	115.00	110.00	115.00	20.00	2.50	22.40
G115110250GC	115.00	110.00	115.00	25.00	2.50	28.05
G115110300GC	115.00	110.00	115.00	30.00	2.50	30.55
G115110350GC	115.00	110.00	115.00	35.00	2.50	33.85
G115110650GC	115.00	110.00	115.00	65.00	2.50	O/R
G115111150GC	115.00	111.00	115.00	15.00	2.00	18.95
G116110130GC	116.00	110.00	116.00	13.00	3.00	18.10
G116110200GC	116.00	110.00	116.00	20.00	3.00	22.40
G116110300GC	116.00	110.00	116.00	30.00	3.00	30.05
G116110400GC	116.00	110.00	116.00	40.00	3.00	36.65
G116110500GC	116.00	110.00	116.00	50.00	3.00	44.35
G116110762GC	116.00	110.00	116.00	76.20	3.00	O/R
G118108150GC	118.00	108.00	118.00	15.00	5.00	19.20
G120110095GC	120.00	110.00	120.00	9.50	5.00	14.90
G120110147GC	120.00	110.00	120.00	14.70	5.00	19.20
G120110160GC	120.00	110.00	120.00	16.00	5.00	21.80
G120111150GC	120.00	111.00	120.00	15.00	4.50	19.65
G120112060GC	120.00	112.00	120.00	6.00	4.00	12.65
G120112080GC	120.00	112.00	120.00	8.00	4.00	14.10
G120112095GC	120.00	112.00	120.00	9.50	4.00	14.90
G120112150GC	120.00	112.00	120.00	15.00	4.00	19.65
G120113200GC	120.00	113.00	120.00	20.00	3.50	24.05
G120113300GC	120.00	113.00	120.00	30.00	3.50	30.75
G120114100GC	120.00	114.00	120.00	10.00	3.00	15.25
G120114120GC	120.00	114.00	120.00	12.00	3.00	17.00
G120114130GC	120.00	114.00	120.00	13.00	3.00	18.45
G120114150GC	120.00	114.00	120.00	15.00	3.00	19.65
G120114195GC	120.00	114.00	120.00	19.50	3.00	23.20
G120114200GC	120.00	114.00	120.00	20.00	3.00	23.20
G120114250GC	120.00	114.00	120.00	25.00	3.00	28.70
G120114300GC	120.00	114.00	120.00	30.00	3.00	30.75
G120114350GC	120.00	114.00	120.00	35.00	3.00	34.05
G120114400GC	120.00	114.00	120.00	40.00	3.00	36.85
G120115080GC	120.00	115.00	120.00	8.00	2.50	14.10
G120115095GC	120.00	115.00	120.00	9.50	2.50	15.05
G120115097GC	120.00	115.00	120.00	9.70	2.50	15.05
G120115100GC	120.00	115.00	120.00	10.00	2.50	15.25
G120115125GC	120.00	115.00	120.00	12.50	2.50	17.10
G120115150GC	120.00	115.00	120.00	15.00	2.50	19.65
G120115200GC	120.00	115.00	120.00	20.00	2.50	23.20
G120115250GC	120.00	115.00	120.00	25.00	2.50	28.70
G120115300GC	120.00	115.00	120.00	30.00	2.50	30.75
G120115350GC	120.00	115.00	120.00	35.00	2.50	34.05
G120116063GC	120.00	116.00	120.00	6.30	2.00	12.65
G121115200GC	121.00	115.00	121.00	20.00	3.00	24.75
G122117150GC	122.00	117.00	122.00	15.00	2.50	19.90
G124114150GC	124.00	114.00	124.00	15.00	5.00	20.05
G125114150GC	125.00	114.00	125.00	15.00	5.50	20.50
G125115147GC	125.00	115.00	125.00	14.70	5.00	20.50
G125115150GC	125.00	115.00	125.00	15.00	5.00	20.50
G125115200GC	125.00	115.00	125.00	20.00	5.00	24.75
G125117080GC	125.00	117.00	125.00	8.00	4.00	14.50
G125118100GC	125.00	118.00	125.00	10.00	3.50	15.85
G125118150GC	125.00	118.00	125.00	15.00	3.50	20.50
G125118200GC	125.00	118.00	125.00	20.00	3.50	24.75
G125118300GC	125.00	118.00	125.00	30.00	3.50	31.40
G125118500GC	125.00	118.00	125.00	50.00	3.50	45.15
G125119080GC	125.00	119.00	125.00	8.00	3.00	14.50
G125119095GC	125.00	119.00	125.00	9.50	3.00	15.65
G125119097GC	125.00	119.00	125.00	9.70	3.00	15.65
G125119100GC	125.00	119.00	125.00	10.00	3.00	15.85
G125119130GC	125.00	119.00	125.00	13.00	3.00	19.80
G125119150GC	125.00	119.00	125.00	15.00	3.00	20.50
G125119192GC	125.00	119.00	125.00	19.20	3.00	24.75
G125119200GC	125.00	119.00	125.00	20.00	3.00	24.75
G125119250GC	125.00	119.00	125.00	25.00	3.00	29.35
G125119300GC	125.00	119.00	125.00	30.00	3.00	31.40
G125119350GC	125.00	119.00	125.00	35.00	3.00	34.70
G125119400GC	125.00	119.00	125.00	40.00	3.00	37.50
G125120056GC	125.00	120.00	125.00	5.60	2.50	14.50
G125120060GC	125.00	120.00	125.00	6.00	2.50	13.20
G125120080GC	125.00	120.00	125.00	8.00	2.50	14.50
G125120095GC	125.00	120.00	125.00	9.50	2.50	15.65
G125120097GC	125.00	120.00	125.00	9.70	2.50	15.65

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G125120100GC	125.00	120.00	125.00	10.00	2.50	15.85
G125120125GC	125.00	120.00	125.00	12.50	2.50	17.50
G125120150GC	125.00	120.00	125.00	15.00	2.50	20.50
G125120160GC	125.00	120.00	125.00	16.00	2.50	24.15
G125120200GC	125.00	120.00	125.00	20.00	2.50	24.75
G125120250GC	125.00	120.00	125.00	25.00	2.50	29.35
G125120300GC	125.00	120.00	125.00	30.00	2.50	31.40
G125120400GC	125.00	120.00	125.00	40.00	2.50	37.50
G125120500GC	125.00	120.00	125.00	50.00	2.50	47.35
G125121100GC	125.00	121.00	125.00	10.00	2.00	15.85
G126120100GC	126.00	120.00	126.00	10.00	3.00	16.30
G126120130GC	126.00	120.00	126.00	13.00	3.00	20.10
G126120300GC	126.00	120.00	126.00	30.00	3.00	32.00
G126120400GC	126.00	120.00	126.00	40.00	3.00	38.10
G126120500GC	126.00	120.00	126.00	50.00	3.00	47.95
G127120124GC	127.00	120.60	127.00	12.40	3.20	O/R
G127121150GC	127.00	121.00	127.00	15.00	3.00	20.95
G129119300GC	129.00	119.00	129.00	30.00	5.00	32.00
G130118075GC	130.00	118.00	130.00	7.50	6.00	16.05
G130120150GC	130.00	120.00	130.00	15.00	5.00	21.15
G130120160GC	130.00	120.00	130.00	16.00	5.00	24.80
G130120200GC	130.00	120.00	130.00	20.00	5.00	25.15
G130120300GC	130.00	120.00	130.00	30.00	5.00	32.00
G130121150GC	130.00	121.00	130.00	15.00	4.50	21.15
G130122080GC	130.00	122.00	130.00	8.00	4.00	15.00
G130122095GC	130.00	122.00	130.00	9.50	4.00	16.35
G130123100GC	130.00	123.00	130.00	10.00	3.50	16.55
G130123150GC	130.00	123.00	130.00	15.00	3.50	21.15
G130123200GC	130.00	123.00	130.00	20.00	3.50	25.15
G130123250GC	130.00	123.00	130.00	25.00	3.50	30.05
G130123300GC	130.00	123.00	130.00	30.00	3.50	32.10
G130123350GC	130.00	123.00	130.00	35.00	3.50	35.40
G130123400GC	130.00	123.00	130.00	40.00	3.50	38.20
G130124098GC	130.00	124.00	130.00	9.80	3.00	16.35
G130124150GC	130.00	124.00	130.00	15.00	3.00	21.15
G130124300GC	130.00	124.00	130.00	30.00	3.00	32.10
G130125080GC	130.00	125.00	130.00	8.00	2.50	16.05
G130125095GC	130.00	125.00	130.00	9.50	2.50	16.35
G130125097GC	130.00	125.00	130.00	9.70	2.50	16.35
G130125100GC	130.00	125.00	130.00	10.00	2.50	16.55
G130125125GC	130.00	125.00	130.00	12.50	2.50	18.30
G130125150GC	130.00	125.00	130.00	15.00	2.50	21.15
G130125160GC	130.00	125.00	130.00	16.00	2.50	24.80
G130125200GC	130.00	125.00	130.00	20.00	2.50	25.15
G130125250GC	130.00	125.00	130.00	25.00	2.50	30.05
G130125300GC	130.00	125.00	130.00	30.00	2.50	32.10
G130125400GC	130.00	125.00	130.00	40.00	2.50	38.20
G131125130GC	131.00	125.00	131.00	13.00	3.00	20.25
G131125200GC	131.00	125.00	131.00	20.00	3.00	26.05
G131125250GC	131.00	125.00	131.00	25.00	3.00	31.45
G131125300GC	131.00	125.00	131.00	30.00	3.00	33.45
G131125400GC	131.00	125.00	131.00	40.00	3.00	39.55
G131125500GC	131.00	125.00	131.00	50.00	3.00	48.05
G131125508GC	131.00	125.00	131.00	50.80	3.00	O/R
G131125889GC	131.00	125.00	131.00	88.90	3.00	O/R
G131127220GC	131.00	127.00	131.00	22.00	2.00	26.85
G132125350GC	132.00	125.00	132.00	35.00	3.50	36.75
G133125200GC	133.00	125.00	133.00	20.00	4.00	26.05
G133125300GC	133.00	125.00	133.00	30.00	4.00	33.45
G133125450GC	133.00	125.00	133.00	45.00	4.00	44.75
G133125600GC	133.00	125.00	133.00	60.00	4.00	O/R
G133127130GC	133.00	127.00	133.00	13.00	3.00	20.25
G134130150GC	134.00	130.00	134.00	15.00	2.00	22.05
G135125076GC	135.00	125.00	135.00	7.60	5.00	16.35
G135125150GC	135.00	125.00	135.00	15.00	5.00	22.05
G135126150GC	135.00	126.00	135.00	15.00	4.50	22.05
G135127080GC	135.00	127.00	135.00	8.00	4.00	16.35
G135127100GC	135.00	127.00	135.00	10.00	4.00	17.10
G135127150GC	135.00	127.00	135.00	15.00	4.00	22.05
G135127250GC	135.00	127.00	135.00	25.00	4.00	32.00
G135128075GC	135.00	128.00	135.00	7.50	3.50	16.35
G135128095GC	135.00	128.00	135.00	9.50	3.50	16.90
G135128097GC	135.00	128.00	135.00	9.70	3.50	16.90
G135128100GC	135.00	128.00	135.00	10.00	3.50	17.10
G135128150GC	135.00	128.00	135.00	15.00	3.50	22.05
G135128200GC	135.00	128.00	135.00	20.00	3.50	27.05
G135128250GC	135.00	128.00	135.00	25.00	3.50	32.00
G135128350GC	135.00	128.00	135.00	35.00	3.50	37.30
G135128500GC	135.00	128.00	135.00	50.00	3.50	49.95
G135129080GC	135.00	129.00	135.00	8.00	3.00	16.35
G135129130GC	135.00	129.00	135.00	13.00	3.00	20.25
G135129140GC	135.00	129.00	135.00	14.00	3.00	21.80
G135129150GC	135.00	129.00	135.00	15.00	3.00	22.05
G135129200GC	135.00	129.00	135.00	20.00	3.00	27.05
G135129250GC	135.00	129.00	135.00	25.00	3.00	32.00
G135129300GC	135.00	129.00	135.00	30.00	3.00	34.00
G135129350GC	135.00	129.00	135.00	35.00	3.00	37.30
G135130080GC	135.00	130.00	135.00	8.00	2.50	16.35
G135130095GC	135.00	130.00	135.00	9.50	2.50	16.90
G135130097GC	135.00	130.00	135.00	9.70	2.50	16.90
G135130100GC	135.00	130.00	135.00	10.00	2.50	17.10
G135130125GC	135.00	130.00	135.00	12.50	2.50	18.30
G135130150GC	135.00	130.00	135.00	15.00	2.50	22.05
G136130100GC	136.00	130.00	136.00	10.00	3.00	17.10
G136130300GC	136.00	130.00	136.00	30.00	3.00	34.00
G136130500GC	136.00	130.00	136.00	50.00	3.00	49.95

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G137127170GC	137.00	127.00	137.00	17.00	5.00	30.05
G137130300GC	137.00	130.00	137.00	30.00	3.50	34.00
G137133317GC	137.40	133.60	137.40	31.70	1.90	O/R
G138130150GC	138.00	130.00	138.00	15.00	4.00	24.40
G138132200GC	138.00	132.00	138.00	20.00	3.00	27.40
G139127172GC	139.00	127.00	139.00	17.20	6.00	30.80
G139132310GC	139.00	132.70	139.00	31.00	3.15	37.30
G139133317GC	139.40	133.60	139.40	31.70	2.90	O/R
G140117150GC	140.00	117.00	140.00	15.00	11.50	38.55
G140128120GC	140.00	128.00	140.00	12.00	6.00	20.05
G140128170GC	140.00	128.00	140.00	17.00	6.00	32.00
G140128175GC	140.00	128.00	140.00	17.50	6.00	32.00
G140128200GC	140.00	128.00	140.00	20.00	6.00	28.95
G140130300GC	140.00	130.00	140.00	30.00	5.00	34.80
G140130400GC	140.00	130.00	140.00	40.00	5.00	40.90
G140132080GC	140.00	132.00	140.00	8.00	4.00	16.65
G140132095GC	140.00	132.00	140.00	9.50	4.00	18.65
G140132320GC	140.00	132.00	140.00	32.00	4.00	37.50
G140133100GC	140.00	133.00	140.00	10.00	3.50	19.40
G140133150GC	140.00	133.00	140.00	15.00	3.50	24.40
G140133170GC	140.00	133.00	140.00	17.00	3.50	26.85
G140133175GC	140.00	133.00	140.00	17.50	3.50	26.85
G140133200GC	140.00	133.00	140.00	20.00	3.50	28.95
G140133250GC	140.00	133.00	140.00	25.00	3.50	32.80
G140133300GC	140.00	133.00	140.00	30.00	3.50	34.80
G140133350GC	140.00	133.00	140.00	35.00	3.50	38.10
G140133400GC	140.00	133.00	140.00	40.00	3.50	40.90
G140133450GC	140.00	133.00	140.00	45.00	3.50	45.55
G140133500GC	140.00	133.00	140.00	50.00	3.50	50.75
G140134097GC	140.00	134.00	140.00	9.70	3.00	18.65
G140134130GC	140.00	134.00	140.00	13.00	3.00	22.85
G140134200GC	140.00	134.00	140.00	20.00	3.00	28.95
G140134250GC	140.00	134.00	140.00	25.00	3.00	32.80
G140134300GC	140.00	134.00	140.00	30.00	3.00	34.80
G140134400GC	140.00	134.00	140.00	40.00	3.00	40.90
G140134500GC	140.00	134.00	140.00	50.00	3.00	50.75
G140135080GC	140.00	135.00	140.00	8.00	2.50	16.65
G140135095GC	140.00	135.00	140.00	9.50	2.50	18.65
G140135097GC	140.00	135.00	140.00	9.70	2.50	18.65
G140135100GC	140.00	135.00	140.00	10.00	2.50	19.40
G140135120GC	140.00	135.00	140.00	12.00	2.50	20.05
G140135125GC	140.00	135.00	140.00	12.50	2.50	21.40
G140135150GC	140.00	135.00	140.00	15.00	2.50	24.40
G140135200GC	140.00	135.00	140.00	20.00	2.50	28.95
G140135250GC	140.00	135.00	140.00	25.00	2.50	32.80
G140135300GC	140.00	135.00	140.00	30.00	2.50	34.80
G140135350GC	140.00	135.00	140.00	35.00	2.50	38.10
G140135500GC	140.00	135.00	140.00	50.00	2.50	50.75

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G141135900GC	141.00	135.00	141.00	90.00	3.00	O/R
G142135150GC	142.00	135.00	142.00	15.00	3.50	24.95
G143136150GC	143.00	136.00	143.00	15.00	3.50	24.95
G145130400GC	145.00	130.00	145.00	40.00	7.50	41.20
G145133175GC	145.00	133.00	145.00	17.50	6.00	32.80
G145135150GC	145.00	135.00	145.00	15.00	5.00	24.95
G145137100GC	145.00	137.00	145.00	10.00	4.00	19.80
G145137150GC	145.00	137.00	145.00	15.00	4.00	24.95
G145138095GC	145.00	138.00	145.00	9.50	3.50	19.05
G145138097GC	145.00	138.00	145.00	9.70	3.50	19.05
G145138100GC	145.00	138.00	145.00	10.00	3.50	19.80
G145138150GC	145.00	138.00	145.00	15.00	3.50	24.95
G145138170GC	145.00	138.00	145.00	17.00	3.50	26.85
G145138200GC	145.00	138.00	145.00	20.00	3.50	30.05
G145138250GC	145.00	138.00	145.00	25.00	3.50	33.10
G145138300GC	145.00	138.00	145.00	30.00	3.50	35.10
G145138350GC	145.00	138.00	145.00	35.00	3.50	38.40
G145138500GC	145.00	138.00	145.00	50.00	3.50	51.05
G145139300GC	145.00	139.00	145.00	30.00	3.00	35.10
G145140080GC	145.00	140.00	145.00	8.00	2.50	16.95
G145140095GC	145.00	140.00	145.00	9.50	2.50	19.05
G145140097GC	145.00	140.00	145.00	9.70	2.50	19.05
G145140100GC	145.00	140.00	145.00	10.00	2.50	19.80
G145140125GC	145.00	140.00	145.00	12.50	2.50	21.95
G145140150GC	145.00	140.00	145.00	15.00	2.50	24.95
G145140200GC	145.00	140.00	145.00	20.00	2.50	30.05
G145140250GC	145.00	140.00	145.00	25.00	2.50	33.10
G145140300GC	145.00	140.00	145.00	30.00	2.50	35.10
G145140500GC	145.00	140.00	145.00	50.00	2.50	51.05
G146140130GC	146.00	140.00	146.00	13.00	3.00	23.05
G146140150GC	146.00	140.00	146.00	15.00	3.00	24.95
G146140250GC	146.00	140.00	146.00	25.00	3.00	33.10
G146140300GC	146.00	140.00	146.00	30.00	3.00	35.10
G146140317GC	146.00	140.00	146.00	31.70	3.00	37.50
G146140350GC	146.00	140.00	146.00	35.00	3.00	39.80
G146140400GC	146.00	140.00	146.00	40.00	3.00	42.60
G146140500GC	146.00	140.00	146.00	50.00	3.00	52.15
G146140600GC	146.00	140.00	146.00	60.00	3.00	O/R
G147140300GC	147.00	140.00	147.00	30.00	3.50	36.50
G147140400GC	147.00	140.00	147.00	40.00	3.50	42.60
G148140500GC	148.00	140.00	148.00	50.00	4.00	52.15
G150127150GC	150.00	127.00	150.00	15.00	11.50	40.80
G150138175GC	150.00	138.00	150.00	17.50	6.00	33.65
G150140095GC	150.00	140.00	150.00	9.50	5.00	20.10
G150140350GC	150.00	140.00	150.00	35.00	5.00	39.80
G150142080GC	150.00	142.00	150.00	8.00	4.00	17.15
G150142150GC	150.00	142.00	150.00	15.00	4.00	25.15
G150142170GC	150.00	142.00	150.00	17.00	4.00	28.95

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G150142200GC	150.00	142.00	150.00	20.00	4.00	30.05
G150143100GC	150.00	143.00	150.00	10.00	3.50	20.50
G150143150GC	150.00	143.00	150.00	15.00	3.50	25.15
G150143175GC	150.00	143.00	150.00	17.50	3.50	27.70
G150143200GC	150.00	143.00	150.00	20.00	3.50	30.05
G150143250GC	150.00	143.00	150.00	25.00	3.50	34.50
G150143300GC	150.00	143.00	150.00	30.00	3.50	36.50
G150143350GC	150.00	143.00	150.00	35.00	3.50	39.80
G150143400GC	150.00	143.00	150.00	40.00	3.50	42.60
G150143450GC	150.00	143.00	150.00	45.00	3.50	46.95
G150143500GC	150.00	143.00	150.00	50.00	3.50	52.15
G150144130GC	150.00	144.00	150.00	13.00	3.00	23.05
G150144200GC	150.00	144.00	150.00	20.00	3.00	30.05
G150144250GC	150.00	144.00	150.00	25.00	3.00	34.50
G150144300GC	150.00	144.00	150.00	30.00	3.00	36.50
G150144350GC	150.00	144.00	150.00	35.00	3.00	39.80
G150144400GC	150.00	144.00	150.00	40.00	3.00	42.60
G150144500GC	150.00	144.00	150.00	50.00	3.00	52.15
G150145080GC	150.00	145.00	150.00	8.00	2.50	17.15
G150145095GC	150.00	145.00	150.00	9.50	2.50	20.10
G150145097GC	150.00	145.00	150.00	9.70	2.50	20.10
G150145100GC	150.00	145.00	150.00	10.00	2.50	20.50
G150145125GC	150.00	145.00	150.00	12.50	2.50	21.95
G150145150GC	150.00	145.00	150.00	15.00	2.50	25.15
G150145160GC	150.00	145.00	150.00	16.00	2.50	27.85
G150145200GC	150.00	145.00	150.00	20.00	2.50	30.05
G150145250GC	150.00	145.00	150.00	25.00	2.50	34.50
G150145350GC	150.00	145.00	150.00	35.00	2.50	39.80
G150145400GC	150.00	145.00	150.00	40.00	2.50	42.60
G150145500GC	150.00	145.00	150.00	50.00	2.50	52.15
G150148150GC	150.00	148.00	150.00	15.00	1.00	25.15
G151145500GC	151.00	145.00	151.00	50.00	3.00	53.85
G152147130GC	152.00	147.00	152.00	13.00	2.50	23.50
G152147150GC	152.00	147.00	152.00	15.00	2.50	26.20
G155148150GC	155.00	148.00	155.00	15.00	3.50	26.20
G155148350GC	155.00	148.00	155.00	35.00	3.50	41.50
G155150080GC	155.00	150.00	155.00	8.00	2.50	17.95
G155150097GC	155.00	150.00	155.00	9.70	2.50	20.20
G155150100GC	155.00	150.00	155.00	10.00	2.50	20.60
G155150150GC	155.00	150.00	155.00	15.00	2.50	26.20
G155150200GC	155.00	150.00	155.00	20.00	2.50	30.05
G155150250GC	155.00	150.00	155.00	25.00	2.50	35.40
G155150300GC	155.00	150.00	155.00	30.00	2.50	37.40
G156150200GC	156.00	150.00	156.00	20.00	3.00	30.05
G156150300GC	156.00	150.00	156.00	30.00	3.00	39.90
G156150350GC	156.00	150.00	156.00	35.00	3.00	41.50
G156150400GC	156.00	150.00	156.00	40.00	3.00	44.40
G157150400GC	157.00	150.00	157.00	40.00	3.50	44.40
G157152250GC	157.00	152.00	157.00	25.00	2.50	35.40
G158150350GC	158.00	150.00	158.00	35.00	4.00	41.50
G158150400GC	158.00	150.00	158.00	40.00	4.00	44.40
G158150600GC	158.00	150.00	158.00	60.00	4.00	O/R
G159147200GC	159.00	147.00	159.00	20.00	6.00	30.05
G160148100GC	160.00	148.00	160.00	10.00	6.00	21.80
G160148200GC	160.00	148.00	160.00	20.00	6.00	32.80
G160148220GC	160.00	148.00	160.00	22.00	6.00	33.90
G160150200GC	160.00	150.00	160.00	20.00	5.00	32.80
G160150230GC	160.00	150.00	160.00	23.00	5.00	34.60
G160152350GC	160.00	152.00	160.00	35.00	4.00	43.20
G160152400GC	160.00	152.00	160.00	40.00	4.00	46.20
G160153100GC	160.00	153.00	160.00	10.00	3.50	21.80
G160153150GC	160.00	153.00	160.00	15.00	3.50	27.15
G160153200GC	160.00	153.00	160.00	20.00	3.50	32.80
G160153250GC	160.00	153.00	160.00	25.00	3.50	37.90
G160153270GC	160.00	153.00	160.00	27.00	3.50	38.75
G160153300GC	160.00	153.00	160.00	30.00	3.50	39.90
G160153350GC	160.00	153.00	160.00	35.00	3.50	43.20
G160153400GC	160.00	153.00	160.00	40.00	3.50	46.20
G160153450GC	160.00	153.00	160.00	45.00	3.50	50.35
G160154130GC	160.00	154.00	160.00	13.00	3.00	23.95
G160154150GC	160.00	154.00	160.00	15.00	3.00	27.15
G160154195GC	160.00	154.00	160.00	19.50	3.00	32.80
G160154200GC	160.00	154.00	160.00	20.00	3.00	32.80
G160154250GC	160.00	154.00	160.00	25.00	3.00	37.90
G160154300GC	160.00	154.00	160.00	30.00	3.00	39.90
G160154350GC	160.00	154.00	160.00	35.00	3.00	43.20
G160154400GC	160.00	154.00	160.00	40.00	3.00	46.20
G160154500GC	160.00	154.00	160.00	50.00	3.00	55.55
G160155080GC	160.00	155.00	160.00	8.00	2.50	18.65
G160155095GC	160.00	155.00	160.00	9.50	2.50	21.40
G160155097GC	160.00	155.00	160.00	9.70	2.50	21.40
G160155100GC	160.00	155.00	160.00	10.00	2.50	21.80
G160155125GC	160.00	155.00	160.00	12.50	2.50	22.05
G160155150GC	160.00	155.00	160.00	15.00	2.50	27.15
G160155160GC	160.00	155.00	160.00	16.00	2.50	28.40
G160155200GC	160.00	155.00	160.00	20.00	2.50	32.80
G160155230GC	160.00	155.00	160.00	23.00	2.50	34.60
G160155250GC	160.00	155.00	160.00	25.00	2.50	37.90
G160155400GC	160.00	155.00	160.00	40.00	2.50	46.20
G160155500GC	160.00	155.00	160.00	50.00	2.50	55.55
G161155195GC	161.00	155.00	161.00	19.50	3.00	32.80
G165157095GC	165.00	157.00	165.00	9.50	4.00	21.45
G165157100GC	165.00	157.00	165.00	10.00	4.00	21.85
G165157150GC	165.00	157.00	165.00	15.00	4.00	27.95
G165157200GC	165.00	157.00	165.00	20.00	4.00	33.40
G165157250GC	165.00	157.00	165.00	25.00	4.00	38.60

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G165157300GC	165.00	157.00	165.00	30.00	4.00	40.60
G165157350GC	165.00	157.00	165.00	35.00	4.00	44.20
G165157450GC	165.00	157.00	165.00	45.00	4.00	51.35
G165157500GC	165.00	157.00	165.00	50.00	4.00	56.55
G165157600GC	165.00	157.00	165.00	60.00	4.00	O/R
G165158097GC	165.00	158.00	165.00	9.70	3.50	21.45
G165158150GC	165.00	158.00	165.00	15.00	3.50	27.95
G165158500GC	165.00	158.00	165.00	50.00	3.50	56.55
G165159300GC	165.00	159.00	165.00	30.00	3.00	40.60
G165160097GC	165.00	160.00	165.00	9.70	2.50	21.45
G1651601000GC	165.00	160.00	165.00	100.00	2.50	O/R
G165160100GC	165.00	160.00	165.00	10.00	2.50	21.85
G165160150GC	165.00	160.00	165.00	15.00	2.50	27.95
G165160200GC	165.00	160.00	165.00	20.00	2.50	33.40
G165160250GC	165.00	160.00	165.00	25.00	2.50	38.60
G165160300GC	165.00	160.00	165.00	30.00	2.50	40.60
G165160350GC	165.00	160.00	165.00	35.00	2.50	44.20
G165160400GC	165.00	160.00	165.00	40.00	2.50	47.20
G165160500GC	165.00	160.00	165.00	50.00	2.50	56.55
G166160130GC	166.00	160.00	166.00	13.00	3.00	24.95
G166160200GC	166.00	160.00	166.00	20.00	3.00	33.40
G166160250GC	166.00	160.00	166.00	25.00	3.00	38.60
G166160300GC	166.00	160.00	166.00	30.00	3.00	40.60
G168160200GC	168.00	160.00	168.00	20.00	4.00	33.40
G168160300GC	168.00	160.00	168.00	30.00	4.00	40.90
G168160400GC	168.00	160.00	168.00	40.00	4.00	47.90
G168160800GC	168.00	160.00	168.00	80.00	4.00	O/R
G170158200GC	170.00	158.00	170.00	20.00	6.00	35.70
G170160200GC	170.00	160.00	170.00	20.00	5.00	35.70
G170162045GC	170.00	162.00	170.00	4.50	4.00	18.05
G170162097GC	170.00	162.00	170.00	9.70	4.00	23.05
G170162100GC	170.00	162.00	170.00	10.00	4.00	23.45
G170162150GC	170.00	162.00	170.00	15.00	4.00	28.40
G170162200GC	170.00	162.00	170.00	20.00	4.00	35.70
G170162250GC	170.00	162.00	170.00	25.00	4.00	39.80
G170162300GC	170.00	162.00	170.00	30.00	4.00	41.80
G170162350GC	170.00	162.00	170.00	35.00	4.00	45.20
G170162400GC	170.00	162.00	170.00	40.00	4.00	48.90
G170162450GC	170.00	162.00	170.00	45.00	4.00	52.35
G170162500GC	170.00	162.00	170.00	50.00	4.00	57.55
G170163400GC	170.00	163.00	170.00	40.00	3.50	48.90
G170164095GC	170.00	164.00	170.00	9.50	3.00	22.60
G170164100GC	170.00	164.00	170.00	10.00	3.00	23.45
G170164150GC	170.00	164.00	170.00	15.00	3.00	28.40
G170164195GC	170.00	164.00	170.00	19.50	3.00	35.70
G170164200GC	170.00	164.00	170.00	20.00	3.00	35.70
G170164300GC	170.00	164.00	170.00	30.00	3.00	41.80
G170164350GC	170.00	164.00	170.00	35.00	3.00	45.20

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G170164500GC	170.00	164.00	170.00	50.00	3.00	57.55
G170165080GC	170.00	165.00	170.00	8.00	2.50	19.40
G170165095GC	170.00	165.00	170.00	9.50	2.50	23.05
G170165097GC	170.00	165.00	170.00	9.70	2.50	23.05
G170165100GC	170.00	165.00	170.00	10.00	2.50	23.45
G170165150GC	170.00	165.00	170.00	15.00	2.50	28.40
G170165200GC	170.00	165.00	170.00	20.00	2.50	35.70
G170165250GC	170.00	165.00	170.00	25.00	2.50	39.80
G170165300GC	170.00	165.00	170.00	30.00	2.50	41.80
G170165350GC	170.00	165.00	170.00	35.00	2.50	45.20
G170165500GC	170.00	165.00	170.00	50.00	2.50	57.55
G173165200GC	173.00	165.00	173.00	20.00	4.00	35.70
G175165150GC	175.00	165.00	175.00	15.00	5.00	28.95
G175168150GC	175.00	168.00	175.00	15.00	3.50	28.95
G175169500GC	175.00	169.00	175.00	50.00	3.00	58.75
G175170097GC	175.00	170.00	175.00	9.70	2.50	24.15
G175170100GC	175.00	170.00	175.00	10.00	2.50	24.55
G175170150GC	175.00	170.00	175.00	15.00	2.50	28.95
G175170200GC	175.00	170.00	175.00	20.00	2.50	35.70
G175170250GC	175.00	170.00	175.00	25.00	2.50	40.40
G176170400GC	176.00	170.00	176.00	40.00	3.00	51.30
G176170500GC	176.00	170.00	176.00	50.00	3.00	59.95
G180168220GC	180.00	168.00	180.00	22.00	6.00	38.95
G180168225GC	180.00	168.00	180.00	22.50	6.00	38.95
G180170080GC	180.00	170.00	180.00	8.00	5.00	21.80
G180170250GC	180.00	170.00	180.00	25.00	5.00	42.20
G180170460GC	180.00	170.00	180.00	46.00	5.00	54.75
G180170500GC	180.00	170.00	180.00	50.00	5.00	59.95
G180172100GC	180.00	172.00	180.00	10.00	4.00	25.25
G180172120GC	180.00	172.00	180.00	12.00	4.00	25.45
G180172125GC	180.00	172.00	180.00	12.50	4.00	26.85
G180172150GC	180.00	172.00	180.00	15.00	4.00	30.10
G180172200GC	180.00	172.00	180.00	20.00	4.00	37.15
G180172220GC	180.00	172.00	180.00	22.00	4.00	38.95
G180172225GC	180.00	172.00	180.00	22.50	4.00	38.95
G180172250GC	180.00	172.00	180.00	25.00	4.00	42.20
G180172300GC	180.00	172.00	180.00	30.00	4.00	44.20
G180172350GC	180.00	172.00	180.00	35.00	4.00	47.60
G180172400GC	180.00	172.00	180.00	40.00	4.00	51.30
G180172450GC	180.00	172.00	180.00	45.00	4.00	54.75
G180172500GC	180.00	172.00	180.00	50.00	4.00	59.95
G180172550GC	180.00	172.00	180.00	55.00	4.00	O/R
G180173250GC	180.00	173.00	180.00	25.00	3.50	42.20
G180173270GC	180.00	173.00	180.00	27.00	3.50	43.25
G180173450GC	180.00	173.00	180.00	45.00	3.50	54.75
G180173500GC	180.00	173.00	180.00	50.00	3.50	59.95
G180174100GC	180.00	174.00	180.00	10.00	3.00	25.25
G180174130GC	180.00	174.00	180.00	13.00	3.00	28.10

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G180174195GC	180.00	174.00	180.00	19.50	3.00	37.15
G180174200GC	180.00	174.00	180.00	20.00	3.00	37.15
G180174300GC	180.00	174.00	180.00	30.00	3.00	44.20
G180174350GC	180.00	174.00	180.00	35.00	3.00	47.60
G180174400GC	180.00	174.00	180.00	40.00	3.00	51.30
G180174500GC	180.00	174.00	180.00	50.00	3.00	59.95
G180175080GC	180.00	175.00	180.00	8.00	2.50	21.80
G180175095GC	180.00	175.00	180.00	9.50	2.50	24.80
G180175097GC	180.00	175.00	180.00	9.70	2.50	24.80
G180175100GC	180.00	175.00	180.00	10.00	2.50	25.25
G180175120GC	180.00	175.00	180.00	12.00	2.50	25.45
G180175125GC	180.00	175.00	180.00	12.50	2.50	26.85
G180175150GC	180.00	175.00	180.00	15.00	2.50	30.10
G180175160GC	180.00	175.00	180.00	16.00	2.50	32.20
G180175200GC	180.00	175.00	180.00	20.00	2.50	37.15
G180175250GC	180.00	175.00	180.00	25.00	2.50	42.20
G180175300GC	180.00	175.00	180.00	30.00	2.50	44.20
G180175350GC	180.00	175.00	180.00	35.00	2.50	47.60
G180175400GC	180.00	175.00	180.00	40.00	2.50	51.30
G180175450GC	180.00	175.00	180.00	45.00	2.50	54.75
G180175500GC	180.00	175.00	180.00	50.00	2.50	59.95
G181175400GC	181.00	175.00	181.00	40.00	3.00	52.60
G181175900GC	181.00	175.00	181.00	90.00	3.00	O/R
G184178254GC	184.50	178.20	184.50	25.40	3.15	O/R
G185173200GC	185.00	173.00	185.00	20.00	6.00	37.15
G185173225GC	185.00	173.00	185.00	22.50	6.00	38.95
G185173250GC	185.00	173.00	185.00	25.00	6.00	42.20
G185177150GC	185.00	177.00	185.00	15.00	4.00	30.10
G185177450GC	185.00	177.00	185.00	45.00	4.00	55.70
G185180097GC	185.00	180.00	185.00	9.70	2.50	25.30
G185180100GC	185.00	180.00	185.00	10.00	2.50	25.80
G185180148GC	185.00	180.00	185.00	14.80	2.50	33.65
G185180150GC	185.00	180.00	185.00	15.00	2.50	30.10
G185180250GC	185.00	180.00	185.00	25.00	2.50	42.20
G185180500GC	185.00	180.00	185.00	50.00	2.50	61.25
G186180195GC	186.00	180.00	186.00	19.50	3.00	37.95
G186180200GC	186.00	180.00	186.00	20.00	3.00	37.95
G186180250GC	186.00	180.00	186.00	25.00	3.00	43.85
G186180400GC	186.00	180.00	186.00	40.00	3.00	52.60
G186180500GC	186.00	180.00	186.00	50.00	3.00	61.25
G188180300GC	188.00	180.00	188.00	30.00	4.00	48.40
G188180500GC	188.00	180.00	188.00	50.00	4.00	61.25
G188180800GC	188.00	180.00	188.00	80.00	4.00	O/R
G190178220GC	190.00	178.00	190.00	22.00	6.00	40.60
G190182100GC	190.00	182.00	190.00	10.00	4.00	26.10
G190182150GC	190.00	182.00	190.00	15.00	4.00	32.15
G190182200GC	190.00	182.00	190.00	20.00	4.00	38.80
G190182225GC	190.00	182.00	190.00	22.50	4.00	40.60

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G190182230GC	190.00	182.00	190.00	23.00	4.00	41.50
G190182250GC	190.00	182.00	190.00	25.00	4.00	43.85
G190182300GC	190.00	182.00	190.00	30.00	4.00	45.85
G190182350GC	190.00	182.00	190.00	35.00	4.00	49.45
G190182450GC	190.00	182.00	190.00	45.00	4.00	56.60
G190182500GC	190.00	182.00	190.00	50.00	4.00	62.55
G190184300GC	190.00	184.00	190.00	30.00	3.00	45.85
G190184400GC	190.00	184.00	190.00	40.00	3.00	53.90
G190184500GC	190.00	184.00	190.00	50.00	3.00	62.55
G190184900GC	190.00	184.00	190.00	90.00	3.00	O/R
G190185080GC	190.00	185.00	190.00	8.00	2.50	22.05
G190185095GC	190.00	185.00	190.00	9.50	2.50	24.05
G190185097GC	190.00	185.00	190.00	9.70	O/R	25.95
G190185100GC	190.00	185.00	190.00	10.00	2.50	26.10
G190185150GC	190.00	185.00	190.00	15.00	2.50	32.15
G190185250GC	190.00	185.00	190.00	25.00	2.50	43.85
G190185300GC	190.00	185.00	190.00	30.00	2.50	45.85
G195190097GC	195.00	190.00	195.00	9.70	2.50	26.50
G195190100GC	195.00	190.00	195.00	10.00	2.50	26.75
G195190150GC	195.00	190.00	195.00	15.00	2.50	32.95
G195190200GC	195.00	190.00	195.00	20.00	2.50	39.30
G195190250GC	195.00	190.00	195.00	25.00	2.50	44.25
G195190300GC	195.00	190.00	195.00	30.00	2.50	46.25
G198190400GC	198.00	190.00	198.00	40.00	4.00	55.25
G198190600GC	198.00	190.00	198.00	60.00	4.00	O/R
G199193130GC	199.00	193.00	199.00	13.00	3.00	28.10
G200182250GC	200.00	182.00	200.00	25.00	9.00	44.25
G200188195GC	200.00	188.00	200.00	19.50	6.00	39.30
G200188220GC	200.00	188.00	200.00	22.00	6.00	41.10
G200188225GC	200.00	188.00	200.00	22.50	6.00	55.85
G200190400GC-SC	200.00	190.00	200.00	40.00	5.00	55.25
G200191250GC	200.00	191.00	200.00	25.00	4.50	44.25
G200192100GC	200.00	192.00	200.00	10.00	4.00	28.00
G200192150GC	200.00	192.00	200.00	15.00	4.00	32.95
G200192200GC	200.00	192.00	200.00	20.00	4.00	39.30
G200192220GC	200.00	192.00	200.00	22.00	4.00	41.10
G200192225GC	200.00	192.00	200.00	22.50	4.00	47.35
G200192250GC	200.00	192.00	200.00	25.00	4.00	44.25
G200192300GC	200.00	192.00	200.00	30.00	4.00	46.25
G200192400GC	200.00	192.00	200.00	40.00	4.00	55.25
G200192450GC	200.00	192.00	200.00	45.00	4.00	57.95
G200192500GC	200.00	192.00	200.00	50.00	4.00	63.90
G200194100GC	200.00	194.00	200.00	10.00	3.00	28.00
G200194150GC	200.00	194.00	200.00	15.00	3.00	32.95
G200194189GC	200.00	194.00	200.00	18.87	3.00	39.30
G200194195GC	200.00	194.00	200.00	19.50	3.00	39.30
G200194200GC	200.00	194.00	200.00	20.00	3.00	39.30
G200194250GC	200.00	194.00	200.00	25.00	3.00	44.25

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G200194300GC	200.00	194.00	200.00	30.00	3.00	46.25
G200194350GC	200.00	194.00	200.00	35.00	3.00	50.80
G200194400GC	200.00	194.00	200.00	40.00	3.00	55.25
G200194500GC	200.00	194.00	200.00	50.00	3.00	63.90
G200195080GC	200.00	195.00	200.00	8.00	2.50	22.60
G200195095GC	200.00	195.00	200.00	9.50	2.50	27.60
G200195097GC	200.00	195.00	200.00	9.70	2.50	27.60
G200195100GC	200.00	195.00	200.00	10.00	2.50	28.00
G2001951195GC	200.00	195.00	200.00	119.50	2.50	O/R
G200195150GC	200.00	195.00	200.00	15.00	2.50	32.95
G200195200GC	200.00	195.00	200.00	20.00	2.50	39.30
G200195250GC	200.00	195.00	200.00	25.00	2.50	44.25
G200195400GC	200.00	195.00	200.00	40.00	2.50	55.25
G200196250GC	200.00	196.00	200.00	25.00	2.00	44.25
G203195250GC	203.00	195.00	203.00	25.00	4.00	O/R
G204196250GC	204.00	196.00	204.00	25.00	4.00	O/R
G205197500GC	205.00	197.00	205.00	50.00	4.00	O/R
G205200150GC	205.00	200.00	205.00	15.00	2.50	O/R
G205200200GC	205.00	200.00	205.00	20.00	2.50	O/R
G205200250GC	205.00	200.00	205.00	25.00	2.50	O/R
G205200700GC	205.00	200.00	205.00	70.00	2.50	O/R
G206198360GC	206.00	198.00	206.00	36.00	4.00	O/R
G206200195GC	206.00	200.00	206.00	19.50	3.00	O/R
G208200200GC	208.00	200.00	208.00	20.00	4.00	O/R
G208200300GC	208.00	200.00	208.00	30.00	4.00	O/R
G208200400GC	208.00	200.00	208.00	40.00	4.00	O/R
G208200500GC	208.00	200.00	208.00	50.00	4.00	O/R
G210200248GC	210.00	200.00	210.00	24.80	5.00	O/R
G210200350GC	210.00	200.00	210.00	35.00	5.00	O/R
G210202140GC	210.00	202.00	210.00	14.00	4.00	O/R
G210202250GC	210.00	202.00	210.00	25.00	4.00	O/R
G210202450GC	210.00	202.00	210.00	45.00	4.00	O/R
G210202500GC	210.00	202.00	210.00	50.00	4.00	O/R
G210204500GC	210.00	204.00	210.00	50.00	3.00	O/R
G210205097GC	210.00	205.00	210.00	9.70	2.50	O/R
G210205150GC	210.00	205.00	210.00	15.00	2.50	O/R
G210205250GC	210.00	205.00	210.00	25.00	2.50	O/R
G213205650GC	213.00	205.00	213.00	65.00	4.00	O/R
G215207500GC	215.00	207.00	215.00	50.00	4.00	O/R
G215210150GC	215.00	210.00	215.00	15.00	2.50	O/R
G215210200GC	215.00	210.00	215.00	20.00	2.50	O/R
G215210250GC	215.00	210.00	215.00	25.00	2.50	O/R
G215210350GC	215.00	210.00	215.00	35.00	2.50	O/R
G218210250GC	218.00	210.00	218.00	25.00	4.00	O/R
G218210350GC	218.00	210.00	218.00	35.00	4.00	O/R
G218211120GC	218.00	211.00	218.00	12.00	3.50	O/R
G220200400GC-SC	220.00	200.00	220.00	40.00	10.00	O/R
G220210150GC	220.00	210.00	220.00	15.00	5.00	O/R
G220210400GC-C	220.00	210.00	220.00	40.00	5.00	O/R
G220210500GC	220.00	210.00	220.00	50.00	5.00	O/R
G220210600GC	220.00	210.00	220.00	60.00	5.00	O/R
G220212200GC	220.00	212.00	220.00	20.00	4.00	O/R
G220212300GC	220.00	212.00	220.00	30.00	4.00	O/R
G220212400GC	220.00	212.00	220.00	40.00	4.00	O/R
G220212450GC	220.00	212.00	220.00	45.00	4.00	O/R
G220212500GC	220.00	212.00	220.00	50.00	4.00	O/R
G220214195GC	220.00	214.00	220.00	19.50	3.00	O/R
G220214200GC	220.00	214.00	220.00	20.00	3.00	O/R
G220214250GC	220.00	214.00	220.00	25.00	3.00	O/R
G220214300GC	220.00	214.00	220.00	30.00	3.00	O/R
G220214400GC	220.00	214.00	220.00	40.00	3.00	O/R
G220214500GC	220.00	214.00	220.00	50.00	3.00	O/R
G220214600GC	220.00	214.00	220.00	60.00	3.00	O/R
G220215097GC	220.00	215.00	220.00	9.70	2.50	O/R
G220215100GC	220.00	215.00	220.00	10.00	2.50	O/R
G220215150GC	220.00	215.00	220.00	15.00	2.50	O/R
G220215160GC	220.00	215.00	220.00	16.00	2.50	O/R
G220215200GC	220.00	215.00	220.00	20.00	2.50	O/R
G220215250GC	220.00	215.00	220.00	25.00	2.50	O/R
G220215600GC	220.00	215.00	220.00	60.00	2.50	O/R
G220216160GC	220.00	216.00	220.00	16.00	2.00	O/R
G224215500GC	224.00	215.00	224.00	50.00	4.50	O/R
G224216250GC	224.00	216.00	224.00	25.00	4.00	O/R
G224216260GC	224.00	216.00	224.00	26.00	4.00	O/R
G224218600GC	224.00	218.00	224.00	60.00	3.00	O/R
G225213225GC	225.00	213.00	225.00	22.50	6.00	O/R
G225217250GC	225.00	217.00	225.00	25.00	4.00	O/R
G225217450GC	225.00	217.00	225.00	45.00	4.00	O/R
G225217500GC	225.00	217.00	225.00	50.00	4.00	O/R
G225220097GC	225.00	220.00	225.00	9.70	2.50	O/R
G225220100GC	225.00	220.00	225.00	10.00	2.50	O/R
G2252201300GC	225.00	220.00	225.00	130.00	2.50	O/R
G225220150GC	225.00	220.00	225.00	15.00	2.50	O/R
G225220160GC	225.00	220.00	225.00	16.00	2.50	O/R
G225220200GC	225.00	220.00	225.00	20.00	2.50	O/R
G225220250GC	225.00	220.00	225.00	25.00	2.50	O/R
G226220600GC	226.00	220.00	226.00	60.00	3.00	O/R
G226220635GC	226.00	220.00	226.00	63.50	3.00	O/R
G228220200GC	228.00	220.00	228.00	20.00	4.00	O/R
G228220500GC	228.00	220.00	228.00	50.00	4.00	O/R
G228220500GC-1	228.15	220.00	228.15	50.00	4.08	O/R
G228220800GC	228.00	220.00	228.00	80.00	4.00	O/R
G230222300GC	230.00	222.00	230.00	30.00	4.00	O/R
G230222450GC	230.00	222.00	230.00	45.00	4.00	O/R
G230222500GC	230.00	222.00	230.00	50.00	4.00	O/R
G230222550GC	230.00	222.00	230.00	55.00	4.00	O/R

GC SERIES - PHENOLIC

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G230223500GC	230.00	223.00	230.00	50.00	3.50	O/R
G230224250GC	230.00	224.00	230.00	25.00	3.00	O/R
G230224300GC	230.00	224.00	230.00	30.00	3.00	O/R
G230224600GC	230.00	224.00	230.00	60.00	3.00	O/R
G230225097GC	230.00	225.00	230.00	9.70	2.50	O/R
G230225100GC	230.00	225.00	230.00	10.00	2.50	O/R
G230225150GC	230.00	225.00	230.00	15.00	2.50	O/R
G230225249GC	230.00	225.00	230.00	24.90	2.50	O/R
G230225250GC	230.00	225.00	230.00	25.00	2.50	O/R
G235227150GC	235.00	227.00	235.00	15.00	4.00	O/R
G235227300GC	235.00	227.00	235.00	30.00	4.00	O/R
G235229250GC	235.00	229.00	235.00	25.00	3.00	O/R
G235229300GC	235.00	229.00	235.00	30.00	3.00	O/R
G235230150GC	235.00	230.00	235.00	15.00	2.50	O/R
G235230250GC	235.00	230.00	235.00	25.00	2.50	O/R
G236230300GC	236.00	230.00	236.00	30.00	3.00	O/R
G2382301100GC	238.00	230.00	238.00	110.00	4.00	O/R
G238230600GC	238.00	230.00	238.00	60.00	4.00	O/R
G240232300GC	240.00	232.00	240.00	30.00	4.00	O/R
G240232550GC	240.00	232.00	240.00	55.00	4.00	O/R
G240234600GC	240.00	234.00	240.00	60.00	3.00	O/R
G240235150GC	240.00	235.00	240.00	15.00	2.50	O/R
G240235250GC	240.00	235.00	240.00	25.00	2.50	O/R
G243235300GC	243.00	235.00	243.00	30.00	4.00	O/R
G245240150GC	245.00	240.00	245.00	15.00	2.50	O/R
G245240200GC	245.00	240.00	245.00	20.00	2.50	O/R
G245240250GC	245.00	240.00	245.00	25.00	2.50	O/R
G248240300GC	248.00	240.00	248.00	30.00	4.00	O/R
G248240600GC	248.00	240.00	248.00	60.00	4.00	O/R
G250240460GC	250.00	240.00	250.00	46.00	5.00	O/R
G250240600GC	250.00	240.00	250.00	60.00	5.00	O/R
G250242250GC	250.00	242.00	250.00	25.00	4.00	O/R
G250242300GC	250.00	242.00	250.00	30.00	4.00	O/R
G250242400GC	250.00	242.00	250.00	40.00	4.00	O/R
G250242450GC	250.00	242.00	250.00	45.00	4.00	O/R
G250242500GC	250.00	242.00	250.00	50.00	4.00	O/R
G250242550GC	250.00	242.00	250.00	55.00	4.00	O/R
G250242600GC	250.00	242.00	250.00	60.00	4.00	O/R
G250244195GC	250.00	244.00	250.00	19.50	3.00	O/R
G250244250GC	250.00	244.00	250.00	25.00	3.00	O/R
G250244350GC	250.00	244.00	250.00	35.00	3.00	O/R
G250244400GC	250.00	244.00	250.00	40.00	3.00	O/R
G250244500GC	250.00	244.00	250.00	50.00	3.00	O/R
G250244600GC	250.00	244.00	250.00	60.00	3.00	O/R
G250245097GC	250.00	245.00	250.00	9.70	2.50	O/R
G250245150GC	250.00	245.00	250.00	15.00	2.50	O/R
G250245160GC	250.00	245.00	250.00	16.00	2.50	O/R
G250245250GC	250.00	245.00	250.00	25.00	2.50	O/R

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G250246305GC	250.00	246.00	250.00	30.50	2.00	O/R
G255247550GC	255.00	247.00	255.00	55.00	4.00	O/R
G255247600GC	255.00	247.00	255.00	60.00	4.00	O/R
G255250150GC	255.00	250.00	255.00	15.00	2.50	O/R
G255250250GC	255.00	250.00	255.00	25.00	2.50	O/R
G258250300GC	258.00	250.00	258.00	30.00	4.00	O/R
G258250400GC	258.00	250.00	258.00	40.00	4.00	O/R
G258250450GC	258.00	250.00	258.00	45.00	4.00	O/R
G258250600GC	258.00	250.00	258.00	60.00	4.00	O/R
G258250650GC	258.00	250.00	258.00	65.00	4.00	O/R
G258250800GC	258.00	250.00	258.00	80.00	4.00	O/R
G260252250GC	260.00	252.00	260.00	25.00	4.00	O/R
G260252600GC	260.00	252.00	260.00	60.00	4.00	O/R
G260254300GC	260.00	254.00	260.00	30.00	3.00	O/R
G260255150GC	260.00	255.00	260.00	15.00	2.50	O/R
G260255250GC	260.00	255.00	260.00	25.00	2.50	O/R
G260255300GC	260.00	255.00	260.00	30.00	2.50	O/R
G265260150GC	265.00	260.00	265.00	15.00	2.50	O/R
G265260250GC	265.00	260.00	265.00	25.00	2.50	O/R
G266260400GC	266.00	260.00	266.00	40.00	3.00	O/R
G268260400GC	268.00	260.00	268.00	40.00	4.00	O/R
G270260700GC	270.00	260.00	270.00	70.00	5.00	O/R
G270262300GC	270.00	262.00	270.00	30.00	4.00	O/R
G270262400GC	270.00	262.00	270.00	40.00	4.00	O/R
G270262600GC	270.00	262.00	270.00	60.00	4.00	O/R
G270265150GC	270.00	265.00	270.00	15.00	2.50	O/R
G270265250GC	270.00	265.00	270.00	25.00	2.50	O/R
G272264240GC	272.00	264.00	272.00	24.00	4.00	O/R
G275267600GC	275.00	267.00	275.00	60.00	4.00	O/R
G275270150GC	275.00	270.00	275.00	15.00	2.50	O/R
G275270250GC	275.00	270.00	275.00	25.00	2.50	O/R
G280270600GC	280.00	270.00	280.00	60.00	5.00	O/R
G280272200GC	280.00	272.00	280.00	20.00	4.00	O/R
G280272250GC	280.00	272.00	280.00	25.00	4.00	O/R
G280272300GC	280.00	272.00	280.00	30.00	4.00	O/R
G280272500GC	280.00	272.00	280.00	50.00	4.00	O/R
G280272600GC	280.00	272.00	280.00	60.00	4.00	O/R
G280274195GC	280.00	274.00	280.00	19.50	3.00	O/R
G280274400GC	280.00	274.00	280.00	40.00	3.00	O/R
G280275150GC	280.00	275.00	280.00	15.00	2.50	O/R
G280275250GC	280.00	275.00	280.00	25.00	2.50	O/R
G280275300GC	280.00	275.00	280.00	30.00	2.50	O/R
G283275560GC	283.00	275.00	283.00	56.00	4.00	O/R
G283275700GC	283.00	275.00	283.00	70.00	4.00	O/R
G285277600GC	285.00	277.00	285.00	60.00	4.00	O/R
G285280150GC	285.00	280.00	285.00	15.00	2.50	O/R
G285280250GC	285.00	280.00	285.00	25.00	2.50	O/R
G286280195GC	286.00	280.00	286.00	19.50	3.00	O/R

Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G288280250GC	288.00	280.00	288.00	25.00	4.00	O/R
G288280300GC	288.00	280.00	288.00	30.00	4.00	O/R
G288280500GC	288.00	280.00	288.00	50.00	4.00	O/R
G288280800GC	288.00	280.00	288.00	80.00	4.00	O/R
G290282250GC	290.00	282.00	290.00	25.00	4.00	O/R
G290282600GC	290.00	282.00	290.00	60.00	4.00	O/R
G290282700GC	290.00	282.00	290.00	70.00	4.00	O/R
G290284150GC	290.00	284.00	290.00	15.00	3.00	O/R
G290285150GC	290.00	285.00	290.00	15.00	2.50	O/R
G290285250GC	290.00	285.00	290.00	25.00	2.50	O/R
G295290097GC	295.00	290.00	295.00	9.70	2.50	O/R
G295290150GC	295.00	290.00	295.00	15.00	2.50	O/R
G295290250GC	295.00	290.00	295.00	25.00	2.50	O/R
G297289700GC	297.00	289.00	297.00	70.00	4.00	O/R
G298290600GC	298.00	290.00	298.00	60.00	4.00	O/R
G300292200GC	300.00	292.00	300.00	20.00	4.00	O/R
G300292300GC	300.00	292.00	300.00	30.00	4.00	O/R
G300292350GC	300.00	292.00	300.00	35.00	4.00	O/R
G300292400GC	300.00	292.00	300.00	40.00	4.00	O/R
G300292600GC	300.00	292.00	300.00	60.00	4.00	O/R
G300292700GC	300.00	292.00	300.00	70.00	4.00	O/R
G300294190GC	300.00	294.00	300.00	19.00	3.00	O/R
G300295150GC	300.00	295.00	300.00	15.00	2.50	O/R
G300295160GC	300.00	295.00	300.00	16.00	2.50	O/R
G300295250GC	300.00	295.00	300.00	25.00	2.50	O/R
G300295345GC	300.00	295.00	300.00	34.50	2.50	O/R
G300295700GC	300.00	295.00	300.00	70.00	2.50	O/R
G305300250GC	305.00	300.00	305.00	25.00	2.50	O/R
G308300300GC	308.00	300.00	308.00	30.00	4.00	O/R
G308300400GC	308.00	300.00	308.00	40.00	4.00	O/R
G308300500GC	308.00	300.00	308.00	50.00	4.00	O/R
G308300800GC	308.00	300.00	308.00	80.00	4.00	O/R
G310302700GC	310.00	302.00	310.00	70.00	4.00	O/R
G310305250GC	310.00	305.00	310.00	25.00	2.50	O/R
G312304700GC	312.00	304.00	312.00	70.00	4.00	O/R
G315310250GC	315.00	310.00	315.00	25.00	2.50	O/R
G320312250GC	320.00	312.00	320.00	25.00	4.00	O/R
G320312400GC	320.00	312.00	320.00	40.00	4.00	O/R
G320312600GC	320.00	312.00	320.00	60.00	4.00	O/R
G320312700GC	320.00	312.00	320.00	70.00	4.00	O/R
G320312800GC	320.00	312.00	320.00	80.00	4.00	O/R
G320314700GC	320.00	314.00	320.00	70.00	3.00	O/R
G320315150GC	320.00	315.00	320.00	15.00	2.50	O/R
G320315160GC	320.00	315.00	320.00	16.00	2.50	O/R
G320315244GC	320.00	315.20	320.00	24.40	2.40	O/R
G320315250GC	320.00	315.00	320.00	25.00	2.50	O/R
G323315700GC	323.00	315.00	323.00	70.00	4.00	O/R
G325320150GC	325.00	320.00	325.00	15.00	2.50	O/R
G325320250GC	325.00	320.00	325.00	25.00	2.50	O/R
G328320250GC	328.00	320.00	328.00	25.00	4.00	O/R
G328320500GC	328.00	320.00	328.00	50.00	4.00	O/R
G328320700GC	328.00	320.00	328.00	70.00	4.00	O/R
G330320250GC-SC	330.00	320.00	330.00	25.00	5.00	O/R
G330320700GC	330.00	320.00	330.00	70.00	5.00	O/R
G330325250GC	330.00	325.00	330.00	25.00	2.50	O/R
G332324700GC	332.00	324.00	332.00	70.00	4.00	O/R
G335330250GC	335.00	330.00	335.00	25.00	2.50	O/R
G340332200GC	340.00	332.00	340.00	20.00	4.00	O/R
G340332700GC	340.00	332.00	340.00	70.00	4.00	O/R
G340335250GC	340.00	335.00	340.00	25.00	2.50	O/R
G345340250GC	345.00	340.00	345.00	25.00	2.50	O/R
G348340500GC	348.00	340.00	348.00	50.00	4.00	O/R
G348342150GC	348.00	342.00	348.00	15.00	3.00	O/R
G348342200GC	348.00	342.00	348.00	20.00	3.00	O/R
G3503401000GC	350.00	340.00	350.00	100.00	5.00	O/R
G350342700GC	350.00	342.00	350.00	70.00	4.00	O/R
G350345250GC	350.00	345.00	350.00	25.00	2.50	O/R
G355350250GC	355.00	350.00	355.00	25.00	2.50	O/R
G355350395GC	355.00	350.00	355.00	39.50	2.50	O/R
G358350450GC	358.00	350.00	358.00	45.00	4.00	O/R
G358350550GC	358.00	350.00	358.00	55.00	4.00	O/R
G360350350GC	360.00	350.00	360.00	35.00	5.00	O/R
G360350900GC	360.00	350.00	360.00	90.00	5.00	O/R
G360352250GC	360.00	352.00	360.00	25.00	4.00	O/R
G360352400GC	360.00	352.00	360.00	40.00	4.00	O/R
G360352500GC	360.00	352.00	360.00	50.00	4.00	O/R
G360352700GC	360.00	352.00	360.00	70.00	4.00	O/R
G360354500GC	360.00	354.00	360.00	50.00	3.00	O/R
G360355150GC	360.00	355.00	360.00	15.00	2.50	O/R
G360355250GC	360.00	355.00	360.00	25.00	2.50	O/R
G360355400GC	360.00	355.00	360.00	40.00	2.50	O/R
G365360150GC	365.00	360.00	365.00	15.00	2.50	O/R
G365360250GC	365.00	360.00	365.00	25.00	2.50	O/R
G368360250GC	368.00	360.00	368.00	25.00	4.00	O/R
G368360397GC	368.00	360.00	368.00	39.70	4.00	O/R
G368360400GC	368.00	360.00	368.00	40.00	4.00	O/R
G368360550GC	368.00	360.00	368.00	55.00	4.00	O/R
G370362400GC	370.00	362.00	370.00	40.00	4.00	O/R
G370365250GC	370.00	365.00	370.00	25.00	2.50	O/R
G375367700GC	375.00	367.00	375.00	70.00	4.00	O/R
G375370250GC	375.00	370.00	375.00	25.00	2.50	O/R
G376370300GC	376.00	370.00	376.00	30.00	3.00	O/R
G380372250GC	380.00	372.00	380.00	25.00	4.00	O/R
G380372500GC	380.00	372.00	380.00	50.00	4.00	O/R
G380372700GC	380.00	372.00	380.00	70.00	4.00	O/R
G380375250GC	380.00	375.00	380.00	25.00	2.50	O/R

GC SERIES - PHENOLIC

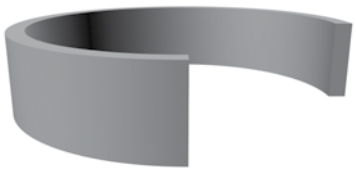
Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G385380250GC	385.00	380.00	385.00	25.00	2.50	O/R
G388380800GC	388.00	380.00	388.00	80.00	4.00	O/R
G390385250GC	390.00	385.00	390.00	25.00	2.50	O/R
G395390250GC	395.00	390.00	395.00	25.00	2.50	O/R
G400392250GC	400.00	392.00	400.00	25.00	4.00	O/R
G400392300GC	400.00	392.00	400.00	30.00	4.00	O/R
G400392400GC	400.00	392.00	400.00	40.00	4.00	O/R
G400392700GC	400.00	392.00	400.00	70.00	4.00	O/R
G400395150GC	400.00	395.00	400.00	15.00	2.50	O/R
G400395250GC	400.00	395.00	400.00	25.00	2.50	O/R
G405400250GC	405.00	400.00	405.00	25.00	2.50	O/R
G408400500GC	408.00	400.00	408.00	50.00	4.00	O/R
G410400300GC	410.00	400.00	410.00	30.00	5.00	O/R
G410404120GC	410.00	404.00	410.00	12.00	3.00	O/R
G410405250GC	410.00	405.00	410.00	25.00	2.50	O/R
G415410250GC	415.00	410.00	415.00	25.00	2.50	O/R
G420412450GC	420.00	412.00	420.00	45.00	4.00	O/R
G420415250GC	420.00	415.00	420.00	25.00	2.50	O/R
G425420250GC	425.00	420.00	425.00	25.00	2.50	O/R
G428420700GC	428.00	420.00	428.00	70.00	4.00	O/R
G430425250GC	430.00	425.00	430.00	25.00	2.50	O/R
G435430250GC	435.00	430.00	435.00	25.00	2.50	O/R
G440432400GC	440.00	432.00	440.00	40.00	4.00	O/R
G440435250GC	440.00	435.00	440.00	25.00	2.50	O/R
G445440250GC	445.00	440.00	445.00	25.00	2.50	O/R
G450442250GC	450.00	442.00	450.00	25.00	4.00	O/R
G450442300GC	450.00	442.00	450.00	30.00	4.00	O/R
G450445150GC	450.00	445.00	450.00	15.00	2.50	O/R
G450445250GC	450.00	445.00	450.00	25.00	2.50	O/R
G455450250GC	455.00	450.00	455.00	25.00	2.50	O/R
G460455250GC	460.00	455.00	460.00	25.00	2.50	O/R
G461456250GC	461.00	456.00	461.00	25.00	2.50	O/R
G465460250GC	465.00	460.00	465.00	25.00	2.50	O/R
G468460500GC	468.00	460.00	468.00	50.00	4.00	O/R
G470460650GC	470.00	460.00	470.00	65.00	5.00	O/R
G470460900GC	470.00	460.00	470.00	90.00	5.00	O/R
G470465250GC	470.00	465.00	470.00	25.00	2.50	O/R
G475470250GC	475.00	470.00	475.00	25.00	2.50	O/R
G480470300GC	480.00	470.00	480.00	30.00	5.00	O/R
G480475250GC	480.00	475.00	480.00	25.00	2.50	O/R
G485480250GC	485.00	480.00	485.00	25.00	2.50	O/R
G490482450GC	490.00	482.00	490.00	45.00	4.00	O/R
G490485150GC	490.00	485.00	490.00	15.00	2.50	O/R
G490485250GC	490.00	485.00	490.00	25.00	2.50	O/R
G495490250GC	495.00	490.00	495.00	25.00	2.50	O/R
G496490300GC	496.00	490.00	496.00	30.00	3.00	O/R
G500492250GC	500.00	492.00	500.00	25.00	4.00	O/R
G500492500GC	500.00	492.00	500.00	50.00	4.00	O/R

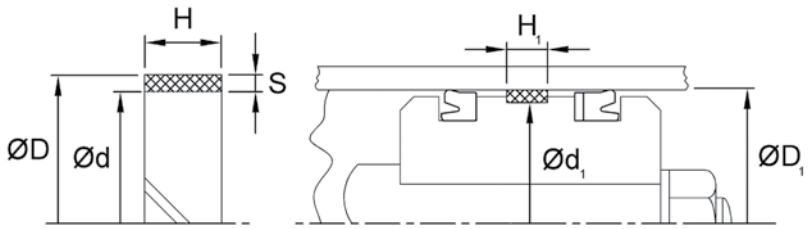
Ref.Number	Bore Dia	Rod Dia	Nominal Wear Ring Dimensions			$
			D	H	S	
G500495150GC	500.00	495.00	500.00	15.00	2.50	O/R
G500495250GC	500.00	495.00	500.00	25.00	2.50	O/R
G520510700GC	520.00	510.00	520.00	70.00	5.00	O/R
G520512400GC	520.00	512.00	520.00	40.00	4.00	O/R
G528520400GC	528.00	520.00	528.00	40.00	4.00	O/R
G530522700GC	530.00	522.00	530.00	70.00	4.00	O/R
G580570800GC	580.00	570.00	580.00	80.00	5.00	O/R
G600590350GC	600.00	590.00	600.00	35.00	5.00	O/R
G602592200GC	602.00	592.00	602.00	20.00	5.00	O/R
G602592800GC	602.00	592.00	602.00	80.00	5.00	O/R
G610600800GC	610.00	600.00	610.00	80.00	5.00	O/R
G650640300GC	650.00	640.00	650.00	30.00	5.00	O/R
G650640800GC	650.00	640.00	650.00	80.00	5.00	O/R
G650645150GC	650.00	645.00	650.00	15.00	2.50	O/R
G650645200GC	650.00	645.00	650.00	20.00	2.50	O/R
G660650750GC	660.00	650.00	660.00	75.00	5.00	O/R
G680670600GC	680.00	670.00	680.00	60.00	5.00	O/R
G680670800GC	680.00	670.00	680.00	80.00	5.00	O/R
G680675150GC	680.00	675.00	680.00	15.00	2.50	O/R
G680675200GC	680.00	675.00	680.00	20.00	2.50	O/R
G710700800GC	710.00	700.00	710.00	80.00	5.00	O/R
G740730800GC	740.00	730.00	740.00	80.00	5.00	O/R
G810800300GC	810.00	800.00	810.00	30.00	5.00	O/R
G830820800GC	830.00	820.00	830.00	80.00	5.00	O/R
G830820900GC	830.00	820.00	830.00	90.00	5.00	O/R
G860850850GC	860.00	850.00	860.00	85.00	5.00	O/R
G860855250GC	860.00	855.00	860.00	25.00	2.50	O/R

WR - Guiding Elements

Nylon

PISTON APPLICATION





Temperature: -40/250F [-40/121C] **Pressure: N/A**

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	H	S	D1	Tol.	d1	Tol.	H1	Tol.	
RCAT-7Y4652	55.00	+0.10 / -0.00	55.00			55.00	+0.10 / -0.00	65.00	+0.02 / - 0.02	7.90	+0.05 / -0.05	O/R
RCAT-1182727	70.00	+0.10 / -0.00	70.00			70.00	+0.10 / -0.00	75.00	+0.02 / - 0.02	1.40	+0.05 / -0.05	O/R
RCAT-1182717	70.00	+0.10 / -0.00	70.00			70.00	+0.10 / -0.00	75.00	+0.02 / - 0.02	14.80	+0.05 / -0.05	O/R
RCAT-1257007	80.00	+0.10 / -0.00	80.00			80.00	+0.10 / -0.00	85.00	+0.02 / - 0.02	9.50	+0.05 / -0.05	O/R
RCAT-1057252	80.00	+0.10 / -0.00	80.00			80.00	+0.10 / -0.00	71.98	+0.02 / - 0.02	6.15	+0.05 / -0.05	O/R
RCAT-0997002	80.00	+0.10 / -0.00	80.00			80.00	+0.10 / -0.00	73.98	+0.02 / - 0.02	30.10	+0.05 / -0.05	O/R
RCAT-1052630	90.00	+0.10 / -0.00	90.00			90.00	+0.10 / -0.00	81.98	+0.02 / - 0.02	6.15	+0.05 / -0.05	O/R
RCAT-0996976	90.00	+0.10 / -0.00	90.00			90.00	+0.10 / -0.00	83.98	+0.02 / - 0.02	30.10	+0.05 / -0.05	O/R
RCAT-0931628	100.00	+0.10 / -0.00	100.00			100.00	+0.10 / -0.00	91.93	+0.02 / - 0.02	6.25	+0.05 / -0.05	O/R
RCAT-0931605	100.00	+0.10 / -0.00	100.00			100.00	+0.10 / -0.00	93.87	+0.02 / - 0.02	30.30	+0.05 / -0.05	O/R
RCAT-1333096	100.76	+0.10 / -0.00	100.76			100.76	+0.10 / -0.00	91.93	+0.02 / - 0.02	6.25	+0.05 / -0.05	O/R
RCAT-1333097	100.76	+0.10 / -0.00	100.76			100.76	+0.10 / -0.00	93.87	+0.02 / - 0.02	30.30	+0.05 / -0.05	O/R
RCAT-0931629	110.00	+0.10 / -0.00	110.00			110.00	+0.10 / -0.00	101.98	+0.02 / - 0.02	6.25	+0.05 / -0.05	O/R
RCAT-0931603	110.00	+0.10 / -0.00	110.00			110.00	+0.10 / -0.00	103.87	+0.02 / - 0.02	30.30	+0.05 / -0.05	O/R
RCAT-1333100	110.76	+0.10 / -0.00	110.76			110.76	+0.10 / -0.00	101.98	+0.02 / - 0.02	6.25	+0.05 / -0.05	O/R
RCAT-1333101	110.76	+0.10 / -0.00	110.76			110.76	+0.10 / -0.00	103.87	+0.02 / - 0.02	30.30	+0.05 / -0.05	O/R
RCAT-0931630	120.00	+0.10 / -0.00	120.00			120.00	+0.10 / -0.00	111.93	+0.02 / - 0.02	6.25	+0.05 / -0.05	O/R
RCAT-0931604	120.00	+0.10 / -0.00	120.00			120.00	+0.10 / -0.00	113.87	+0.02 / - 0.02	30.30	+0.05 / -0.05	O/R
RCAT-0875505	120.00	+0.10 / -0.00	120.00			120.00	+0.10 / -0.00	113.87	+0.02 / - 0.02	35.30	+0.05 / -0.05	O/R
RCAT-1082888	120.76	+0.10 / -0.00	120.76			120.76	+0.10 / -0.00	111.93	+0.02 / - 0.02	6.25	+0.05 / -0.05	O/R
RCAT-1233153	120.76	+0.10 / -0.00	120.76			120.76	+0.10 / -0.00	113.87	+0.02 / - 0.02	30.30	+0.05 / -0.05	O/R
RCAT-1082885	120.76	+0.10 / -0.00	120.76			120.76	+0.10 / -0.00	113.87	+0.02 / - 0.02	35.30	+0.05 / -0.05	O/R
RCAT-7Y4632	130.00	+0.10 / -0.00	130.00			130.00	+0.10 / -0.00	121.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R
RCAT-1184019	130.00	+0.10 / -0.00	130.00			130.00	+0.10 / -0.00	122.87	+0.02 / - 0.02	40.30	+0.05 / -0.05	O/R
RCAT-1082890	130.76	+0.10 / -0.00	130.76			130.76	+0.10 / -0.00	121.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R
RCAT-1082884	130.76	+0.10 / -0.00	130.76			130.76	+0.10 / -0.00	122.87	+0.02 / - 0.02	40.30	+0.05 / -0.05	O/R
RCAT-0961800	140.00	+0.10 / -0.00	140.00			140.00	+0.10 / -0.00	131.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R
RCAT-1076264	140.00	+0.10 / -0.00	140.00			140.00	+0.10 / -0.00	131.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R
RCAT-0875429	140.00	+0.10 / -0.00	140.00			140.00	+0.10 / -0.00	132.87	+0.02 / - 0.02	45.30	+0.05 / -0.05	O/R
RCAT-1076263	140.00	+0.10 / -0.00	140.00			140.00	+0.10 / -0.00	134.87	+0.02 / - 0.02	9.70	+0.05 / -0.05	O/R
RCAT-1333104	140.76	+0.10 / -0.00	140.76			140.76	+0.10 / -0.00	131.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R
RCAT-1356988	140.76	+0.10 / -0.00	140.76			140.76	+0.10 / -0.00	132.87	+0.02 / - 0.02	45.30	+0.05 / -0.05	O/R
RCAT-1333105	140.76	+0.10 / -0.00	140.76			140.76	+0.10 / -0.00	134.87	+0.02 / - 0.02	9.70	+0.05 / -0.05	O/R
RCAT-0961581	150.00	+0.10 / -0.00	150.00			150.00	+0.10 / -0.00	141.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R
RCAT-7Y4697	150.00	+0.10 / -0.00	150.00			150.00	+0.10 / -0.00	142.87	+0.02 / - 0.02	45.30	+0.05 / -0.05	O/R
RCAT-1082889	150.76	+0.10 / -0.00	150.76			150.76	+0.10 / -0.00	141.93	+0.02 / - 0.02	8.25	+0.05 / -0.05	O/R

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

WR SERIES - CAT X-REF - NYLON

Ref.Number	Bore diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	H	S	D1	Tol.	d1	Tol.	H1	Tol.	
RCAT-1082886	150.76	+0.10 / -0.00	150.76			150.76	+0.10 / -0.00	142.87	+0.02 / - 0.02	45.30	+0.05 / -0.05	O/R
RCAT-0963201	160.00	+0.10 / -0.00	160.00			160.00	+0.10 / -0.00	151.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-0875539	160.00	+0.10 / -0.00	160.00			160.00	+0.10 / -0.00	152.87	+0.02 / - 0.02	45.30	+0.05 / -0.05	O/R
RCAT-1333108	160.76	+0.10 / -0.00	160.76			160.76	+0.10 / -0.00	151.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-1333109	160.76	+0.10 / -0.00	160.76			160.76	+0.10 / -0.00	152.87	+0.02 / - 0.02	45.30	+0.05 / -0.05	O/R
RCAT-1057262	170.00	+0.10 / -0.00	170.00			170.00	+0.10 / -0.00	161.87	+0.02 / - 0.02	50.30	+0.05 / -0.05	O/R
RCAT-0965609	170.00	+0.10 / -0.00	170.00			170.00	+0.10 / -0.00	161.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-1333113	170.76	+0.10 / -0.00	170.76			170.76	+0.10 / -0.00	161.87	+0.02 / - 0.02	50.30	+0.05 / -0.05	O/R
RCAT-1333112	170.76	+0.10 / -0.00	170.76			170.76	+0.10 / -0.00	161.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-1052653	180.00	+0.13 / -0.00	180.00			180.00	+0.13 / -0.00	171.86	+0.02 / - 0.02	55.30	+0.05 / -0.05	O/R
RCAT-0965167	180.00	+0.13 / -0.00	180.00			180.00	+0.13 / -0.00	171.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-1333117	180.76	+0.13 / -0.00	180.76			180.76	+0.13 / -0.00	171.86	+0.02 / - 0.02	55.30	+0.05 / -0.05	O/R
RCAT-1333116	180.76	+0.13 / -0.00	180.76			180.76	+0.13 / -0.00	171.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-0857248	200.00	+0.13 / -0.00	200.00			200.00	+0.13 / -0.00	191.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-9X3570	200.00	+0.13 / -0.00	200.00			200.00	+0.13 / -0.00	193.42	+0.02 / - 0.02	60.00	+0.05 / -0.05	O/R
RCAT-1334884	200.76	+0.13 / -0.00	200.76			200.76	+0.13 / -0.00	191.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-1334885	200.76	+0.13 / -0.00	200.76			200.76	+0.13 / -0.00	193.42	+0.02 / - 0.02	60.00	+0.05 / -0.05	O/R
RCAT-1251204	220.00	+0.13 / -0.00	220.00			220.00	+0.13 / -0.00	213.42	+0.02 / - 0.02	38.00	+0.05 / -0.05	O/R
RCAT-4I6443	220.00	+0.13 / -0.00	220.00			220.00	+0.13 / -0.00	211.93	+0.02 / - 0.02	9.25	+0.05 / -0.05	O/R
RCAT-6E0496	220.00	+0.13 / -0.00	220.00			220.00	+0.13 / -0.00	213.42	+0.02 / - 0.02	60.00	+0.05 / -0.05	O/R

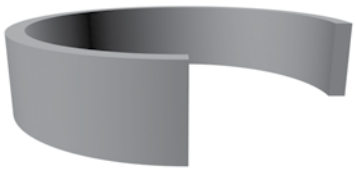
All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

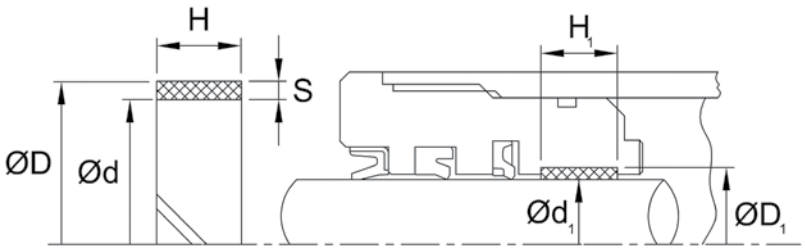


WR - Guiding Elements

Nylon

ROD APPLICATION



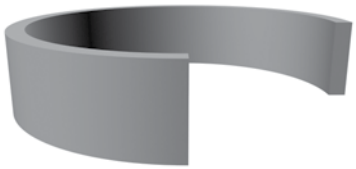


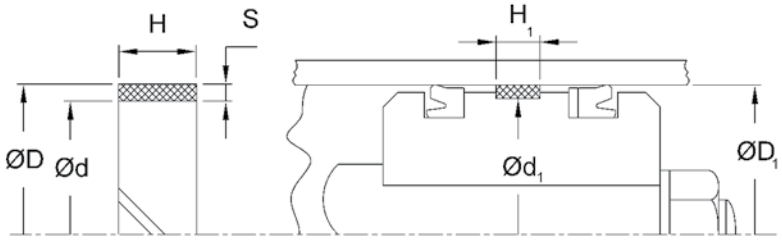
Temperature: -40/250F [-40/121C] **Pressure: N/A**

Ref.Number	Rod diameter		Nominal Seal Dimensions			Housing Dimensions						$
		Tol.	D	H	S	D1	Tol.	d1	Tol.	H1	Tol.	
RCAT-9X3571	140.00	+0.00 / -0.09	140.00			140.00	+0.00 / -0.09	145.08	+0.03 / -0.03	50.00	+0.08 / -0.08	O/R
RCAT-6E0499	150.00	+0.00 / -0.09	150.00			150.00	+0.00 / -0.09	150.63	+0.03 / -0.03	60.00	+0.08 / -0.08	O/R

WS-BR60 - Wear Strip

60% BR.PTFE





Temperature: -148/392F [-100/200C] **Pressure: 1400 PSI [96 Bar]**

Ref.Number	Nominal Seal Dimensions				$ Per foot	Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.			H	TOL.	S	TOL.	
WS0056015/BR60	5.60	+0.00 / -0.25	1.50	+0.00 / -0.13	11.45	WS0079015/BR60	7.90	+0.00 / -0.25	1.50	+0.00 / -0.13	12.60
WS0056020/BR60	5.60	+0.00 / -0.25	2.00	+0.00 / -0.13	14.20	WS0079020/BR60	7.90	+0.00 / -0.25	2.00	+0.00 / -0.13	15.20
WS0056025/BR60	5.60	+0.00 / -0.25	2.50	+0.00 / -0.13	17.80	WS0079025/BR60	7.90	+0.00 / -0.25	2.50	+0.00 / -0.13	19.00
WS0056030/BR60	5.60	+0.00 / -0.25	3.00	+0.00 / -0.13	21.60	WS0079030/BR60	7.90	+0.00 / -0.25	3.00	+0.00 / -0.13	23.15
WS0056035/BR60	5.60	+0.00 / -0.25	3.50	+0.00 / -0.13	31.30	WS0079035/BR60	7.90	+0.00 / -0.25	3.50	+0.00 / -0.13	33.30
WS0056040/BR60	5.60	+0.00 / -0.25	4.00	+0.00 / -0.13	35.80	WS0079040/BR60	7.90	+0.00 / -0.25	4.00	+0.00 / -0.13	37.45
WS0060015/BR60	6.00	+0.00 / -0.25	1.50	+0.00 / -0.13	12.10	WS0095015/BR60	9.50	+0.00 / -0.25	1.50	+0.00 / -0.13	13.15
WS0060020/BR60	6.00	+0.00 / -0.25	2.00	+0.00 / -0.13	14.70	WS0095020/BR60	9.50	+0.00 / -0.25	2.00	+0.00 / -0.13	15.45
WS0060025/BR60	6.00	+0.00 / -0.25	2.50	+0.00 / -0.13	18.35	WS0095025/BR60	9.50	+0.00 / -0.25	2.50	+0.00 / -0.13	20.60
WS0060030/BR60	6.00	+0.00 / -0.25	3.00	+0.00 / -0.13	22.10	WS0095030/BR60	9.50	+0.00 / -0.25	3.00	+0.00 / -0.13	24.15
WS0060035/BR60	6.00	+0.00 / -0.25	3.50	+0.00 / -0.13	32.20	WS0095035/BR60	9.50	+0.00 / -0.25	3.50	+0.00 / -0.13	34.85
WS0060040/BR60	6.00	+0.00 / -0.25	4.00	+0.00 / -0.13	36.40	WS0095040/BR60	9.50	+0.00 / -0.25	4.00	+0.00 / -0.13	41.60

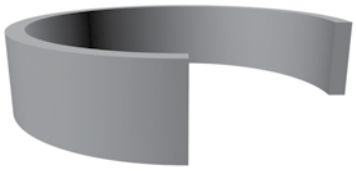
All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

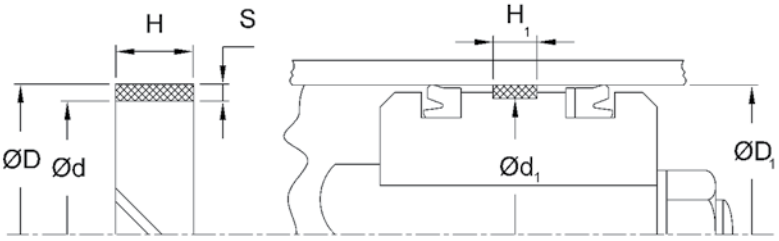
WS-BR60 SERIES - 60% BR.PTFE

Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.	
WS0097015/BR60	9.70	+0.00 / -0.25	1.50	+0.00 / -0.13	13.65
WS0097020/BR60	9.70	+0.00 / -0.25	2.00	+0.00 / -0.13	15.75
WS0097025/BR60	9.70	+0.00 / -0.25	2.50	+0.00 / -0.13	21.45
WS0097030/BR60	9.70	+0.00 / -0.25	3.00	+0.00 / -0.13	25.55
WS0097035/BR60	9.70	+0.00 / -0.25	3.50	+0.00 / -0.13	36.10
WS0097040/BR60	9.70	+0.00 / -0.25	4.00	+0.00 / -0.13	43.20
WS0118015/BR60	11.80	+0.00 / -0.25	1.50	+0.00 / -0.13	14.35
WS0118020/BR60	11.80	+0.00 / -0.25	2.00	+0.00 / -0.13	17.40
WS0118025/BR60	11.80	+0.00 / -0.25	2.50	+0.00 / -0.13	22.50
WS0118030/BR60	11.80	+0.00 / -0.25	3.00	+0.00 / -0.13	27.10
WS0118035/BR60	11.80	+0.00 / -0.25	3.50	+0.00 / -0.13	37.60
WS0118040/BR60	11.80	+0.00 / -0.25	4.00	+0.00 / -0.13	45.60
WS0130015/BR60	13.00	+0.00 / -0.25	1.50	+0.00 / -0.13	14.90
WS0130020/BR60	13.00	+0.00 / -0.25	2.00	+0.00 / -0.13	18.85
WS0130025/BR60	13.00	+0.00 / -0.25	2.50	+0.00 / -0.13	23.35
WS0130030/BR60	13.00	+0.00 / -0.25	3.00	+0.00 / -0.13	27.35
WS0130035/BR60	13.00	+0.00 / -0.25	3.50	+0.00 / -0.13	39.25
WS0130040/BR60	13.00	+0.00 / -0.25	4.00	+0.00 / -0.13	47.55
WS0140015/BR60	14.00	+0.00 / -0.25	1.50	+0.00 / -0.13	15.20
WS0140020/BR60	14.00	+0.00 / -0.25	2.00	+0.00 / -0.13	21.75
WS0140025/BR60	14.00	+0.00 / -0.25	2.50	+0.00 / -0.13	24.25
WS0140030/BR60	14.00	+0.00 / -0.25	3.00	+0.00 / -0.13	28.90
Increments of 1 ft					

Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.	
WS0140035/BR60	14.00	+0.00 / -0.25	3.50	+0.00 / -0.13	42.85
WS0140040/BR60	14.00	+0.00 / -0.25	4.00	+0.00 / -0.13	51.45
WS0150015/BR60	15.00	+0.00 / -0.25	1.50	+0.00 / -0.13	15.45
WS0150020/BR60	15.00	+0.00 / -0.25	2.00	+0.00 / -0.13	22.20
WS0150025/BR60	15.00	+0.00 / -0.25	2.50	+0.00 / -0.13	25.40
WS0150030/BR60	15.00	+0.00 / -0.25	3.00	+0.00 / -0.13	30.80
WS0150035/BR60	15.00	+0.00 / -0.25	3.50	+0.00 / -0.13	45.40
WS0150040/BR60	15.00	+0.00 / -0.25	4.00	+0.00 / -0.13	54.50
WS0200015/BR60	20.00	+0.00 / -0.25	1.50	+0.00 / -0.13	17.35
WS0200020/BR60	20.00	+0.00 / -0.25	2.00	+0.00 / -0.13	22.60
WS0200025/BR60	20.00	+0.00 / -0.25	2.50	+0.00 / -0.13	26.45
WS0200030/BR60	20.00	+0.00 / -0.25	3.00	+0.00 / -0.13	33.20
WS0200035/BR60	20.00	+0.00 / -0.25	3.50	+0.00 / -0.13	47.55
WS0200040/BR60	20.00	+0.00 / -0.25	4.00	+0.00 / -0.13	56.70
WS0250015/BR60	25.00	+0.00 / -0.25	1.50	+0.00 / -0.13	18.45
WS0250020/BR60	25.00	+0.00 / -0.25	2.00	+0.00 / -0.13	24.70
WS0250025/BR60	25.00	+0.00 / -0.25	2.50	+0.00 / -0.13	28.10
WS0250030/BR60	25.00	+0.00 / -0.25	3.00	+0.00 / -0.13	36.30
WS0250035/BR60	25.00	+0.00 / -0.25	3.50	+0.00 / -0.13	50.15
WS0250040/BR60	25.00	+0.00 / -0.25	4.00	+0.00 / -0.13	58.40
WS0300015/BR60	30.00	+0.00 / -0.25	1.50	+0.00 / -0.13	37.10
WS0500020/BR60	50.00	+0.00 / -0.25	2.00	+0.00 / -0.13	39.60
Increments of 1 ft					

WS-CG - Wear Strip
CARBON/GRAPHITE





Temperature: -148/392F [-100/200C] **Pressure: 1400 PSI [96 Bar]**

Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.	
WS0060040/CG	6.00	+0.00 / -0.25	4.00	+0.00 / -0.13	45.45
WS0080040/CG	8.00	+0.00 / -0.25	4.00	+0.00 / -0.13	46.80
WS0090040/CG	9.00	+0.00 / -0.25	4.00	+0.00 / -0.13	52.00
WS0095040/CG	9.50	+0.00 / -0.25	4.00	+0.00 / -0.13	52.00
WS0145040/CG	14.50	+0.00 / -0.25	4.00	+0.00 / -0.13	68.15
WS0150025/CG	15.00	+0.00 / -0.25	4.00	+0.00 / -0.13	68.15
Increments of 1 ft					

Ref.Number	Nominal Seal Dimensions				$ Per foot
	H	TOL.	S	TOL.	
WS0195040/CG	19.50	+0.00 / -0.25	4.00	+0.00 / -0.13	73.05
WS0250040/CG	25.00	+0.00 / -0.25	4.00	+0.00 / -0.13	77.15
Increments of 1 ft					

DU BEARING - UP TO 45MM

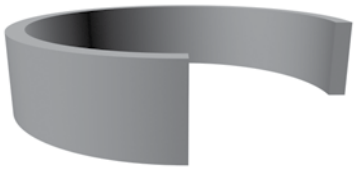
Nominal Bearing Bore	Recommended Shaft Dia.	Recommended Housing Bore	Installed Bearing ID*	Bearing Length and Part Number													
2	2.000 1.994	3.500 3.508	2.000 2.048	3	GMB 0203DU	5	GMB 0205DU										
3	3.000 2.994	4.500 4.508	3.000 3.048	3	GMB 0303DU	5	GMB 0305DU	6	GMB 0306DU								
4	4.000 3.992	5.500 5.508	4.000 4.048	3	GMB 0403DU	4	GMB 0404DU	6	GMB 0406DU	10	GMB 0410DU						
5	4.990 4.978	7.000 7.015	4.990 5.055	5	GMB 0505DU	8	GMB 0508DU	10	GMB 0510DU								
6	5.990 5.978	8.000 8.015	5.990 6.055	6	GMB 0606DU	8	GMB 0608DU	10	GMB 0610DU								
7	6.987 6.972	9.000 9.015	6.990 7.055	10	GMB 0710DU												
8	7.987 7.972	10.000 10.015	7.990 8.055	8	GMB 0808DU	10	GMB 0810DU	12	GMB 0812DU								
10	9.987 9.972	12.000 12.018	9.990 10.058	8	GMB 1008DU	10	GMB 1010DU	12	GMB 1012DU	15	GMB 1015DU	20	GMB 1020DU				
12	11.984 11.966	14.000 14.018	11.990 12.058	8	GMB 1208DU	10	GMB 1210DU	12	GMB 1212DU	15	GMB 1215DU	20	GMB 1220DU	25	GMB 1225DU		
13	12.984 12.966	15.000 15.018	12.990 13.058	10	GMB 1310DU	20	GMB 1320DU										
14	13.984 13.966	16.000 16.018	13.990 14.058	5	GMB 1405DU	10	GMB 1410DU	12	GMB 1412DU	15	GMB 1415DU	20	GMB 1402DU	25	GMB 1425DU		
15	14.984 14.966	17.000 17.018	14.990 15.058	10	GMB 1510DU	12	GMB 1512DU	15	GMB 1515DU	20	GMB 1520DU	25	GMB 1525DU				
16	15.984 15.966	18.000 18.018	15.990 16.058	10	GMB 1610DU	12	GMB 1612DU	15	GMB 1615DU	20	GMB 1620DU	25	GMB 1625DU				
17	16.984 16.966	19.000 19.021	16.990 17.061	20	GMB 1720DU												
18	17.984 17.966	20.000 20.021	17.990 18.061	15	GMB 1815DU	20	GMB 1820DU	25	GMB 1825DU								
20	19.980 19.959	23.000 23.021	19.990 20.062	10	GMB 2010DU	15	GMB 2015DU	20	GMB 2020DU	25	GMB 2025DU	30	GMB 2030DU				
22	21.980 21.959	25.000 25.021	21.990 22.071	15	GMB 2215DU	20	GMB 2220DU	25	GMB 2225DU	30	GMB 2230DU						
24	23.980 23.959	27.000 27.021	23.990 24.071	15	GMB 2415DU	20	GMB 2420DU	25	GMB 2425DU	30	GMB 2430DU						
25	24.980 24.959	28.000 28.021	24.990 25.071	15	GMB 2515DU	20	GMB 2520DU	25	GMB 2525DU	30	GMB 2530DU	50	GMB 2550DU				
28	27.980 27.959	32.000 32.025	27.990 28.085	15	GMB 2815DU	20	GMB 2820DU	25	GMB 2825DU	30	GMB 2830DU						
30	29.980 29.959	34.000 34.025	29.990 30.085	15	GMB 3015DU	20	GMB 3020DU	25	GMB 3025DU	30	GMB 3030DU	40	GMB 3040DU				
32	31.975 31.950	36.000 36.025	31.990 32.085	20	GMB 3220DU	30	GMB 3230DU	40	GMB 3240DU								
35	34.975 34.950	39.000 39.025	34.990 35.085	20	GMB 3520DU	30	GMB 3530DU	35	GMB 3535DU	40	GMB 3540DU	50	GMB 3550DU				
37	36.975 36.950	41.000 41.025	36.990 37.085	20	GMB 3720DU												
40	39.975 39.950	44.000 44.025	39.990 40.085	20	GMB 4020DU	30	GMB 4030DU	40	GMB 4040DU	50	GMB 4050DU						
45	44.975 44.950	50.000 50.025	44.990 45.105	20	GMB 4520DU	30	GMB 4530DU	40	GMB 4540DU	45	GMB 4545DU	50	GMB 4550DU				

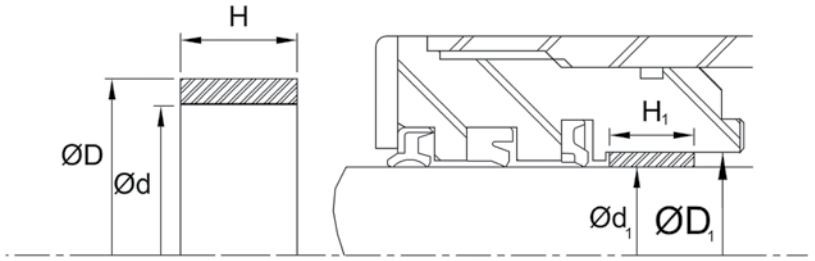
DU BEARING - OVER 45MM

Nominal Bearing Bore	Recommended Shaft Dia.	Recommended Housing Bore	Installed Bearing ID*	Bearing Length and Part Number									
50	49.975 49.950	55.000 55.030	49.990 50.110	20	GMB 5020DV	30	GMB 5030DV	40	GMB 5040DV	50	GMB 5050DV	60	GMB 5060DV
55	54.970 54.940	60.000 60.030	54.990 55.110	20	GMB 5520DV	30	GMB 5530DV	40	GMB 5540DV	55	GMB 5555DV	60	GMB 5560DV
60	59.970 59.940	65.000 65.030	59.990 60.110	20	GMB 6020DV	30	GMB 6030DV	40	GMB 6040DV	60	GMB 6060DV	70	GMB 6070DV
65	64.970 64.940	70.000 70.030	64.990 65.110	30	GMB 6530DV	50	GMB 6550DV	70	GMB 6570DV				
70	69.970 69.940	75.000 75.030	69.990 70.110	40	GMB 7040DV	50	GMB 7050DV	70	GMB 7070DV				
75	74.970 74.940	80.000 80.030	74.990 75.110	60	GMB 7560DV	80	GMB 7580DV						
80	80.000 79.954	85.000 85.035	80.010 80.145	60	GMB 8060DV	100	GMB 80100DV						
85	85.000 84.946	90.000 90.035	85.010 85.145	30	GMB 8530DV	60	GMB 8560DV	100	GMB 85100DV				
90	90.000 89.946	95.000 95.035	90.010 90.145	60	GMB 9060DV	100	GMB 90100DV						
95	95.000 94.946	100.000 100.035	95.010 95.145	60	GMB 9560DV	100	GMB 95100DV						
100	100.000 99.946	105.000 105.035	100.010 100.145	60	GMB 10060DV	115	GMB 100115DV						
105	105.000 104.946	110.000 110.035	105.010 105.145	60	GMB 10560DV	115	GMB 105115DV						
110	110.000 109.946	115.000 115.035	110.010 110.145	60	GMB 11060DV	115	GMB 110115DV						
115	115.000 114.946	120.000 120.035	115.010 115.145	50	GMB 11550DV	70	GMB 11570DV						
120	120.000 119.946	125.000 125.040	120.048 120.220	50	GMB 12050DV	60	GMB 12060DV	100	GMB 120100DV				
125	125.000 124.937	130.000 130.040	125.048 125.220	100	GMB 125100DV								
130	130.000 129.937	135.000 135.040	130.048 130.220	60	GMB 13060DV	100	GMB 130100DV						
135	135.000 134.937	140.000 140.040	135.048 135.220	60	GMB 13560DV	80	GMB 13580DV						
140	140.000 139.937	145.000 145.040	140.048 140.220	60	GMB 14060DV	100	GMB 140100DV						
150	150.000 149.937	155.000 155.040	150.048 150.220	60	GMB 15060DV	80	GMB 15080DV	100	GMB 150100DV				
160	160.000 159.937	165.000 165.040	160.048 160.220	80	GMB 16080DV	100	GMB 160100DV						
180	180.000 179.937	185.000 185.046	180.048 180.226	100	GMB 180100DV								
200	200.000 199.928	205.000 205.046	200.048 200.226	100	GMB 200100DV								
210	210.000 209.928	215.000 215.046	210.048 210.226	100	GMB 210100DV								
220	220.000 219.928	225.000 225.046	220.048 220.226	100	GMB 220100DV								
250	250.000 249.928	255.000 255.052	250.048 250.232	100	GMB 250100DV								
300	300.000 299.919	305.000 305.052	300.048 300.232	100	GMB 300100DV								

"DU" BEARING

BR.PTFE/STEEL





Temperature: -328/536F [-200/280C] **Pressure: 44000 PSI [3035 Bar]**

Ref.Number	Nominal Bearing Dimensions			$	Ref.Number	Nominal Bearing Dimensions			$
	d	D	H			d	D	H	
GMB003003DU	3.00	4.50	3.00	1.75	GMB011008DU	11.00	13.00	8.00	1.95
GMB003004DU	3.00	4.50	4.00	1.75	GMB011009DU	11.00	13.00	9.00	1.95
GMB003005DU	3.00	4.50	5.00	1.75	GMB011010DU	11.00	13.00	10.00	2.40
GMB004004DU	4.00	5.50	4.00	1.75	GMB011012DU	11.00	13.00	12.00	2.40
GMB004005DU	4.00	5.50	5.00	1.75	GMB012006DU	12.00	14.00	6.00	1.95
GMB004006DU	4.00	5.50	6.00	1.95	GMB012008DU	12.00	14.00	8.00	2.40
GMB005005DU	5.00	7.00	5.00	1.75	GMB012010DU	12.00	14.00	10.00	2.40
GMB005006DU	5.00	7.00	6.00	1.95	GMB012012DU	12.00	14.00	12.00	2.55
GMB005007DU	5.00	7.00	7.00	1.95	GMB012014DU	12.00	14.00	14.00	2.55
GMB005010DU	5.00	7.00	10.00	1.95	GMB012015DU	12.00	14.00	15.00	2.55
GMB006004DU	6.00	8.00	4.00	1.75	GMB012016DU	12.00	14.00	16.00	2.55
GMB006005DU	6.00	8.00	5.00	1.75	GMB012020DU	12.00	14.00	20.00	2.75
GMB006006DU	6.00	8.00	6.00	1.95	GMB012025DU	12.00	14.00	25.00	3.25
GMB006008DU	6.00	8.00	8.00	1.95	GMB013008DU	13.00	15.00	8.00	2.40
GMB006010DU	6.00	8.00	10.00	1.95	GMB013009DU	13.00	15.00	9.00	2.40
GMB007005DU	7.00	9.00	5.00	1.75	GMB013010DU	13.00	15.00	10.00	2.40
GMB007006DU	7.00	9.00	6.00	1.95	GMB014015DU	14.00	16.00	15.00	2.55
GMB007008DU	7.00	9.00	8.00	1.95	GMB014020DU	14.00	16.00	20.00	2.75
GMB007010DU	7.00	9.00	10.00	1.95	GMB014022DU	14.00	16.00	22.00	3.25
GMB007015DU	7.00	9.00	15.00	2.40	GMB014025DU	14.00	16.00	25.00	3.25
GMB008005DU	8.00	10.00	5.00	1.75	GMB015008DU	15.00	17.00	8.00	2.40
GMB008006DU	8.00	10.00	6.00	1.75	GMB015010DU	15.00	17.00	10.00	2.55
GMB008008DU	8.00	10.00	8.00	1.95	GMB015012DU	15.00	17.00	12.00	2.55
GMB008010DU	8.00	10.00	10.00	1.95	GMB015015DU	15.00	17.00	15.00	2.55
GMB008012DU	8.00	10.00	12.00	2.40	GMB015018DU	15.00	17.00	18.00	2.75
GMB008015DU	8.00	10.00	15.00	2.40	GMB015020DU	15.00	17.00	20.00	3.25
GMB008020DU	8.00	10.00	20.00	2.55	GMB015025DU	15.00	17.00	25.00	3.25
GMB009008DU	9.00	11.00	8.00	2.40	GMB016008DU	16.00	18.00	8.00	2.55
GMB009009DU	9.00	11.00	9.00	2.40	GMB016010DU	16.00	18.00	10.00	2.55
GMB009010DU	9.00	11.00	10.00	2.40	GMB016012DU	16.00	18.00	12.00	2.75
GMB010005DU	10.00	12.00	5.00	1.95	GMB016015DU	16.00	18.00	15.00	3.25
GMB010006DU	10.00	12.00	6.00	1.95	GMB016018DU	16.00	18.00	18.00	3.25
GMB010008DU	10.00	12.00	8.00	1.95	GMB016020DU	16.00	18.00	20.00	3.35
GMB010009DU	10.00	12.00	9.00	2.40	GMB016025DU	16.00	18.00	25.00	3.80
GMB010010DU	10.00	12.00	10.00	2.40	GMB017008DU	17.00	19.00	8.00	2.55
GMB010012DU	10.00	12.00	12.00	2.40	GMB017010DU	17.00	19.00	10.00	2.55
GMB010015DU	10.00	12.00	15.00	2.55	GMB017012DU	17.00	19.00	12.00	2.75
GMB010020DU	10.00	12.00	20.00	2.55	GMB017015DU	17.00	19.00	15.00	3.25

"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB017018DU	17.00	19.00	18.00	3.25
GMB017020DU	17.00	19.00	20.00	3.35
GMB017025DU	17.00	19.00	25.00	3.80
GMB018008DU	18.00	20.00	8.00	2.75
GMB018010DU	18.00	20.00	10.00	2.75
GMB018012DU	18.00	20.00	12.00	3.25
GMB018015DU	18.00	20.00	15.00	3.25
GMB018020DU	18.00	20.00	20.00	3.80
GMB018025DU	18.00	20.00	25.00	4.05
GMB018030DU	18.00	20.00	30.00	4.65
GMB020008DU	20.00	23.00	8.00	3.25
GMB020010DU	20.00	23.00	10.00	3.35
GMB020012DU	20.00	23.00	12.00	3.80
GMB020015DU	20.00	23.00	15.00	4.05
GMB020020DU	20.00	23.00	20.00	4.65
GMB020025DU	20.00	23.00	25.00	5.25
GMB020030DU	20.00	23.00	30.00	5.80
GMB020035DU	20.00	23.00	35.00	6.65
GMB020040DU	20.00	23.00	40.00	7.30
GMB022010DU	22.00	25.00	10.00	3.35
GMB022012DU	22.00	25.00	12.00	3.80
GMB022015DU	22.00	25.00	15.00	4.05
GMB022020DU	22.00	25.00	20.00	4.65
GMB022025DU	22.00	25.00	25.00	5.50
GMB022030DU	22.00	25.00	30.00	6.15
GMB022035DU	22.00	25.00	35.00	6.65
GMB022038DU	22.00	25.00	38.00	7.30
GMB022040DU	22.00	25.00	40.00	7.30
GMB022045DU	22.00	25.00	45.00	7.90
GMB022050DU	22.00	25.00	50.00	8.70
GMB024010DU	24.00	27.00	10.00	3.80
GMB024012DU	24.00	27.00	12.00	3.80
GMB024015DU	24.00	27.00	15.00	4.45
GMB024020DU	24.00	27.00	20.00	5.25
GMB024025DU	24.00	27.00	25.00	5.80
GMB024028DU	24.00	27.00	28.00	6.45
GMB024030DU	24.00	27.00	30.00	6.65
GMB024032DU	24.00	27.00	32.00	6.95
GMB024035DU	24.00	27.00	35.00	7.30
GMB024038DU	24.00	27.00	38.00	7.50
GMB024040DU	24.00	27.00	40.00	7.90
GMB024050DU	24.00	27.00	50.00	9.35
GMB025010DU	25.00	28.00	10.00	3.80
GMB025012DU	25.00	28.00	12.00	3.80
GMB025015DU	25.00	28.00	15.00	4.65
GMB025020DU	25.00	28.00	20.00	4.65
GMB025025DU	25.00	28.00	25.00	5.80
GMB025028DU	25.00	28.00	28.00	6.45

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB025030DU	25.00	28.00	30.00	6.65
GMB025032DU	25.00	28.00	32.00	6.95
GMB025035DU	25.00	28.00	35.00	7.30
GMB025040DU	25.00	28.00	40.00	8.10
GMB025050DU	25.00	28.00	50.00	9.50
GMB025060DU	25.00	28.00	60.00	11.45
GMB028010DU	28.00	32.00	10.00	4.65
GMB028012DU	28.00	32.00	12.00	5.25
GMB028015DU	28.00	32.00	15.00	5.50
GMB028020DU	28.00	32.00	20.00	6.65
GMB028025DU	28.00	32.00	25.00	7.30
GMB028030DU	28.00	32.00	30.00	8.60
GMB028032DU	28.00	32.00	32.00	8.70
GMB028035DU	28.00	32.00	35.00	9.35
GMB028040DU	28.00	32.00	40.00	10.20
GMB030010DU	30.00	34.00	10.00	4.65
GMB030012DU	30.00	34.00	12.00	5.25
GMB030015DU	30.00	34.00	15.00	5.80
GMB030020DU	30.00	34.00	20.00	6.95
GMB030025DU	30.00	34.00	25.00	7.90
GMB030028DU	30.00	34.00	28.00	8.70
GMB030030DU	30.00	34.00	30.00	8.95
GMB030032DU	30.00	34.00	32.00	9.35
GMB030035DU	30.00	34.00	35.00	10.00
GMB030038DU	30.00	34.00	38.00	10.65
GMB030040DU	30.00	34.00	40.00	11.00
GMB030045DU	30.00	34.00	45.00	12.05
GMB030050DU	30.00	34.00	50.00	13.10
GMB032010DU	32.00	36.00	10.00	5.25
GMB032012DU	32.00	36.00	12.00	5.25
GMB032015DU	32.00	36.00	15.00	6.15
GMB032018DU	32.00	36.00	18.00	6.65
GMB032020DU	32.00	36.00	20.00	7.30
GMB032025DU	32.00	36.00	25.00	8.10
GMB032030DU	32.00	36.00	30.00	9.35
GMB032035DU	32.00	36.00	35.00	10.20
GMB032040DU	32.00	36.00	40.00	11.45
GMB032045DU	32.00	36.00	45.00	12.20
GMB032050DU	32.00	36.00	50.00	13.50
GMB034010DU	34.00	38.00	10.00	5.25
GMB034012DU	34.00	38.00	12.00	5.50
GMB034015DU	34.00	38.00	15.00	6.45
GMB034020DU	34.00	38.00	20.00	7.30
GMB034025DU	34.00	38.00	25.00	8.70
GMB034030DU	34.00	38.00	30.00	9.50
GMB034035DU	34.00	38.00	35.00	10.75
GMB034040DU	34.00	38.00	40.00	12.05
GMB034045DU	34.00	38.00	45.00	13.10

"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB035010DU	35.00	39.00	10.00	5.25
GMB035012DU	35.00	39.00	12.00	5.50
GMB035015DU	35.00	39.00	15.00	6.45
GMB035020DU	35.00	39.00	20.00	7.50
GMB035025DU	35.00	39.00	25.00	8.70
GMB035030DU	35.00	39.00	30.00	10.00
GMB035035DU	35.00	39.00	35.00	11.45
GMB035040DU	35.00	39.00	40.00	12.85
GMB035045DU	35.00	39.00	45.00	14.05
GMB035050DU	35.00	39.00	50.00	15.15
GMB036010DU	36.00	40.00	10.00	5.25
GMB036012DU	36.00	40.00	12.00	5.80
GMB036015DU	36.00	40.00	15.00	6.45
GMB036020DU	36.00	40.00	20.00	7.50
GMB036025DU	36.00	40.00	25.00	8.95
GMB036030DU	36.00	40.00	30.00	10.20
GMB036035DU	36.00	40.00	35.00	11.45
GMB036040DU	36.00	40.00	40.00	12.85
GMB036045DU	36.00	40.00	45.00	14.05
GMB036050DU	36.00	40.00	50.00	15.15
GMB038012DU	38.00	42.00	12.00	6.15
GMB038015DU	38.00	42.00	15.00	7.30
GMB038020DU	38.00	42.00	20.00	8.60
GMB038025DU	38.00	42.00	25.00	9.50
GMB038030DU	38.00	42.00	30.00	10.75
GMB038035DU	38.00	42.00	35.00	12.05
GMB038040DU	38.00	42.00	40.00	18.40
GMB038045DU	38.00	42.00	45.00	14.70
GMB038050DU	38.00	42.00	50.00	16.10
GMB038055DU	38.00	42.00	55.00	17.20
GMB038060DU	38.00	42.00	60.00	18.40
GMB040012DU	40.00	44.00	12.00	6.45
GMB040015DU	40.00	44.00	15.00	7.30
GMB040020DU	40.00	44.00	20.00	8.70
GMB040025DU	40.00	44.00	25.00	10.00
GMB040030DU	40.00	44.00	30.00	11.45
GMB040035DU	40.00	44.00	35.00	12.85
GMB040040DU	40.00	44.00	40.00	14.05
GMB040045DU	40.00	44.00	45.00	15.50
GMB040050DU	40.00	44.00	50.00	16.95
GMB040055DU	40.00	44.00	55.00	18.15
GMB040060DU	40.00	44.00	60.00	19.70
GMB045015DU	45.00	50.00	15.00	8.70
GMB045020DU	45.00	50.00	20.00	10.00
GMB045025DU	45.00	50.00	25.00	11.45
GMB045030DU	45.00	50.00	30.00	12.85
GMB045035DU	45.00	50.00	35.00	14.35
GMB045040DU	45.00	50.00	40.00	16.10

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB045045DU	45.00	50.00	45.00	17.55
GMB045050DU	45.00	50.00	50.00	18.95
GMB045055DU	45.00	50.00	55.00	20.25
GMB045060DU	45.00	50.00	60.00	21.85
GMB050015DU	50.00	55.00	15.00	10.00
GMB050020DU	50.00	55.00	20.00	12.05
GMB050025DU	50.00	55.00	25.00	13.50
GMB050030DU	50.00	55.00	30.00	15.50
GMB050035DU	50.00	55.00	35.00	17.20
GMB050040DU	50.00	55.00	40.00	18.95
GMB050045DU	50.00	55.00	45.00	21.05
GMB050050DU	50.00	55.00	50.00	22.90
GMB050055DU	50.00	55.00	55.00	24.60
GMB050060DU	50.00	55.00	60.00	26.40
GMB050065DU	50.00	55.00	65.00	28.45
GMB050070DU	50.00	55.00	70.00	30.05
GMB055015DU	55.00	60.00	15.00	10.65
GMB055020DU	55.00	60.00	20.00	12.65
GMB055025DU	55.00	60.00	25.00	14.70
GMB055030DU	55.00	60.00	30.00	16.75
GMB055035DU	55.00	60.00	35.00	18.85
GMB055040DU	55.00	60.00	40.00	20.90
GMB055045DU	55.00	60.00	45.00	22.90
GMB055050DU	55.00	60.00	50.00	24.95
GMB055055DU	55.00	60.00	55.00	27.05
GMB055060DU	55.00	60.00	60.00	29.15
GMB055065DU	55.00	60.00	65.00	31.15
GMB055070DU	55.00	60.00	70.00	33.15
GMB060015DU	60.00	65.00	15.00	13.10
GMB060020DU	60.00	65.00	20.00	15.50
GMB060025DU	60.00	65.00	25.00	17.55
GMB060030DU	60.00	65.00	30.00	19.70
GMB060035DU	60.00	65.00	35.00	21.70
GMB060040DU	60.00	65.00	40.00	23.95
GMB060045DU	60.00	65.00	45.00	26.40
GMB060050DU	60.00	65.00	50.00	28.45
GMB060055DU	60.00	65.00	55.00	30.55
GMB060060DU	60.00	65.00	60.00	32.50
GMB060065DU	60.00	65.00	65.00	34.80
GMB060070DU	60.00	65.00	70.00	36.90
GMB060075DU	60.00	65.00	75.00	39.40
GMB060080DU	60.00	65.00	80.00	41.65
GMB060085DU	60.00	65.00	85.00	43.60
GMB060090DU	60.00	65.00	90.00	45.70
GMB065015DU	65.00	70.00	15.00	13.50
GMB065020DU	65.00	70.00	20.00	15.75
GMB065030DU	65.00	70.00	30.00	20.90
GMB065035DU	65.00	70.00	35.00	O/R

"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB065040DU	65.00	70.00	40.00	25.40
GMB065050DU	65.00	70.00	50.00	30.05
GMB065060DU	65.00	70.00	60.00	35.25
GMB065070DU	65.00	70.00	70.00	39.75
GMB065080DU	65.00	70.00	80.00	44.45
GMB065090DU	65.00	70.00	90.00	49.60
GMB070020DU	70.00	75.00	20.00	19.20
GMB070030DU	70.00	75.00	30.00	24.30
GMB070040DU	70.00	75.00	40.00	29.30
GMB070050DU	70.00	75.00	50.00	34.20
GMB070060DU	70.00	75.00	60.00	39.50
GMB070070DU	70.00	75.00	70.00	44.25
GMB070080DU	70.00	75.00	80.00	49.60
GMB070090DU	70.00	75.00	90.00	54.55
GMB075015DU	75.00	80.00	15.00	O/R
GMB075030DU	75.00	80.00	30.00	25.15
GMB075035DU	75.00	80.00	35.00	O/R
GMB075040DU	75.00	80.00	40.00	30.55
GMB075050DU	75.00	80.00	50.00	36.05
GMB075060DU	75.00	80.00	60.00	41.65
GMB075070DU	75.00	80.00	70.00	46.95
GMB075080DU	75.00	80.00	80.00	52.45
GMB075090DU	75.00	80.00	90.00	58.05
GMB080025DU	80.00	85.00	25.00	O/R
GMB080030DU	80.00	85.00	30.00	29.45
GMB080040DU	80.00	85.00	40.00	35.40
GMB080050DU	80.00	85.00	50.00	41.05
GMB080060DU	80.00	85.00	60.00	46.95
GMB080070DU	80.00	85.00	70.00	52.45
GMB080080DU	80.00	85.00	80.00	58.05
GMB080090DU	80.00	85.00	90.00	64.05
GMB080100DU	80.00	85.00	100.00	69.50
GMB085030DU	85.00	90.00	30.00	30.55
GMB085040DU	85.00	90.00	40.00	36.65
GMB085050DU	85.00	90.00	50.00	42.80
GMB085060DU	85.00	90.00	60.00	49.00
GMB085070DU	85.00	90.00	70.00	55.15
GMB085080DU	85.00	90.00	80.00	61.30
GMB085090DU	85.00	90.00	90.00	67.50
GMB085100DU	85.00	90.00	100.00	73.60
GMB090030DU	90.00	95.00	30.00	35.40
GMB090035DU	90.00	95.00	35.00	O/R
GMB090040DU	90.00	95.00	40.00	42.20
GMB090050DU	90.00	95.00	50.00	48.55
GMB090060DU	90.00	95.00	60.00	55.35
GMB090070DU	90.00	95.00	70.00	62.10
GMB090080DU	90.00	95.00	80.00	68.50
GMB090090DU	90.00	95.00	90.00	75.05

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB090100DU	90.00	95.00	100.00	81.90
GMB095030DU	95.00	100.00	30.00	37.35
GMB095035DU	95.00	100.00	35.00	O/R
GMB095040DU	95.00	100.00	40.00	43.60
GMB095045DU	95.00	100.00	45.00	O/R
GMB095050DU	95.00	100.00	50.00	50.50
GMB095060DU	95.00	100.00	60.00	57.15
GMB095070DU	95.00	100.00	70.00	63.60
GMB095080DU	95.00	100.00	80.00	70.30
GMB095090DU	95.00	100.00	90.00	77.20
GMB095100DU	95.00	100.00	100.00	83.45
GMB100030DU	100.00	105.00	30.00	44.25
GMB100035DU	100.00	105.00	35.00	O/R
GMB100040DU	100.00	105.00	40.00	51.30
GMB100045DU	100.00	105.00	45.00	O/R
GMB100050DU	100.00	105.00	50.00	58.70
GMB100060DU	100.00	105.00	60.00	65.45
GMB100070DU	100.00	105.00	70.00	72.65
GMB100080DU	100.00	105.00	80.00	79.75
GMB100090DU	100.00	105.00	90.00	86.80
GMB100100DU	100.00	105.00	100.00	93.75
GMB100115DU	100.00	105.00	115.00	104.50
GMB105030DU	105.00	110.00	30.00	O/R
GMB105035DU	105.00	110.00	35.00	O/R
GMB105040DU	105.00	110.00	40.00	O/R
GMB105045DU	105.00	110.00	45.00	O/R
GMB105050DU	105.00	110.00	50.00	60.10
GMB105060DU	105.00	110.00	60.00	67.50
GMB105070DU	105.00	110.00	70.00	75.05
GMB105080DU	105.00	110.00	80.00	82.65
GMB105090DU	105.00	110.00	90.00	90.05
GMB105100DU	105.00	110.00	100.00	97.65
GMB105115DU	105.00	110.00	115.00	109.25
GMB110035DU	110.00	115.00	35.00	O/R
GMB110040DU	110.00	115.00	40.00	O/R
GMB110045DU	110.00	115.00	45.00	O/R
GMB110050DU	110.00	115.00	50.00	69.50
GMB110055DU	110.00	115.00	55.00	O/R
GMB110060DU	110.00	115.00	60.00	77.20
GMB110070DU	110.00	115.00	70.00	84.70
GMB110080DU	110.00	115.00	80.00	92.30
GMB110090DU	110.00	115.00	90.00	100.30
GMB110100DU	110.00	115.00	100.00	107.95
GMB110115DU	110.00	115.00	115.00	119.60
GMB115035DU	115.00	120.00	35.00	O/R
GMB115040DU	115.00	120.00	40.00	O/R
GMB115045DU	115.00	120.00	45.00	O/R
GMB115050DU	115.00	120.00	50.00	70.15

"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB115060DU	115.00	120.00	60.00	79.15
GMB115070DU	115.00	120.00	70.00	88.30
GMB115080DU	115.00	120.00	80.00	95.20
GMB115090DU	115.00	120.00	90.00	103.20
GMB115100DU	115.00	120.00	100.00	111.25
GMB115115DU	115.00	120.00	115.00	123.20
GMB120035DU	120.00	125.00	35.00	O/R
GMB120040DU	120.00	125.00	40.00	O/R
GMB120050DU	120.00	125.00	50.00	79.15
GMB120060DU	120.00	125.00	60.00	87.45
GMB120070DU	120.00	125.00	70.00	95.80
GMB120080DU	120.00	125.00	80.00	104.50
GMB120090DU	120.00	125.00	90.00	112.90
GMB120100DU	120.00	125.00	100.00	121.55
GMB120120DU	120.00	125.00	120.00	138.10
GMB125040DU	125.00	130.00	40.00	O/R
GMB125050DU	125.00	130.00	50.00	81.25
GMB125060DU	125.00	130.00	60.00	87.95
GMB125080DU	125.00	130.00	80.00	107.30
GMB125090DU	125.00	130.00	90.00	116.75
GMB125100DU	125.00	130.00	100.00	126.40
GMB125115DU	125.00	130.00	115.00	140.85
GMB128070DU	128.00	133.00	70.00	97.65
GMB130035DU	130.00	135.00	35.00	O/R
GMB130050DU	130.00	135.00	50.00	O/R
GMB130060DU	130.00	135.00	60.00	100.30
GMB130065DU	130.00	135.00	65.00	O/R
GMB130070DU	130.00	135.00	70.00	109.35
GMB130080DU	130.00	135.00	80.00	118.80
GMB130090DU	130.00	135.00	90.00	127.80
GMB130100DU	130.00	135.00	100.00	136.85
GMB130120DU	130.00	135.00	120.00	146.30
GMB135060DU	135.00	140.00	60.00	102.60
GMB135070DU	135.00	140.00	70.00	112.10
GMB135080DU	135.00	140.00	80.00	121.55
GMB135090DU	135.00	140.00	90.00	130.70
GMB135100DU	135.00	140.00	100.00	140.15
GMB135120DU	135.00	140.00	120.00	158.90
GMB140040DU	140.00	145.00	40.00	O/R
GMB140055DU	140.00	145.00	45.00	O/R
GMB140060DU	140.00	145.00	60.00	114.35
GMB140070DU	140.00	145.00	70.00	124.45
GMB140080DU	140.00	145.00	80.00	134.05
GMB140090DU	140.00	145.00	90.00	144.10
GMB140100DU	140.00	145.00	100.00	153.70
GMB145060DU	145.00	150.00	60.00	116.15
GMB145070DU	145.00	150.00	70.00	126.40
GMB145080DU	145.00	150.00	80.00	136.70
GMB145090DU	145.00	150.00	90.00	147.10
GMB145100DU	145.00	150.00	100.00	157.40
GMB145120DU	145.00	150.00	120.00	167.70
GMB150040DU	150.00	155.00	40.00	O/R
GMB150060DU	150.00	155.00	60.00	128.50
GMB150070DU	150.00	155.00	70.00	139.40
GMB150080DU	150.00	155.00	80.00	149.65
GMB150090DU	150.00	155.00	90.00	160.15
GMB150100DU	150.00	155.00	100.00	170.75
GMB155050DU	155.00	160.00	50.00	119.05
GMB155060DU	155.00	160.00	60.00	130.10
GMB155070DU	155.00	160.00	70.00	141.05
GMB155080DU	155.00	160.00	80.00	152.30
GMB155090DU	155.00	160.00	90.00	163.05
GMB155100DU	155.00	160.00	100.00	173.80
GMB160040DU	160.00	165.00	40.00	O/R
GMB160060DU	160.00	165.00	60.00	135.25
GMB160070DU	160.00	165.00	70.00	153.70
GMB160080DU	160.00	165.00	80.00	165.10
GMB160090DU	160.00	165.00	90.00	176.35
GMB160100DU	160.00	165.00	100.00	187.45
GMB160110DU	160.00	165.00	110.00	198.90
GMB160120DU	160.00	165.00	120.00	209.95
GMB160130DU	160.00	165.00	130.00	221.05
GMB160140DU	160.00	165.00	140.00	232.45
GMB160150DU	160.00	165.00	150.00	243.55
GMB165060DU	165.00	170.00	60.00	145.15
GMB165070DU	165.00	170.00	70.00	156.55
GMB165080DU	165.00	170.00	80.00	168.15
GMB165090DU	165.00	170.00	90.00	179.45
GMB165100DU	165.00	170.00	100.00	190.95
GMB165110DU	165.00	170.00	110.00	202.45
GMB165120DU	165.00	170.00	120.00	213.95
GMB165130DU	165.00	170.00	130.00	225.15
GMB165140DU	165.00	170.00	140.00	236.65
GMB165150DU	165.00	170.00	150.00	248.20
GMB170035DU	170.00	175.00	35.00	O/R
GMB170060DU	170.00	175.00	60.00	156.55
GMB170070DU	170.00	175.00	70.00	168.80
GMB170080DU	170.00	175.00	80.00	180.40
GMB170090DU	170.00	175.00	90.00	192.30
GMB170100DU	170.00	175.00	100.00	204.50
GMB170110DU	170.00	175.00	110.00	216.20
GMB170120DU	170.00	175.00	120.00	228.30
GMB170130DU	170.00	175.00	130.00	240.00
GMB170140DU	170.00	175.00	140.00	251.90
GMB170150DU	170.00	175.00	150.00	263.65
GMB175060DU	175.00	180.00	60.00	159.35

"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB175070DU	175.00	180.00	70.00	171.60
GMB175080DU	175.00	180.00	80.00	183.25
GMB175090DU	175.00	180.00	90.00	195.60
GMB175100DU	175.00	180.00	100.00	208.00
GMB175110DU	175.00	180.00	110.00	220.10
GMB175120DU	175.00	180.00	120.00	232.05
GMB175130DU	175.00	180.00	130.00	244.10
GMB175140DU	175.00	180.00	140.00	256.40
GMB175150DU	175.00	180.00	150.00	268.30
GMB180060DU	180.00	185.00	60.00	171.80
GMB180070DU	180.00	185.00	70.00	183.25
GMB180080DU	180.00	185.00	80.00	195.90
GMB180090DU	180.00	185.00	90.00	208.60
GMB180100DU	180.00	185.00	100.00	221.05
GMB180110DU	180.00	185.00	110.00	233.85
GMB180120DU	180.00	185.00	120.00	246.10
GMB180130DU	180.00	185.00	130.00	259.15
GMB180140DU	180.00	185.00	140.00	271.65
GMB180150DU	180.00	185.00	150.00	283.90
GMB185060DU	185.00	190.00	60.00	173.30
GMB185070DU	185.00	190.00	70.00	186.05
GMB185080DU	185.00	190.00	80.00	198.90
GMB185090DU	185.00	190.00	90.00	211.90
GMB185100DU	185.00	190.00	100.00	224.60
GMB185110DU	185.00	190.00	110.00	237.35
GMB185120DU	185.00	190.00	120.00	250.30
GMB185130DU	185.00	190.00	130.00	263.20
GMB185140DU	185.00	190.00	140.00	275.70
GMB185150DU	185.00	190.00	150.00	288.70
GMB190060DU	190.00	195.00	60.00	185.20
GMB190070DU	190.00	195.00	70.00	198.35
GMB190080DU	190.00	195.00	80.00	211.45
GMB190090DU	190.00	195.00	90.00	225.05
GMB190100DU	190.00	195.00	100.00	237.90
GMB190110DU	190.00	195.00	110.00	251.30
GMB190120DU	190.00	195.00	120.00	264.60
GMB190130DU	190.00	195.00	130.00	277.75
GMB190140DU	190.00	195.00	140.00	290.95
GMB190150DU	190.00	195.00	150.00	304.50
GMB195060DU	195.00	200.00	60.00	187.45
GMB195070DU	195.00	200.00	70.00	200.95
GMB195080DU	195.00	200.00	80.00	214.40
GMB195090DU	195.00	200.00	90.00	227.95
GMB195100DU	195.00	200.00	100.00	241.50
GMB195110DU	195.00	200.00	110.00	255.05
GMB195120DU	195.00	200.00	120.00	268.30
GMB195130DU	195.00	200.00	130.00	281.95
GMB195140DU	195.00	200.00	140.00	295.50

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB195150DU	195.00	200.00	150.00	308.85
GMB200060DU	200.00	205.00	60.00	198.90
GMB200070DU	200.00	205.00	70.00	212.85
GMB200080DU	200.00	205.00	80.00	227.05
GMB200090DU	200.00	205.00	90.00	240.80
GMB200100DU	200.00	205.00	100.00	255.05
GMB200110DU	200.00	205.00	110.00	268.80
GMB200120DU	200.00	205.00	120.00	282.75
GMB200130DU	200.00	205.00	130.00	296.95
GMB200140DU	200.00	205.00	140.00	310.60
GMB200150DU	200.00	205.00	150.00	324.45
GMB205060DU	205.00	210.00	60.00	201.75
GMB205070DU	205.00	210.00	70.00	215.60
GMB205080DU	205.00	210.00	80.00	229.90
GMB205090DU	205.00	210.00	90.00	244.10
GMB205100DU	205.00	210.00	100.00	258.50
GMB205110DU	205.00	210.00	110.00	272.50
GMB205120DU	205.00	210.00	120.00	286.70
GMB205130DU	205.00	210.00	130.00	301.00
GMB205140DU	205.00	210.00	140.00	314.95
GMB205150DU	205.00	210.00	150.00	329.10
GMB210011DU	210.00	215.00	11.00	271.65
GMB210060DU	210.00	215.00	60.00	213.35
GMB210070DU	210.00	215.00	70.00	227.65
GMB210080DU	210.00	215.00	80.00	242.30
GMB210090DU	210.00	215.00	90.00	257.20
GMB210110DU	210.00	215.00	110.00	286.20
GMB210120DU	210.00	215.00	120.00	301.00
GMB210130DU	210.00	215.00	130.00	315.55
GMB210140DU	210.00	215.00	140.00	330.35
GMB210150DU	210.00	215.00	150.00	344.75
GMB215060DU	215.00	220.00	60.00	215.60
GMB215070DU	215.00	220.00	70.00	230.50
GMB215080DU	215.00	220.00	80.00	245.55
GMB215090DU	215.00	220.00	90.00	260.10
GMB215100DU	215.00	220.00	100.00	274.85
GMB215110DU	215.00	220.00	110.00	290.15
GMB215120DU	215.00	220.00	120.00	304.70
GMB215130DU	215.00	220.00	130.00	319.45
GMB215140DU	215.00	220.00	140.00	334.50
GMB215150DU	215.00	220.00	150.00	349.50
GMB220060DU	220.00	225.00	60.00	227.30
GMB220070DU	220.00	225.00	70.00	242.75
GMB220080DU	220.00	225.00	80.00	257.85
GMB220090DU	220.00	225.00	90.00	273.10
GMB220100DU	220.00	225.00	100.00	288.70
GMB220110DU	220.00	225.00	110.00	303.85
GMB220120DU	220.00	225.00	120.00	319.15

"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB220130DU	220.00	225.00	130.00	334.50
GMB220140DU	220.00	225.00	140.00	349.65
GMB220150DU	220.00	225.00	150.00	365.25
GMB225060DU	225.00	230.00	60.00	229.75
GMB225070DU	225.00	230.00	70.00	245.20
GMB225080DU	225.00	230.00	80.00	260.80
GMB225090DU	225.00	230.00	90.00	276.40
GMB225100DU	225.00	230.00	100.00	292.10
GMB225110DU	225.00	230.00	110.00	307.40
GMB225120DU	225.00	230.00	120.00	323.00
GMB225130DU	225.00	230.00	130.00	338.55
GMB225140DU	225.00	230.00	140.00	354.05
GMB230060DU	230.00	235.00	60.00	241.50
GMB230070DU	230.00	235.00	70.00	257.20
GMB230080DU	230.00	235.00	80.00	273.55
GMB230090DU	230.00	235.00	90.00	289.30
GMB230100DU	230.00	235.00	100.00	305.25
GMB230110DU	230.00	235.00	110.00	321.60
GMB230120DU	230.00	235.00	120.00	337.40
GMB230130DU	230.00	235.00	130.00	353.60
GMB230140DU	230.00	235.00	140.00	369.40
GMB230150DU	230.00	235.00	150.00	385.45
GMB235060DU	235.00	240.00	60.00	243.65
GMB235070DU	235.00	240.00	70.00	260.00
GMB235080DU	235.00	240.00	80.00	276.40
GMB235090DU	235.00	240.00	90.00	292.45
GMB235100DU	235.00	240.00	100.00	308.60
GMB235110DU	235.00	240.00	110.00	325.05
GMB235120DU	235.00	240.00	120.00	341.50
GMB235130DU	235.00	240.00	130.00	357.70
GMB235140DU	235.00	240.00	140.00	373.75
GMB235150DU	235.00	240.00	150.00	389.95
GMB240060DU	240.00	245.00	60.00	255.45
GMB240070DU	240.00	245.00	70.00	272.30
GMB240080DU	240.00	245.00	80.00	288.70
GMB240090DU	240.00	245.00	90.00	305.75
GMB240100DU	240.00	245.00	100.00	322.20
GMB240110DU	240.00	245.00	110.00	338.85
GMB240120DU	240.00	245.00	120.00	355.65
GMB240130DU	240.00	245.00	130.00	372.30
GMB240140DU	240.00	245.00	140.00	388.95
GMB240150DU	240.00	245.00	150.00	405.80
GMB245060DU	245.00	250.00	60.00	257.85
GMB245070DU	245.00	250.00	70.00	274.85
GMB245080DU	245.00	250.00	80.00	291.95
GMB245090DU	245.00	250.00	90.00	308.60
GMB245100DU	245.00	250.00	100.00	325.70
GMB245110DU	245.00	250.00	110.00	342.70

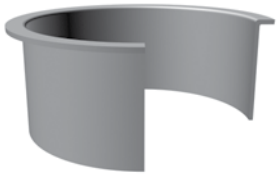
Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB245120DU	245.00	250.00	120.00	359.40
GMB245130DU	245.00	250.00	130.00	376.35
GMB245140DU	245.00	250.00	140.00	393.05
GMB245150DU	245.00	250.00	150.00	410.10
GMB250060DU	250.00	255.00	60.00	270.40
GMB250070DU	250.00	255.00	70.00	287.90
GMB250080DU	250.00	255.00	80.00	304.70
GMB250090DU	250.00	255.00	90.00	322.20
GMB250100DU	250.00	255.00	100.00	339.25
GMB250110DU	250.00	255.00	110.00	356.10
GMB250120DU	250.00	255.00	120.00	373.45
GMB250130DU	250.00	255.00	130.00	390.60
GMB250140DU	250.00	255.00	140.00	407.85
GMB250150DU	250.00	255.00	150.00	424.85
GMB255060DU	255.00	260.00	60.00	272.30
GMB255070DU	255.00	260.00	70.00	289.55
GMB255080DU	255.00	260.00	80.00	307.20
GMB255090DU	255.00	260.00	90.00	325.05
GMB255100DU	255.00	260.00	100.00	342.25
GMB255110DU	255.00	260.00	110.00	359.90
GMB255120DU	255.00	260.00	120.00	377.65
GMB255130DU	255.00	260.00	130.00	395.55
GMB255140DU	255.00	260.00	140.00	412.75
GMB255150DU	255.00	260.00	150.00	430.40
GMB260060DU	260.00	265.00	60.00	283.80
GMB260070DU	260.00	265.00	70.00	301.55
GMB260080DU	260.00	265.00	80.00	319.70
GMB260090DU	260.00	265.00	90.00	337.95
GMB260100DU	260.00	265.00	100.00	355.85
GMB260110DU	260.00	265.00	110.00	374.10
GMB260120DU	260.00	265.00	120.00	391.95
GMB260130DU	260.00	265.00	130.00	410.10
GMB260140DU	260.00	265.00	140.00	428.40
GMB260150DU	260.00	265.00	150.00	446.25
GMB265060DU	265.00	270.00	60.00	286.05
GMB265070DU	265.00	270.00	70.00	304.50
GMB265080DU	265.00	270.00	80.00	322.80
GMB265090DU	265.00	270.00	90.00	340.90
GMB265100DU	265.00	270.00	100.00	359.15
GMB265110DU	265.00	270.00	110.00	377.65
GMB265120DU	265.00	270.00	120.00	396.10
GMB265130DU	265.00	270.00	130.00	414.10
GMB265140DU	265.00	270.00	140.00	432.50
GMB265150DU	265.00	270.00	150.00	451.00
GMB270060DU	270.00	275.00	60.00	298.50
GMB270070DU	270.00	275.00	70.00	317.00
GMB270080DU	270.00	275.00	80.00	335.95
GMB270090DU	270.00	275.00	90.00	354.45

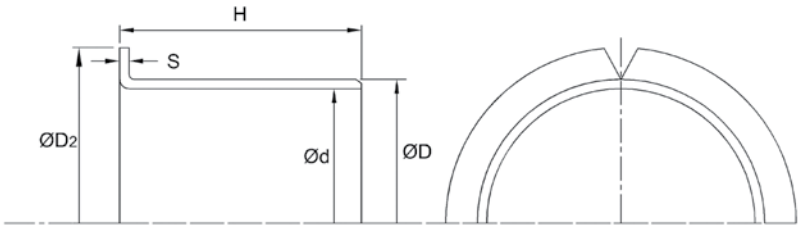
"DU" BEARING - BR.PTFE/STEEL

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
GMB270100DU	270.00	275.00	100.00	372.95
GMB270110DU	270.00	275.00	110.00	391.40
GMB270120DU	270.00	275.00	120.00	409.90
GMB270130DU	270.00	275.00	130.00	428.40
GMB270140DU	270.00	275.00	140.00	446.90
GMB270150DU	270.00	275.00	150.00	465.35
GMB275060DU	275.00	280.00	60.00	300.40
GMB275070DU	275.00	280.00	70.00	319.15
GMB275080DU	275.00	280.00	80.00	338.20
GMB275090DU	275.00	280.00	90.00	357.10
GMB275100DU	275.00	280.00	100.00	376.35
GMB275110DU	275.00	280.00	110.00	395.10
GMB275120DU	275.00	280.00	120.00	414.00
GMB275130DU	275.00	280.00	130.00	433.00
GMB275140DU	275.00	280.00	140.00	452.20
GMB275150DU	275.00	280.00	150.00	471.10
GMB280060DU	280.00	285.00	60.00	311.85
GMB280070DU	280.00	285.00	70.00	331.15
GMB280080DU	280.00	285.00	80.00	350.95
GMB280090DU	280.00	285.00	90.00	370.20
GMB280100DU	280.00	285.00	100.00	389.55
GMB280110DU	280.00	285.00	110.00	409.15
GMB280120DU	280.00	285.00	120.00	428.40
GMB280130DU	280.00	285.00	130.00	448.05
GMB280140DU	280.00	285.00	140.00	467.35
GMB280150DU	280.00	285.00	150.00	486.70
GMB285060DU	285.00	290.00	60.00	314.60
GMB285070DU	285.00	290.00	70.00	333.90
GMB285080DU	285.00	290.00	80.00	353.80
GMB285090DU	285.00	290.00	90.00	373.45
GMB285100DU	285.00	290.00	100.00	392.80
GMB285110DU	285.00	290.00	110.00	412.50
GMB285120DU	285.00	290.00	120.00	432.50
GMB285130DU	285.00	290.00	130.00	452.20
GMB285140DU	285.00	290.00	140.00	471.50
GMB285150DU	285.00	290.00	150.00	491.40
GMB290060DU	290.00	295.00	60.00	327.10
GMB290070DU	290.00	295.00	70.00	346.75
GMB290080DU	290.00	295.00	80.00	366.70
GMB290090DU	290.00	295.00	90.00	386.65
GMB290100DU	290.00	295.00	100.00	406.35
GMB290110DU	290.00	295.00	110.00	426.30
GMB290120DU	290.00	295.00	120.00	446.25
GMB290130DU	290.00	295.00	130.00	466.15
GMB290140DU	290.00	295.00	140.00	485.85
GMB290150DU	290.00	295.00	150.00	505.70
GMB295060DU	295.00	300.00	60.00	328.25
GMB295070DU	295.00	300.00	70.00	348.80
GMB295080DU	295.00	300.00	80.00	368.95
GMB295090DU	295.00	300.00	90.00	389.35
GMB295100DU	295.00	300.00	100.00	409.90
GMB295110DU	295.00	300.00	110.00	430.00
GMB295120DU	295.00	300.00	120.00	450.55
GMB295130DU	295.00	300.00	130.00	470.85
GMB295140DU	295.00	300.00	140.00	491.40
GMB295150DU	295.00	300.00	150.00	511.70
GMB300060DU	300.00	305.00	60.00	340.05
GMB300070DU	300.00	305.00	70.00	360.70
GMB300080DU	300.00	305.00	80.00	381.75
GMB300090DU	300.00	305.00	90.00	402.20
GMB300100DU	300.00	305.00	100.00	423.45
GMB300110DU	300.00	305.00	110.00	444.15
GMB300120DU	300.00	305.00	120.00	464.70
GMB300130DU	300.00	305.00	130.00	485.85
GMB300140DU	300.00	305.00	140.00	506.40
GMB300150DU	300.00	305.00	150.00	527.15

"DU" FLANGED BEARING

BR. PTFE/STEEL



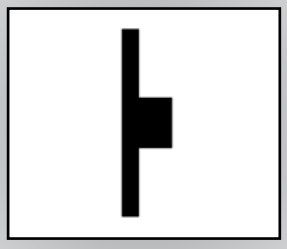


Temperature: -328/536F [-200/280C] **Pressure: 44 000 PSI [3035 Bar]**

Ref.Number	Nominal Bearing Dimensions				$
	d	D	D2	H	
FMB006004DU	6.00	8.00	12.00	4.00	9.80
FMB006008DU	6.00	8.00	12.00	8.00	10.00
FMB008005DU	8.00	10.00	15.00	5.50	10.00
FMB008007DU	8.00	10.00	15.00	7.50	10.05
FMB008009DU	8.00	10.00	15.00	9.50	10.10
FMB010007DU	10.00	12.00	18.00	7.00	10.05
FMB010009DU	10.00	12.00	18.00	9.00	10.15
FMB010012DU	10.00	12.00	18.00	12.00	10.60
FMB010017DU	10.00	12.00	18.00	17.00	10.70
FMB012007DU	12.00	14.00	20.00	7.00	10.10
FMB012009DU	12.00	14.00	20.00	9.00	10.20
FMB012012DU	12.00	14.00	20.00	12.00	10.65
FMB012017DU	12.00	14.00	20.00	17.00	10.85
FMB014012DU	14.00	16.00	22.00	12.00	10.85
FMB014017DU	14.00	16.00	22.00	17.00	11.45
FMB015009DU	15.00	17.00	23.00	9.00	10.35
FMB015012DU	15.00	17.00	23.00	12.00	10.85
FMB015017DU	15.00	17.00	23.00	17.00	11.60
FMB016012DU	16.00	18.00	24.00	12.00	10.90
FMB016017DU	16.00	18.00	24.00	17.00	11.70

Ref.Number	Nominal Bearing Dimensions				$
	d	D	D2	H	
FMB018012DU	18.00	20.00	26.00	12.00	10.95
FMB018017DU	18.00	20.00	26.00	17.00	12.50
FMB018022DU	18.00	20.00	26.00	22.00	14.05
FMB020011DU	20.00	23.00	30.00	11.50	11.25
FMB020016DU	20.00	23.00	30.00	16.50	15.05
FMB020021DU	20.00	23.00	30.00	21.50	16.35
FMB025011DU	25.00	28.00	35.00	11.50	12.40
FMB025016DU	25.00	28.00	35.00	16.50	15.25
FMB025021DU	25.00	28.00	35.00	21.50	18.05
FMB030016DU	30.00	34.00	42.00	16.00	19.05
FMB030026DU	30.00	34.00	42.00	26.00	14.10
FMB035016DU	35.00	39.00	47.00	16.00	20.45
FMB035026DU	35.00	39.00	47.00	26.00	21.80
FMB040016DU	40.00	44.00	52.00	16.00	39.95
FMB040026DU	40.00	44.00	52.00	26.00	42.05

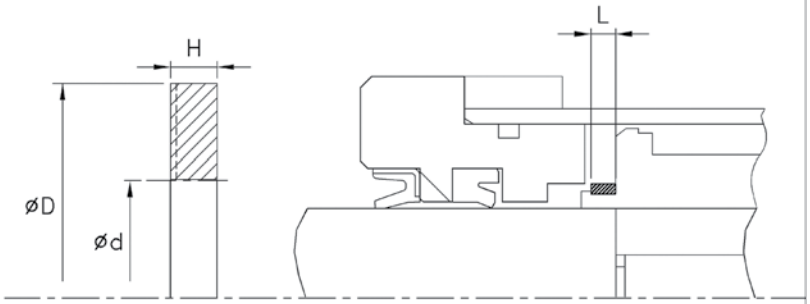
THESE PROFILES ARE ALSO AVAILABLE ON REQUEST



GE - Cushion Seals

Nylon





Temperature: -40/250F [-40/121C] **Pressure: N/A**

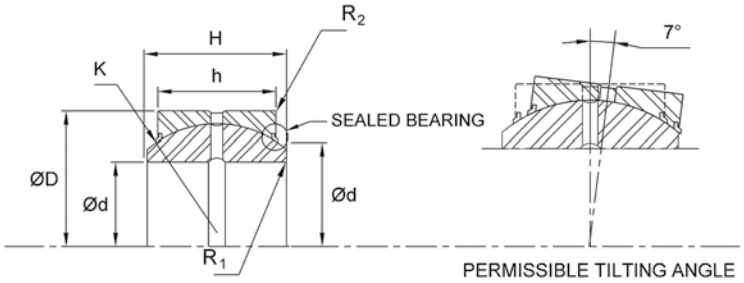
Ref.Number	Nominal Seal Dimensions			$
	d	D	H	
G025030050GE	24.80	30.00	5.00	29.40
G026030050GE	25.80	30.00	5.00	28.05
G032038060GE	31.76	38.00	6.00	28.90
G032038060GE-1	31.80	38.00	6.00	28.90
G033038060GE	33.00	38.00	6.00	27.10
G034039060GE	33.65	38.85	6.00	27.10
G041046060GE	41.00	46.00	6.00	20.35
G059065060GE	58.80	65.00	6.00	17.30
G060065060GE	60.00	65.00	6.00	31.70
G061064060GE	61.05	64.00	6.00	33.50
G063069060GE	63.00	69.00	6.00	33.50
G065070060GE	65.00	70.00	6.00	35.15
G065071060GE	64.80	70.80	6.00	34.50
G068074060GE	68.00	74.00	6.00	35.75
G069075060GE	68.80	75.00	6.00	34.90
G069079080GE	68.85	78.85	8.00	32.10
G070075060GE	70.00	75.00	6.00	39.10
G074080060GE	73.80	80.00	6.00	35.10
G074084080GE	74.00	84.00	8.00	32.45
G075080060GE	75.00	80.00	6.00	42.90
G079085060GE	78.76	85.00	6.00	31.70
G079089080GE	79.00	89.00	8.00	32.75

Ref.Number	Nominal Bearing Dimensions			$
	d	D	H	
G080085060GE	80.00	85.00	6.00	27.40
G084090060GE	83.80	90.00	6.00	36.40
G084094080GE	83.70	93.70	8.00	31.25
G085090060GE	85.00	90.00	6.00	47.30
G089094060GE	89.00	94.00	6.00	40.65
G089095060GE	88.80	95.00	6.00	24.00
G089099080GE	88.85	98.85	8.00	33.35
G090095060GE	90.00	95.00	6.00	52.00
G094104080GE	93.50	103.50	8.00	37.70
G095100060GE	95.00	100.00	6.00	30.10
G102107060GE	101.80	107.00	6.00	31.60
G105110060GE	105.00	110.00	6.00	42.45
G109119080GE	108.50	118.50	8.00	38.70
G110115060GE	109.80	115.00	6.00	21.00
G115120060GE	114.80	120.00	6.00	31.60
G116128100GE	116.00	128.00	10.00	34.00
G117122060GE	117.00	122.00	6.00	30.80
G122134100GE	122.00	134.00	10.00	35.90
G126138100GE	125.50	137.50	10.00	30.10

GE-ES2RS/Z - Spherical Ball Bushing

Steel (With Seals)





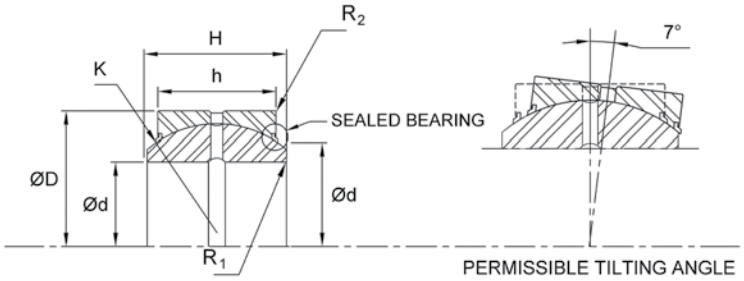
Temperature: **Pressure:**

Ref.Number	Rod diameter		Nominal Bushing Dimensions								$
		Tol.	d	d1	D	h	H	K	R1	R2	
GE15ES-2RS/Z	15.00	+0.00 / -0.04	15.00	18.40	26.00	9.00	12.00	22.00	0.80	0.80	18.30
GE17ES-2RS/Z	17.00	+0.00 / -0.04	17.00	20.70	30.00	10.00	14.00	25.00	0.80	0.80	19.15
GE20ES-2RS/Z	20.00	+0.00 / -0.04	20.00	24.20	35.00	12.00	16.00	29.00	0.80	1.00	20.15
GE25ES-2RS/Z	25.00	+0.00 / -0.04	25.00	29.30	42.00	16.00	20.00	35.50	0.80	1.00	24.45
GE30ES-2RS/Z	30.00	+0.00 / -0.04	30.00	34.20	47.00	18.00	22.00	40.70	0.80	1.00	28.30
GE35ES-2RS/Z	35.00	+0.00 / -0.04	35.00	39.80	55.00	20.00	25.00	47.00	1.00	1.20	33.60
GE40ES-2RS/Z	40.00	+0.00 / -0.05	40.00	45.00	62.00	22.00	28.00	53.00	1.00	1.20	41.55
GE45ES-2RS/Z	45.00	+0.00 / -0.05	45.00	50.80	68.00	25.00	32.00	60.00	1.00	1.20	47.70
GE50ES-2RS/Z	50.00	+0.00 / -0.05	50.00	56.00	75.00	28.00	35.00	66.00	1.00	1.20	60.55
GE60ES-2RS/Z	60.00	+0.00 / -0.05	60.00	66.80	90.00	36.00	44.00	80.00	1.20	1.50	102.70
GE70ES-2RS/Z	70.00	+0.00 / -0.06	70.00	77.90	105.00	40.00	49.00	92.00	1.20	1.50	139.20
GE80ES-2RS/Z	80.00	+0.00 / -0.09	80.00	89.40	120.00	45.00	55.00	105.00	1.20	1.50	188.75
GE90ES-2RS/Z	90.00	+0.00 / -0.09	90.00	98.10	130.00	50.00	60.00	115.00	1.50	1.50	251.30
GE100ES-2RS/Z	100.00	+0.00 / -0.09	100.00	109.50	150.00	55.00	70.00	130.00	1.50	1.50	388.80
GE110ES-2RS/Z	110.00	+0.00 / -0.13	110.00	121.20	160.00	55.00	70.00	140.00	1.50	1.50	459.45
GE120ES-2RS/Z	120.00	+0.00 / -0.13	120.00	135.60	180.00	70.00	85.00	160.00	1.50	1.50	696.95
GE140ES-2RS/Z	140.00	+0.00 / -0.13	140.00	155.90	210.00	70.00	90.00	180.00	1.50	1.50	1210.30
GE160ES-2RS/Z	160.00	+0.00 / -0.13	160.00	170.20	230.00	80.00	105.00	200.00	1.50	1.50	O/R
GE180ES-2RS/Z	180.00	+0.00 / -0.13	180.00	199.00	260.00	80.00	105.00	225.00	2.00	2.00	O/R
GE200ES-2RS/Z	200.00	+0.00 / -0.13	200.00	213.50	290.00	100.00	130.00	250.00	2.00	2.00	O/R
GE220ES-2RS/Z	220.00	+0.00 / -0.13	220.00	239.60	320.00	100.00	135.00	275.00	2.00	2.00	O/R
GE240ES-2RS/Z	240.00	+0.00 / -0.13	240.00	265.30	340.00	100.00	140.00	300.00	2.00	2.00	O/R
GE260ES-2RS/Z	260.00	+0.00 / -0.13	260.00	288.30	370.00	110.00	150.00	325.00	2.00	2.00	O/R
GE280ES-2RS/Z	280.00	+0.00 / -0.13	280.00	313.80	400.00	120.00	155.00	350.00	2.00	2.00	O/R
GE300ES-2RS/Z	300.00	+0.00 / -0.13	300.00	336.70	430.00	120.00	165.00	375.00	2.00	2.00	O/R

GE-GS2RS/Z - Spherical Ball Bushing

Steel (With Seals)





Temperature: **Pressure:**

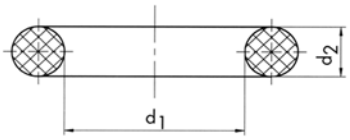
Ref.Number	Rod diameter		Nominal Bushing Dimensions								$
		Tol.	d	d1	D	h	H	K	R1	R2	
GE15GS-2RS/Z	15.00	+0.00 / -0.04	15.00	19.20	30.00	10.00	16.00	25.00	0.80	0.80	44.25
GE17GS-2RS/Z	17.00	+0.00 / -0.04	17.00	21.00	35.00	12.00	20.00	29.00	0.80	1.00	49.95
GE20GS-2RS/Z	20.00	+0.00 / -0.04	20.00	25.20	42.00	16.00	25.00	35.50	0.80	1.00	59.50
GE25GS-2RS/Z	25.00	+0.00 / -0.04	25.00	29.50	47.00	18.00	28.00	40.70	0.80	1.00	70.30
GE30GS-2RS/Z	30.00	+0.00 / -0.04	30.00	34.40	55.00	20.00	32.00	47.00	0.80	1.20	83.75
GE35GS-2RS/Z	35.00	+0.00 / -0.04	35.00	39.80	62.00	22.00	35.00	53.00	1.00	1.20	106.45
GE40GS-2RS/Z	40.00	+0.00 / -0.05	40.00	44.70	68.00	25.00	40.00	60.00	1.00	1.20	123.85
GE45GS-2RS/Z	45.00	+0.00 / -0.05	45.00	50.10	75.00	28.00	43.00	66.00	1.00	1.20	146.35
GE50GS-2RS/Z	50.00	+0.00 / -0.05	50.00	57.10	90.00	36.00	56.00	80.00	1.00	1.50	207.10
GE60GS-2RS/Z	60.00	+0.00 / -0.05	60.00	67.10	105.00	40.00	63.00	92.00	1.20	1.50	278.70
GE70GS-2RS/Z	70.00	+0.00 / -0.06	70.00	78.30	120.00	45.00	70.00	105.00	1.20	1.50	421.95
GE80GS-2RS/Z	80.00	+0.00 / -0.09	80.00	87.20	130.00	50.00	75.00	115.00	1.20	1.50	540.85
GE90GS-2RS/Z	90.00	+0.00 / -0.09	90.00	98.40	150.00	55.00	85.00	130.00	1.50	1.50	849.85
GE100GS-2RS/Z	100.00	+0.00 / -0.09	100.00	111.20	160.00	55.00	85.00	140.00	1.50	1.50	915.00
GE110GS-2RS/Z	110.00	+0.00 / -0.13	110.00	124.90	180.00	70.00	100.00	160.00	1.50	1.50	O/R
GE120GS-2RS/Z	120.00	+0.00 / -0.13	120.00	138.50	210.00	70.00	115.00	180.00	1.50	1.50	O/R
GE140GS-2RS/Z	140.00	+0.00 / -0.13	140.00	152.00	230.00	80.00	130.00	200.00	1.50	1.50	O/R
GE160GS-2RS/Z	160.00	+0.00 / -0.13	160.00	180.00	260.00	80.00	135.00	225.00	1.50	2.00	O/R
GE180GS-2RS/Z	180.00	+0.00 / -0.13	180.00	196.20	290.00	100.00	155.00	250.00	2.00	2.00	O/R
GE200GS-2RS/Z	200.00	+0.00 / -0.13	200.00	220.00	320.00	100.00	165.00	275.00	2.00	2.00	O/R
GE220GS-2RS/Z	220.00	+0.00 / -0.13	220.00	243.70	340.00	100.00	175.00	300.00	2.00	2.00	O/R
GE240GS-2RS/Z	240.00	+0.00 / -0.13	240.00	263.70	370.00	110.00	190.00	325.00	2.00	2.00	O/R
GE260GS-2RS/Z	260.00	+0.00 / -0.13	260.00	283.70	400.00	120.00	205.00	350.00	2.00	2.00	O/R
GE280GS-2RS/Z	280.00	+0.00 / -0.13	280.00	310.70	430.00	120.00	210.00	375.00	2.00	2.00	O/R

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O'RING INSTALLATION DIMENSIONS

Dimensions and tolerances

Basic tolerances for O-rings
DIN ISO 3601 and DIN 3771



For intermediate sizes, the next tolerance up is chosen.

The dimensional tolerances of the finished O-ring are achieved by using appropriately designed form tools and allowing for the shrinkage factor of the elastomer. It is often possible to use moulds and elastomers with similar shrinkage; in these cases the tolerances in the above chart do not apply.

The quoted tolerances can be reduced even further by modifying the elastomer and using special manufacturing procedures.

d 1	Tol	d 1	Tol	d 1	Tol
≤ 2.5	± 0.13	75	± 0.66	272	± 2.02
4.5	± 0.14	77.5	± 0.67	280	± 2.08
6.3	± 0.15	80	± 0.69	290	± 2.14
8.5	± 0.16	82.5	± 0.71	300	± 2.21
10.0	± 0.17	85	± 0.73	307	± 2.25
11.2	± 0.18	87.5	± 0.75	315	± 2.3
14	± 0.19	90	± 0.77	325	± 2.37
16	± 0.2	92.5	± 0.79	335	± 2.43
18	± 0.21	95	± 0.81	345	± 2.49
20	± 0.22	97.5	± 0.83	355	± 2.56
21.2	± 0.23	100	± 0.84	365	± 2.62
23.6	± 0.24	103	± 0.87	375	± 2.68
25	± 0.25	106	± 0.89	387	± 2.76
26.5	± 0.26	109	± 0.91	400	± 2.84
28	± 0.28	112	± 0.93	412	± 2.91
30	± 0.29	115	± 0.95	425	± 2.99
31.5	± 0.31	118	± 0.97	437	± 3.07
33.5	± 0.32	122	± 1	450	± 3.15
34.5	± 0.33	125	± 1.03	462	± 3.22
35.5	± 0.34	128	± 1.05	475	± 3.3
36.5	± 0.35	132	± 1.08	487	± 3.37
37.5	± 0.36	136	± 1.1	500	± 3.45
38.7	± 0.37	140	± 1.13	515	± 3.54
40	± 0.38	145	± 1.17	530	± 3.63
41.2	± 0.39	150	± 1.2	545	± 3.72
42.5	± 0.4	155	± 1.24	560	± 3.81
43.7	± 0.41	160	± 1.27	580	± 3.93
45	± 0.42	165	± 1.31	600	± 4.05
46.2	± 0.43	170	± 1.34	615	± 4.13
47.5	± 0.44	175	± 1.38	630	± 4.22
48.7	± 0.45	180	± 1.41	650	± 4.34
50	± 0.46	185	± 1.44	670	± 4.46
51.5	± 0.47	190	± 1.48	>670	± 0.7%
53	± 0.48	195	± 1.51		
54.5	± 0.5	200	± 1.55	**d 2**	**Tol**
56	± 0.51	206	± 1.59	≤ 1.8	± 0.08
58	± 0.52	212	± 1.63	≤ 2.65	± 0.09
60	± 0.54	218	± 1.67	≤ 3.55	± 0.1
61.5	± 0.55	224	± 1.71	≤ 5.3	± 0.13
63	± 0.56	230	± 1.75	≤ 7	± 0.15
65	± 0.58	236	± 1.79	≤ 8	± 0.16
67	± 0.59	243	± 1.83	≤10	± 0.18
69	± 0.61	250	± 1.88		
71	± 0.63	258	± 1.93		
73	± 0.64	265	± 1.98		

Installation housings and design recommendations

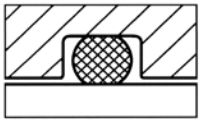
The installation housings (grooves) for O-rings should if possible be produced with right angles. The dimensions for the required depth and width depend on the particular application and cross-section. The dimensions are recommendations for the particular type of installation, and refer to the nominal sizes. They should be observed because the sealing function depends on the precise execution of the grooves.

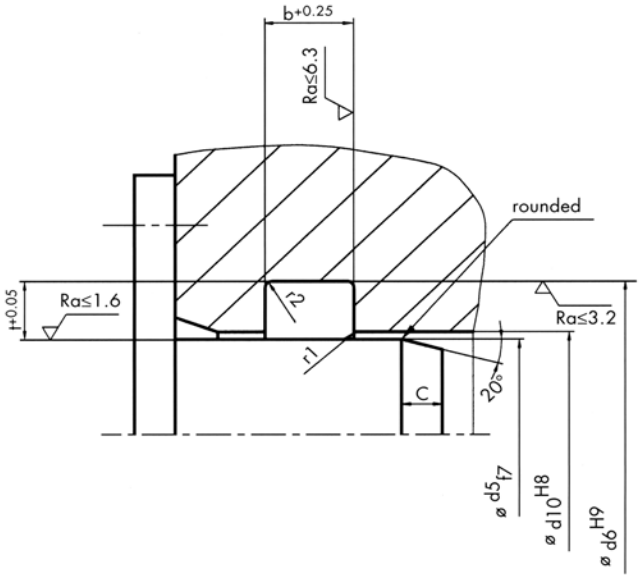
Static sealing

O-rings are ideal for sealing resting machine elements. We speak of a static or resting seal when the machine elements that are to be sealed do not move in relation to each other. If the groove is executed correctly, the items used as intended and the right material chosen, O-rings can seal pressures of up to 1000 bar.
(Back-rings may also be required.)

Rectangular groove by radial deformation
This type of sealing is the preferred choice for sealing pins, bolts, tube connections or cylindrical tubes. The O-ring section is deformed radially on installation, i.e. in the direction of the centre of the bolt/pipe. The position of the groove, whether on the inside or the outside, does not play a functional part on solid components, but depends on the processing and installation possibilities. On thin walled parts where elastic deformation could occur such as with a cylindrical pipe, the groove should be on the fixed outer part (cylinder bottom) so that the groove on the side that is not subject to pressure does not increase as the item opens out.

Static sealing, internal sealing, rectangular groove by radial deformation



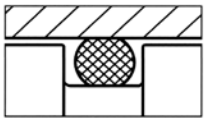


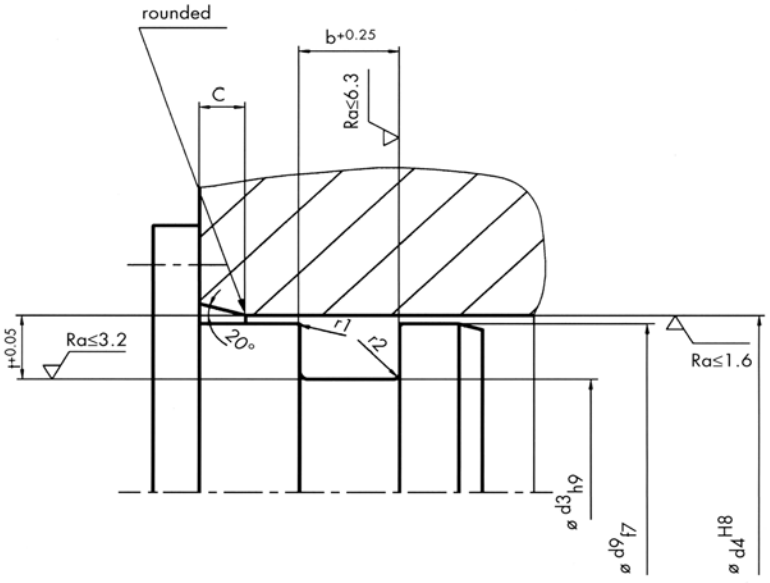
O'RING INSTALLATION DIMENSIONS

Groove dimensions

d2	Groove depth t +0.05	Groove width b +0.25	Lead-in chamfer C	d2	Groove depth t +0.05	Groove width b +0.25	Lead-in chamfer C
1	0.75	1.3	1.2	4	3.2	5.2	3
1.2	0.9	1.6	1.2	4.3	3.4	5.6	3
1.25	0.9	1.7	1.2	4.5	3.6	5.8	3
1.3	1	1.7	1.2	5	4	6.5	3
1.5	1.1	2	1.5	5.3	4.3	7	3
1.6	1.2	2.1	1.5	5.33	4.3	7.1	3.5
1.78	1.3	2.4	1.5	5.5	4.5	7.2	3.5
1.8	1.3	2.4	1.5	5.7	4.6	7.6	3.5
1.9	1.4	2.5	1.5	6	4.9	7.9	3.5
2	1.5	2.6	2	6.5	5.4	8.4	4
2.2	1.7	3	2	6.99	5.8	9.2	4
2.4	1.8	3.2	2	7	5.8	9.3	4
2.5	1.9	3.3	2	7.5	6.3	9.8	4
2.6	2	3.4	2	8	6.7	10.5	4
2.62	2	3.5	2	8.4	7.1	10.9	4.5
2.65	2	3.6	2	8.5	7.2	11	4.5
2.7	2.1	3.6	2	9	7.7	11.7	4.5
2.8	2.2	3.7	2	9.5	8.2	12.3	4.5
3	2.3	3.9	2.5	10	8.6	13	5
3.1	2.4	4	2.5	10.5	9	13.8	5
3.5	2.7	4.6	2.5	11	9.5	14.3	5
3.53	2.7	4.7	2.5	12	10.5	15.6	5
3.55	2.8	4.7	2.5	15	13.2	19.2	5
3.6	2.8	4.8	2.5				
3.7	2.9	4.9	2.5				

Static sealing, external sealing, rectangular groove by radial deformation





Rectangular groove by axial deformation
This type of installation is used primarily for flange and cover sealing. The O-ring cross section is deformed axially.

Note that the O-ring should be placed against the non-pressure side of the groove on installation in order to prevent it from moving in the groove when pressure is applied or increases.

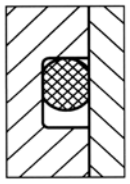
If the O-ring moves in the groove, it will be stretched and compressed, which causes material fatigue and premature wear. Observing the pressure direction will prevent the surface of the O-ring from possibly rolling, and thus being destroyed.

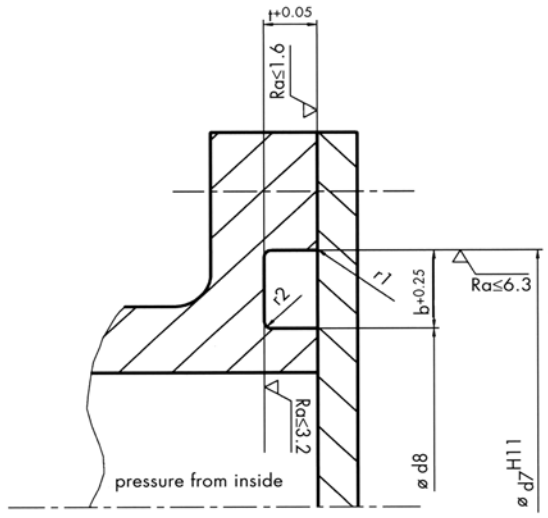
- If pressure is applied from the inside, the outer diameter of the O-ring should be placed against the outer diameter of the groove, or else be up to max. 3% bigger (the O-ring will be compressed).

- If pressure is applied from the outside, the inner diameter of the O-ring should be placed against the inner diameter of the groove or else be up to max. 6% smaller (the O-ring will be stretched).

When the item is intended for axial installation, the cover screwing should be very strongly designed to ensure that the gap between the sealed surfaces never exceeds the permitted size. The pressure could otherwise squeeze out the O-ring.

Static sealing, pressure from inside, rectangular groove by axial deformation



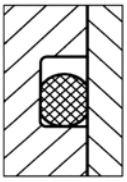


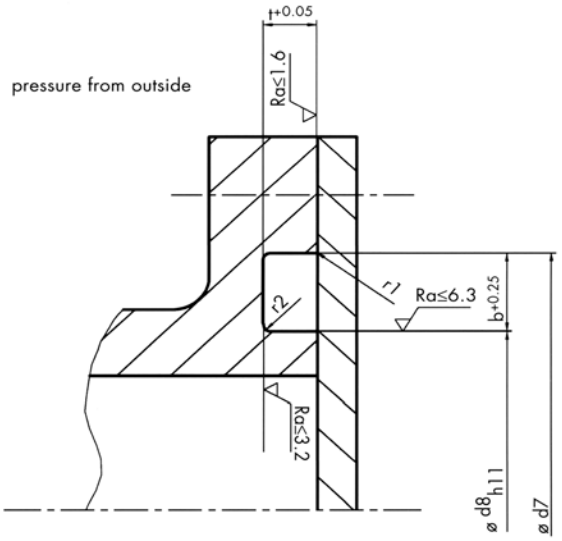
O'RING INSTALLATION DIMENSIONS

Groove dimensions

d2	Groove depth $t^{+0.05}$	Groove width $b^{+0.25}$	d2	Groove depth $t^{+0.05}$	Groove width $b^{+0.25}$
1	0.7	1.4	4	3.1	5.5
1.2	0.9	1.6	4.3	3.3	5.9
1.25	0.9	1.7	4.5	3.5	6.1
1.3	1	1.7	5	4	6.7
1.5	1.1	2.1	5.3	4.2	7.2
1.6	1.2	2.2	5.33	4.2	7.3
1.78	1.3	2.5	5.5	4.5	7.4
1.8	1.3	2.6	5.7	4.6	7.6
1.9	1.4	2.7	6	4.8	8.1
2	1.5	2.8	6.5	5.3	8.6
2.2	1.6	3.1	6.99	5.7	9.7
2.4	1.8	3.3	7	5.7	9.7
2.5	1.9	3.5	7.5	6.2	10.1
2.6	2	3.6	8	6.6	10.7
2.62	2	3.7	8.4	7.1	11.1
2.65	2	3.8	8.5	7.2	11.3
2.7	2.1	3.8	9	7.6	12
2.8	2.1	4	9.5	8.1	12.5
3	2.3	4.1	10	8.5	13.6
3.1	2.4	4.2	10.5	8.9	14
3.5	2.7	4.8	11	9.4	14.7
3.53	2.7	4.9	12	10.4	15.7
3.55	2.7	5	15	13.2	19.4
3.6	2.8	5.1			
3.7	2.9	5.2			

Static sealing, pressure from outside, rectangular groove by axial deformation





Dynamic sealing

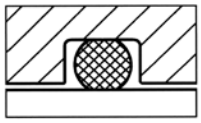
O-rings are used successfully as sealing elements in dynamic applications. However, their use is limited to lower pressures and speeds, or to use in small installation housings.

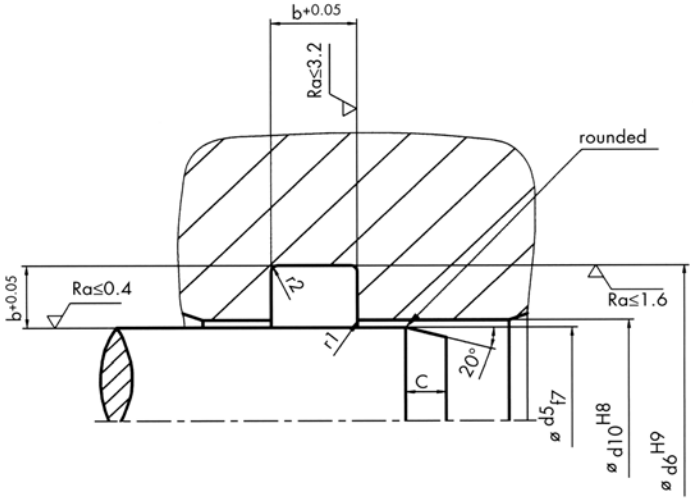
Because of the friction resistance in movement, e.g. in hydraulic or pneumatic components, a smaller O-ring deformation is chosen than for static sealing. The item should always be well lubricated in order to prevent a loss of power due to friction and premature wear of the O-ring if it runs dry.

The installation housings are the same for the reciprocating movement, and for the movement with simultaneous rotating (helical) movement. There are differences between the housings of hydraulic and pneumatic applications, because of the differences in pressure and lubrication.

Hydraulics
O-rings should only be used to seal hydraulic pistons and rods if there is little space for the installation, or if the rod stroke is relatively short with a low frequency, and the seal does not have to be completely leak-proof. In fact, a tiny amount of leakage is desirable as it provides a lubricant film that reduces friction and wear.

Dynamic sealing, internal sealing, rectangular groove by radial deformation



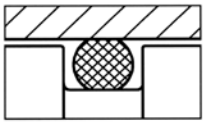


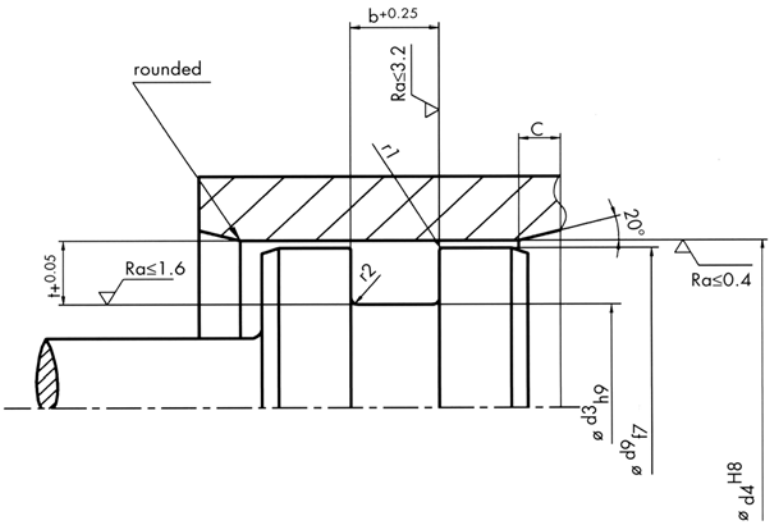
O'RING INSTALLATION DIMENSIONS

Groove dimensions

d2	Groove depth t +0.05	Groove width b +0.25	Lead-in chamfer C	d2	Groove depth t +0.05	Groove width b +0.25	Lead-in chamfer C
1	0.9	1.3	1	3.7	3.2	4.8	2
1.2	1	1.6	1	4	3.5	5.1	2
1.25	1.1	1.6	1	4.3	3.8	5.5	2.5
1.3	1.1	1.7	1.2	4.5	4	5.7	2.5
1.5	1.3	1.9	1.2	5	4.4	6.4	2.7
1.6	1.4	2	1.2	5.3	4.7	6.8	2.9
1.78	1.5	2.3	1.3	5.33	4.7	6.9	2.9
1.8	1.5	2.4	1.3	5.5	4.9	7.1	3
1.9	1.6	2.5	1.3	5.7	5.1	7.2	3
2	1.7	2.6	1.3	6	5.4	7.5	3.6
2.2	1.9	2.8	1.3	6.5	5.8	8.1	3.6
2.4	2.1	3	1.4	6.99	6.2	8.8	3.6
2.5	2.2	3.1	1.4	7	6.2	8.9	3.6
2.6	2.2	3.3	1.5	7.5	6.7	9.4	3.8
2.62	2.2	3.4	1.5	8	7.1	10.2	4
2.65	2.3	3.4	1.5	8.4	7.5	10.6	4.2
2.7	2.4	3.4	1.5	8.5	7.6	10.8	4.2
2.8	2.4	3.6	1.6	9	8.1	11.4	4.5
3	2.6	3.8	1.8	9.5	8.5	12	4.5
				10	9	12.6	4.5
3.1	2.7	3.9	1.8				
3.5	3.1	4.4	2	10.5	9.5	13.2	5
3.53	3.1	4.5	2	11	9.9	13.9	5
3.55	3.1	4.5	2	12	10.9	15.1	5
3.6	3.1	4.6	2	15	13.7	18.8	5

Dynamic sealing, external sealing, rectangular groove by radial deformation

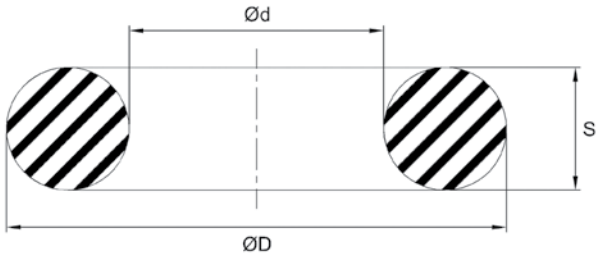




METRIC O'RINGS

NBR 70A
NBR 90A
FPM 80A





NBR Temperature: -40/266F [-40/130C] **FPM Temperature: -13/428F [-25/220C]**

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM	Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V		d	D	S	/N	/N90	/V
MOR0007010-1	0.75	2.75	1.00	0.10	0.10	0.30	MOR0020016	2.01	5.21	1.60	O/R	O/R	0.50
MOR0008010	0.80	2.80	1.00	O/R	O/R	0.30	MOR0021032	2.13	8.53	3.20	0.25	0.25	O/R
MOR0008012	0.80	3.30	1.25	0.10	0.10	O/R	MOR0022010	2.20	4.20	1.00	0.10	0.10	0.35
MOR0010010	1.00	3.00	1.00	0.10	0.10	O/R	MOR0022013	2.20	4.80	1.30	0.10	0.10	O/R
MOR0010020	1.00	5.00	2.00	0.10	0.10	0.70	MOR0022015	2.20	5.20	1.50	O/R	O/R	0.45
MOR0010012	1.07	3.57	1.25	0.10	0.10	O/R	MOR0022016	2.20	5.40	1.60	0.10	0.10	0.50
MOR0011020	1.10	5.10	2.00	0.10	0.10	O/R	MOR0022018	2.24	5.84	1.80	O/R	O/R	0.50
MOR0011010	1.15	3.15	1.00	0.10	0.10	0.30	MOR0023013	2.30	4.90	1.30	O/R	O/R	0.45
MOR0012010	1.20	3.20	1.00	0.10	0.10	0.30	MOR0023024	2.30	7.10	2.40	0.10	0.10	O/R
MOR0012012	1.20	3.70	1.25	0.10	0.10	O/R	MOR0023015	2.31	5.31	1.50	0.10	0.10	0.45
MOR0012010-1	1.22	3.36	1.07	0.10	0.10	O/R	MOR0023010	2.35	4.35	1.00	0.10	0.10	0.35
MOR0012010-2	1.25	3.25	1.00	0.10	0.10	O/R	MOR0024010	2.40	4.50	1.05	0.10	0.10	O/R
MOR0012015	1.25	4.25	1.50	0.10	0.10	O/R	MOR0024013	2.40	5.00	1.30	0.10	0.10	0.45
MOR0013010	1.30	3.30	1.00	0.10	0.10	0.30	MOR0024015	2.40	5.40	1.50	0.10	0.10	0.45
MOR0013011	1.30	3.50	1.10	0.10	0.10	O/R	MOR0024019	2.40	6.20	1.90	0.10	0.10	0.50
MOR0014012	1.40	3.90	1.25	0.10	0.10	O/R	MOR0025010	2.50	4.50	1.00	0.10	0.10	0.35
MOR0015010	1.50	3.50	1.00	0.10	0.10	0.30	MOR0025011	2.50	4.70	1.10	0.10	0.10	0.35
MOR0015015	1.50	4.50	1.50	0.10	0.10	0.35	MOR0025012	2.50	4.90	1.20	0.10	0.10	0.35
MOR0016010	1.60	3.60	1.00	0.10	0.10	0.30	MOR0025013	2.50	5.10	1.30	0.10	0.10	O/R
MOR0016013	1.60	4.30	1.35	0.10	0.10	O/R	MOR0025015	2.50	5.50	1.50	0.10	0.10	0.45
MOR0017010	1.70	3.70	1.00	0.10	0.10	O/R	MOR0025016	2.50	5.70	1.60	0.10	0.10	0.50
MOR0017015	1.70	4.70	1.50	0.10	0.10	O/R	MOR0025017	2.50	6.00	1.75	O/R	O/R	0.50
MOR0018010	1.80	3.80	1.00	0.10	0.10	0.30	MOR0025018	2.50	6.10	1.80	0.10	0.10	0.50
MOR0018012	1.80	4.20	1.20	O/R	O/R	0.35	MOR0025020	2.50	6.50	2.00	0.10	0.10	0.70
MOR0018012-1	1.80	4.30	1.25	O/R	O/R	0.35	MOR0026010	2.60	4.60	1.00	0.10	0.10	0.45
MOR0018015	1.80	4.80	1.50	0.10	0.10	O/R	MOR0026012	2.60	5.00	1.20	0.10	0.10	0.45
MOR0018018	1.80	5.40	1.80	O/R	O/R	0.45	MOR0026013	2.60	5.20	1.30	0.10	0.10	0.50
MOR0018015-1	1.85	4.85	1.50	0.10	0.10	O/R	MOR0026016	2.60	5.80	1.60	0.10	0.10	0.50
MOR0019010	1.90	3.90	1.00	O/R	O/R	0.35	MOR0026018	2.60	6.20	1.80	0.10	0.10	0.50
MOR0019012	1.90	4.40	1.25	0.10	0.10	O/R	MOR0026019	2.60	6.40	1.90	0.10	0.10	0.50
MOR0020010	2.00	4.00	1.00	0.10	0.10	0.30	MOR0026020	2.60	6.60	2.00	0.10	0.10	O/R
MOR0020012	2.00	4.50	1.25	O/R	O/R	0.35	MOR0026022	2.60	7.10	2.25	0.10	0.10	O/R
MOR0020013	2.00	4.60	1.30	0.10	0.10	O/R	MOR0026024	2.60	7.40	2.40	0.10	0.10	O/R
MOR0020015	2.00	5.00	1.50	0.10	0.10	0.35	MOR0026016-1	2.65	5.85	1.60	0.10	0.10	0.50
MOR0020018	2.00	5.60	1.80	O/R	O/R	0.50	MOR0027010	2.70	4.70	1.00	0.10	0.10	0.45
MOR0020020	2.00	6.00	2.00	O/R	O/R	0.70	MOR0027015	2.70	5.70	1.50	0.10	0.10	0.50
MOR0020022	2.00	6.50	2.25	0.10	0.10	O/R	MOR0027019	2.70	6.50	1.90	0.10	0.10	O/R
MOR0020025	2.00	7.00	2.50	0.10	0.10	O/R	MOR0027016	2.75	5.95	1.60	0.10	0.10	0.50

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0028010	2.80	4.80	1.00	0.10	0.10	O/R
MOR0028011	2.80	5.00	1.10	0.10	0.10	0.45
MOR0028015	2.80	5.80	1.50	0.10	0.10	0.45
MOR0028016	2.80	6.00	1.60	0.10	0.10	0.50
MOR0028018	2.80	6.40	1.80	O/R	O/R	0.50
MOR0028019	2.80	6.60	1.90	0.10	0.15	0.55
MOR0028020	2.80	6.80	2.00	0.10	0.10	O/R
MOR0028010-1	2.87	4.97	1.05	0.10	0.10	O/R
MOR0029010	2.90	4.90	1.00	0.10	0.10	O/R
MOR0029010-1	2.90	5.00	1.05	0.10	0.10	O/R
MOR0029012	2.90	5.30	1.20	0.10	0.10	0.45
MOR0029012-1	2.90	5.40	1.25	0.10	0.10	O/R
MOR0029015	2.90	5.90	1.50	0.10	0.10	0.50
MOR0029017	2.90	6.40	1.75	0.10	0.10	0.50
MOR0030010	3.00	5.00	1.00	0.10	0.10	0.35
MOR0030011	3.00	5.20	1.10	0.10	0.10	O/R
MOR0030012	3.00	5.40	1.20	0.10	0.10	0.45
MOR0030012-1	3.00	5.50	1.25	0.10	0.10	O/R
MOR0030015	3.00	6.00	1.50	0.10	0.10	0.35
MOR0030016	3.00	6.20	1.60	0.10	0.10	0.50
MOR0030017	3.00	6.40	1.70	0.10	0.10	O/R
MOR0030018	3.00	6.60	1.80	O/R	O/R	0.50
MOR0030020	3.00	7.00	2.00	0.10	0.10	0.70
MOR0030023	3.00	7.60	2.30	0.10	0.10	O/R
MOR0030024	3.00	7.80	2.40	0.10	0.10	O/R
MOR0030025	3.00	8.00	2.50	0.10	0.10	O/R
MOR0030027	3.00	8.40	2.70	0.15	0.20	1.10
MOR0030030	3.00	9.00	3.00	0.15	0.20	1.10
MOR0030035	3.00	10.00	3.50	0.25	0.25	O/R
MOR0031012	3.10	5.60	1.25	0.10	0.10	O/R
MOR0031016	3.10	6.30	1.60	0.10	0.10	0.45
MOR0031012-1	3.15	5.65	1.25	0.10	0.10	O/R
MOR0031018	3.15	6.75	1.80	0.10	0.10	0.50
MOR0032010	3.20	5.20	1.00	O/R	O/R	0.50
MOR0032016	3.20	6.40	1.60	0.10	0.10	0.50
MOR0032018	3.20	6.80	1.80	0.10	0.10	0.50
MOR0033010	3.30	5.30	1.00	0.10	0.10	0.50
MOR0033015	3.30	6.30	1.50	O/R	O/R	0.50
MOR0033024	3.30	8.10	2.40	0.10	0.15	0.90
MOR0034013	3.40	6.00	1.30	0.10	0.10	0.50
MOR0034018	3.40	7.00	1.80	0.10	0.10	O/R
MOR0034019	3.40	7.20	1.90	0.10	0.10	0.50
MOR0035010	3.50	5.50	1.00	0.10	0.10	0.50
MOR0035011	3.50	5.70	1.10	0.10	0.10	0.50
MOR0035012	3.50	5.90	1.20	0.10	0.10	0.50
MOR0035012-1	3.50	6.00	1.25	0.10	0.10	O/R
MOR0035015	3.50	6.50	1.50	0.10	0.10	0.50
MOR0035018	3.50	7.10	1.80	0.10	0.10	0.50

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0035019	3.50	7.30	1.90	0.10	0.10	O/R
MOR0035020	3.50	7.50	2.00	0.10	0.10	0.70
MOR0035030	3.50	9.50	3.00	0.20	0.20	1.10
MOR0035018-1	3.55	7.15	1.80	0.10	0.10	0.50
MOR0036012	3.60	6.00	1.20	0.10	0.10	0.50
MOR0036013	3.60	6.20	1.30	0.10	0.10	O/R
MOR0036019	3.60	7.40	1.90	0.10	0.10	O/R
MOR0036020	3.60	7.60	2.00	0.10	0.10	O/R
MOR0036023	3.60	8.20	2.30	0.15	0.15	O/R
MOR0036024	3.60	8.40	2.40	0.15	0.15	0.90
MOR0036027	3.60	9.00	2.70	0.20	0.20	O/R
MOR0036024-1	3.65	8.45	2.40	O/R	O/R	1.00
MOR0036016	3.66	6.86	1.60	0.10	O/R	O/R
MOR0036019-1	3.66	7.46	1.90	O/R	0.10	O/R
MOR0037010	3.70	5.70	1.00	0.10	0.10	O/R
MOR0037012	3.70	6.10	1.20	0.10	0.10	O/R
MOR0037018	3.70	7.30	1.80	0.10	0.10	0.55
MOR0037019	3.70	7.50	1.90	0.10	0.10	O/R
MOR0037020	3.70	7.70	2.00	0.10	0.10	O/R
MOR0037010-1	3.71	5.71	1.00	O/R	O/R	0.50
MOR0037018-1	3.75	7.35	1.80	0.10	0.10	O/R
MOR0038012	3.80	6.30	1.25	0.10	0.10	O/R
MOR0038015	3.80	6.80	1.50	O/R	O/R	0.50
MOR0038019	3.80	7.60	1.90	O/R	0.15	0.55
MOR0038024	3.80	8.60	2.40	O/R	O/R	1.00
MOR0039015	3.90	6.90	1.50	0.10	0.10	0.50
MOR0039018	3.90	7.50	1.80	0.10	0.10	0.55
MOR0040010	4.00	6.00	1.00	0.10	0.10	0.35
MOR0040011	4.00	6.20	1.10	0.10	0.10	O/R
MOR0040012	4.00	6.40	1.20	0.10	0.10	0.50
MOR0040015	4.00	7.00	1.50	0.10	0.10	0.50
MOR0040016	4.00	7.20	1.60	O/R	O/R	0.50
MOR0040017	4.00	7.50	1.75	0.10	0.10	0.50
MOR0040018	4.00	7.60	1.80	O/R	O/R	0.55
MOR0040020	4.00	8.00	2.00	0.10	0.10	0.65
MOR0040022	4.00	8.40	2.20	0.15	0.15	1.00
MOR0040025	4.00	9.00	2.50	0.10	0.15	1.05
MOR0040030	4.00	10.00	3.00	0.20	0.20	1.10
MOR0040040	4.00	12.00	4.00	0.25	0.30	1.40
MOR0040050	4.00	14.00	5.00	0.40	0.50	2.30
MOR0040058	4.00	15.60	5.80	0.85	0.95	O/R
MOR0041010	4.10	6.10	1.00	O/R	O/R	0.50
MOR0041016	4.10	7.30	1.60	0.10	0.10	0.50
MOR0042019	4.20	8.00	1.90	0.10	0.10	0.50
MOR0043013	4.30	6.90	1.30	0.10	0.10	O/R
MOR0043024	4.30	9.10	2.40	0.10	0.15	0.95
MOR0043010	4.35	6.35	1.00	O/R	O/R	0.50
MOR0044015	4.40	7.40	1.50	0.10	0.10	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0045010	4.50	6.50	1.00	0.10	0.10	0.50
MOR0045015	4.50	7.50	1.50	0.10	0.10	0.50
MOR0045018	4.50	8.10	1.80	O/R	O/R	0.55
MOR0045020	4.50	8.50	2.00	0.10	0.10	0.70
MOR0045024	4.50	9.30	2.40	O/R	O/R	1.00
MOR0045025	4.50	9.50	2.50	O/R	O/R	1.05
MOR0045030	4.50	10.50	3.00	O/R	O/R	1.15
MOR0045058	4.50	16.10	5.80	0.85	0.95	O/R
MOR0046016	4.60	7.80	1.60	O/R	O/R	0.50
MOR0046020	4.60	8.60	2.00	0.10	0.10	0.70
MOR0046023	4.60	9.20	2.30	0.15	0.15	O/R
MOR0046024	4.60	9.40	2.40	0.15	0.15	1.00
MOR0046025	4.60	9.60	2.50	O/R	O/R	1.05
MOR0047010	4.70	6.70	1.00	0.10	0.10	O/R
MOR0047015	4.70	7.70	1.50	0.10	0.10	O/R
MOR0047016	4.70	7.90	1.60	O/R	O/R	0.50
MOR0047019	4.70	8.50	1.90	0.10	0.10	O/R
MOR0047020	4.70	8.70	2.00	O/R	O/R	0.90
MOR0048013	4.80	7.40	1.30	0.10	0.10	O/R
MOR0048016	4.80	8.00	1.60	0.10	0.10	O/R
MOR0048018	4.80	8.40	1.80	0.10	0.10	0.55
MOR0048019	4.80	8.60	1.90	0.10	0.15	0.55
MOR0048020	4.80	8.80	2.00	0.10	0.10	0.70
MOR0048030	4.80	10.80	3.00	0.20	0.20	O/R
MOR0048018-1	4.87	8.47	1.80	O/R	O/R	0.55
MOR0049019	4.90	8.70	1.90	0.10	0.10	0.50
MOR0049019-1	4.90	8.80	1.95	0.10	0.10	O/R
MOR0049015	4.93	7.93	1.50	O/R	O/R	0.50
MOR0050010	5.00	7.00	1.00	0.10	0.10	0.45
MOR0050012	5.00	7.40	1.20	0.10	0.10	0.50
MOR0050012-1	5.00	7.50	1.25	0.10	0.10	O/R
MOR0050015	5.00	8.00	1.50	0.10	0.10	0.50
MOR0050016	5.00	8.20	1.60	0.10	0.10	0.55
MOR0050017	5.00	8.50	1.75	0.10	0.10	O/R
MOR0050018	5.00	8.60	1.80	O/R	O/R	0.55
MOR0050019	5.00	8.80	1.90	O/R	O/R	0.55
MOR0050020	5.00	9.00	2.00	0.10	0.10	0.65
MOR0050025	5.00	10.00	2.50	0.10	0.15	0.95
MOR0050030	5.00	11.00	3.00	0.20	0.20	1.15
MOR0050032	5.00	11.40	3.20	0.25	0.25	O/R
MOR0050035	5.00	12.00	3.50	0.25	0.25	O/R
MOR0050040	5.00	13.00	4.00	O/R	O/R	1.55
MOR0050050	5.00	15.00	5.00	0.40	0.50	2.50
MOR0051010	5.10	7.10	1.00	0.10	0.10	0.50
MOR0051011	5.10	7.30	1.10	0.10	0.10	O/R
MOR0051016	5.10	8.30	1.60	0.10	0.10	0.50
MOR0051018	5.10	8.70	1.80	0.10	0.10	O/R
MOR0051018-1	5.15	8.75	1.80	0.10	0.10	0.55

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0052022	5.20	9.60	2.20	0.15	0.15	O/R
MOR0053012	5.30	7.70	1.20	0.10	0.10	O/R
MOR0053018	5.30	8.90	1.80	O/R	O/R	0.55
MOR0053024	5.30	10.10	2.40	0.10	0.15	0.95
MOR0053035	5.30	12.30	3.50	0.25	0.25	O/R
MOR0055010	5.50	7.50	1.00	0.10	0.10	0.50
MOR0055012	5.50	7.90	1.20	O/R	O/R	0.50
MOR0055015	5.50	8.50	1.50	0.10	0.10	0.55
MOR0055015-1	5.50	8.60	1.55	0.10	0.10	O/R
MOR0055016	5.50	8.70	1.60	0.10	0.10	O/R
MOR0055017	5.50	9.00	1.75	0.10	0.10	O/R
MOR0055018	5.50	9.10	1.80	O/R	O/R	0.55
MOR0055020	5.50	9.50	2.00	0.10	0.10	0.90
MOR0055024	5.50	10.30	2.40	0.15	0.15	1.05
MOR0055025	5.50	10.50	2.50	0.15	0.15	1.05
MOR0055030	5.50	11.50	3.00	O/R	O/R	1.20
MOR0055035	5.50	12.50	3.50	0.25	0.25	O/R
MOR0056010	5.60	7.60	1.00	0.10	0.10	0.55
MOR0056018	5.60	9.20	1.80	O/R	O/R	0.55
MOR0056019	5.60	9.40	1.90	O/R	O/R	0.55
MOR0056020	5.60	9.60	2.00	0.10	0.10	0.90
MOR0056021	5.60	9.80	2.10	0.15	0.15	O/R
MOR0056023	5.60	10.20	2.30	0.15	0.15	O/R
MOR0056024	5.60	10.40	2.40	0.15	0.15	0.95
MOR0057012	5.70	8.10	1.20	0.10	0.10	O/R
MOR0057018	5.70	9.30	1.80	O/R	O/R	0.55
MOR0057019	5.70	9.50	1.90	0.10	0.10	0.55
MOR0057021	5.70	10.00	2.15	0.15	0.15	O/R
MOR0057021-1	5.75	10.05	2.15	0.15	0.15	O/R
MOR0058015	5.80	8.80	1.50	0.10	0.10	O/R
MOR0058019	5.80	9.60	1.90	0.10	0.15	0.55
MOR0058021	5.80	10.10	2.15	0.15	0.20	O/R
MOR0058022	5.80	10.20	2.20	0.15	0.15	O/R
MOR0058012	5.82	8.22	1.20	0.10	0.10	O/R
MOR0058020	5.87	9.87	2.00	0.10	0.10	O/R
MOR0060010	6.00	8.00	1.00	0.10	0.10	0.50
MOR0060011	6.00	8.20	1.10	0.10	0.10	O/R
MOR0060012	6.00	8.40	1.20	0.10	0.10	O/R
MOR0060012-1	6.00	8.50	1.25	0.10	0.10	O/R
MOR0060015	6.00	9.00	1.50	0.10	0.10	0.50
MOR0060016	6.00	9.20	1.60	0.10	0.10	0.60
MOR0060018	6.00	9.60	1.80	0.10	0.10	0.65
MOR0060020	6.00	10.00	2.00	0.10	0.10	0.70
MOR0060021	6.00	10.20	2.10	O/R	O/R	0.90
MOR0060022	6.00	10.40	2.20	0.15	0.15	1.05
MOR0060023	6.00	10.60	2.30	0.15	0.15	O/R
MOR0060025	6.00	11.00	2.50	0.10	0.15	1.00
MOR0060030	6.00	12.00	3.00	0.15	0.20	1.10

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0060032	6.00	12.40	3.20	0.25	0.25	O/R
MOR0060035	6.00	13.00	3.50	0.25	0.25	1.70
MOR0060040	6.00	14.00	4.00	O/R	O/R	1.60
MOR0060045	6.00	15.00	4.50	O/R	O/R	2.25
MOR0060050	6.00	16.00	5.00	0.40	0.50	2.55
MOR0060052	6.00	16.40	5.20	0.85	0.95	O/R
MOR0060060	6.00	18.00	6.00	O/R	O/R	4.50
MOR0060013	6.07	8.67	1.30	O/R	O/R	0.60
MOR0061016	6.10	9.30	1.60	0.10	0.10	0.55
MOR0061055	6.10	17.10	5.50	0.85	0.95	O/R
MOR0062010	6.20	8.20	1.00	0.10	0.15	0.55
MOR0062016	6.20	9.40	1.60	O/R	O/R	0.60
MOR0062018	6.20	9.80	1.80	0.10	0.15	0.65
MOR0062041	6.20	14.40	4.10	0.40	0.50	O/R
MOR0063018	6.30	9.90	1.80	0.10	0.15	0.65
MOR0063020	6.30	10.30	2.00	0.10	0.15	O/R
MOR0063024	6.30	11.10	2.40	0.15	0.15	0.95
MOR0063025	6.30	11.30	2.50	0.15	0.20	O/R
MOR0063016	6.35	9.55	1.60	0.10	0.15	O/R
MOR0063025-1	6.35	11.35	2.50	0.15	0.20	1.10
MOR0064018	6.40	10.00	1.80	O/R	O/R	0.65
MOR0064019	6.40	10.20	1.90	0.10	0.15	0.55
MOR0064025	6.40	11.40	2.50	0.15	0.20	1.10
MOR0065010	6.50	8.50	1.00	0.10	0.15	0.55
MOR0065011	6.50	8.70	1.10	0.10	0.15	O/R
MOR0065015	6.50	9.50	1.50	0.10	0.10	0.60
MOR0065016	6.50	9.70	1.60	0.10	0.15	O/R
MOR0065019	6.50	10.30	1.90	0.10	0.15	0.60
MOR0065020	6.50	10.50	2.00	0.10	0.15	0.70
MOR0065022	6.50	10.90	2.20	0.15	0.20	O/R
MOR0065025	6.50	11.50	2.50	0.15	0.20	1.10
MOR0065030	6.50	12.50	3.00	0.20	0.20	1.30
MOR0065040	6.50	14.50	4.00	0.25	0.30	O/R
MOR0065010-1	6.55	8.55	1.00	O/R	0.15	O/R
MOR0065011-1	6.55	8.75	1.10	O/R	0.15	O/R
MOR0065037	6.55	13.95	3.70	O/R	O/R	1.70
MOR0066023	6.60	11.20	2.30	0.15	0.20	O/R
MOR0066024	6.60	11.40	2.40	0.15	0.20	1.05
MOR0067016	6.70	9.90	1.60	O/R	O/R	0.65
MOR0067016-1	6.70	10.00	1.65	0.10	0.10	O/R
MOR0067018	6.70	10.30	1.80	0.10	0.15	0.70
MOR0067020	6.70	10.70	2.00	0.10	0.15	O/R
MOR0068013	6.80	9.40	1.30	0.10	0.15	O/R
MOR0068019	6.80	10.60	1.90	0.10	0.15	0.60
MOR0068020	6.80	10.80	2.00	0.10	0.15	O/R
MOR0068024	6.80	11.60	2.40	0.15	0.20	1.05
MOR0069018	6.90	10.50	1.80	0.10	0.15	0.70
MOR0070010	7.00	9.00	1.00	0.10	0.10	0.60

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0070012	7.00	9.40	1.20	0.10	0.15	0.60
MOR0070013	7.00	9.60	1.30	O/R	O/R	0.65
MOR0070013-1	7.00	9.70	1.35	0.10	0.15	O/R
MOR0070014	7.00	9.80	1.40	0.10	0.15	O/R
MOR0070015	7.00	10.00	1.50	0.10	0.10	0.55
MOR0070016	7.00	10.20	1.60	0.10	0.15	0.65
MOR0070017	7.00	10.40	1.70	O/R	O/R	0.65
MOR0070018	7.00	10.60	1.80	0.10	0.15	0.70
MOR0070020	7.00	11.00	2.00	0.10	0.10	0.90
MOR0070025	7.00	12.00	2.50	0.15	0.15	1.00
MOR0070030	7.00	13.00	3.00	0.15	0.20	1.20
MOR0070032	7.00	13.40	3.20	0.25	0.30	O/R
MOR0070035	7.00	14.00	3.50	0.25	0.30	O/R
MOR0070040	7.00	15.00	4.00	0.25	0.30	1.70
MOR0070050	7.00	17.00	5.00	0.40	0.50	2.80
MOR0070060	7.00	19.00	6.00	O/R	O/R	4.55
MOR0071015	7.10	10.10	1.50	0.10	0.15	O/R
MOR0071016	7.10	10.30	1.60	0.10	0.10	0.60
MOR0071018	7.10	10.70	1.80	0.10	0.15	0.70
MOR0072012	7.20	9.60	1.20	O/R	O/R	0.60
MOR0072013	7.20	9.80	1.30	0.10	0.15	O/R
MOR0072015	7.20	10.20	1.50	0.10	0.15	O/R
MOR0072019	7.20	11.00	1.90	0.10	0.10	0.65
MOR0072022	7.20	11.60	2.20	0.15	0.20	O/R
MOR0073012	7.30	9.70	1.20	0.10	0.15	O/R
MOR0073022	7.30	11.70	2.20	0.15	0.20	O/R
MOR0073024	7.30	12.10	2.40	0.15	0.15	1.00
MOR0073027	7.30	12.70	2.70	0.20	0.20	O/R
MOR0074020	7.40	11.40	2.00	0.10	0.15	1.00
MOR0074021	7.40	11.60	2.10	0.15	0.20	O/R
MOR0075010	7.50	9.50	1.00	0.10	0.15	0.60
MOR0075013	7.50	10.10	1.30	0.10	0.15	O/R
MOR0075015	7.50	10.50	1.50	0.10	0.10	0.65
MOR0075016	7.50	10.70	1.60	0.10	0.15	O/R
MOR0075018	7.50	11.10	1.80	0.10	0.15	0.90
MOR0075019	7.50	11.30	1.90	0.10	0.15	O/R
MOR0075020	7.50	11.50	2.00	0.10	0.10	1.00
MOR0075022	7.50	11.90	2.20	0.15	0.20	O/R
MOR0075024	7.50	12.30	2.40	O/R	O/R	1.10
MOR0075025	7.50	12.50	2.50	0.15	0.20	1.10
MOR0075030	7.50	13.50	3.00	O/R	O/R	1.40
MOR0075035	7.50	14.50	3.50	0.25	0.30	O/R
MOR0076012	7.60	10.00	1.20	0.10	0.15	O/R
MOR0076013	7.60	10.20	1.30	0.10	0.15	O/R
MOR0076016	7.60	10.80	1.60	0.10	0.15	O/R
MOR0076018	7.60	11.20	1.80	0.10	0.15	0.90
MOR0076020	7.60	11.60	2.00	0.10	0.15	O/R
MOR0076023	7.60	12.20	2.30	0.15	0.20	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0076024	7.60	12.40	2.40	0.15	0.15	1.00
MOR0076040	7.60	15.60	4.00	0.25	0.30	O/R
MOR0076026-2	7.65	12.95	2.65	0.20	0.20	O/R
MOR0076024-1	7.66	12.46	2.40	O/R	0.20	O/R
MOR0077015	7.70	10.70	1.50	0.10	0.15	O/R
MOR0078012	7.80	10.30	1.25	0.10	0.15	O/R
MOR0078036	7.80	15.00	3.60	O/R	O/R	1.50
MOR0078050	7.80	17.80	5.00	0.40	0.50	O/R
MOR0079016	7.90	11.10	1.60	0.10	0.15	O/R
MOR0079019	7.90	11.70	1.90	0.10	0.15	O/R
MOR0079021	7.90	12.10	2.10	0.15	0.20	O/R
MOR0079025	7.90	12.90	2.50	0.15	0.20	1.10
MOR0080010	8.00	10.00	1.00	0.10	0.10	0.55
MOR0080011	8.00	10.20	1.10	0.10	0.15	O/R
MOR0080012	8.00	10.50	1.25	0.10	0.15	0.70
MOR0080013	8.00	10.60	1.30	0.10	0.15	O/R
MOR0080015	8.00	11.00	1.50	0.10	0.10	0.60
MOR0080016	8.00	11.20	1.60	0.10	0.15	0.70
MOR0080017	8.00	11.40	1.70	O/R	O/R	0.70
MOR0080017-1	8.00	11.50	1.75	0.10	0.15	O/R
MOR0080018	8.00	11.60	1.80	0.10	0.15	0.90
MOR0080019	8.00	11.80	1.90	0.10	0.15	0.65
MOR0080020	8.00	12.00	2.00	0.10	0.10	0.95
MOR0080021	8.00	12.20	2.10	0.15	0.20	O/R
MOR0080022	8.00	12.40	2.20	0.15	0.20	O/R
MOR0080024	8.00	12.80	2.40	0.15	0.20	1.15
MOR0080025	8.00	13.00	2.50	0.15	0.15	1.00
MOR0080026	8.00	13.20	2.60	0.20	0.20	O/R
MOR0080030	8.00	14.00	3.00	0.15	0.20	1.25
MOR0080035	8.00	15.00	3.50	0.25	0.30	1.70
MOR0080037	8.00	15.40	3.70	0.25	0.30	O/R
MOR0080040	8.00	16.00	4.00	0.25	0.30	1.70
MOR0080045	8.00	17.00	4.50	O/R	O/R	2.45
MOR0080050	8.00	18.00	5.00	0.40	0.50	2.90
MOR0080060	8.00	20.00	6.00	O/R	O/R	4.65
MOR0080010-1	8.04	10.04	1.00	0.10	0.15	0.65
MOR0081016	8.10	11.30	1.60	0.10	0.10	0.60
MOR0082015	8.20	11.20	1.50	0.10	0.15	O/R
MOR0082016	8.20	11.50	1.65	0.10	0.15	O/R
MOR0083010	8.30	10.30	1.00	0.10	0.15	O/R
MOR0083024	8.30	13.10	2.40	0.15	0.15	1.05
MOR0084022	8.40	12.80	2.20	0.15	0.20	O/R
MOR0084025	8.40	13.40	2.50	0.15	0.20	O/R
MOR0085010	8.50	10.50	1.00	0.10	0.15	0.65
MOR0085013	8.50	11.20	1.35	0.10	0.15	O/R
MOR0085015	8.50	11.50	1.50	0.10	0.10	0.70
MOR0085018	8.50	12.10	1.80	O/R	O/R	0.75
MOR0085019	8.50	12.30	1.90	0.10	0.15	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0085020	8.50	12.50	2.00	0.10	0.10	1.00
MOR0085025	8.50	13.50	2.50	0.15	0.20	1.15
MOR0085030	8.50	14.50	3.00	O/R	O/R	1.45
MOR0085035	8.50	15.50	3.50	0.25	0.30	O/R
MOR0085021	8.55	12.75	2.10	0.15	0.20	O/R
MOR0086018	8.60	12.20	1.80	O/R	O/R	0.75
MOR0086024	8.60	13.40	2.40	0.15	0.20	1.05
MOR0087016	8.70	11.90	1.60	O/R	O/R	0.70
MOR0087018	8.76	12.36	1.80	0.10	0.15	0.75
MOR0088019	8.80	12.60	1.90	0.10	0.20	0.90
MOR0088024	8.80	13.60	2.40	0.15	0.20	1.15
MOR0088032	8.80	15.20	3.20	0.25	0.30	O/R
MOR0089013	8.90	11.50	1.30	0.10	0.15	O/R
MOR0089016	8.90	12.10	1.60	0.10	0.15	O/R
MOR0089018	8.90	12.50	1.80	0.10	0.15	O/R
MOR0089019	8.90	12.70	1.90	0.10	0.15	0.65
MOR0089027	8.90	14.30	2.70	0.20	0.20	1.20
MOR0090010	9.00	11.00	1.00	0.10	0.10	0.55
MOR0090012	9.00	11.40	1.20	0.10	0.15	0.65
MOR0090013	9.00	11.60	1.30	0.10	0.15	O/R
MOR0090014	9.00	11.80	1.40	0.10	0.15	O/R
MOR0090015	9.00	12.00	1.50	0.10	0.10	0.60
MOR0090015-1	9.00	12.10	1.55	0.10	0.15	O/R
MOR0090016	9.00	12.20	1.60	0.10	0.15	0.70
MOR0090017	9.00	12.40	1.70	0.10	0.15	O/R
MOR0090018	9.00	12.60	1.80	0.10	0.15	0.90
MOR0090020	9.00	13.00	2.00	0.10	0.10	0.95
MOR0090022	9.00	13.40	2.20	0.15	0.20	1.20
MOR0090022-1	9.00	13.50	2.25	0.15	0.20	O/R
MOR0090025	9.00	14.00	2.50	0.15	0.15	1.05
MOR0090029	9.00	14.80	2.90	0.20	0.20	O/R
MOR0090030	9.00	15.00	3.00	0.15	0.20	1.35
MOR0090032	9.00	15.40	3.20	O/R	O/R	1.75
MOR0090032-1	9.00	15.50	3.25	O/R	O/R	1.75
MOR0090035	9.00	16.00	3.50	0.25	0.30	1.75
MOR0090040	9.00	17.00	4.00	0.25	0.30	1.95
MOR0090045	9.00	18.00	4.50	0.40	0.50	O/R
MOR0090050	9.00	19.00	5.00	O/R	O/R	3.00
MOR0090060	9.00	21.00	6.00	0.85	0.95	4.75
MOR0091016	9.10	12.30	1.60	0.10	0.10	0.60
MOR0091016-1	9.10	12.40	1.65	0.10	0.15	O/R
MOR0091078	9.10	24.80	7.85	O/R	O/R	13.20
MOR0091024	9.15	13.95	2.40	O/R	O/R	1.20
MOR0091030	9.15	15.15	3.00	0.20	0.20	O/R
MOR0092035	9.20	16.20	3.50	O/R	O/R	1.80
MOR0092018	9.25	12.95	1.85	0.10	0.15	O/R
MOR0092020	9.25	13.25	2.00	0.10	0.15	O/R
MOR0093015	9.30	12.30	1.50	0.10	0.15	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0093020	9.30	13.30	2.00	0.10	0.15	O/R
MOR0093024	9.30	14.10	2.40	0.15	0.15	1.05
MOR0093027	9.30	14.70	2.70	0.20	0.20	O/R
MOR0094019	9.40	13.20	1.90	O/R	O/R	1.05
MOR0094031	9.40	15.60	3.10	0.25	0.30	O/R
MOR0095010	9.50	11.50	1.00	0.10	0.15	0.65
MOR0095014	9.50	12.30	1.40	0.10	0.15	O/R
MOR0095015	9.50	12.50	1.50	0.10	0.10	0.70
MOR0095016	9.50	12.70	1.60	0.10	0.15	0.90
MOR0095018	9.50	13.10	1.80	0.10	0.15	0.95
MOR0095019	9.50	13.30	1.90	O/R	O/R	1.05
MOR0095020	9.50	13.50	2.00	0.10	0.15	1.05
MOR0095021	9.50	13.70	2.10	0.15	0.20	O/R
MOR0095025	9.50	14.50	2.50	0.15	0.20	1.20
MOR0095028	9.50	15.10	2.80	0.20	0.20	O/R
MOR0095030	9.50	15.50	3.00	0.20	0.20	1.55
MOR0095035	9.50	16.50	3.50	0.25	0.30	O/R
MOR0095042	9.50	17.90	4.20	0.40	0.50	O/R
MOR0095045	9.50	18.50	4.50	O/R	O/R	2.55
MOR0096012	9.60	12.00	1.20	0.10	0.15	O/R
MOR0096023	9.60	14.20	2.30	0.15	0.20	O/R
MOR0096024	9.60	14.40	2.40	0.15	0.20	1.20
MOR0097010	9.70	11.70	1.00	0.10	0.15	O/R
MOR0097016	9.70	12.90	1.60	O/R	O/R	0.90
MOR0098010	9.80	11.80	1.00	0.10	0.15	O/R
MOR0098014	9.80	12.60	1.40	O/R	O/R	0.90
MOR0098019	9.80	13.60	1.90	0.10	0.20	1.05
MOR0098022	9.80	14.20	2.20	0.15	0.20	O/R
MOR0098024	9.80	14.60	2.40	0.15	0.25	1.20
MOR0098014-1	9.85	12.65	1.40	0.10	0.15	O/R
MOR0099018	9.90	13.50	1.80	0.10	0.15	O/R
MOR0099019	9.90	13.70	1.90	0.10	0.15	O/R
MOR0099024	9.90	14.70	2.40	0.15	0.20	O/R
MOR0100010	10.00	12.00	1.00	0.10	0.10	0.60
MOR0100012	10.00	12.40	1.20	0.10	0.15	O/R
MOR0100013	10.00	12.60	1.30	0.10	0.15	0.90
MOR0100014	10.00	12.80	1.40	0.10	0.15	O/R
MOR0100015	10.00	13.00	1.50	0.10	0.10	0.65
MOR0100016	10.00	13.20	1.60	O/R	O/R	0.65
MOR0100018	10.00	13.60	1.80	0.10	0.15	0.95
MOR0100020	10.00	14.00	2.00	0.10	0.10	0.95
MOR0100021	10.00	14.20	2.10	0.15	0.20	O/R
MOR0100022	10.00	14.40	2.20	0.15	0.20	1.20
MOR0100025	10.00	15.00	2.50	0.15	0.15	1.10
MOR0100026	10.00	15.20	2.60	O/R	O/R	1.35
MOR0100026-1	10.00	15.30	2.65	0.20	0.20	O/R
MOR0100027	10.00	15.40	2.70	0.20	0.20	1.40
MOR0100030	10.00	16.00	3.00	0.15	0.20	1.40
MOR0100032	10.00	16.40	3.20	O/R	O/R	1.80
MOR0100033	10.00	16.60	3.30	0.25	0.30	O/R
MOR0100035	10.00	17.00	3.50	0.25	0.30	1.80
MOR0100040	10.00	18.00	4.00	0.25	0.25	2.00
MOR0100045	10.00	19.00	4.50	0.40	0.50	2.65
MOR0100050	10.00	20.00	5.00	0.30	0.35	O/R
MOR0100060	10.00	22.00	6.00	0.85	0.95	4.90
MOR0100065	10.00	23.00	6.50	1.35	1.55	O/R
MOR0100080	10.00	26.00	8.00	1.75	2.00	O/R
MOR0100100	10.00	30.00	10.00	5.95	6.80	O/R
MOR0101010	10.10	12.10	1.00	0.15	0.15	O/R
MOR0101016	10.10	13.30	1.60	0.10	0.10	O/R
MOR0101017	10.10	13.60	1.75	0.15	0.15	O/R
MOR0102025	10.20	15.20	2.50	0.20	0.20	O/R
MOR0102030	10.25	16.25	3.00	0.25	0.25	O/R
MOR0103012	10.30	12.70	1.20	0.15	0.15	O/R
MOR0103024	10.30	15.10	2.40	0.15	0.20	1.10
MOR0103034	10.30	17.10	3.40	0.30	0.35	O/R
MOR0104010	10.40	12.40	1.00	0.15	0.15	0.70
MOR0104025	10.40	15.40	2.50	0.20	0.20	O/R
MOR0104020	10.45	14.45	2.00	0.15	0.15	O/R
MOR0105010	10.50	12.50	1.00	0.15	0.15	0.70
MOR0105013	10.50	13.10	1.30	0.15	0.15	O/R
MOR0105015	10.50	13.50	1.50	0.15	0.15	0.95
MOR0105018	10.50	14.10	1.80	O/R	O/R	1.00
MOR0105020	10.50	14.50	2.00	0.10	0.10	1.05
MOR0105022	10.50	15.00	2.25	0.20	0.20	O/R
MOR0105024	10.50	15.30	2.40	O/R	O/R	1.20
MOR0105025	10.50	15.50	2.50	0.20	0.20	1.25
MOR0105027	10.50	15.90	2.70	0.25	0.25	1.25
MOR0105030	10.50	16.50	3.00	0.25	0.25	1.65
MOR0105045	10.50	19.50	4.50	O/R	O/R	2.70
MOR0106010	10.60	12.60	1.00	0.15	0.15	O/R
MOR0106018	10.60	14.20	1.80	O/R	O/R	1.00
MOR0106023	10.60	15.20	2.30	0.20	0.20	O/R
MOR0106024	10.60	15.40	2.40	0.20	0.20	1.20
MOR0107011	10.70	12.90	1.10	0.15	0.15	0.90
MOR0107029	10.77	16.67	2.95	0.25	0.25	O/R
MOR0108012	10.80	13.20	1.20	0.15	0.15	O/R
MOR0108015	10.80	13.80	1.50	0.15	0.15	O/R
MOR0108016	10.80	14.00	1.60	0.15	0.15	O/R
MOR0108017	10.80	14.20	1.70	0.15	0.15	O/R
MOR0108018	10.80	14.40	1.80	0.10	0.15	1.00
MOR0108020	10.80	14.80	2.00	0.15	0.15	1.10
MOR0108024	10.80	15.60	2.40	0.20	0.25	1.20
MOR0108026	10.80	16.00	2.60	O/R	O/R	1.40
MOR0108026-1	10.80	16.10	2.65	0.25	0.25	O/R
MOR0108027	10.80	16.30	2.75	0.25	0.25	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0109012	10.90	13.40	1.25	0.15	0.15	O/R
MOR0110010	11.00	13.00	1.00	0.10	0.10	0.65
MOR0110012	11.00	13.40	1.20	0.15	0.15	O/R
MOR0110013	11.00	13.60	1.30	0.15	0.15	0.95
MOR0110015	11.00	14.00	1.50	0.10	0.10	0.70
MOR0110016	11.00	14.20	1.60	O/R	O/R	0.70
MOR0110018	11.00	14.60	1.80	O/R	O/R	1.00
MOR0110019	11.00	14.80	1.90	0.15	0.15	O/R
MOR0110020	11.00	15.00	2.00	0.10	0.10	1.00
MOR0110022	11.00	15.50	2.25	0.20	0.20	O/R
MOR0110025	11.00	16.00	2.50	0.15	0.20	1.20
MOR0110027	11.00	16.50	2.75	0.25	0.25	O/R
MOR0110030	11.00	17.00	3.00	0.25	0.25	1.45
MOR0110034	11.00	17.80	3.40	0.30	0.35	1.85
MOR0110035	11.00	18.00	3.50	0.30	0.35	1.85
MOR0110040	11.00	19.00	4.00	0.30	0.35	2.25
MOR0110045	11.00	20.00	4.50	O/R	O/R	2.75
MOR0110050	11.00	21.00	5.00	O/R	O/R	3.25
MOR0110060	11.00	23.00	6.00	O/R	O/R	5.05
MOR0110070	11.00	25.00	7.00	1.50	1.70	O/R
MOR0110080	11.00	27.00	8.00	2.15	2.45	O/R
MOR0111016	11.10	14.30	1.60	0.10	0.10	O/R
MOR0111013	11.15	13.75	1.30	0.15	O/R	O/R
MOR0111015	11.15	14.15	1.50	0.10	O/R	O/R
MOR0112018	11.20	14.80	1.80	0.15	0.15	1.00
MOR0112019	11.20	15.00	1.90	0.15	0.15	O/R
MOR0112025	11.20	16.20	2.50	O/R	O/R	1.35
MOR0112026	11.20	16.50	2.65	O/R	O/R	1.40
MOR0113012	11.30	13.70	1.20	0.15	0.15	O/R
MOR0113024	11.30	16.10	2.40	0.15	0.20	1.15
MOR0114028	11.40	17.00	2.80	0.25	0.25	O/R
MOR0115010	11.50	13.50	1.00	O/R	O/R	0.90
MOR0115012	11.50	14.00	1.25	0.15	0.15	O/R
MOR0115013	11.50	14.10	1.30	O/R	0.15	O/R
MOR0115015	11.50	14.50	1.50	O/R	0.10	0.95
MOR0115016	11.50	14.70	1.60	0.15	0.15	O/R
MOR0115018	11.50	15.10	1.80	O/R	O/R	1.00
MOR0115020	11.50	15.50	2.00	0.15	0.15	1.10
MOR0115021	11.50	15.70	2.10	0.20	0.20	O/R
MOR0115022	11.50	15.90	2.20	0.20	0.20	O/R
MOR0115024	11.50	16.30	2.40	0.20	0.20	1.30
MOR0115025	11.50	16.50	2.50	0.20	0.20	1.35
MOR0115026	11.50	16.70	2.60	0.25	0.25	O/R
MOR0115028	11.50	17.10	2.80	0.25	0.25	O/R
MOR0115030	11.50	17.50	3.00	0.25	0.25	1.70
MOR0116012	11.60	14.00	1.20	0.15	0.15	O/R
MOR0116016	11.60	14.80	1.60	0.15	0.15	O/R
MOR0116019	11.60	15.40	1.90	0.15	0.15	O/R
MOR0116023	11.60	16.20	2.30	0.20	0.20	O/R
MOR0116024	11.60	16.40	2.40	0.20	0.20	1.15
MOR0116028	11.60	17.20	2.80	0.25	0.25	O/R
MOR0116029	11.60	17.40	2.90	0.25	0.25	1.70
MOR0116063	11.60	24.30	6.35	1.50	1.70	O/R
MOR0116013	11.63	14.33	1.35	O/R	O/R	1.00
MOR0116015	11.65	14.65	1.50	0.15	O/R	1.00
MOR0116018	11.65	15.35	1.85	O/R	0.15	O/R
MOR0117020	11.70	15.70	2.00	0.15	0.15	O/R
MOR0118015	11.80	14.80	1.50	0.15	0.15	O/R
MOR0118018	11.80	15.40	1.80	O/R	O/R	1.00
MOR0118019	11.80	15.60	1.90	0.15	0.15	O/R
MOR0118020	11.80	15.80	2.00	O/R	O/R	1.15
MOR0118024	11.80	16.60	2.40	0.20	0.40	1.30
MOR0118026-1	11.80	17.10	2.65	0.25	0.25	O/R
MOR0120010	12.00	14.00	1.00	0.10	0.10	0.70
MOR0120012	12.00	14.40	1.20	0.15	0.15	0.95
MOR0120015	12.00	15.00	1.50	0.10	0.10	0.90
MOR0120017	12.00	15.40	1.70	0.15	0.15	1.00
MOR0120019	12.00	15.80	1.90	O/R	O/R	1.15
MOR0120020	12.00	16.00	2.00	0.10	0.10	1.05
MOR0120022	12.00	16.40	2.20	0.20	0.20	O/R
MOR0120022-1	12.00	16.50	2.25	0.20	0.20	O/R
MOR0120025	12.00	17.00	2.50	0.15	0.20	1.25
MOR0120030	12.00	18.00	3.00	0.20	0.20	1.50
MOR0120032	12.00	18.40	3.20	0.30	0.35	O/R
MOR0120035	12.00	19.00	3.50	0.30	0.35	1.90
MOR0120040	12.00	20.00	4.00	0.30	0.35	2.00
MOR0120045	12.00	21.00	4.50	0.50	0.55	2.90
MOR0120050	12.00	22.00	5.00	0.50	0.55	3.45
MOR0120055	12.00	23.00	5.50	0.90	1.05	O/R
MOR0120060	12.00	24.00	6.00	O/R	O/R	5.20
MOR0120070	12.00	26.00	7.00	1.50	1.70	O/R
MOR0120080	12.00	28.00	8.00	O/R	O/R	13.20
MOR0121014	12.10	15.00	1.45	0.15	0.15	O/R
MOR0121016	12.10	15.30	1.60	0.10	0.10	0.90
MOR0121017	12.10	15.50	1.70	O/R	O/R	1.00
MOR0121019	12.10	15.90	1.90	0.15	0.15	O/R
MOR0121027	12.10	17.50	2.70	0.25	0.25	1.30
MOR0121036	12.16	19.36	3.60	0.35	O/R	O/R
MOR0121010	12.19	14.19	1.00	0.15	0.15	O/R
MOR0122016	12.20	15.40	1.60	O/R	O/R	1.00
MOR0122019	12.20	16.00	1.90	0.15	0.15	1.15
MOR0122025	12.20	17.20	2.50	0.20	0.20	O/R
MOR0123019	12.30	16.10	1.90	O/R	O/R	1.15
MOR0123021	12.30	16.50	2.10	0.20	0.20	O/R
MOR0123024	12.30	17.10	2.40	0.15	0.40	1.20
MOR0123034	12.30	19.10	3.40	O/R	O/R	1.95

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0123042	12.30	20.70	4.20	0.50	0.55	O/R
MOR0124010	12.40	14.40	1.00	0.15	0.15	O/R
MOR0124020	12.40	16.40	2.00	0.15	0.15	1.20
MOR0124026	12.40	17.60	2.60	O/R	O/R	1.50
MOR0124035	12.40	19.40	3.50	O/R	O/R	1.95
MOR0125010	12.50	14.50	1.00	0.15	0.15	0.95
MOR0125011	12.50	14.70	1.10	0.15	0.15	O/R
MOR0125015	12.50	15.50	1.50	0.10	0.10	1.00
MOR0125016	12.50	15.70	1.60	0.15	0.15	O/R
MOR0125018	12.50	16.10	1.80	0.15	0.15	1.10
MOR0125020	12.50	16.50	2.00	0.15	0.15	1.20
MOR0125024	12.50	17.30	2.40	O/R	O/R	1.35
MOR0125025	12.50	17.50	2.50	0.20	0.20	1.40
MOR0125030	12.50	18.50	3.00	0.25	0.25	1.75
MOR0125035	12.50	19.50	3.50	0.30	0.35	O/R
MOR0126024	12.60	17.40	2.40	0.15	0.20	1.35
MOR0126026	12.60	17.80	2.60	0.25	0.25	O/R
MOR0126032	12.60	19.10	3.25	O/R	O/R	1.90
MOR0126036	12.60	19.80	3.60	O/R	0.40	O/R
MOR0128016	12.80	16.00	1.60	0.15	0.15	O/R
MOR0128024	12.80	17.60	2.40	0.20	0.20	1.35
MOR0130010	13.00	15.00	1.00	0.10	0.10	0.90
MOR0130012	13.00	15.40	1.20	0.15	0.15	O/R
MOR0130012-1	13.00	15.50	1.25	0.15	0.15	O/R
MOR0130013	13.00	15.60	1.30	O/R	O/R	1.00
MOR0130014	13.00	15.80	1.40	0.15	0.15	O/R
MOR0130015	13.00	16.00	1.50	0.10	0.10	0.95
MOR0130015-1	13.00	16.10	1.55	0.15	0.15	O/R
MOR0130016	13.00	16.20	1.60	O/R	O/R	1.05
MOR0130020	13.00	17.00	2.00	0.10	0.10	1.10
MOR0130022	13.00	17.40	2.20	0.20	0.20	O/R
MOR0130025	13.00	18.00	2.50	0.15	0.20	1.25
MOR0130026	13.00	18.20	2.60	0.25	0.25	1.50
MOR0130030	13.00	19.00	3.00	0.20	0.20	1.55
MOR0130035	13.00	20.00	3.50	0.30	0.35	2.00
MOR0130040	13.00	21.00	4.00	0.35	0.40	2.50
MOR0130045	13.00	22.00	4.50	0.50	0.55	3.10
MOR0130050	13.00	23.00	5.00	0.50	0.55	4.45
MOR0130060	13.00	25.00	6.00	0.90	1.05	5.45
MOR0131016	13.10	16.30	1.60	0.15	0.15	0.95
MOR0131030	13.15	19.15	3.00	O/R	O/R	1.80
MOR0132016	13.20	16.40	1.60	0.20	0.20	O/R
MOR0132018	13.20	16.80	1.80	0.20	0.20	1.10
MOR0132019	13.20	17.00	1.90	O/R	O/R	1.20
MOR0132025	13.20	18.20	2.50	0.25	0.25	O/R
MOR0133018	13.30	16.90	1.80	0.20	0.20	O/R
MOR0133024	13.30	18.10	2.40	0.20	0.20	1.25
MOR0133018-1	13.34	16.94	1.80	0.20	0.20	1.10

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0134019	13.40	17.20	1.90	0.20	0.20	O/R
MOR0134027	13.40	18.80	2.70	0.25	0.25	O/R
MOR0134028	13.40	19.00	2.80	0.25	0.25	O/R
MOR0134021	13.44	17.64	2.10	0.25	0.25	O/R
MOR0134025	13.44	18.44	2.50	0.25	0.25	O/R
MOR0135010	13.50	15.50	1.00	0.20	0.20	1.00
MOR0135015	13.50	16.50	1.50	0.20	0.20	1.05
MOR0135020	13.50	17.50	2.00	0.20	0.20	1.25
MOR0135024	13.50	18.30	2.40	0.25	0.25	1.45
MOR0135025	13.50	18.50	2.50	0.25	0.25	1.45
MOR0135027	13.50	19.00	2.75	0.25	0.25	1.80
MOR0135030	13.50	19.50	3.00	0.25	0.25	O/R
MOR0135042	13.50	22.00	4.25	0.55	0.65	O/R
MOR0136020	13.60	17.60	2.00	0.20	0.20	1.25
MOR0136023	13.60	18.20	2.30	0.25	0.25	O/R
MOR0136023-1	13.60	18.30	2.35	O/R	O/R	1.45
MOR0136024	13.60	18.40	2.40	0.20	0.20	1.45
MOR0136025	13.60	18.60	2.50	O/R	O/R	1.45
MOR0136027	13.60	19.00	2.70	0.20	0.20	1.40
MOR0136028	13.60	19.20	2.80	0.25	0.25	1.80
MOR0136030	13.60	19.60	3.00	O/R	O/R	1.80
MOR0136036	13.60	20.80	3.60	0.45	0.50	O/R
MOR0138020	13.80	17.80	2.00	0.20	0.20	O/R
MOR0138024	13.80	18.60	2.40	0.25	0.45	1.45
MOR0138030	13.80	19.80	3.00	0.25	0.25	O/R
MOR0139036	13.94	21.14	3.60	0.45	0.50	O/R
MOR0140010	14.00	16.00	1.00	0.15	0.15	0.95
MOR0140012	14.00	16.40	1.20	0.20	0.20	O/R
MOR0140012-1	14.00	16.50	1.25	0.20	0.20	O/R
MOR0140015	14.00	17.00	1.50	0.15	0.15	1.00
MOR0140016	14.00	17.20	1.60	0.20	0.20	1.10
MOR0140018	14.00	17.60	1.80	O/R	O/R	1.15
MOR0140019	14.00	17.80	1.90	0.20	0.20	O/R
MOR0140020	14.00	18.00	2.00	0.15	0.15	1.15
MOR0140021	14.00	18.20	2.10	0.25	0.25	O/R
MOR0140023	14.00	18.60	2.30	0.25	0.25	O/R
MOR0140024	14.00	18.80	2.40	0.25	0.25	O/R
MOR0140025	14.00	19.00	2.50	0.20	0.20	1.30
MOR0140026	14.00	19.20	2.60	O/R	O/R	1.55
MOR0140026-1	14.00	19.30	2.65	0.25	0.25	1.50
MOR0140027	14.00	19.40	2.70	0.25	0.25	O/R
MOR0140030	14.00	20.00	3.00	0.20	0.20	1.55
MOR0140032	14.00	20.40	3.20	0.35	0.40	O/R
MOR0140033	14.00	20.60	3.30	0.35	0.40	O/R
MOR0140035	14.00	21.00	3.50	0.35	0.40	2.00
MOR0140039	14.00	21.80	3.90	0.45	0.50	O/R
MOR0140040	14.00	22.00	4.00	0.30	0.35	2.65
MOR0140050	14.00	24.00	5.00	0.55	0.65	4.55

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0140060	14.00	26.00	6.00	0.90	1.05	5.65
MOR0140070	14.00	28.00	7.00	1.50	1.70	O/R
MOR0140075	14.00	29.00	7.50	2.15	2.45	O/R
MOR0140080	14.00	30.00	8.00	2.15	2.45	O/R
MOR0141016	14.10	17.30	1.60	0.15	0.15	1.00
MOR0141022	14.10	18.50	2.20	0.25	0.25	O/R
MOR0141024	14.18	18.98	2.40	0.25	O/R	O/R
MOR0142012	14.20	16.60	1.20	0.20	0.20	O/R
MOR0142063	14.29	26.99	6.35	O/R	O/R	8.80
MOR0143024	14.30	19.10	2.40	0.20	0.20	1.30
MOR0144010	14.40	16.40	1.00	O/R	O/R	1.00
MOR0144020	14.40	18.40	2.00	0.20	0.20	1.30
MOR0145010	14.50	16.50	1.00	O/R	O/R	1.00
MOR0145015	14.50	17.50	1.50	O/R	O/R	1.10
MOR0145018	14.50	18.10	1.80	0.20	0.20	O/R
MOR0145020	14.50	18.50	2.00	0.20	0.20	1.30
MOR0145024	14.50	19.30	2.40	O/R	O/R	1.50
MOR0145025	14.50	19.50	2.50	O/R	0.25	1.55
MOR0145030	14.50	20.50	3.00	0.25	0.25	1.80
MOR0145040	14.50	22.50	4.00	O/R	O/R	2.75
MOR0145058	14.50	26.10	5.80	0.90	1.05	O/R
MOR0146023	14.60	19.20	2.30	0.25	0.25	O/R
MOR0146024	14.60	19.40	2.40	0.25	0.25	1.35
MOR0146026	14.60	19.80	2.60	0.25	0.25	O/R
MOR0146020	14.65	18.65	2.00	0.20	0.20	O/R
MOR0148015	14.80	17.80	1.50	0.20	0.20	O/R
MOR0148024	14.80	19.60	2.40	O/R	0.45	1.50
MOR0148015-1	14.85	17.85	1.50	0.20	0.20	O/R
MOR0149020	14.90	18.90	2.00	O/R	O/R	1.35
MOR0150010	15.00	17.00	1.00	0.15	0.15	0.95
MOR0150015	15.00	18.00	1.50	0.15	0.15	1.00
MOR0150016	15.00	18.20	1.60	0.20	0.20	1.15
MOR0150017	15.00	18.40	1.70	0.20	0.20	O/R
MOR0150018	15.00	18.60	1.80	0.20	0.20	1.20
MOR0150020	15.00	19.00	2.00	0.15	0.15	1.15
MOR0150022	15.00	19.40	2.20	0.25	0.25	O/R
MOR0150024	15.00	19.80	2.40	0.25	0.25	O/R
MOR0150025	15.00	20.00	2.50	0.20	0.20	1.35
MOR0150026	15.00	20.20	2.60	O/R	O/R	1.55
MOR0150026-1	15.00	20.30	2.65	0.25	0.25	1.60
MOR0150029	15.00	20.80	2.90	0.25	0.25	O/R
MOR0150030	15.00	21.00	3.00	0.20	0.20	1.60
MOR0150032	15.00	21.40	3.20	0.35	0.40	1.80
MOR0150032-1	15.00	21.50	3.25	O/R	O/R	2.25
MOR0150035	15.00	22.00	3.50	0.35	0.40	2.20
MOR0150040	15.00	23.00	4.00	0.30	0.35	2.40
MOR0150042	15.00	23.50	4.25	0.55	0.65	O/R
MOR0150045	15.00	24.00	4.50	O/R	O/R	3.35

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0150050	15.00	25.00	5.00	0.45	0.50	4.45
MOR0150060	15.00	27.00	6.00	0.90	1.05	5.80
MOR0150070	15.00	29.00	7.00	1.50	1.70	O/R
MOR0151016	15.10	18.30	1.60	0.15	0.15	1.05
MOR0151027	15.10	20.50	2.70	0.25	0.25	1.50
MOR0152013	15.20	17.80	1.30	0.20	0.20	O/R
MOR0152018	15.20	18.80	1.80	0.20	0.20	O/R
MOR0152040	15.20	23.20	4.00	0.45	0.50	O/R
MOR0153018	15.30	18.90	1.80	O/R	O/R	1.20
MOR0153024	15.30	20.10	2.40	0.20	0.20	1.35
MOR0153030	15.30	21.30	3.00	0.25	0.25	O/R
MOR0154010	15.40	17.40	1.00	0.20	0.20	O/R
MOR0154013	15.40	18.00	1.30	0.20	0.20	O/R
MOR0154015	15.40	18.40	1.50	0.20	0.20	1.15
MOR0154028	15.40	21.00	2.80	0.25	0.25	O/R
MOR0155010	15.50	17.50	1.00	0.20	0.20	1.05
MOR0155012	15.50	18.00	1.25	0.20	0.20	O/R
MOR0155015	15.50	18.50	1.50	0.20	0.20	1.15
MOR0155016	15.50	18.70	1.60	0.20	0.20	O/R
MOR0155020	15.50	19.50	2.00	0.20	0.20	1.35
MOR0155024	15.50	20.30	2.40	0.25	0.25	1.60
MOR0155025	15.50	20.50	2.50	0.25	0.25	1.60
MOR0155030	15.50	21.50	3.00	0.25	0.25	1.80
MOR0155032	15.50	22.00	3.25	0.35	0.40	O/R
MOR0155035	15.50	22.50	3.50	O/R	O/R	2.25
MOR0155038	15.50	23.10	3.80	0.45	0.50	2.90
MOR0155040	15.50	23.50	4.00	O/R	O/R	2.90
MOR0155042	15.50	23.90	4.20	0.55	0.65	O/R
MOR0155045	15.50	24.50	4.50	0.55	0.65	3.45
MOR0156020	15.60	19.60	2.00	0.20	0.20	O/R
MOR0156023	15.60	20.20	2.30	0.25	0.25	1.60
MOR0156024	15.60	20.40	2.40	0.20	0.20	1.40
MOR0156026	15.60	20.80	2.60	O/R	O/R	1.55
MOR0156030	15.60	21.60	3.00	0.25	0.25	O/R
MOR0156034	15.60	22.40	3.40	0.35	0.40	O/R
MOR0158010	15.80	17.80	1.00	0.20	0.20	O/R
MOR0158014	15.80	18.60	1.40	0.20	0.20	O/R
MOR0158024	15.80	20.60	2.40	0.25	0.45	1.60
MOR0159014	15.90	18.80	1.45	0.20	0.20	O/R
MOR0159027	15.90	21.30	2.70	0.25	0.25	O/R
MOR0160010	16.00	18.00	1.00	0.15	0.15	1.05
MOR0160011	16.00	18.20	1.10	0.20	0.20	O/R
MOR0160012	16.00	18.50	1.25	0.20	0.20	1.15
MOR0160015	16.00	19.00	1.50	0.15	0.15	1.05
MOR0160016	16.00	19.20	1.60	O/R	O/R	1.20
MOR0160018	16.00	19.60	1.80	O/R	O/R	1.25
MOR0160019	16.00	19.80	1.90	0.20	0.20	O/R
MOR0160020	16.00	20.00	2.00	0.15	0.15	1.20

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0160022	16.00	20.40	2.20	0.25	0.25	O/R
MOR0160023	16.00	20.60	2.30	0.25	0.25	O/R
MOR0160025	16.00	21.00	2.50	0.20	0.20	1.40
MOR0160026	16.00	21.30	2.65	0.25	0.25	1.60
MOR0160027	16.00	21.40	2.70	0.25	0.25	O/R
MOR0160030	16.00	22.00	3.00	0.20	0.20	1.60
MOR0160033	16.00	22.60	3.30	0.35	0.40	O/R
MOR0160035	16.00	23.00	3.50	0.35	0.40	2.30
MOR0160035-1	16.00	23.10	3.55	0.35	0.40	O/R
MOR0160040	16.00	24.00	4.00	0.30	0.35	2.90
MOR0160045	16.00	25.00	4.50	0.55	0.65	4.45
MOR0160050	16.00	26.00	5.00	0.55	0.65	4.90
MOR0160055	16.00	27.00	5.50	O/R	O/R	16.85
MOR0160060	16.00	28.00	6.00	0.90	1.05	6.00
MOR0160070	16.00	30.00	7.00	1.50	1.70	O/R
MOR0160080	16.00	32.00	8.00	2.15	2.45	23.55
MOR0160100	16.00	36.00	10.00	O/R	O/R	45.00
MOR0161015	16.10	19.10	1.50	O/R	O/R	1.15
MOR0161016	16.10	19.30	1.60	0.20	0.20	1.10
MOR0161023	16.10	20.70	2.30	0.25	0.25	O/R
MOR0162011	16.20	18.50	1.15	0.20	0.20	O/R
MOR0163024	16.30	21.10	2.40	0.20	0.20	1.40
MOR0163022	16.36	20.76	2.20	O/R	O/R	1.60
MOR0164025	16.40	21.40	2.50	O/R	O/R	1.65
MOR0165010	16.50	18.50	1.00	O/R	O/R	1.10
MOR0165015	16.50	19.50	1.50	0.20	0.20	1.15
MOR0165020	16.50	20.50	2.00	0.20	0.20	1.40
MOR0165025	16.50	21.50	2.50	0.25	0.25	1.65
MOR0165027	16.50	21.90	2.70	O/R	O/R	1.85
MOR0165028	16.50	22.10	2.80	0.25	0.30	O/R
MOR0165030	16.50	22.50	3.00	O/R	O/R	1.85
MOR0166010	16.60	18.60	1.00	O/R	O/R	1.10
MOR0166024	16.60	21.40	2.40	0.25	0.25	1.60
MOR0166011	16.65	18.85	1.10	0.20	0.20	O/R
MOR0167014	16.70	19.60	1.45	0.20	0.20	O/R
MOR0167025	16.70	21.70	2.50	0.25	0.25	1.65
MOR0168013	16.80	19.40	1.30	0.20	0.20	O/R
MOR0168024	16.80	21.60	2.40	0.25	0.45	1.60
MOR0168028	16.80	22.40	2.80	O/R	O/R	1.85
MOR0169027	16.90	22.30	2.70	0.25	0.30	1.55
MOR0170010	17.00	19.00	1.00	0.20	0.20	1.10
MOR0170011	17.00	19.20	1.10	0.20	0.20	O/R
MOR0170012	17.00	19.40	1.20	0.20	0.20	O/R
MOR0170012-1	17.00	19.50	1.25	0.20	0.20	O/R
MOR0170013	17.00	19.60	1.30	0.20	0.20	O/R
MOR0170015	17.00	20.00	1.50	0.15	0.20	1.05
MOR0170016	17.00	20.20	1.60	0.20	0.20	O/R
MOR0170018	17.00	20.60	1.80	O/R	O/R	1.30

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0170020	17.00	21.00	2.00	0.15	0.20	1.25
MOR0170021	17.00	21.20	2.10	0.25	0.25	O/R
MOR0170022	17.00	21.40	2.20	0.25	0.25	O/R
MOR0170025	17.00	22.00	2.50	0.20	0.20	1.45
MOR0170026	17.00	22.30	2.65	O/R	O/R	1.65
MOR0170028	17.00	22.60	2.80	0.25	0.30	O/R
MOR0170030	17.00	23.00	3.00	0.20	0.20	1.65
MOR0170032	17.00	23.50	3.25	0.50	0.55	O/R
MOR0170035	17.00	24.00	3.50	0.50	0.55	2.40
MOR0170038	17.00	24.60	3.80	O/R	O/R	3.00
MOR0170040	17.00	25.00	4.00	0.55	0.65	3.05
MOR0170045	17.00	26.00	4.50	0.85	1.00	4.50
MOR0170050	17.00	27.00	5.00	0.85	1.00	5.05
MOR0170055	17.00	28.00	5.50	O/R	O/R	5.50
MOR0170080	17.00	33.00	8.00	2.50	2.80	O/R
MOR0171013	17.10	19.70	1.30	0.20	0.20	O/R
MOR0171016	17.10	20.30	1.60	0.20	0.20	1.10
MOR0172015	17.20	20.20	1.50	0.20	0.20	1.20
MOR0172030	17.20	23.20	3.00	0.20	0.20	1.65
MOR0172012	17.25	19.65	1.20	0.20	0.20	O/R
MOR0173010	17.30	19.30	1.00	0.20	0.20	O/R
MOR0173022	17.30	21.70	2.20	0.25	0.25	O/R
MOR0173024	17.30	22.10	2.40	0.20	0.20	1.45
MOR0174028	17.40	23.00	2.80	0.25	0.30	O/R
MOR0175010	17.50	19.50	1.00	0.20	0.20	1.10
MOR0175012	17.50	19.90	1.20	0.20	0.20	O/R
MOR0175013	17.50	20.10	1.30	0.20	0.20	O/R
MOR0175015	17.50	20.50	1.50	0.20	0.20	1.20
MOR0175016	17.50	20.70	1.60	O/R	O/R	1.20
MOR0175020	17.50	21.50	2.00	0.20	0.20	1.45
MOR0175024	17.50	22.30	2.40	0.25	0.25	1.65
MOR0175025	17.50	22.50	2.50	0.25	0.25	1.70
MOR0175030	17.50	23.50	3.00	0.25	0.30	1.90
MOR0175035	17.50	24.50	3.50	0.50	0.55	O/R
MOR0176010	17.60	19.60	1.00	0.20	0.20	O/R
MOR0176023	17.60	22.20	2.30	0.25	0.25	O/R
MOR0176024	17.60	22.40	2.40	0.20	0.20	1.45
MOR0177010	17.70	19.70	1.00	0.20	0.20	O/R
MOR0177013	17.70	20.30	1.30	0.20	0.20	O/R
MOR0178015	17.80	20.80	1.50	0.20	0.20	O/R
MOR0178024	17.80	22.60	2.40	0.25	0.45	1.65
MOR0178026	17.80	23.00	2.60	O/R	O/R	1.70
MOR0179026	17.90	23.10	2.60	0.25	0.30	O/R
MOR0180010	18.00	20.00	1.00	0.15	0.20	1.15
MOR0180011	18.00	20.30	1.15	0.20	0.20	O/R
MOR0180012	18.00	20.40	1.20	0.20	0.20	O/R
MOR0180012-1	18.00	20.50	1.25	0.20	0.20	O/R
MOR0180013	18.00	20.60	1.30	0.20	0.20	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0180015	18.00	21.00	1.50	0.15	0.20	1.25
MOR0180016	18.00	21.30	1.65	0.20	0.20	O/R
MOR0180018	18.00	21.60	1.80	0.20	0.20	1.30
MOR0180020	18.00	22.00	2.00	0.15	0.20	1.30
MOR0180022	18.00	22.40	2.20	0.25	0.25	1.70
MOR0180025	18.00	23.00	2.50	0.20	0.20	1.50
MOR0180026	18.00	23.30	2.65	0.25	0.30	1.70
MOR0180028	18.00	23.60	2.80	0.25	0.30	O/R
MOR0180030	18.00	24.00	3.00	0.20	0.20	1.70
MOR0180031	18.00	24.30	3.15	0.50	0.55	O/R
MOR0180032	18.00	24.50	3.25	0.50	0.55	O/R
MOR0180035	18.00	25.00	3.50	0.50	0.55	2.50
MOR0180035-1	18.00	25.10	3.55	O/R	O/R	2.50
MOR0180040	18.00	26.00	4.00	0.45	0.50	2.70
MOR0180045	18.00	27.00	4.50	0.85	1.00	4.55
MOR0180050	18.00	28.00	5.00	0.60	0.65	5.15
MOR0180060	18.00	30.00	6.00	O/R	O/R	6.45
MOR0180070	18.00	32.00	7.00	1.50	1.70	O/R
MOR0180100	18.00	38.00	10.00	5.95	6.80	O/R
MOR0181016	18.10	21.30	1.60	0.15	0.20	1.10
MOR0182017	18.20	21.60	1.70	0.20	0.20	O/R
MOR0182030	18.20	24.20	3.00	0.20	0.20	1.75
MOR0182034	18.20	25.00	3.40	0.50	0.55	O/R
MOR0183024	18.30	23.10	2.40	0.20	0.20	1.50
MOR0183026	18.30	23.50	2.60	0.25	0.30	O/R
MOR0183030	18.30	24.30	3.00	0.25	0.30	O/R
MOR0183036	18.30	25.50	3.60	0.55	0.65	2.35
MOR0184027	18.40	23.80	2.70	0.25	0.30	1.60
MOR0184044	18.45	27.35	4.45	0.85	1.00	O/R
MOR0185010	18.50	20.50	1.00	O/R	O/R	1.15
MOR0185012	18.50	20.90	1.20	0.20	0.20	O/R
MOR0185013	18.50	21.10	1.30	O/R	O/R	1.25
MOR0185015	18.50	21.50	1.50	0.20	0.20	1.25
MOR0185016	18.50	21.70	1.60	O/R	O/R	1.25
MOR0185020	18.50	22.50	2.00	0.20	0.20	1.40
MOR0185025	18.50	23.50	2.50	0.25	0.25	1.75
MOR0185030	18.50	24.50	3.00	0.25	0.30	2.00
MOR0185027	18.55	23.95	2.70	0.25	0.30	O/R
MOR0186013	18.60	21.20	1.30	0.20	0.20	O/R
MOR0186022	18.60	23.00	2.20	0.25	0.25	O/R
MOR0186024	18.60	23.40	2.40	0.20	0.20	1.70
MOR0186027	18.60	24.00	2.70	0.25	0.30	O/R
MOR0186015	18.65	21.65	1.50	O/R	O/R	1.25
MOR0187030	18.70	24.70	3.00	0.25	0.30	2.00
MOR0187012	18.75	21.15	1.20	0.20	0.20	O/R
MOR0187018	18.77	22.47	1.85	0.20	0.20	O/R
MOR0188024	18.80	23.60	2.40	0.25	0.45	1.70
MOR0188030	18.80	24.80	3.00	O/R	O/R	2.00

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0189017	18.90	22.30	1.70	0.20	0.20	O/R
MOR0189030	18.90	24.90	3.00	0.25	0.30	O/R
MOR0190010	19.00	21.00	1.00	0.20	0.20	1.15
MOR0190012	19.00	21.40	1.20	0.20	0.20	O/R
MOR0190012-1	19.00	21.50	1.25	0.20	0.20	O/R
MOR0190013	19.00	21.60	1.30	0.20	0.20	O/R
MOR0190015	19.00	22.00	1.50	0.15	0.20	1.10
MOR0190016	19.00	22.20	1.60	0.20	0.20	1.30
MOR0190017	19.00	22.40	1.70	0.20	0.20	O/R
MOR0190017-1	19.00	22.50	1.75	0.20	0.20	1.25
MOR0190018	19.00	22.60	1.80	0.20	0.20	O/R
MOR0190020	19.00	23.00	2.00	0.15	0.20	1.35
MOR0190024	19.00	23.80	2.40	0.25	0.25	O/R
MOR0190025	19.00	24.00	2.50	0.20	0.20	1.55
MOR0190026	19.00	24.30	2.65	0.25	0.30	1.80
MOR0190030	19.00	25.00	3.00	0.20	0.20	1.75
MOR0190031	19.00	25.30	3.15	O/R	O/R	2.00
MOR0190035	19.00	26.00	3.50	0.50	0.55	2.55
MOR0190035-1	19.00	26.10	3.55	O/R	O/R	2.55
MOR0190040	19.00	27.00	4.00	0.45	0.50	3.15
MOR0190045	19.00	28.00	4.50	0.85	1.00	4.65
MOR0190050	19.00	29.00	5.00	O/R	O/R	5.20
MOR0190055	19.00	30.00	5.50	1.00	1.15	O/R
MOR0190060	19.00	31.00	6.00	1.00	1.15	6.55
MOR0190070	19.00	33.00	7.00	1.50	1.70	O/R
MOR0190120	19.00	43.00	12.00	6.55	7.50	O/R
MOR0190050-1	19.05	29.05	5.00	O/R	O/R	5.20
MOR0191016	19.10	22.30	1.60	0.15	0.20	1.15
MOR0192020	19.20	23.20	2.00	0.20	0.20	O/R
MOR0192025	19.20	24.20	2.50	0.25	0.25	1.80
MOR0192030	19.20	25.20	3.00	0.20	0.20	1.80
MOR0192040	19.20	27.20	4.00	0.55	0.65	O/R
MOR0192045	19.20	28.20	4.50	0.85	O/R	O/R
MOR0193024	19.30	24.10	2.40	0.20	0.20	1.55
MOR0193045	19.30	28.30	4.50	O/R	1.00	O/R
MOR0193046	19.30	28.50	4.60	0.85	1.00	O/R
MOR0193014	19.35	22.25	1.45	0.20	0.20	O/R
MOR0194014	19.40	22.20	1.40	0.20	0.20	O/R
MOR0194024	19.40	24.20	2.40	0.25	0.25	O/R
MOR0194080	19.45	35.45	8.00	2.50	2.80	O/R
MOR0195010	19.50	21.50	1.00	0.20	0.20	1.20
MOR0195015	19.50	22.50	1.50	0.20	0.20	1.30
MOR0195018	19.50	23.10	1.80	0.20	0.20	1.30
MOR0195020	19.50	23.50	2.00	0.20	0.20	1.55
MOR0195024	19.50	24.30	2.40	0.25	0.25	1.75
MOR0195025	19.50	24.50	2.50	0.25	0.25	1.80
MOR0195030	19.50	25.50	3.00	0.20	0.20	2.00
MOR0195035	19.50	26.50	3.50	0.50	0.55	2.60

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0195040	19.50	27.50	4.00	O/R	O/R	3.25
MOR0195041	19.50	27.70	4.10	0.85	1.00	O/R
MOR0195060	19.50	31.50	6.00	O/R	O/R	6.70
MOR0196015	19.60	22.60	1.50	O/R	O/R	1.30
MOR0196023	19.60	24.20	2.30	0.25	0.25	O/R
MOR0196024	19.60	24.40	2.40	0.25	0.25	1.75
MOR0196030	19.60	25.60	3.00	0.25	0.30	O/R
MOR0196032	19.60	26.10	3.25	0.50	0.55	O/R
MOR0196048	19.60	29.20	4.80	0.85	1.00	O/R
MOR0197015	19.70	22.70	1.50	0.20	0.20	O/R
MOR0197017	19.70	23.10	1.70	0.20	0.20	O/R
MOR0197030	19.70	25.70	3.00	O/R	O/R	2.05
MOR0197035	19.70	26.70	3.50	0.50	0.55	O/R
MOR0197036	19.70	26.90	3.60	0.55	0.65	O/R
MOR0197080	19.75	35.75	8.00	2.50	2.80	O/R
MOR0198013	19.80	22.40	1.30	0.20	0.20	1.30
MOR0198024	19.80	24.60	2.40	0.25	0.45	1.75
MOR0198036	19.80	27.00	3.60	0.55	0.65	2.40
MOR0199026	19.90	25.10	2.60	0.25	0.30	O/R
MOR0200010	20.00	22.00	1.00	0.15	0.20	1.20
MOR0200012	20.00	22.40	1.20	0.20	0.20	O/R
MOR0200013	20.00	22.60	1.30	0.20	0.20	1.30
MOR0200013-1	20.00	22.70	1.35	0.20	0.20	O/R
MOR0200014	20.00	22.90	1.45	0.20	0.20	O/R
MOR0200015	20.00	23.00	1.50	0.15	0.20	1.15
MOR0200016	20.00	23.20	1.60	0.20	0.20	O/R
MOR0200020	20.00	24.00	2.00	0.15	0.20	1.35
MOR0200022	20.00	24.40	2.20	0.25	0.25	O/R
MOR0200022-1	20.00	24.50	2.25	0.25	0.25	O/R
MOR0200024	20.00	24.80	2.40	0.25	0.25	O/R
MOR0200025	20.00	25.00	2.50	0.20	0.20	1.55
MOR0200026-1	20.00	25.30	2.65	0.25	0.30	1.80
MOR0200030	20.00	26.00	3.00	0.20	0.20	1.80
MOR0200031	20.00	26.30	3.15	0.50	0.55	2.25
MOR0200035	20.00	27.00	3.50	0.50	0.55	2.65
MOR0200035-1	20.00	27.10	3.55	0.50	0.55	2.60
MOR0200036	20.00	27.20	3.60	0.55	0.65	2.75
MOR0200040	20.00	28.00	4.00	0.45	0.50	3.25
MOR0200043	20.00	28.60	4.30	O/R	O/R	4.75
MOR0200045	20.00	29.00	4.50	0.85	1.00	4.75
MOR0200050	20.00	30.00	5.00	0.60	0.65	4.80
MOR0200055	20.00	31.00	5.50	O/R	O/R	5.90
MOR0200060	20.00	32.00	6.00	O/R	1.15	6.80
MOR0200080	20.00	36.00	8.00	O/R	2.80	13.60
MOR0200100	20.00	40.00	10.00	O/R	6.80	O/R
MOR0201015	20.10	23.10	1.50	O/R	O/R	1.35
MOR0201016	20.10	23.30	1.60	O/R	0.30	1.30
MOR0201020	20.12	24.12	2.00	O/R	0.30	1.55
MOR0201024	20.15	25.05	2.45	O/R	0.30	O/R
MOR0202010	20.20	22.20	1.00	O/R	O/R	1.20
MOR0202025	20.20	25.20	2.50	O/R	0.30	O/R
MOR0202026	20.20	25.40	2.60	O/R	O/R	1.80
MOR0202030	20.20	26.20	3.00	O/R	0.25	2.25
MOR0203024	20.30	25.10	2.40	O/R	0.20	1.60
MOR0204012	20.40	22.80	1.20	O/R	0.30	O/R
MOR0204025	20.40	25.40	2.50	O/R	0.30	O/R
MOR0205010	20.50	22.50	1.00	O/R	0.30	1.20
MOR0205015	20.50	23.50	1.50	O/R	0.30	1.30
MOR0205018	20.50	24.10	1.80	O/R	0.30	1.30
MOR0205020	20.50	24.50	2.00	O/R	0.30	1.60
MOR0205024	20.50	25.30	2.40	O/R	0.30	1.85
MOR0205025	20.50	25.50	2.50	O/R	0.30	1.90
MOR0205030	20.50	26.50	3.00	O/R	O/R	2.25
MOR0205032	20.50	26.90	3.20	O/R	0.60	2.25
MOR0205040	20.50	28.50	4.00	O/R	O/R	3.35
MOR0206013	20.60	23.20	1.30	O/R	0.30	O/R
MOR0206019	20.60	24.40	1.90	O/R	0.30	O/R
MOR0206023	20.60	25.20	2.30	O/R	0.30	O/R
MOR0206024	20.60	25.40	2.40	O/R	0.30	O/R
MOR0208015	20.80	23.80	1.50	O/R	0.30	O/R
MOR0208016	20.80	24.00	1.60	O/R	0.30	O/R
MOR0208024	20.80	25.60	2.40	O/R	0.50	1.85
MOR0209015	20.90	23.90	1.50	O/R	0.30	O/R
MOR0210010	21.00	23.00	1.00	O/R	0.30	1.20
MOR0210015	21.00	24.00	1.50	O/R	0.20	1.35
MOR0210020	21.00	25.00	2.00	O/R	0.20	1.60
MOR0210024	21.00	25.80	2.40	O/R	O/R	1.90
MOR0210025	21.00	26.00	2.50	O/R	0.20	1.70
MOR0210030	21.00	27.00	3.00	O/R	0.25	1.85
MOR0210035	21.00	28.00	3.50	O/R	0.60	2.70
MOR0210040	21.00	29.00	4.00	0.60	0.70	3.35
MOR0210045	21.00	30.00	4.50	O/R	O/R	4.80
MOR0210050	21.00	31.00	5.00	1.05	1.20	5.40
MOR0210060	21.00	33.00	6.00	1.20	1.35	7.00
MOR0211016	21.10	24.30	1.60	0.25	0.30	1.40
MOR0211019	21.10	24.90	1.90	0.25	0.30	O/R
MOR0211030	21.10	27.10	3.00	0.20	O/R	O/R
MOR0212014	21.20	24.00	1.40	0.25	0.30	O/R
MOR0212018	21.20	24.80	1.80	0.25	0.30	O/R
MOR0212024	21.20	26.00	2.40	O/R	O/R	1.90
MOR0212025	21.20	26.20	2.50	O/R	O/R	1.95
MOR0212026	21.20	26.50	2.65	O/R	O/R	1.90
MOR0212030	21.20	27.20	3.00	O/R	0.25	1.90
MOR0212035	21.20	28.30	3.55	O/R	O/R	2.70
MOR0212049	21.20	31.00	4.90	1.05	1.20	5.50
MOR0213010	21.30	23.30	1.00	0.25	0.30	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0213021	21.30	25.50	2.10	0.25	0.30	O/R
MOR0213024	21.30	26.10	2.40	0.20	0.20	1.65
MOR0213035	21.30	28.30	3.50	0.55	0.60	O/R
MOR0213036	21.30	28.50	3.60	0.60	0.70	2.55
MOR0213039	21.30	29.20	3.95	O/R	O/R	4.40
MOR0213046	21.30	30.50	4.60	1.05	1.20	O/R
MOR0213053	21.30	31.90	5.30	O/R	O/R	5.70
MOR0213030	21.35	27.35	3.00	0.25	0.30	O/R
MOR0214024	21.40	26.20	2.40	0.25	0.30	O/R
MOR0215010	21.50	23.50	1.00	O/R	O/R	1.25
MOR0215012	21.50	23.90	1.20	0.25	0.30	O/R
MOR0215015	21.50	24.50	1.50	0.25	0.30	1.35
MOR0215020	21.50	25.50	2.00	0.25	0.30	1.60
MOR0215024	21.50	26.30	2.40	0.25	0.30	1.90
MOR0215025	21.50	26.50	2.50	O/R	O/R	1.95
MOR0215028	21.50	27.10	2.80	0.25	0.30	O/R
MOR0215030	21.50	27.50	3.00	0.25	0.30	2.30
MOR0215035	21.50	28.50	3.50	0.55	0.60	O/R
MOR0215039	21.50	29.30	3.90	0.60	0.70	O/R
MOR0215045	21.50	30.50	4.50	O/R	O/R	4.90
MOR0216024	21.60	26.40	2.40	0.20	0.20	1.65
MOR0218015	21.80	24.80	1.50	0.25	0.30	O/R
MOR0218024	21.80	26.60	2.40	0.25	0.50	1.90
MOR0218030	21.80	27.80	3.00	O/R	O/R	2.35
MOR0219020	21.90	25.90	2.00	O/R	O/R	1.65
MOR0219029	21.92	27.82	2.95	0.25	0.30	2.25
MOR0220010	22.00	24.00	1.00	0.25	0.30	1.25
MOR0220011	22.00	24.20	1.10	0.25	0.30	O/R
MOR0220012	22.00	24.40	1.20	0.25	0.30	O/R
MOR0220013	22.00	24.60	1.30	0.25	0.30	O/R
MOR0220015	22.00	25.00	1.50	O/R	0.20	1.20
MOR0220018	22.00	25.60	1.80	O/R	0.30	1.35
MOR0220020	22.00	26.00	2.00	O/R	0.20	1.45
MOR0220021	22.00	26.20	2.10	O/R	0.30	O/R
MOR0220021-1	22.00	26.30	2.15	O/R	0.30	O/R
MOR0220023	22.00	26.60	2.30	O/R	0.30	O/R
MOR0220025	22.00	27.00	2.50	O/R	0.20	1.75
MOR0220030	22.00	28.00	3.00	O/R	0.25	1.95
MOR0220035	22.00	29.00	3.50	O/R	0.60	2.80
MOR0220037	22.00	29.40	3.70	O/R	0.70	O/R
MOR0220040	22.00	30.00	4.00	O/R	0.55	3.00
MOR0220045	22.00	31.00	4.50	O/R	O/R	4.90
MOR0220050	22.00	32.00	5.00	O/R	0.95	5.45
MOR0220055	22.00	33.00	5.50	O/R	1.20	O/R
MOR0220060	22.00	34.00	6.00	O/R	1.35	8.90
MOR0220080	22.00	38.00	8.00	O/R	2.65	16.50
MOR0220016	22.05	25.25	1.60	O/R	0.35	O/R
MOR0221016	22.10	25.30	1.60	O/R	0.25	1.20
MOR0221020	22.10	26.10	2.00	O/R	0.35	O/R
MOR0221053	22.16	32.86	5.35	O/R	1.35	O/R
MOR0222018	22.20	25.80	1.80	O/R	0.35	O/R
MOR0222030	22.20	28.20	3.00	O/R	0.30	1.95
MOR0222032	22.20	28.60	3.20	O/R	O/R	2.90
MOR0222063	22.23	34.93	6.35	O/R	1.75	O/R
MOR0223011	22.30	24.50	1.10	O/R	0.35	O/R
MOR0223024	22.30	27.10	2.40	O/R	0.30	1.65
MOR0224025	22.40	27.40	2.50	O/R	O/R	2.00
MOR0224026	22.40	27.70	2.65	O/R	0.40	2.00
MOR0224031	22.40	28.70	3.15	O/R	O/R	2.35
MOR0224035	22.40	29.50	3.55	O/R	O/R	2.90
MOR0225010	22.50	24.50	1.00	O/R	0.35	1.25
MOR0225015	22.50	25.50	1.50	O/R	0.35	1.35
MOR0225020	22.50	26.50	2.00	O/R	0.35	1.65
MOR0225025	22.50	27.50	2.50	O/R	0.40	2.00
MOR0225027	22.50	28.00	2.75	O/R	0.40	O/R
MOR0225030	22.50	28.50	3.00	O/R	0.40	2.35
MOR0225032	22.50	29.00	3.25	O/R	0.65	2.90
MOR0225045	22.50	31.50	4.50	O/R	O/R	4.95
MOR0225050	22.50	32.50	5.00	O/R	1.20	O/R
MOR0225065	22.50	35.50	6.50	O/R	1.75	O/R
MOR0226011	22.60	24.80	1.10	0.30	0.35	O/R
MOR0227015	22.70	25.70	1.50	0.30	0.35	O/R
MOR0227028	22.70	28.30	2.80	0.35	0.40	O/R
MOR0228015	22.80	25.80	1.50	0.30	0.35	1.35
MOR0228030	22.80	28.80	3.00	O/R	O/R	2.40
MOR0228053	22.80	33.40	5.30	1.20	1.35	O/R
MOR0230010	23.00	25.00	1.00	0.30	0.35	1.25
MOR0230012	23.00	25.40	1.20	0.30	0.35	O/R
MOR0230015	23.00	26.00	1.50	0.25	0.25	1.35
MOR0230016	23.00	26.20	1.60	0.30	0.35	O/R
MOR0230020	23.00	27.00	2.00	0.25	0.25	1.50
MOR0230022	23.00	27.40	2.20	0.35	0.40	O/R
MOR0230025	23.00	28.00	2.50	0.25	0.30	1.80
MOR0230028	23.00	28.60	2.80	0.35	0.40	O/R
MOR0230030	23.00	29.00	3.00	0.25	0.30	2.00
MOR0230035	23.00	30.00	3.50	0.55	0.65	2.90
MOR0230036	23.00	30.20	3.60	0.80	0.90	2.70
MOR0230040	23.00	31.00	4.00	0.55	0.60	3.35
MOR0230045	23.00	32.00	4.50	1.05	1.20	5.05
MOR0230050	23.00	33.00	5.00	1.05	1.20	5.65
MOR0230060	23.00	35.00	6.00	1.20	1.35	9.05
MOR0230070	23.00	37.00	7.00	1.55	1.75	O/R
MOR0230125	23.00	48.00	12.50	9.05	10.30	O/R
MOR0232030	23.20	29.20	3.00	O/R	O/R	2.45
MOR0233010	23.30	25.30	1.00	O/R	O/R	1.25
MOR0233012	23.30	25.70	1.20	0.30	0.35	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0233019	23.30	27.10	1.90	O/R	O/R	1.70
MOR0233024	23.30	28.10	2.40	0.25	0.30	1.75
MOR0233046	23.30	32.50	4.60	1.05	1.20	O/R
MOR0234029	23.47	29.37	2.95	0.35	0.40	2.35
MOR0235010	23.50	25.50	1.00	O/R	O/R	1.25
MOR0235012	23.50	25.90	1.20	0.30	0.35	O/R
MOR0235015	23.50	26.50	1.50	O/R	O/R	1.35
MOR0235016	23.50	26.70	1.60	0.30	0.35	O/R
MOR0235020	23.50	27.50	2.00	0.30	0.35	1.70
MOR0235024	23.50	28.30	2.40	0.35	0.40	2.00
MOR0235025	23.50	28.50	2.50	O/R	O/R	2.05
MOR0235025-1	23.50	28.60	2.55	0.35	0.40	O/R
MOR0235030	23.50	29.50	3.00	O/R	O/R	2.45
MOR0235035	23.50	30.50	3.50	O/R	O/R	3.00
MOR0235055	23.50	34.50	5.50	O/R	O/R	6.45
MOR0235060	23.50	35.50	6.00	1.20	1.35	9.00
MOR0235072	23.50	38.00	7.25	5.85	6.70	O/R
MOR0235010-1	23.59	25.59	1.00	O/R	O/R	1.25
MOR0236025	23.60	28.60	2.50	0.35	0.40	O/R
MOR0236026	23.60	28.90	2.65	0.35	0.40	2.25
MOR0236035	23.60	30.70	3.55	0.55	0.65	3.00
MOR0237028	23.70	29.30	2.80	0.35	0.40	O/R
MOR0237035	23.70	30.70	3.50	0.55	0.40	O/R
MOR0237050	23.75	33.75	5.00	1.05	1.20	O/R
MOR0237063	23.79	36.49	6.35	1.55	1.75	O/R
MOR0238013	23.80	26.40	1.30	0.30	0.35	O/R
MOR0240010	24.00	26.00	1.00	0.30	0.35	1.25
MOR0240012	24.00	26.40	1.20	0.30	0.35	O/R
MOR0240013	24.00	26.60	1.30	0.30	0.35	O/R
MOR0240015	24.00	27.00	1.50	0.25	0.25	1.40
MOR0240016	24.00	27.20	1.60	0.30	0.35	O/R
MOR0240016-1	24.00	27.30	1.65	0.30	0.35	O/R
MOR0240020	24.00	28.00	2.00	0.25	0.25	1.50
MOR0240021	24.00	28.20	2.10	0.35	0.40	O/R
MOR0240025	24.00	29.00	2.50	0.25	0.30	1.85
MOR0240026	24.00	29.20	2.60	O/R	O/R	2.05
MOR0240030	24.00	30.00	3.00	0.25	0.30	2.20
MOR0240035	24.00	31.00	3.50	0.55	0.65	3.00
MOR0240036	24.00	31.20	3.60	0.80	0.90	O/R
MOR0240038	24.00	31.60	3.80	0.80	0.90	O/R
MOR0240040	24.00	32.00	4.00	0.55	0.60	3.20
MOR0240042	24.00	32.40	4.20	1.05	1.20	O/R
MOR0240045	24.00	33.00	4.50	1.05	1.20	5.05
MOR0240048	24.00	33.60	4.80	1.05	1.20	O/R
MOR0240050	24.00	34.00	5.00	0.85	0.95	5.65
MOR0240055	24.00	35.00	5.50	1.20	1.35	6.55
MOR0240060	24.00	36.00	6.00	1.20	1.35	9.15
MOR0240080	24.00	40.00	8.00	4.55	5.15	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0240090	24.00	42.00	9.00	5.00	5.70	O/R
MOR0240100	24.00	44.00	10.00	O/R	O/R	46.05
MOR0241030	24.10	30.10	3.00	O/R	O/R	2.50
MOR0242030	24.20	30.20	3.00	0.25	0.30	2.25
MOR0242033	24.20	30.80	3.30	0.55	0.65	O/R
MOR0243024	24.30	29.10	2.40	0.35	0.40	2.05
MOR0243046	24.30	33.50	4.60	1.05	1.20	O/R
MOR0244030	24.40	30.40	3.00	0.35	0.40	O/R
MOR0244035	24.40	31.40	3.50	0.55	0.65	O/R
MOR0244012	24.45	26.85	1.20	0.30	0.35	O/R
MOR0245010	24.50	26.50	1.00	O/R	O/R	1.25
MOR0245015	24.50	27.50	1.50	O/R	O/R	1.40
MOR0245018	24.50	28.10	1.80	0.30	0.35	O/R
MOR0245020	24.50	28.50	2.00	0.30	0.35	1.70
MOR0245024	24.50	29.30	2.40	0.35	0.40	2.05
MOR0245025	24.50	29.50	2.50	0.35	0.40	2.25
MOR0245027	24.50	29.90	2.70	0.35	0.40	O/R
MOR0245030	24.50	30.50	3.00	O/R	O/R	2.50
MOR0245035	24.50	31.50	3.50	0.55	0.65	O/R
MOR0245040	24.50	32.50	4.00	0.80	0.90	4.50
MOR0245045	24.50	33.50	4.50	O/R	O/R	5.05
MOR0245067	24.50	37.90	6.70	1.55	1.75	O/R
MOR0246018	24.60	28.20	1.80	0.30	0.35	O/R
MOR0246024	24.60	29.40	2.40	0.25	0.30	1.80
MOR0246030	24.60	30.60	3.00	O/R	O/R	2.50
MOR0246035	24.60	31.60	3.50	0.55	0.65	O/R
MOR0246036	24.60	31.80	3.60	O/R	0.90	2.75
MOR0247017	24.70	28.10	1.70	0.30	0.35	1.40
MOR0247035	24.70	31.70	3.50	0.55	0.40	O/R
MOR0247050	24.77	34.77	5.00	1.05	1.20	O/R
MOR0248010	24.80	26.80	1.00	0.30	0.35	O/R
MOR0248015	24.80	27.80	1.50	0.30	0.35	O/R
MOR0248019	24.80	28.60	1.90	0.30	0.35	O/R
MOR0250010	25.00	27.00	1.00	0.30	0.35	1.25
MOR0250012	25.00	27.40	1.20	0.30	0.35	O/R
MOR0250013	25.00	27.60	1.30	0.30	0.35	O/R
MOR0250015	25.00	28.00	1.50	0.25	0.25	1.20
MOR0250018	25.00	28.60	1.80	0.30	0.35	O/R
MOR0250020	25.00	29.00	2.00	0.25	0.25	1.55
MOR0250021	25.00	29.20	2.10	0.35	0.40	O/R
MOR0250024	25.00	29.80	2.40	0.35	0.40	2.25
MOR0250025	25.00	30.00	2.50	0.25	0.30	1.85
MOR0250026	25.00	30.20	2.60	O/R	O/R	2.25
MOR0250026-1	25.00	30.30	2.65	0.35	0.40	2.30
MOR0250030	25.00	31.00	3.00	0.25	0.30	2.25
MOR0250031	25.00	31.30	3.15	0.55	0.65	3.10
MOR0250035	25.00	32.00	3.50	0.55	0.65	3.15
MOR0250035-1	25.00	32.10	3.55	0.55	0.65	3.15

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0250040	25.00	33.00	4.00	0.55	0.60	3.25
MOR0250045	25.00	34.00	4.50	1.05	1.20	5.15
MOR0250046	25.00	34.20	4.60	1.05	1.20	O/R
MOR0250050	25.00	35.00	5.00	0.85	0.95	5.15
MOR0250055	25.00	36.00	5.50	1.20	1.35	O/R
MOR0250060	25.00	37.00	6.00	1.20	1.35	9.10
MOR0250080	25.00	41.00	8.00	4.55	5.15	16.75
MOR0250029	25.04	30.94	2.95	0.35	0.40	2.55
MOR0251016	25.10	28.30	1.60	0.25	0.30	1.40
MOR0252012	25.20	27.60	1.20	0.35	0.40	O/R
MOR0252018	25.20	28.80	1.80	0.35	0.40	1.40
MOR0252030	25.20	31.20	3.00	0.45	0.50	2.60
MOR0253016	25.30	28.50	1.60	0.35	0.40	1.60
MOR0253024	25.30	30.10	2.40	0.30	0.35	1.85
MOR0253025	25.30	30.30	2.50	O/R	O/R	2.25
MOR0253030	25.30	31.30	3.00	0.50	0.60	O/R
MOR0254015	25.40	28.40	1.50	0.35	0.40	1.40
MOR0255010	25.50	27.50	1.00	0.35	0.40	O/R
MOR0255012	25.50	27.90	1.20	0.35	0.40	O/R
MOR0255015	25.50	28.50	1.50	0.35	0.40	1.40
MOR0255020	25.50	29.50	2.00	0.35	0.40	1.75
MOR0255025	25.50	30.50	2.50	O/R	O/R	2.25
MOR0255030	25.50	31.50	3.00	0.50	0.60	2.60
MOR0255032	25.50	31.90	3.20	0.85	0.95	O/R
MOR0255035	25.50	32.50	3.50	0.85	0.95	O/R
MOR0255040	25.50	33.50	4.00	O/R	O/R	4.55
MOR0256024	25.60	30.40	2.40	0.35	0.40	O/R
MOR0257015	25.70	28.70	1.50	O/R	O/R	1.40
MOR0257019	25.70	29.50	1.90	0.35	0.40	O/R
MOR0258026	25.80	31.10	2.65	O/R	O/R	2.35
MOR0258035-1	25.80	32.90	3.55	0.85	0.95	3.25
MOR0258069	25.80	39.60	6.90	1.70	1.95	O/R
MOR0259030	25.98	31.98	3.00	O/R	O/R	2.60
MOR0260010	26.00	28.00	1.00	0.35	0.40	1.55
MOR0260012	26.00	28.40	1.20	0.35	0.40	O/R
MOR0260015	26.00	29.00	1.50	0.25	0.30	1.40
MOR0260020	26.00	30.00	2.00	0.25	0.30	1.60
MOR0260021	26.00	30.30	2.15	0.35	0.40	O/R
MOR0260022	26.00	30.50	2.25	0.35	0.40	O/R
MOR0260025	26.00	31.00	2.50	0.30	0.35	1.90
MOR0260030	26.00	32.00	3.00	0.45	0.50	2.30
MOR0260035	26.00	33.00	3.50	0.85	0.95	3.25
MOR0260040	26.00	34.00	4.00	0.80	0.90	4.60
MOR0260045	26.00	35.00	4.50	O/R	O/R	5.15
MOR0260050	26.00	36.00	5.00	1.35	1.50	5.80
MOR0260060	26.00	38.00	6.00	1.45	1.70	9.30
MOR0260065	26.00	39.00	6.50	1.70	1.95	O/R
MOR0260070	26.00	40.00	7.00	O/R	O/R	11.00

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0260080	26.00	42.00	8.00	5.85	6.70	16.95
MOR0262024	26.20	31.00	2.40	O/R	O/R	2.35
MOR0262030	26.20	32.20	3.00	0.45	0.50	2.30
MOR0262030-1	26.20	32.30	3.05	O/R	O/R	2.65
MOR0262036	26.20	33.40	3.60	1.00	1.15	2.85
MOR0263024	26.30	31.10	2.40	O/R	O/R	2.35
MOR0263046	26.30	35.50	4.60	1.35	1.50	O/R
MOR0263020	26.33	30.33	2.00	0.35	0.40	O/R
MOR0265010	26.50	28.50	1.00	0.35	0.40	O/R
MOR0265012	26.50	28.90	1.20	0.35	0.40	O/R
MOR0265015	26.50	29.50	1.50	O/R	O/R	1.40
MOR0265020	26.50	30.50	2.00	0.35	0.40	1.80
MOR0265022	26.50	30.90	2.20	0.35	0.40	O/R
MOR0265025	26.50	31.50	2.50	O/R	O/R	2.35
MOR0265026	26.50	31.80	2.65	0.50	0.60	2.35
MOR0265030	26.50	32.50	3.00	0.50	0.60	2.35
MOR0265035	26.50	33.50	3.50	0.85	0.95	3.30
MOR0265035-1	26.50	33.60	3.55	0.85	0.95	3.30
MOR0265050	26.50	36.50	5.00	O/R	O/R	6.00
MOR0265029	26.59	32.49	2.95	0.50	0.60	2.70
MOR0266035	26.60	33.60	3.50	0.85	0.95	O/R
MOR0267034	26.70	33.50	3.40	O/R	O/R	3.30
MOR0268025	26.80	31.80	2.50	0.35	0.40	O/R
MOR0268026	26.80	32.10	2.65	O/R	O/R	2.35
MOR0268030	26.80	32.80	3.00	O/R	O/R	2.70
MOR0270013	27.00	29.60	1.30	O/R	O/R	1.65
MOR0270014	27.00	29.80	1.40	0.35	0.40	O/R
MOR0270015	27.00	30.00	1.50	0.25	0.30	1.65
MOR0270020	27.00	31.00	2.00	0.25	0.30	1.90
MOR0270025	27.00	32.00	2.50	0.30	0.35	1.95
MOR0270030	27.00	33.00	3.00	0.45	0.50	2.35
MOR0270032	27.00	33.40	3.20	0.85	0.95	2.80
MOR0270035	27.00	34.00	3.50	0.85	0.95	3.35
MOR0270040	27.00	35.00	4.00	1.00	1.15	4.65
MOR0270045	27.00	36.00	4.50	1.35	1.50	5.25
MOR0270050	27.00	37.00	5.00	1.35	1.50	5.90
MOR0270060	27.00	39.00	6.00	1.45	1.70	9.45
MOR0270070	27.00	41.00	7.00	O/R	O/R	11.15
MOR0271016	27.10	30.30	1.60	0.25	0.30	1.45
MOR0272057	27.20	38.60	5.70	1.45	1.70	O/R
MOR0273024	27.30	32.10	2.40	0.35	0.40	1.90
MOR0273025	27.30	32.30	2.50	0.35	0.40	O/R
MOR0273027	27.30	32.70	2.70	0.50	0.60	2.75
MOR0273032	27.30	33.70	3.20	0.85	0.95	O/R
MOR0273046	27.30	36.50	4.60	1.35	1.50	6.00
MOR0274025	27.40	32.40	2.50	0.35	0.40	2.35
MOR0274027	27.40	32.80	2.70	0.50	0.60	O/R
MOR0274030	27.40	33.40	3.00	0.50	0.60	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0275010	27.50	29.50	1.00	0.35	0.40	O/R
MOR0275015	27.50	30.50	1.50	0.35	0.40	1.65
MOR0275020	27.50	31.50	2.00	0.35	0.40	1.90
MOR0275024	27.50	32.30	2.40	0.35	0.40	2.35
MOR0275025	27.50	32.50	2.50	0.35	0.40	2.35
MOR0275030	27.50	33.50	3.00	0.45	0.50	2.40
MOR0275032	27.50	33.90	3.20	0.85	0.95	O/R
MOR0275045	27.50	36.50	4.50	1.35	1.50	5.30
MOR0276024	27.60	32.40	2.40	0.30	0.35	1.90
MOR0276030	27.60	33.60	3.00	O/R	O/R	2.80
MOR0278015	27.80	30.80	1.50	0.35	0.40	1.70
MOR0278024	27.80	32.60	2.40	0.35	0.40	2.35
MOR0278030	27.80	33.80	3.00	0.50	0.60	O/R
MOR0278036	27.80	35.00	3.60	1.00	1.15	3.00
MOR0280010	28.00	30.00	1.00	0.35	0.40	O/R
MOR0280012	28.00	30.40	1.20	0.35	0.40	O/R
MOR0280015	28.00	31.00	1.50	0.25	0.30	1.70
MOR0280017	28.00	31.40	1.70	0.35	0.40	O/R
MOR0280019	28.00	31.80	1.90	0.35	0.40	O/R
MOR0280020	28.00	32.00	2.00	0.25	0.30	1.70
MOR0280022	28.00	32.40	2.20	0.35	0.40	O/R
MOR0280025	28.00	33.00	2.50	0.30	0.35	2.00
MOR0280026-1	28.00	33.30	2.65	0.50	0.60	2.40
MOR0280030	28.00	34.00	3.00	0.45	0.50	2.45
MOR0280031	28.00	34.30	3.15	0.85	0.95	2.80
MOR0280035	28.00	35.00	3.50	0.85	0.95	3.40
MOR0280035-1	28.00	35.10	3.55	0.85	0.95	3.40
MOR0280040	28.00	36.00	4.00	0.80	0.90	4.45
MOR0280041	28.00	36.20	4.10	1.35	1.50	5.40
MOR0280045	28.00	37.00	4.50	1.35	1.50	5.40
MOR0280050	28.00	38.00	5.00	1.35	1.50	5.45
MOR0280060	28.00	40.00	6.00	1.45	1.70	9.60
MOR0280070	28.00	42.00	7.00	1.70	1.95	32.35
MOR0281043	28.10	36.70	4.30	1.35	1.50	O/R
MOR0281031	28.15	34.45	3.15	O/R	O/R	2.80
MOR0281032	28.15	34.55	3.20	0.85	0.95	O/R
MOR0282010	28.20	30.20	1.00	0.35	0.40	O/R
MOR0282030	28.20	34.20	3.00	0.45	0.50	2.45
MOR0283035	28.30	35.40	3.55	0.85	0.95	O/R
MOR0284030	28.40	34.40	3.00	0.50	0.60	O/R
MOR0284032	28.40	34.80	3.20	0.85	0.95	O/R
MOR0285010	28.50	30.50	1.00	0.35	0.40	1.85
MOR0285015	28.50	31.50	1.50	0.35	0.40	1.70
MOR0285020	28.50	32.50	2.00	0.35	0.40	1.95
MOR0285025	28.50	33.50	2.50	0.35	0.40	2.40
MOR0285030	28.50	34.50	3.00	0.50	0.60	2.80
MOR0285045	28.50	37.50	4.50	O/R	O/R	5.40
MOR0285050	28.50	38.50	5.00	O/R	O/R	6.20

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0286022	28.60	33.00	2.20	0.35	0.40	O/R
MOR0289030	28.90	34.90	3.00	0.50	0.60	O/R
MOR0290010	29.00	31.00	1.00	0.35	0.40	O/R
MOR0290015	29.00	32.00	1.50	0.25	0.30	1.80
MOR0290018	29.00	32.60	1.80	0.35	0.40	O/R
MOR0290020	29.00	33.00	2.00	0.35	0.40	2.05
MOR0290025	29.00	34.00	2.50	0.30	0.35	2.50
MOR0290030	29.00	35.00	3.00	0.45	0.50	2.50
MOR0290031	29.00	35.30	3.15	0.85	0.95	O/R
MOR0290032	29.00	35.40	3.20	O/R	O/R	2.90
MOR0290032-1	29.00	35.50	3.25	O/R	O/R	3.55
MOR0290035	29.00	36.00	3.50	0.85	0.95	3.55
MOR0290038	29.00	36.60	3.80	O/R	O/R	4.80
MOR0290040	29.00	37.00	4.00	1.00	1.15	4.80
MOR0290045	29.00	38.00	4.50	O/R	O/R	5.45
MOR0290050	29.00	39.00	5.00	O/R	O/R	6.30
MOR0290060	29.00	41.00	6.00	1.45	1.70	9.75
MOR0290100	29.00	49.00	10.00	9.85	11.25	O/R
MOR0291016	29.10	32.30	1.60	0.35	0.40	1.55
MOR0291025	29.10	34.20	2.55	0.50	0.60	2.55
MOR0291030	29.10	35.10	3.00	O/R	O/R	2.90
MOR0292030	29.20	35.20	3.00	0.45	0.50	2.50
MOR0292032	29.20	35.60	3.20	O/R	O/R	2.90
MOR0292033	29.20	35.80	3.30	0.85	0.95	O/R
MOR0292016	29.25	32.45	1.60	0.35	0.40	O/R
MOR0293036	29.30	36.50	3.60	1.00	1.15	3.15
MOR0294010	29.40	31.40	1.00	O/R	0.40	O/R
MOR0294030	29.40	35.40	3.00	0.50	0.60	O/R
MOR0295010	29.50	31.50	1.00	0.35	0.40	1.95
MOR0295015	29.50	32.50	1.50	0.35	0.40	1.80
MOR0295020	29.50	33.50	2.00	0.35	0.40	2.05
MOR0295023	29.50	34.10	2.30	0.35	0.40	O/R
MOR0295025	29.50	34.50	2.50	0.35	0.40	O/R
MOR0295027	29.50	34.90	2.70	0.50	0.60	O/R
MOR0295030	29.50	35.50	3.00	0.50	0.60	2.90
MOR0295038	29.50	37.10	3.80	1.00	1.15	O/R
MOR0295045	29.50	38.50	4.50	1.35	1.50	5.45
MOR0295047	29.50	39.00	4.75	1.35	1.50	O/R
MOR0295055	29.50	40.50	5.50	O/R	O/R	9.00
MOR0295057	29.50	40.90	5.70	O/R	O/R	9.45
MOR0296020	29.60	33.60	2.00	0.35	0.40	O/R
MOR0296024	29.60	34.40	2.40	0.35	0.40	2.00
MOR0297010	29.70	31.70	1.00	O/R	O/R	1.95
MOR0297027	29.70	35.10	2.70	0.50	0.60	O/R
MOR0297028	29.70	35.30	2.80	O/R	O/R	2.90
MOR0297029	29.74	35.64	2.95	0.50	0.60	2.90
MOR0297010-1	29.75	31.75	1.00	0.35	0.40	O/R
MOR0300010	30.00	32.00	1.00	0.35	0.40	1.95

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0300013	30.00	32.60	1.30	0.35	0.40	O/R
MOR0300015	30.00	33.00	1.50	0.25	0.30	1.80
MOR0300018	30.00	33.60	1.80	0.35	0.40	1.80
MOR0300020	30.00	34.00	2.00	0.25	0.30	1.80
MOR0300022	30.00	34.40	2.20	0.35	0.40	O/R
MOR0300025	30.00	35.00	2.50	0.30	0.35	2.25
MOR0300026	30.00	35.30	2.65	0.50	0.60	2.55
MOR0300027	30.00	35.40	2.70	0.50	0.60	O/R
MOR0300030	30.00	36.00	3.00	0.45	0.50	2.50
MOR0300031	30.00	36.30	3.15	O/R	O/R	4.45
MOR0300035	30.00	37.00	3.50	0.85	0.95	O/R
MOR0300035-1	30.00	37.10	3.55	0.85	0.95	4.45
MOR0300040	30.00	38.00	4.00	0.80	0.90	4.50
MOR0300045	30.00	39.00	4.50	1.35	1.50	5.50
MOR0300050	30.00	40.00	5.00	1.05	1.20	5.70
MOR0300055	30.00	41.00	5.50	O/R	O/R	9.15
MOR0300060	30.00	42.00	6.00	1.45	1.70	9.90
MOR0300070	30.00	44.00	7.00	1.70	1.95	12.25
MOR0300075	30.00	45.00	7.50	O/R	O/R	26.80
MOR0300080	30.00	46.00	8.00	5.85	6.70	O/R
MOR0302010	30.20	32.20	1.00	0.65	0.75	O/R
MOR0302030	30.20	36.20	3.00	0.55	0.65	2.55
MOR0303024	30.30	35.10	2.40	0.65	0.75	2.00
MOR0303036	30.35	37.55	3.60	1.10	1.25	O/R
MOR0304048	30.40	40.00	4.80	1.40	1.65	O/R
MOR0305010	30.50	32.50	1.00	0.65	0.75	1.95
MOR0305012	30.50	32.90	1.20	0.65	0.75	O/R
MOR0305015	30.50	33.50	1.50	O/R	O/R	1.80
MOR0305020	30.50	34.50	2.00	O/R	O/R	2.20
MOR0305025	30.50	35.50	2.50	O/R	O/R	2.55
MOR0305030	30.50	36.50	3.00	O/R	O/R	2.95
MOR0305050	30.50	40.50	5.00	1.40	1.65	O/R
MOR0306010	30.60	32.60	1.00	0.65	0.75	O/R
MOR0307020	30.70	34.70	2.00	O/R	O/R	2.25
MOR0308024	30.80	35.60	2.40	O/R	O/R	2.50
MOR0308025	30.80	35.80	2.50	0.65	0.75	O/R
MOR0308036	30.80	38.00	3.60	1.10	1.25	3.25
MOR0308037	30.80	38.20	3.70	O/R	O/R	4.95
MOR0310010	31.00	33.00	1.00	0.65	0.75	O/R
MOR0310015	31.00	34.00	1.50	0.65	0.75	1.80
MOR0310020	31.00	35.00	2.00	0.65	0.75	2.25
MOR0310025	31.00	36.00	2.50	0.65	0.75	2.65
MOR0310030	31.00	37.00	3.00	0.55	0.65	2.65
MOR0310035	31.00	38.00	3.50	1.00	1.15	4.50
MOR0310038	31.00	38.60	3.80	1.10	1.25	O/R
MOR0310040	31.00	39.00	4.00	0.85	1.00	4.95
MOR0310045	31.00	40.00	4.50	1.40	1.65	5.70
MOR0310050	31.00	41.00	5.00	1.40	1.65	6.70

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0310055	31.00	42.00	5.50	O/R	O/R	9.30
MOR0310060	31.00	43.00	6.00	1.60	1.85	10.05
MOR0310065	31.00	44.00	6.50	2.30	2.65	O/R
MOR0312030	31.20	37.20	3.00	0.55	0.65	2.70
MOR0313020	31.30	35.30	2.00	0.65	0.75	O/R
MOR0314050	31.40	41.40	5.00	1.40	1.65	O/R
MOR0314015	31.42	34.42	1.50	O/R	O/R	1.80
MOR0314029	31.42	37.32	2.95	O/R	O/R	3.10
MOR0315012	31.50	33.90	1.20	0.65	0.75	O/R
MOR0315015	31.50	34.50	1.50	O/R	O/R	1.80
MOR0315017	31.50	35.00	1.75	O/R	O/R	1.80
MOR0315019	31.50	35.40	1.95	0.65	0.75	O/R
MOR0315020	31.50	35.50	2.00	0.65	0.75	2.25
MOR0315025	31.50	36.50	2.50	O/R	O/R	2.65
MOR0315026	31.50	36.80	2.65	0.80	0.95	2.65
MOR0315030	31.50	37.50	3.00	O/R	O/R	3.10
MOR0315035	31.50	38.50	3.50	O/R	O/R	4.55
MOR0315035-1	31.50	38.60	3.55	1.00	1.15	4.55
MOR0315040	31.50	39.50	4.00	O/R	O/R	5.05
MOR0315045	31.50	40.50	4.50	1.40	1.65	5.75
MOR0315050	31.50	41.50	5.00	1.40	1.65	O/R
MOR0315060	31.50	43.50	6.00	1.60	1.85	O/R
MOR0315065	31.50	44.50	6.50	2.30	2.65	O/R
MOR0316012	31.60	34.00	1.20	0.65	0.75	O/R
MOR0316013	31.60	34.20	1.30	0.65	0.75	O/R
MOR0316024	31.60	36.40	2.40	0.65	0.75	2.50
MOR0316020	31.63	35.63	2.00	0.65	0.75	2.25
MOR0317010	31.75	33.75	1.00	O/R	O/R	2.00
MOR0318010	31.80	33.80	1.00	O/R	O/R	2.00
MOR0318015	31.80	34.80	1.50	0.65	0.75	O/R
MOR0320010	32.00	34.00	1.00	0.65	0.75	2.00
MOR0320011	32.00	34.20	1.10	0.65	0.75	O/R
MOR0320015	32.00	35.00	1.50	0.65	0.75	1.80
MOR0320016	32.00	35.20	1.60	O/R	O/R	1.85
MOR0320020	32.00	36.00	2.00	0.55	0.60	1.90
MOR0320022	32.00	36.40	2.20	0.65	0.75	O/R
MOR0320024	32.00	36.80	2.40	0.65	0.75	O/R
MOR0320025	32.00	37.00	2.50	0.65	0.75	2.65
MOR0320028	32.00	37.60	2.80	0.80	0.95	3.15
MOR0320030	32.00	38.00	3.00	0.55	0.65	2.75
MOR0320035	32.00	39.00	3.50	1.00	1.15	4.55
MOR0320040	32.00	40.00	4.00	0.85	1.00	5.05
MOR0320045	32.00	41.00	4.50	1.40	1.65	5.80
MOR0320050	32.00	42.00	5.00	1.15	1.30	6.00
MOR0320055	32.00	43.00	5.50	1.60	1.85	O/R
MOR0320060	32.00	44.00	6.00	1.60	1.85	10.20
MOR0320080	32.00	48.00	8.00	6.25	7.15	22.05
MOR0320090	32.00	50.00	9.00	7.75	8.85	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0320100	32.00	52.00	10.00	10.85	12.40	O/R
MOR0320120	32.00	56.00	12.00	11.90	13.60	O/R
MOR0320135	32.00	59.00	13.50	12.45	14.25	O/R
MOR0320015-1	32.05	35.15	1.55	0.65	0.75	O/R
MOR0320036	32.05	39.25	3.60	1.10	1.25	O/R
MOR0321016	32.10	35.30	1.60	0.55	0.60	1.60
MOR0322014	32.20	35.00	1.40	0.65	0.75	O/R
MOR0322025	32.20	37.20	2.50	0.65	0.75	O/R
MOR0322030	32.20	38.20	3.00	0.55	0.65	2.75
MOR0323020	32.30	36.30	2.00	0.65	0.75	O/R
MOR0325010	32.50	34.50	1.00	0.65	0.75	O/R
MOR0325015	32.50	35.50	1.50	0.65	0.75	1.80
MOR0325018	32.50	36.10	1.80	0.65	0.75	O/R
MOR0325020	32.50	36.50	2.00	0.65	0.75	2.35
MOR0325022	32.50	36.90	2.20	0.65	0.75	O/R
MOR0325025	32.50	37.50	2.50	O/R	O/R	3.00
MOR0325026	32.50	37.70	2.60	0.80	0.95	O/R
MOR0325026-1	32.50	37.80	2.65	O/R	O/R	3.05
MOR0325030	32.50	38.50	3.00	O/R	O/R	3.15
MOR0325035	32.50	39.60	3.55	O/R	O/R	4.65
MOR0325036	32.50	39.70	3.60	1.10	1.25	3.40
MOR0325050	32.50	42.50	5.00	O/R	O/R	6.80
MOR0326018	32.60	36.20	1.80	0.65	0.75	O/R
MOR0326024	32.60	37.40	2.40	0.65	0.75	O/R
MOR0327013	32.70	35.30	1.30	0.65	0.75	O/R
MOR0327015	32.70	35.70	1.50	0.65	0.75	O/R
MOR0330012	33.00	35.40	1.20	0.65	0.75	O/R
MOR0330015	33.00	36.00	1.50	0.65	0.75	1.85
MOR0330020	33.00	37.00	2.00	0.55	0.60	2.00
MOR0330024	33.00	37.80	2.40	O/R	O/R	2.95
MOR0330025	33.00	38.00	2.50	0.65	0.75	2.70
MOR0330030	33.00	39.00	3.00	0.80	0.95	2.80
MOR0330035	33.00	40.00	3.50	1.00	1.15	4.65
MOR0330040	33.00	41.00	4.00	1.10	1.25	5.15
MOR0330045	33.00	42.00	4.50	O/R	O/R	5.90
MOR0330050	33.00	43.00	5.00	1.15	1.30	8.80
MOR0330060	33.00	45.00	6.00	1.60	1.85	10.40
MOR0330065	33.00	46.00	6.50	O/R	O/R	11.80
MOR0330070	33.00	47.00	7.00	2.30	2.65	13.10
MOR0330080	33.00	49.00	8.00	6.25	7.15	O/R
MOR0330100	33.00	53.00	10.00	10.85	12.40	32.85
MOR0332036	33.20	40.40	3.60	O/R	O/R	4.70
MOR0333013	33.30	35.90	1.30	0.65	0.75	O/R
MOR0333024	33.30	38.10	2.40	0.55	0.60	2.60
MOR0333026	33.30	38.50	2.60	0.80	0.95	O/R
MOR0333035	33.30	40.30	3.50	O/R	O/R	4.75
MOR0334020	33.40	37.40	2.00	0.65	0.75	O/R
MOR0334030	33.40	39.40	3.00	0.80	0.95	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0335015	33.50	36.50	1.50	O/R	O/R	1.85
MOR0335020	33.50	37.50	2.00	O/R	O/R	2.40
MOR0335025	33.50	38.50	2.50	O/R	O/R	3.10
MOR0335026	33.50	38.80	2.65	O/R	O/R	3.10
MOR0335030	33.50	39.50	3.00	0.80	0.95	3.30
MOR0335031	33.50	39.80	3.15	1.00	1.15	3.35
MOR0335035	33.50	40.60	3.55	1.00	1.15	4.75
MOR0335040	33.50	41.50	4.00	O/R	O/R	5.20
MOR0335050	33.50	43.50	5.00	O/R	O/R	7.00
MOR0337022	33.70	38.10	2.20	0.65	0.75	O/R
MOR0337037	33.70	41.10	3.70	1.10	1.25	O/R
MOR0340010	34.00	36.00	1.00	0.65	0.75	2.25
MOR0340011	34.00	36.20	1.10	0.65	0.75	O/R
MOR0340012	34.00	36.40	1.20	0.65	0.75	O/R
MOR0340015	34.00	37.00	1.50	0.65	0.75	1.90
MOR0340020	34.00	38.00	2.00	0.55	0.60	2.25
MOR0340021	34.00	38.20	2.10	0.65	0.75	O/R
MOR0340023	34.00	38.60	2.30	0.65	0.75	O/R
MOR0340025	34.00	39.00	2.50	0.65	0.75	2.75
MOR0340030	34.00	40.00	3.00	0.55	0.65	2.95
MOR0340032	34.00	40.50	3.25	1.00	1.15	O/R
MOR0340035	34.00	41.00	3.50	1.00	1.15	4.75
MOR0340038	34.00	41.60	3.80	1.10	1.25	O/R
MOR0340040	34.00	42.00	4.00	0.85	1.00	5.25
MOR0340045	34.00	43.00	4.50	O/R	O/R	6.00
MOR0340050	34.00	44.00	5.00	1.40	1.65	8.90
MOR0340060	34.00	46.00	6.00	1.60	1.85	10.55
MOR0340080	34.00	50.00	8.00	6.25	7.15	36.00
MOR0340110	34.00	56.00	11.00	11.35	13.00	O/R
MOR0341030	34.10	40.10	3.00	O/R	O/R	3.35
MOR0341036	34.10	41.30	3.60	1.10	1.25	3.55
MOR0342023	34.20	38.80	2.30	0.65	0.75	O/R
MOR0342030	34.20	40.20	3.00	0.55	0.65	2.95
MOR0343025	34.30	39.30	2.50	0.65	0.75	O/R
MOR0343036	34.30	41.50	3.60	1.10	1.25	O/R
MOR0343046	34.30	43.50	4.60	1.40	1.65	O/R
MOR0344029	34.42	40.32	2.95	0.80	0.95	3.45
MOR0344030	34.47	40.47	3.00	O/R	O/R	3.40
MOR0345010	34.50	36.50	1.00	0.65	0.75	O/R
MOR0345015	34.50	37.50	1.50	O/R	O/R	1.90
MOR0345020	34.50	38.50	2.00	O/R	O/R	2.50
MOR0345025	34.50	39.50	2.50	0.65	0.75	3.15
MOR0345026	34.50	39.80	2.65	0.80	0.95	3.15
MOR0345030	34.50	40.50	3.00	O/R	O/R	3.40
MOR0345035	34.50	41.50	3.50	1.00	1.15	4.75
MOR0345035-1	34.50	41.60	3.55	1.00	1.15	4.80
MOR0345040	34.50	42.50	4.00	O/R	O/R	5.35
MOR0345045	34.50	43.50	4.50	O/R	O/R	6.10

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0346024	34.60	39.40	2.40	0.65	0.75	2.95
MOR0346026	34.60	39.80	2.60	0.80	0.95	3.00
MOR0346036	34.60	41.80	3.60	0.80	O/R	O/R
MOR0347028	34.70	40.30	2.80	0.80	0.95	O/R
MOR0348013	34.80	37.40	1.30	0.65	0.75	O/R
MOR0350010	35.00	37.00	1.00	0.65	0.75	2.25
MOR0350012	35.00	37.40	1.20	0.65	0.75	O/R
MOR0350012-1	35.00	37.50	1.25	O/R	O/R	1.90
MOR0350015	35.00	38.00	1.50	0.55	0.60	1.90
MOR0350020	35.00	39.00	2.00	0.55	0.60	2.25
MOR0350021	35.00	39.30	2.15	0.65	0.75	O/R
MOR0350022	35.00	39.40	2.20	0.65	0.75	O/R
MOR0350025	35.00	40.00	2.50	0.55	0.60	2.80
MOR0350028	35.00	40.60	2.80	0.80	0.95	O/R
MOR0350030	35.00	41.00	3.00	0.55	0.65	3.10
MOR0350032	35.00	41.40	3.20	1.00	1.15	3.45
MOR0350035	35.00	42.00	3.50	1.00	1.15	4.80
MOR0350040	35.00	43.00	4.00	0.85	1.00	4.90
MOR0350045	35.00	44.00	4.50	O/R	O/R	6.20
MOR0350050	35.00	45.00	5.00	1.15	1.30	9.05
MOR0350053	35.00	45.60	5.30	1.60	1.85	O/R
MOR0350060	35.00	47.00	6.00	1.60	1.85	10.70
MOR0350070	35.00	49.00	7.00	2.30	2.65	13.65
MOR0350075	35.00	50.00	7.50	6.25	7.15	O/R
MOR0350080	35.00	51.00	8.00	6.25	7.15	36.25
MOR0351010	35.10	37.10	1.00	0.85	0.95	O/R
MOR0351016	35.10	38.30	1.60	0.85	0.95	1.70
MOR0352010	35.20	37.20	1.00	0.85	0.95	O/R
MOR0352024	35.20	40.00	2.40	0.85	0.95	O/R
MOR0352025	35.20	40.20	2.50	0.85	0.95	3.20
MOR0352030	35.20	41.20	3.00	0.60	0.70	3.10
MOR0352035	35.20	42.20	3.50	1.00	0.60	O/R
MOR0352050	35.20	45.20	5.00	1.45	1.70	O/R
MOR0352057	35.20	46.60	5.70	1.35	1.50	9.30
MOR0353024	35.30	40.10	2.40	0.85	0.95	O/R
MOR0353025	35.30	40.30	2.50	0.85	0.95	O/R
MOR0353046	35.30	44.50	4.60	1.45	1.70	O/R
MOR0354030	35.40	41.40	3.00	0.90	1.00	O/R
MOR0354031	35.40	41.60	3.10	1.15	1.35	O/R
MOR0354032	35.40	41.80	3.20	1.15	1.35	O/R
MOR0355010	35.50	37.50	1.00	0.85	0.95	O/R
MOR0355011	35.50	37.80	1.15	12.85	O/R	O/R
MOR0355015	35.50	38.50	1.50	O/R	O/R	1.90
MOR0355020	35.50	39.50	2.00	O/R	O/R	2.55
MOR0355025	35.50	40.50	2.50	0.85	0.95	3.20
MOR0355026-1	35.50	40.80	2.65	0.90	1.00	3.20
MOR0355030	35.50	41.50	3.00	0.90	1.00	3.20
MOR0355031	35.50	41.80	3.15	1.15	1.35	O/R
MOR0355035	35.50	42.60	3.55	O/R	O/R	4.90
MOR0355040	35.50	43.50	4.00	O/R	O/R	5.40
MOR0355045	35.50	44.50	4.50	O/R	O/R	6.30
MOR0355115	35.50	58.50	11.50	O/R	14.65	O/R
MOR0356036	35.60	42.80	3.60	1.20	1.40	4.50
MOR0358010	35.80	37.80	1.00	0.85	0.95	O/R
MOR0360010	36.00	38.00	1.00	0.85	0.95	O/R
MOR0360012	36.00	38.40	1.20	0.85	0.95	O/R
MOR0360015	36.00	39.00	1.50	0.85	0.95	1.90
MOR0360016	36.00	39.20	1.60	0.85	0.95	O/R
MOR0360018	36.00	39.60	1.80	0.85	0.95	O/R
MOR0360020	36.00	40.00	2.00	0.60	0.65	2.30
MOR0360025	36.00	41.00	2.50	0.85	0.95	3.25
MOR0360030	36.00	42.00	3.00	0.60	0.70	3.15
MOR0360031	36.00	42.20	3.10	1.15	1.20	O/R
MOR0360032	36.00	42.40	3.20	1.15	1.35	O/R
MOR0360035	36.00	43.00	3.50	1.15	1.35	4.90
MOR0360040	36.00	44.00	4.00	0.95	1.10	4.95
MOR0360045	36.00	45.00	4.50	O/R	O/R	6.40
MOR0360050	36.00	46.00	5.00	1.20	1.35	9.00
MOR0360060	36.00	48.00	6.00	1.65	1.85	10.85
MOR0360062	36.00	48.40	6.20	4.05	4.60	O/R
MOR0360070	36.00	50.00	7.00	O/R	O/R	14.00
MOR0360080	36.00	52.00	8.00	O/R	O/R	36.60
MOR0360090	36.00	54.00	9.00	8.35	9.55	O/R
MOR0361030	36.10	42.10	3.00	O/R	O/R	4.50
MOR0361035	36.10	43.10	3.50	O/R	O/R	4.95
MOR0362014	36.20	39.00	1.40	0.85	0.95	O/R
MOR0362018	36.20	39.80	1.80	0.85	0.95	O/R
MOR0362026	36.20	41.50	2.65	0.90	1.00	O/R
MOR0362030	36.20	42.20	3.00	0.60	0.70	3.15
MOR0362033	36.20	42.80	3.30	O/R	O/R	4.95
MOR0362057	36.20	47.60	5.70	O/R	O/R	9.60
MOR0363046	36.30	45.50	4.60	1.45	1.70	O/R
MOR0365010	36.50	38.50	1.00	O/R	O/R	2.25
MOR0365015	36.50	39.50	1.50	O/R	O/R	1.90
MOR0365020	36.50	40.50	2.00	0.85	0.95	2.55
MOR0365025	36.50	41.50	2.50	0.85	0.95	3.25
MOR0365026	36.50	41.80	2.65	0.90	1.00	3.25
MOR0365030	36.50	42.50	3.00	0.90	1.00	4.45
MOR0365035	36.50	43.60	3.55	O/R	O/R	4.95
MOR0365037	36.50	44.00	3.75	O/R	O/R	5.50
MOR0366025	36.60	41.60	2.50	0.85	0.95	O/R
MOR0367020	36.70	40.70	2.00	0.85	0.95	O/R
MOR0368010	36.80	38.80	1.00	0.85	0.95	O/R
MOR0368012	36.80	39.20	1.20	0.85	0.95	O/R
MOR0368030	36.80	42.80	3.00	0.90	1.00	O/R
MOR0370010	37.00	39.00	1.00	0.85	0.95	2.25

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0370015	37.00	40.00	1.50	0.85	0.95	1.95
MOR0370016	37.00	40.20	1.60	O/R	O/R	1.95
MOR0370020	37.00	41.00	2.00	0.60	0.65	2.30
MOR0370022	37.00	41.40	2.20	O/R	O/R	3.20
MOR0370025	37.00	42.00	2.50	0.85	0.95	2.90
MOR0370026	37.00	42.20	2.60	0.90	1.00	O/R
MOR0370030	37.00	43.00	3.00	0.60	0.70	3.20
MOR0370035	37.00	44.00	3.50	1.15	1.35	4.95
MOR0370040	37.00	45.00	4.00	1.20	1.40	5.50
MOR0370045	37.00	46.00	4.50	1.45	1.70	6.45
MOR0370050	37.00	47.00	5.00	1.45	1.70	9.10
MOR0370055	37.00	48.00	5.50	1.65	1.85	10.15
MOR0370060	37.00	49.00	6.00	O/R	O/R	11.00
MOR0370070	37.00	51.00	7.00	4.05	4.60	O/R
MOR0371010	37.10	39.10	1.00	0.85	0.95	O/R
MOR0371016	37.10	40.30	1.60	0.60	0.65	1.70
MOR0372030	37.20	43.20	3.00	0.60	0.70	3.25
MOR0372057	37.20	48.60	5.70	1.65	1.85	9.60
MOR0373015	37.30	40.30	1.50	0.85	0.95	O/R
MOR0373035	37.30	44.30	3.50	1.15	1.35	O/R
MOR0373036	37.30	44.50	3.60	1.20	1.40	4.55
MOR0373046	37.30	46.50	4.60	1.45	1.70	O/R
MOR0374030	37.47	43.47	3.00	0.60	0.70	4.55
MOR0375015	37.50	40.50	1.50	0.85	0.95	1.95
MOR0375018	37.50	41.10	1.80	O/R	O/R	1.95
MOR0375020	37.50	41.50	2.00	O/R	O/R	2.65
MOR0375025	37.50	42.50	2.50	O/R	O/R	3.35
MOR0375026	37.50	42.80	2.65	0.90	1.00	3.35
MOR0375030	37.50	43.50	3.00	0.60	0.70	4.55
MOR0375031	37.50	43.80	3.15	1.15	1.35	4.50
MOR0375035	37.50	44.60	3.55	1.15	1.35	4.95
MOR0375040	37.50	45.50	4.00	O/R	O/R	5.65
MOR0375045	37.50	46.50	4.50	O/R	O/R	6.55
MOR0376012	37.60	40.00	1.20	0.85	0.95	O/R
MOR0376024	37.60	42.40	2.40	0.85	0.95	3.20
MOR0377022	37.75	42.15	2.20	O/R	O/R	3.35
MOR0378020	37.80	41.80	2.00	0.85	0.95	O/R
MOR0380010	38.00	40.00	1.00	0.85	0.95	O/R
MOR0380015	38.00	41.00	1.50	0.85	0.95	2.30
MOR0380020	38.00	42.00	2.00	0.60	0.65	2.40
MOR0380022	38.00	42.40	2.20	0.85	0.95	O/R
MOR0380025	38.00	43.00	2.50	0.85	0.95	3.40
MOR0380030	38.00	44.00	3.00	0.60	0.70	3.30
MOR0380033	38.00	44.60	3.30	1.15	1.35	O/R
MOR0380035	38.00	45.00	3.50	1.15	1.35	4.95
MOR0380040	38.00	46.00	4.00	0.95	1.10	5.15
MOR0380045	38.00	47.00	4.50	1.45	1.70	6.70
MOR0380050	38.00	48.00	5.00	1.20	1.35	8.80

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0380053	38.00	48.60	5.30	O/R	O/R	9.60
MOR0380060	38.00	50.00	6.00	1.65	1.85	11.25
MOR0380065	38.00	51.00	6.50	O/R	O/R	13.10
MOR0380070	38.00	52.00	7.00	4.05	4.60	14.70
MOR0381011	38.10	40.30	1.10	0.85	0.95	O/R
MOR0381022	38.10	42.50	2.20	0.85	0.95	O/R
MOR0381030	38.10	44.10	3.00	O/R	O/R	4.50
MOR0382020	38.20	42.20	2.00	0.85	0.95	O/R
MOR0382050	38.20	48.20	5.00	1.45	1.70	O/R
MOR0383036	38.30	45.50	3.60	O/R	O/R	5.05
MOR0383040	38.30	46.30	4.00	1.20	1.40	O/R
MOR0384016	38.40	41.60	1.60	0.85	0.95	O/R
MOR0384040	38.40	46.40	4.00	1.20	1.40	O/R
MOR0385015	38.50	41.50	1.50	0.85	0.95	2.30
MOR0385020	38.50	42.50	2.00	O/R	O/R	2.75
MOR0385025	38.50	43.50	2.50	0.85	0.95	3.40
MOR0385030	38.50	44.50	3.00	O/R	O/R	4.55
MOR0385040	38.50	46.50	4.00	1.20	1.40	O/R
MOR0387026	38.70	44.00	2.65	O/R	O/R	3.40
MOR0387035	38.70	45.80	3.55	O/R	0.65	5.05
MOR0389010	38.90	40.90	1.00	O/R	O/R	2.40
MOR0389014	38.90	41.80	1.45	0.85	0.95	O/R
MOR0390010	39.00	41.00	1.00	0.85	0.95	2.65
MOR0390012	39.00	41.40	1.20	0.85	0.95	2.25
MOR0390015	39.00	42.00	1.50	0.85	0.95	2.40
MOR0390016	39.00	42.20	1.60	0.85	0.95	O/R
MOR0390020	39.00	43.00	2.00	0.85	0.95	2.85
MOR0390022	39.00	43.40	2.20	0.85	0.95	O/R
MOR0390023	39.00	43.60	2.30	0.85	0.95	O/R
MOR0390025	39.00	44.00	2.50	0.85	0.95	3.45
MOR0390030	39.00	45.00	3.00	0.60	0.70	3.35
MOR0390032	39.00	45.40	3.20	1.15	1.35	O/R
MOR0390035	39.00	46.00	3.50	O/R	O/R	5.05
MOR0390040	39.00	47.00	4.00	1.20	1.40	5.70
MOR0390045	39.00	48.00	4.50	O/R	O/R	6.80
MOR0390050	39.00	49.00	5.00	1.45	1.70	9.45
MOR0390055	39.00	50.00	5.50	1.65	1.85	10.40
MOR0390060	39.00	51.00	6.00	1.65	1.85	11.40
MOR0391013	39.10	41.70	1.30	0.85	0.95	O/R
MOR0391023	39.10	43.70	2.30	0.85	0.95	O/R
MOR0392010	39.20	41.20	1.00	O/R	O/R	2.40
MOR0392020	39.20	43.20	2.00	0.85	0.95	O/R
MOR0392025	39.20	44.20	2.50	0.85	0.95	O/R
MOR0392030	39.20	45.20	3.00	0.60	0.70	3.40
MOR0392039	39.20	47.00	3.90	1.20	1.40	O/R
MOR0392050	39.20	49.20	5.00	1.45	1.70	O/R
MOR0392057	39.20	50.60	5.70	1.35	1.50	9.90
MOR0392012	39.25	41.75	1.25	0.85	0.95	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0394031	39.40	45.60	3.10	1.15	0.50	O/R
MOR0395012	39.50	41.90	1.20	0.85	0.95	O/R
MOR0395015	39.50	42.50	1.50	O/R	O/R	2.40
MOR0395016	39.50	42.70	1.60	0.85	0.95	O/R
MOR0395020	39.50	43.50	2.00	O/R	O/R	2.85
MOR0395025	39.50	44.50	2.50	0.85	0.95	3.45
MOR0395030	39.50	45.50	3.00	O/R	O/R	4.65
MOR0395032	39.50	46.00	3.25	1.15	1.35	O/R
MOR0395055	39.50	50.50	5.50	1.65	1.85	O/R
MOR0396024	39.60	44.40	2.40	0.85	0.95	2.90
MOR0397043	39.70	48.40	4.35	1.45	1.70	O/R
MOR0397030	39.76	45.76	3.00	0.90	1.00	O/R
MOR0398022	39.80	44.20	2.20	0.85	0.95	O/R
MOR0400010	40.00	42.00	1.00	0.85	0.95	O/R
MOR0400012	40.00	42.40	1.20	0.85	0.95	O/R
MOR0400015	40.00	43.00	1.50	0.85	0.95	2.40
MOR0400016	40.00	43.20	1.60	0.85	0.95	O/R
MOR0400018	40.00	43.60	1.80	0.85	0.95	O/R
MOR0400020	40.00	44.00	2.00	0.60	0.65	2.90
MOR0400025	40.00	45.00	2.50	0.60	0.65	3.55
MOR0400028	40.00	45.60	2.80	0.90	1.00	O/R
MOR0400030	40.00	46.00	3.00	0.60	0.70	3.45
MOR0400032	40.00	46.40	3.20	1.15	1.35	O/R
MOR0400035	40.00	47.00	3.50	1.15	1.35	5.15
MOR0400035-1	40.00	47.10	3.55	1.15	1.35	5.15
MOR0400040	40.00	48.00	4.00	0.95	1.10	5.20
MOR0400045	40.00	49.00	4.50	1.45	1.70	8.80
MOR0400050	40.00	50.00	5.00	1.20	1.35	8.90
MOR0400052	40.00	50.50	5.25	1.65	1.85	O/R
MOR0400053	40.00	50.60	5.30	1.65	1.85	9.60
MOR0400055	40.00	51.00	5.50	1.65	1.85	10.55
MOR0400060	40.00	52.00	6.00	1.65	1.85	11.60
MOR0400070	40.00	54.00	7.00	4.05	4.60	O/R
MOR0400080	40.00	56.00	8.00	6.70	7.65	O/R
MOR0400100	40.00	60.00	10.00	O/R	O/R	34.60
MOR0402017	40.20	43.70	1.75	0.95	1.10	O/R
MOR0402030	40.20	46.20	3.00	0.80	0.90	3.50
MOR0402053	40.20	50.80	5.30	1.75	2.00	O/R
MOR0403024	40.30	45.10	2.40	0.95	1.10	O/R
MOR0405024	40.50	45.30	2.40	0.95	1.10	O/R
MOR0405045	40.50	49.50	4.50	O/R	O/R	7.00
MOR0407030	40.70	46.70	3.00	1.00	1.10	O/R
MOR0410010	41.00	43.00	1.00	0.95	1.10	2.65
MOR0410015	41.00	44.00	1.50	0.95	1.10	2.30
MOR0410016	41.00	44.20	1.60	0.95	1.10	O/R
MOR0410018	41.00	44.60	1.80	0.95	1.10	O/R
MOR0410020	41.00	45.00	2.00	0.95	1.10	2.95
MOR0410025	41.00	46.00	2.50	0.95	1.10	4.45

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0410030	41.00	47.00	3.00	0.80	0.90	3.50
MOR0410035	41.00	48.00	3.50	1.20	1.40	5.30
MOR0410040	41.00	49.00	4.00	O/R	O/R	5.90
MOR0410045	41.00	50.00	4.50	O/R	O/R	8.90
MOR0410050	41.00	51.00	5.00	1.55	1.80	9.60
MOR0410060	41.00	53.00	6.00	1.75	2.00	11.80
MOR0410080	41.00	57.00	8.00	O/R	O/R	42.75
MOR0412016	41.20	44.40	1.60	0.95	1.10	O/R
MOR0412030	41.20	47.20	3.00	1.00	1.10	4.80
MOR0412035	41.20	48.30	3.55	1.20	1.40	5.40
MOR0412053	41.20	51.80	5.30	O/R	O/R	10.05
MOR0412057	41.20	52.60	5.70	1.75	2.00	10.05
MOR0413016	41.30	44.50	1.60	0.95	1.10	O/R
MOR0413018	41.30	44.90	1.80	0.95	1.10	O/R
MOR0414053	41.40	52.00	5.30	O/R	O/R	10.15
MOR0415015	41.50	44.50	1.50	0.95	1.10	2.45
MOR0415025	41.50	46.50	2.50	O/R	O/R	4.50
MOR0415030	41.50	47.50	3.00	0.80	0.90	4.80
MOR0415035	41.50	48.60	3.55	O/R	O/R	5.40
MOR0415045	41.50	50.50	4.50	O/R	O/R	8.90
MOR0415060	41.50	53.50	6.00	O/R	O/R	11.95
MOR0416024	41.60	46.40	2.40	0.95	1.10	3.40
MOR0420010	42.00	44.00	1.00	0.95	1.10	O/R
MOR0420011	42.00	44.30	1.15	O/R	1.10	O/R
MOR0420015	42.00	45.00	1.50	0.95	O/R	2.45
MOR0420016	42.00	45.20	1.60	0.95	1.10	O/R
MOR0420020	42.00	46.00	2.00	0.65	0.75	2.95
MOR0420022	42.00	46.50	2.25	0.95	1.10	O/R
MOR0420025	42.00	47.00	2.50	0.65	0.75	3.15
MOR0420027	42.00	47.40	2.70	1.00	1.10	O/R
MOR0420030	42.00	48.00	3.00	0.80	0.90	4.45
MOR0420031	42.00	48.30	3.15	1.20	1.40	O/R
MOR0420032	42.00	48.40	3.20	1.20	1.40	O/R
MOR0420035	42.00	49.00	3.50	1.20	1.40	5.40
MOR0420040	42.00	50.00	4.00	1.10	1.25	5.40
MOR0420045	42.00	51.00	4.50	1.55	1.80	8.90
MOR0420050	42.00	52.00	5.00	1.25	1.40	9.75
MOR0420053	42.00	52.60	5.30	1.75	2.00	O/R
MOR0420055	42.00	53.00	5.50	1.75	2.00	O/R
MOR0420060	42.00	54.00	6.00	1.75	2.00	12.00
MOR0420070	42.00	56.00	7.00	4.80	5.50	15.90
MOR0420080	42.00	58.00	8.00	7.95	9.10	43.20
MOR0420090	42.00	60.00	9.00	8.75	10.00	O/R
MOR0422015	42.20	45.20	1.50	0.95	1.10	O/R
MOR0422024	42.20	47.00	2.40	O/R	O/R	3.40
MOR0422030	42.20	48.20	3.00	0.80	0.90	4.50
MOR0422057	42.20	53.60	5.70	O/R	O/R	11.15
MOR0424012	42.40	44.80	1.20	0.95	1.10	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0424050	42.40	52.40	5.00	1.55	1.80	O/R
MOR0425018	42.50	46.10	1.80	O/R	O/R	2.50
MOR0425020	42.50	46.50	2.00	O/R	O/R	2.95
MOR0425027	42.50	47.90	2.70	1.00	1.10	O/R
MOR0425028	42.50	48.10	2.80	1.00	1.10	O/R
MOR0425030	42.50	48.50	3.00	O/R	O/R	4.80
MOR0425035	42.50	49.60	3.55	1.20	1.40	5.45
MOR0425040	42.50	50.50	4.00	1.35	1.55	O/R
MOR0425050	42.50	52.50	5.00	1.55	1.80	9.75
MOR0425051	42.50	52.80	5.15	2.15	2.45	O/R
MOR0425053	42.50	53.10	5.30	O/R	O/R	10.20
MOR0428037	42.80	50.20	3.70	1.35	1.55	O/R
MOR0430013	43.00	45.60	1.30	0.95	1.10	O/R
MOR0430015	43.00	46.00	1.50	O/R	O/R	2.45
MOR0430016	43.00	46.20	1.60	0.95	1.10	2.45
MOR0430020	43.00	47.00	2.00	0.95	1.10	3.00
MOR0430025	43.00	48.00	2.50	0.95	1.10	4.50
MOR0430030	43.00	49.00	3.00	0.80	0.90	4.90
MOR0430035	43.00	50.00	3.50	1.20	1.40	5.45
MOR0430040	43.00	51.00	4.00	1.35	1.55	6.10
MOR0430045	43.00	52.00	4.50	O/R	O/R	9.05
MOR0430050	43.00	53.00	5.00	1.55	1.80	9.15
MOR0430055	43.00	54.00	5.50	O/R	O/R	11.15
MOR0430060	43.00	55.00	6.00	1.75	2.00	12.25
MOR0434036	43.40	50.60	3.60	1.35	1.55	4.95
MOR0434053	43.40	54.00	5.30	1.75	2.00	O/R
MOR0435016	43.50	46.70	1.60	O/R	O/R	2.45
MOR0435030	43.50	49.50	3.00	1.00	1.10	4.95
MOR0435040	43.50	51.50	4.00	1.35	1.55	O/R
MOR0436030	43.69	49.69	3.00	1.00	1.10	4.95
MOR0437035	43.70	50.80	3.55	1.20	0.75	5.65
MOR0437053	43.70	54.30	5.30	1.75	2.00	10.40
MOR0440010	44.00	46.00	1.00	0.95	1.10	O/R
MOR0440015	44.00	47.00	1.50	0.95	1.10	2.50
MOR0440020	44.00	48.00	2.00	0.95	1.10	3.00
MOR0440025	44.00	49.00	2.50	0.95	1.10	4.55
MOR0440030	44.00	50.00	3.00	0.80	0.90	4.60
MOR0440035	44.00	51.00	3.50	1.20	1.40	5.65
MOR0440036	44.00	51.30	3.65	1.35	1.55	O/R
MOR0440037	44.00	51.40	3.70	1.35	1.55	O/R
MOR0440040	44.00	52.00	4.00	1.10	1.25	5.50
MOR0440045	44.00	53.00	4.50	1.55	1.80	9.00
MOR0440050	44.00	54.00	5.00	1.55	1.80	9.90
MOR0440055	44.00	55.00	5.50	1.75	2.00	O/R
MOR0440060	44.00	56.00	6.00	1.75	2.00	12.45
MOR0440080	44.00	60.00	8.00	7.95	9.10	O/R
MOR0440100	44.00	64.00	10.00	12.20	13.95	O/R
MOR0441025	44.12	49.12	2.50	0.95	1.10	4.55

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0442020	44.20	48.20	2.00	0.95	1.10	3.00
MOR0442023	44.20	48.80	2.30	O/R	O/R	4.45
MOR0442030	44.20	50.20	3.00	0.80	0.90	4.60
MOR0442057	44.20	55.60	5.70	1.40	1.60	10.55
MOR0443057	44.30	55.70	5.70	1.75	2.00	10.55
MOR0444031	44.40	50.60	3.10	1.20	0.55	O/R
MOR0444048	44.40	54.00	4.80	1.55	1.80	O/R
MOR0445015	44.50	47.50	1.50	0.95	1.10	O/R
MOR0445024	44.50	49.30	2.40	0.95	1.10	O/R
MOR0445030	44.50	50.50	3.00	0.80	0.90	4.95
MOR0445060	44.50	56.50	6.00	O/R	O/R	12.50
MOR0446024	44.60	49.40	2.40	O/R	1.10	4.45
MOR0446034	44.60	51.40	3.40	0.95	O/R	O/R
MOR0447035	44.70	51.70	3.50	1.20	0.85	O/R
MOR0450010	45.00	47.00	1.00	0.95	1.10	2.60
MOR0450012	45.00	47.40	1.20	0.95	1.10	O/R
MOR0450015	45.00	48.00	1.50	0.95	1.10	2.30
MOR0450018	45.00	48.60	1.80	0.95	1.10	O/R
MOR0450020	45.00	49.00	2.00	0.65	0.75	2.80
MOR0450025	45.00	50.00	2.50	0.65	0.75	3.35
MOR0450030	45.00	51.00	3.00	0.80	0.90	4.60
MOR0450035	45.00	52.00	3.50	1.20	1.40	5.70
MOR0450035-1	45.00	52.10	3.55	1.20	1.40	5.75
MOR0450040	45.00	53.00	4.00	1.10	1.25	6.30
MOR0450045	45.00	54.00	4.50	1.55	1.80	9.10
MOR0450050	45.00	55.00	5.00	1.25	1.40	9.30
MOR0450053	45.00	55.60	5.30	O/R	O/R	10.55
MOR0450055	45.00	56.00	5.50	1.75	2.00	11.55
MOR0450060	45.00	57.00	6.00	1.75	2.00	12.60
MOR0450070	45.00	59.00	7.00	4.80	5.50	16.85
MOR0450080	45.00	61.00	8.00	7.95	9.10	O/R
MOR0450100	45.00	65.00	10.00	O/R	O/R	64.70
MOR0452030	45.20	51.20	3.00	0.95	1.05	4.60
MOR0452057	45.20	56.60	5.70	1.60	1.85	10.70
MOR0453057	45.30	56.70	5.70	2.15	2.45	10.70
MOR0455010	45.50	47.50	1.00	1.10	1.25	O/R
MOR0455015	45.50	48.50	1.50	1.10	1.25	O/R
MOR0455020	45.50	49.50	2.00	1.10	1.25	O/R
MOR0455025	45.50	50.50	2.50	1.10	1.25	4.60
MOR0455055	45.50	56.50	5.50	2.15	2.45	O/R
MOR0456012	45.60	48.00	1.20	1.10	1.25	O/R
MOR0456015	45.60	48.60	1.50	1.10	1.25	O/R
MOR0456024	45.60	50.40	2.40	O/R	O/R	4.45
MOR0457015	45.70	48.70	1.50	1.10	1.25	O/R
MOR0460010	46.00	48.00	1.00	1.10	1.25	O/R
MOR0460015	46.00	49.00	1.50	O/R	O/R	2.70
MOR0460016	46.00	49.20	1.60	1.10	1.25	O/R
MOR0460020	46.00	50.00	2.00	0.85	1.00	2.75

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0460025	46.00	51.00	2.50	1.10	1.25	4.60
MOR0460030	46.00	52.00	3.00	0.95	1.05	4.60
MOR0460035	46.00	53.00	3.50	O/R	O/R	5.80
MOR0460038	46.00	53.60	3.80	1.45	1.70	O/R
MOR0460040	46.00	54.00	4.00	1.45	1.70	5.70
MOR0460042	46.00	54.40	4.20	1.95	2.25	O/R
MOR0460045	46.00	55.00	4.50	1.95	2.25	9.25
MOR0460050	46.00	56.00	5.00	1.45	1.65	10.15
MOR0460060	46.00	58.00	6.00	2.15	2.45	12.85
MOR0460070	46.00	60.00	7.00	5.10	5.85	O/R
MOR0460080	46.00	62.00	8.00	O/R	O/R	43.55
MOR0462015	46.20	49.20	1.50	O/R	O/R	2.75
MOR0462020	46.20	50.20	2.00	1.10	1.25	O/R
MOR0462030	46.20	52.20	3.00	0.95	1.05	4.60
MOR0462035	46.20	53.30	3.55	1.40	1.60	5.80
MOR0462053	46.20	56.80	5.30	2.15	2.45	10.70
MOR0465018	46.50	50.10	1.80	1.10	1.25	O/R
MOR0465025	46.50	51.50	2.50	1.10	1.25	O/R
MOR0465030	46.50	52.50	3.00	O/R	O/R	4.95
MOR0465050	46.50	56.50	5.00	1.95	2.25	O/R
MOR0466016	46.60	49.80	1.60	1.10	1.25	O/R
MOR0467010	46.70	48.70	1.00	O/R	O/R	3.05
MOR0467025	46.70	51.70	2.50	1.10	1.25	O/R
MOR0470010	47.00	49.00	1.00	1.10	1.25	3.05
MOR0470012	47.00	49.40	1.20	1.10	1.25	O/R
MOR0470015	47.00	50.00	1.50	1.10	1.25	2.75
MOR0470020	47.00	51.00	2.00	0.85	1.00	3.25
MOR0470025	47.00	52.00	2.50	1.10	1.25	3.40
MOR0470030	47.00	53.00	3.00	0.95	1.05	4.95
MOR0470035	47.00	54.00	3.50	O/R	O/R	5.85
MOR0470040	47.00	55.00	4.00	1.20	1.35	6.55
MOR0470045	47.00	56.00	4.50	1.95	2.25	9.30
MOR0470050	47.00	57.00	5.00	1.45	1.65	10.35
MOR0470055	47.00	58.00	5.50	2.15	2.45	O/R
MOR0470060	47.00	59.00	6.00	2.15	2.45	13.10
MOR0470067	47.00	60.40	6.70	5.10	5.85	O/R
MOR0470070	47.00	61.00	7.00	O/R	O/R	17.45
MOR0471010	47.11	49.11	1.00	1.10	1.25	3.15
MOR0472057	47.20	58.60	5.70	1.60	1.85	10.85
MOR0474040	47.40	55.40	4.00	1.45	1.70	O/R
MOR0474048	47.40	57.00	4.80	1.95	2.25	O/R
MOR0475015	47.50	50.50	1.50	O/R	O/R	2.85
MOR0475031	47.50	53.80	3.15	1.40	1.60	O/R
MOR0475035	47.50	54.60	3.55	1.40	1.60	O/R
MOR0475040	47.50	55.50	4.00	1.45	1.70	O/R
MOR0475053	47.50	58.10	5.30	2.15	2.45	10.85
MOR0475065	47.50	60.50	6.50	O/R	O/R	15.85
MOR0476024	47.60	52.40	2.40	1.10	1.25	3.25

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0478030	47.80	53.80	3.00	1.15	1.35	O/R
MOR0480010	48.00	50.00	1.00	1.10	1.25	O/R
MOR0480012	48.00	50.40	1.20	1.10	1.25	O/R
MOR0480015	48.00	51.00	1.50	1.10	1.25	2.85
MOR0480015-1	48.00	51.10	1.55	1.10	1.25	O/R
MOR0480020	48.00	52.00	2.00	0.85	1.00	2.95
MOR0480022	48.00	52.40	2.20	1.10	1.25	O/R
MOR0480025	48.00	53.00	2.50	1.10	1.25	4.70
MOR0480030	48.00	54.00	3.00	0.95	1.05	4.60
MOR0480035	48.00	55.00	3.50	O/R	O/R	5.85
MOR0480040	48.00	56.00	4.00	1.20	1.35	5.90
MOR0480042	48.00	56.40	4.20	1.95	2.25	O/R
MOR0480045	48.00	57.00	4.50	O/R	O/R	9.45
MOR0480050	48.00	58.00	5.00	O/R	O/R	9.60
MOR0480055	48.00	59.00	5.50	2.15	2.45	11.80
MOR0480060	48.00	60.00	6.00	2.15	2.45	13.35
MOR0480065	48.00	61.00	6.50	O/R	O/R	16.00
MOR0480075	48.00	63.00	7.50	8.60	9.80	O/R
MOR0480080	48.00	64.00	8.00	O/R	O/R	43.90
MOR0481012	48.10	50.50	1.20	1.10	1.25	O/R
MOR0482012	48.20	50.60	1.20	1.10	1.25	O/R
MOR0482034	48.20	55.00	3.40	1.40	1.60	O/R
MOR0484035	48.40	55.40	3.50	1.40	1.60	O/R
MOR0485040	48.50	56.50	4.00	1.45	1.70	O/R
MOR0487035	48.70	55.80	3.55	O/R	0.95	5.85
MOR0487053	48.70	59.30	5.30	O/R	O/R	11.00
MOR0490010	49.00	51.00	1.00	1.10	1.25	3.25
MOR0490015	49.00	52.00	1.50	1.10	1.25	2.95
MOR0490016	49.00	52.20	1.60	1.10	1.25	O/R
MOR0490020	49.00	53.00	2.00	1.10	1.25	3.40
MOR0490025	49.00	54.00	2.50	1.10	1.25	4.90
MOR0490030	49.00	55.00	3.00	0.95	1.05	4.70
MOR0490033	49.00	55.60	3.30	1.40	1.60	O/R
MOR0490035	49.00	56.00	3.50	1.40	1.60	5.90
MOR0490040	49.00	57.00	4.00	O/R	O/R	6.80
MOR0490045	49.00	58.00	4.50	1.95	2.25	9.45
MOR0490050	49.00	59.00	5.00	O/R	O/R	10.55
MOR0490060	49.00	61.00	6.00	2.15	2.45	13.45
MOR0491058	49.10	60.70	5.80	2.15	2.45	O/R
MOR0492018	49.20	52.80	1.80	1.10	1.25	O/R
MOR0492025	49.20	54.20	2.50	O/R	O/R	4.75
MOR0492030	49.20	55.20	3.00	1.15	1.35	5.10
MOR0492057	49.20	60.60	5.70	1.60	1.85	11.00
MOR0493057	49.30	60.70	5.70	2.15	2.45	11.00
MOR0494031	49.40	55.60	3.10	1.40	0.75	O/R
MOR0495020	49.50	53.50	2.00	O/R	O/R	4.45
MOR0495030	49.50	55.50	3.00	0.95	1.05	4.65
MOR0496024	49.60	54.40	2.40	O/R	O/R	4.65

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0496057	49.60	61.00	5.70	2.15	2.05	O/R
MOR0497025	49.70	54.70	2.50	1.10	1.25	O/R
MOR0500010	50.00	52.00	1.00	1.10	1.25	O/R
MOR0500012	50.00	52.40	1.20	1.10	1.25	O/R
MOR0500015	50.00	53.00	1.50	1.10	1.25	3.00
MOR0500020	50.00	54.00	2.00	0.85	1.00	4.45
MOR0500023	50.00	54.70	2.35	1.10	1.25	O/R
MOR0500025	50.00	55.00	2.50	0.85	1.00	4.40
MOR0500028	50.00	55.60	2.80	1.15	1.35	O/R
MOR0500030	50.00	56.00	3.00	0.95	1.05	4.70
MOR0500035	50.00	57.00	3.50	1.40	1.60	5.95
MOR0500035-1	50.00	57.10	3.55	O/R	O/R	5.95
MOR0500040	50.00	58.00	4.00	1.20	1.35	6.00
MOR0500045	50.00	59.00	4.50	1.95	2.25	9.60
MOR0500050	50.00	60.00	5.00	1.45	1.65	9.75
MOR0500053	50.00	60.60	5.30	2.15	2.45	11.00
MOR0500055	50.00	61.00	5.50	2.15	2.45	11.95
MOR0500057	50.00	61.40	5.70	O/R	O/R	12.60
MOR0500060	50.00	62.00	6.00	2.15	2.45	13.60
MOR0500065	50.00	63.00	6.50	5.10	5.85	O/R
MOR0500068	50.00	63.60	6.80	5.10	5.85	O/R
MOR0500070	50.00	64.00	7.00	O/R	O/R	17.95
MOR0500100	50.00	70.00	10.00	O/R	O/R	38.40
MOR0501032	50.10	56.50	3.20	1.45	1.65	O/R
MOR0501033	50.10	56.70	3.30	1.45	1.65	O/R
MOR0502030	50.20	56.20	3.00	1.00	1.15	4.75
MOR0503024	50.30	55.10	2.40	O/R	O/R	4.75
MOR0505024	50.50	55.30	2.40	1.15	1.30	O/R
MOR0505030	50.50	56.50	3.00	O/R	O/R	5.15
MOR0506012	50.60	53.10	1.25	1.15	1.30	O/R
MOR0508035-1	50.80	57.90	3.55	1.45	1.65	O/R
MOR0508120	50.80	74.80	12.00	15.15	17.30	O/R
MOR0510015	51.00	54.00	1.50	O/R	O/R	3.05
MOR0510020	51.00	55.00	2.00	1.15	1.30	4.40
MOR0510025	51.00	56.00	2.50	1.15	1.30	4.75
MOR0510030	51.00	57.00	3.00	1.00	1.15	5.15
MOR0510032	51.00	57.40	3.20	O/R	O/R	5.20
MOR0510035	51.00	58.00	3.50	1.45	1.65	6.05
MOR0510040	51.00	59.00	4.00	1.55	1.75	8.80
MOR0510043	51.00	59.60	4.30	2.35	2.70	O/R
MOR0510045	51.00	60.00	4.50	2.00	2.25	9.60
MOR0510050	51.00	61.00	5.00	2.00	2.25	10.70
MOR0512057	51.20	62.60	5.70	2.20	2.50	11.25
MOR0515020	51.50	55.50	2.00	1.15	1.30	O/R
MOR0515021	51.50	55.70	2.10	1.15	1.30	O/R
MOR0515035	51.50	58.60	3.55	1.45	1.65	6.25
MOR0515053	51.50	62.10	5.30	O/R	O/R	11.25
MOR0516022	51.60	56.00	2.20	1.15	1.30	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0516024	51.60	56.40	2.40	1.15	1.30	4.75
MOR0518030	51.80	57.80	3.00	1.00	1.15	O/R
MOR0520015	52.00	55.00	1.50	1.15	1.30	3.10
MOR0520020	52.00	56.00	2.00	0.95	1.05	4.45
MOR0520025	52.00	57.00	2.50	1.15	1.30	4.80
MOR0520030	52.00	58.00	3.00	1.25	1.40	4.80
MOR0520035	52.00	59.00	3.50	1.45	1.65	6.25
MOR0520040	52.00	60.00	4.00	1.20	1.40	6.20
MOR0520050	52.00	62.00	5.00	2.00	2.25	9.90
MOR0520057	52.00	63.40	5.70	O/R	O/R	12.85
MOR0520060	52.00	64.00	6.00	O/R	O/R	13.75
MOR0520065	52.00	65.00	6.50	O/R	O/R	16.35
MOR0520110	52.00	74.00	11.00	O/R	O/R	52.75
MOR0520130	52.00	78.00	13.00	15.85	18.10	O/R
MOR0521012	52.10	54.60	1.25	1.15	1.30	O/R
MOR0522018	52.20	55.80	1.80	O/R	1.30	O/R
MOR0522030	52.20	58.20	3.00	1.25	1.40	O/R
MOR0522057	52.20	63.60	5.70	1.65	1.90	11.40
MOR0523032	52.30	58.70	3.20	O/R	O/R	5.30
MOR0523057	52.30	63.70	5.70	2.20	2.50	11.40
MOR0524063	52.40	65.10	6.35	O/R	O/R	15.90
MOR0525018	52.50	56.10	1.80	1.15	O/R	O/R
MOR0525035	52.50	59.50	3.50	1.45	1.65	6.30
MOR0525050	52.50	62.50	5.00	O/R	O/R	10.70
MOR0525057	52.50	63.90	5.70	2.20	2.50	O/R
MOR0530015	53.00	56.00	1.50	1.15	1.30	3.10
MOR0530020	53.00	57.00	2.00	0.95	1.05	3.15
MOR0530025	53.00	58.00	2.50	1.15	1.30	4.55
MOR0530030	53.00	59.00	3.00	1.00	1.15	5.20
MOR0530035	53.00	60.00	3.50	1.45	1.65	6.45
MOR0530035-1	53.00	60.10	3.55	1.45	1.65	6.50
MOR0530040	53.00	61.00	4.00	1.55	1.75	6.30
MOR0530045	53.00	62.00	4.50	2.00	2.25	9.75
MOR0530050	53.00	63.00	5.00	2.00	2.25	9.90
MOR0530053	53.00	63.60	5.30	O/R	O/R	11.40
MOR0530055	53.00	64.00	5.50	O/R	O/R	12.45
MOR0530060	53.00	65.00	6.00	2.20	2.50	14.00
MOR0530065	53.00	66.00	6.50	5.05	5.75	O/R
MOR0530030-1	53.09	59.09	3.00	1.25	1.40	5.25
MOR0532015	53.20	56.20	1.50	O/R	O/R	3.15
MOR0535020	53.50	57.50	2.00	1.15	1.30	O/R
MOR0536026	53.64	58.94	2.65	1.25	1.40	O/R
MOR0539063	53.98	66.68	6.35	5.05	5.75	O/R
MOR0540015	54.00	57.00	1.50	1.15	1.30	3.15
MOR0540020	54.00	58.00	2.00	1.15	1.30	4.50
MOR0540025	54.00	59.00	2.50	1.15	1.30	4.50
MOR0540030	54.00	60.00	3.00	1.00	1.15	4.85
MOR0540035	54.00	61.00	3.50	O/R	O/R	6.70

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0540040	54.00	62.00	4.00	1.20	1.40	6.45
MOR0540050	54.00	64.00	5.00	2.00	2.25	11.00
MOR0540055	54.00	65.00	5.50	2.20	2.50	12.50
MOR0540060	54.00	66.00	6.00	2.20	2.50	14.25
MOR0540070	54.00	68.00	7.00	5.05	5.75	18.80
MOR0540080	54.00	70.00	8.00	8.60	9.80	29.15
MOR0542030	54.20	60.20	3.00	1.25	1.40	5.25
MOR0542057	54.20	65.60	5.70	1.65	1.90	11.75
MOR0543057	54.30	65.70	5.70	2.20	2.50	11.75
MOR0544053	54.40	65.00	5.30	O/R	O/R	11.75
MOR0545025	54.50	59.50	2.50	O/R	O/R	4.90
MOR0545030	54.50	60.50	3.00	1.00	1.15	4.85
MOR0545035	54.50	61.60	3.55	O/R	O/R	6.80
MOR0546024	54.60	59.40	2.40	1.15	1.30	4.85
MOR0546057	54.60	66.00	5.70	2.20	2.60	O/R
MOR0547014	54.70	57.50	1.40	1.15	1.30	O/R
MOR0547020	54.75	58.75	2.00	1.15	1.30	O/R
MOR0550010	55.00	57.00	1.00	1.15	1.30	O/R
MOR0550012	55.00	57.40	1.20	1.15	1.30	O/R
MOR0550015	55.00	58.00	1.50	1.15	1.30	3.15
MOR0550020	55.00	59.00	2.00	0.95	1.05	4.55
MOR0550024	55.00	59.80	2.40	1.15	1.30	O/R
MOR0550025	55.00	60.00	2.50	1.15	1.30	4.90
MOR0550030	55.00	61.00	3.00	1.00	1.15	4.85
MOR0550032	55.00	61.40	3.20	1.45	1.65	O/R
MOR0550035	55.00	62.00	3.50	1.45	1.65	6.80
MOR0550040	55.00	63.00	4.00	1.20	1.40	6.55
MOR0550045	55.00	64.00	4.50	2.00	2.25	9.90
MOR0550050	55.00	65.00	5.00	1.50	1.70	10.15
MOR0550060	55.00	67.00	6.00	2.20	2.50	14.45
MOR0550065	55.00	68.00	6.50	5.05	5.75	O/R
MOR0550067	55.00	68.50	6.75	5.05	5.75	O/R
MOR0550080	55.00	71.00	8.00	O/R	O/R	48.95
MOR0550090	55.00	73.00	9.00	9.85	11.25	O/R
MOR0552030	55.20	61.20	3.00	1.05	1.20	4.85
MOR0552057	55.20	66.60	5.70	2.65	3.00	O/R
MOR0553057	55.30	66.70	5.70	2.65	3.00	13.45
MOR0555030	55.50	61.50	3.00	1.30	1.50	O/R
MOR0555050	55.50	65.50	5.00	2.35	2.70	O/R
MOR0556057	55.60	67.00	5.70	2.65	2.60	O/R
MOR0560015	56.00	59.00	1.50	O/R	O/R	3.20
MOR0560016	56.00	59.20	1.60	1.25	1.40	O/R
MOR0560020	56.00	60.00	2.00	1.00	1.15	3.30
MOR0560025	56.00	61.00	2.50	1.25	1.40	5.00
MOR0560030	56.00	62.00	3.00	1.05	1.20	4.85
MOR0560035	56.00	63.00	3.50	1.60	1.85	8.80
MOR0560035-1	56.00	63.10	3.55	O/R	O/R	8.80
MOR0560040	56.00	64.00	4.00	1.35	1.55	9.00

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0560045	56.00	65.00	4.50	2.35	2.70	10.05
MOR0560050	56.00	66.00	5.00	2.35	2.70	11.25
MOR0560052	56.00	66.40	5.20	2.65	3.00	O/R
MOR0560053	56.00	66.60	5.30	2.65	3.00	12.00
MOR0560058	56.00	67.60	5.80	2.65	3.00	O/R
MOR0560060	56.00	68.00	6.00	2.65	3.00	14.70
MOR0560065	56.00	69.00	6.50	O/R	O/R	17.35
MOR0560075	56.00	71.00	7.50	8.60	9.80	O/R
MOR0560080	56.00	72.00	8.00	O/R	O/R	29.55
MOR0560100	56.00	76.00	10.00	O/R	O/R	74.75
MOR0562030	56.20	62.20	3.00	1.05	1.20	4.90
MOR0565020	56.50	60.50	2.00	1.25	1.40	O/R
MOR0565023	56.50	61.10	2.30	1.25	1.40	O/R
MOR0565025	56.50	61.50	2.50	1.25	1.40	O/R
MOR0565072	56.50	70.90	7.20	8.60	9.80	O/R
MOR0566024	56.60	61.40	2.40	1.25	1.40	O/R
MOR0567028	56.70	62.30	2.80	1.30	1.50	O/R
MOR0570013	57.00	59.60	1.30	O/R	O/R	3.30
MOR0570015	57.00	60.00	1.50	1.25	1.40	3.30
MOR0570020	57.00	61.00	2.00	1.25	1.40	3.35
MOR0570025	57.00	62.00	2.50	1.00	1.15	5.00
MOR0570030	57.00	63.00	3.00	1.05	1.20	4.90
MOR0570035	57.00	64.00	3.50	1.60	1.85	7.00
MOR0570040	57.00	65.00	4.00	1.35	1.55	6.70
MOR0570045	57.00	66.00	4.50	2.35	2.70	10.20
MOR0570050	57.00	67.00	5.00	2.35	2.70	10.40
MOR0570060	57.00	69.00	6.00	2.65	3.00	14.90
MOR0570070	57.00	71.00	7.00	5.40	6.15	19.65
MOR0570016	57.04	60.24	1.60	1.25	1.40	O/R
MOR0571016	57.15	60.35	1.60	1.25	1.40	O/R
MOR0572030	57.20	63.20	3.00	1.05	1.20	4.95
MOR0572057	57.20	68.60	5.70	2.65	3.00	14.00
MOR0573015	57.30	60.30	1.50	1.25	1.40	O/R
MOR0573070	57.35	71.35	7.00	O/R	O/R	21.90
MOR0575020	57.50	61.50	2.00	1.25	1.40	O/R
MOR0575025	57.50	62.50	2.50	O/R	O/R	5.05
MOR0575053	57.50	68.10	5.30	O/R	O/R	12.00
MOR0575070	57.50	71.50	7.00	O/R	O/R	19.90
MOR0576014	57.60	60.40	1.40	1.25	1.40	O/R
MOR0576024	57.60	62.40	2.40	1.25	1.40	4.90
MOR0577040	57.75	65.75	4.00	1.70	1.90	O/R
MOR0580010	58.00	60.00	1.00	1.25	1.40	O/R
MOR0580015	58.00	61.00	1.50	O/R	O/R	3.35
MOR0580020	58.00	62.00	2.00	1.00	1.15	3.40
MOR0580025	58.00	63.00	2.50	1.25	1.40	5.05
MOR0580030	58.00	64.00	3.00	1.05	1.20	4.95
MOR0580035	58.00	65.00	3.50	1.60	1.85	8.90
MOR0580035-1	58.00	65.10	3.55	O/R	O/R	8.90

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0580040	58.00	66.00	4.00	1.35	1.55	8.80
MOR0580050	58.00	68.00	5.00	2.35	2.70	10.55
MOR0580053	58.00	68.60	5.30	O/R	O/R	12.50
MOR0580055	58.00	69.00	5.50	O/R	O/R	13.60
MOR0580060	58.00	70.00	6.00	2.65	3.00	15.25
MOR0580080	58.00	74.00	8.00	8.60	9.80	O/R
MOR0580100	58.00	78.00	10.00	13.75	15.75	O/R
MOR0584013	58.40	61.00	1.30	1.25	1.40	O/R
MOR0584025	58.40	63.40	2.50	1.25	1.40	O/R
MOR0585025	58.50	63.50	2.50	1.25	1.40	O/R
MOR0585030	58.50	64.50	3.00	1.30	1.50	5.45
MOR0585040	58.50	66.50	4.00	1.70	1.90	O/R
MOR0585045	58.50	67.50	4.50	2.35	2.70	O/R
MOR0588042	58.80	67.20	4.20	2.35	2.70	O/R
MOR0588060	58.80	70.80	6.00	2.65	3.00	O/R
MOR0588069	58.80	72.60	6.90	5.40	6.15	O/R
MOR0590015	59.00	62.00	1.50	1.25	1.40	3.40
MOR0590020	59.00	63.00	2.00	O/R	O/R	4.70
MOR0590024	59.00	63.80	2.40	1.25	1.40	O/R
MOR0590025	59.00	64.00	2.50	1.00	1.15	5.15
MOR0590030	59.00	65.00	3.00	1.05	1.20	5.00
MOR0590035	59.00	66.00	3.50	1.60	1.85	8.90
MOR0590040	59.00	67.00	4.00	1.70	1.90	9.45
MOR0590050	59.00	69.00	5.00	2.35	2.70	11.95
MOR0590060	59.00	71.00	6.00	2.65	3.00	O/R
MOR0590065	59.00	72.00	6.50	5.40	6.15	O/R
MOR0590070	59.00	73.00	7.00	O/R	O/R	22.45
MOR0592020	59.20	63.20	2.00	O/R	O/R	4.70
MOR0592057	59.20	70.60	5.70	2.10	2.40	12.75
MOR0593050	59.30	69.30	5.00	2.35	2.70	O/R
MOR0593057	59.30	70.70	5.70	2.65	3.00	12.75
MOR0593030	59.36	65.36	3.00	1.30	1.50	5.50
MOR0594024	59.40	64.20	2.40	O/R	O/R	12.85
MOR0594028	59.40	65.00	2.80	O/R	O/R	5.50
MOR0594031	59.40	65.60	3.10	1.60	0.95	O/R
MOR0594038	59.40	67.00	3.80	1.70	1.90	O/R
MOR0594070	59.40	73.40	7.00	5.40	6.15	O/R
MOR0595020	59.50	63.50	2.00	1.25	1.40	O/R
MOR0595030	59.50	65.50	3.00	1.05	1.20	5.00
MOR0595035	59.50	66.50	3.50	O/R	O/R	8.95
MOR0595050	59.50	69.50	5.00	O/R	O/R	12.10
MOR0595060	59.50	71.50	6.00	O/R	O/R	15.75
MOR0596024	59.60	64.40	2.40	1.25	1.40	5.00
MOR0597070	59.70	73.70	7.00	5.40	6.15	O/R
MOR0600015	60.00	63.00	1.50	1.25	1.40	4.45
MOR0600020	60.00	64.00	2.00	1.00	1.15	4.70
MOR0600025	60.00	65.00	2.50	1.00	1.15	5.15
MOR0600030	60.00	66.00	3.00	1.05	1.20	5.05

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0600035	60.00	67.00	3.50	1.60	1.85	9.05
MOR0600035-1	60.00	67.10	3.55	1.60	1.85	9.05
MOR0600040	60.00	68.00	4.00	1.35	1.55	8.90
MOR0600042	60.00	68.40	4.20	2.35	2.70	O/R
MOR0600045	60.00	69.00	4.50	2.35	2.70	10.70
MOR0600046	60.00	69.20	4.60	2.35	2.70	O/R
MOR0600050	60.00	70.00	5.00	1.80	2.05	10.85
MOR0600053	60.00	70.60	5.30	2.65	3.00	12.85
MOR0600055	60.00	71.00	5.50	O/R	O/R	14.10
MOR0600060	60.00	72.00	6.00	2.65	3.00	15.90
MOR0600070	60.00	74.00	7.00	5.40	6.15	22.60
MOR0600080	60.00	76.00	8.00	8.60	9.80	O/R
MOR0600100	60.00	80.00	10.00	13.75	15.75	O/R
MOR0602030	60.20	66.20	3.00	1.55	1.80	O/R
MOR0602057	60.20	71.60	5.70	O/R	O/R	14.75
MOR0602066	60.20	73.40	6.60	5.40	6.15	O/R
MOR0605020	60.50	64.50	2.00	1.55	1.75	4.75
MOR0605022	60.50	65.00	2.25	1.55	1.75	O/R
MOR0608020	60.80	64.80	2.00	1.55	1.75	O/R
MOR0610015	61.00	64.00	1.50	1.55	1.75	4.40
MOR0610020	61.00	65.00	2.00	1.20	1.40	4.75
MOR0610025	61.00	66.00	2.50	O/R	O/R	5.20
MOR0610030	61.00	67.00	3.00	1.55	1.80	5.65
MOR0610032	61.00	67.40	3.20	2.00	2.25	O/R
MOR0610035	61.00	68.00	3.50	O/R	O/R	9.00
MOR0610040	61.00	69.00	4.00	O/R	O/R	9.60
MOR0610045	61.00	70.00	4.50	O/R	O/R	10.85
MOR0610050	61.00	71.00	5.00	2.75	3.15	12.25
MOR0610059	61.00	72.80	5.90	4.10	4.65	O/R
MOR0610060	61.00	73.00	6.00	O/R	O/R	16.15
MOR0610080	61.00	77.00	8.00	9.00	10.25	O/R
MOR0610090	61.00	79.00	9.00	10.80	12.35	O/R
MOR0612015	61.20	64.20	1.50	1.55	1.75	O/R
MOR0612042	61.20	69.60	4.20	2.75	3.15	O/R
MOR0612057	61.20	72.60	5.70	2.45	2.80	13.20
MOR0615015	61.50	64.50	1.50	1.55	1.75	O/R
MOR0615020	61.50	65.50	2.00	1.55	1.75	O/R
MOR0615025	61.50	66.50	2.50	1.55	1.75	O/R
MOR0615027	61.50	66.90	2.70	1.55	1.80	O/R
MOR0615035	61.50	68.60	3.55	2.00	2.25	9.15
MOR0615053	61.50	72.10	5.30	O/R	O/R	13.20
MOR0615075	61.50	76.50	7.50	9.00	10.25	O/R
MOR0616024	61.60	66.40	2.40	O/R	O/R	5.05
MOR0616027	61.60	67.00	2.70	1.55	1.80	O/R
MOR0620012	62.00	64.40	1.20	1.55	1.75	O/R
MOR0620015	62.00	65.00	1.50	1.55	1.75	4.45
MOR0620020	62.00	66.00	2.00	1.55	1.75	4.80
MOR0620025	62.00	67.00	2.50	1.55	1.75	5.20

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0620030	62.00	68.00	3.00	1.25	1.45	4.95
MOR0620031	62.00	68.20	3.10	2.00	2.25	O/R
MOR0620035	62.00	69.00	3.50	2.00	2.25	9.15
MOR0620040	62.00	70.00	4.00	2.00	2.25	9.05
MOR0620045	62.00	71.00	4.50	O/R	O/R	10.85
MOR0620050	62.00	72.00	5.00	2.25	2.55	11.00
MOR0620057	62.00	73.40	5.70	4.10	4.65	O/R
MOR0620060	62.00	74.00	6.00	4.10	4.65	16.35
MOR0620070	62.00	76.00	7.00	5.85	6.70	O/R
MOR0620075	62.00	77.00	7.50	9.00	10.25	O/R
MOR0620080	62.00	78.00	8.00	9.00	10.25	O/R
MOR0620100	62.00	82.00	10.00	15.40	17.60	O/R
MOR0622030	62.20	68.20	3.00	1.25	1.45	5.20
MOR0622057	62.20	73.60	5.70	2.45	2.80	13.35
MOR0623057	62.30	73.70	5.70	2.45	2.80	13.35
MOR0625015	62.50	65.50	1.50	1.55	1.75	O/R
MOR0625023	62.50	67.10	2.30	1.55	1.75	O/R
MOR0626057	62.60	74.00	5.70	4.10	3.00	O/R
MOR0628023	62.80	67.40	2.30	1.55	1.75	O/R
MOR0629024	62.90	67.70	2.40	1.55	1.75	O/R
MOR0630015	63.00	66.00	1.50	1.55	1.75	4.45
MOR0630020	63.00	67.00	2.00	1.20	1.40	4.85
MOR0630025	63.00	68.00	2.50	1.20	1.40	5.25
MOR0630030	63.00	69.00	3.00	1.55	1.80	5.70
MOR0630032	63.00	69.40	3.20	2.00	2.25	O/R
MOR0630035	63.00	70.00	3.50	2.00	2.25	9.15
MOR0630035-1	63.00	70.10	3.55	2.00	2.25	9.10
MOR0630040	63.00	71.00	4.00	2.00	2.25	9.00
MOR0630045	63.00	72.00	4.50	2.75	3.15	11.00
MOR0630050	63.00	73.00	5.00	2.75	3.15	11.25
MOR0630053	63.00	73.60	5.30	4.10	4.65	13.45
MOR0630055	63.00	74.00	5.50	O/R	O/R	14.75
MOR0630060	63.00	75.00	6.00	4.10	4.65	16.60
MOR0630070	63.00	77.00	7.00	O/R	O/R	23.30
MOR0630080	63.00	79.00	8.00	9.00	10.25	O/R
MOR0632015	63.22	66.22	1.50	1.55	1.75	O/R
MOR0634025	63.40	68.40	2.50	1.55	1.75	O/R
MOR0635025	63.50	68.50	2.50	1.55	1.75	O/R
MOR0635030	63.50	69.50	3.00	1.55	1.80	O/R
MOR0635031	63.50	69.80	3.15	2.40	2.75	O/R
MOR0635037	63.50	70.90	3.70	2.00	2.25	O/R
MOR0635040	63.50	71.50	4.00	O/R	O/R	9.75
MOR0635050	63.50	73.50	5.00	O/R	O/R	12.75
MOR0639020	63.90	67.90	2.00	1.55	1.75	O/R
MOR0640015	64.00	67.00	1.50	1.55	1.75	4.40
MOR0640016	64.00	67.20	1.60	1.55	1.75	O/R
MOR0640020	64.00	68.00	2.00	1.55	1.75	4.80
MOR0640025	64.00	69.00	2.50	O/R	O/R	5.35

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0640030	64.00	70.00	3.00	1.25	1.45	5.80
MOR0640035	64.00	71.00	3.50	O/R	O/R	9.10
MOR0640040	64.00	72.00	4.00	2.00	2.25	9.15
MOR0640045	64.00	73.00	4.50	O/R	O/R	11.00
MOR0640050	64.00	74.00	5.00	2.75	3.15	12.85
MOR0640057	64.00	75.40	5.70	4.10	4.65	15.75
MOR0640060	64.00	76.00	6.00	4.10	4.65	16.85
MOR0640070	64.00	78.00	7.00	5.85	6.70	O/R
MOR0641070	64.10	78.10	7.00	5.85	6.70	O/R
MOR0642016	64.20	67.40	1.60	1.55	1.75	O/R
MOR0642019	64.20	68.00	1.90	1.55	1.75	O/R
MOR0642057	64.20	75.60	5.70	2.45	2.80	13.65
MOR0643057	64.30	75.70	5.70	2.45	2.80	13.65
MOR0644030	64.40	70.40	3.00	1.55	1.80	O/R
MOR0644031	64.40	70.60	3.10	2.00	1.15	O/R
MOR0644031-1	64.40	70.70	3.15	2.00	2.25	O/R
MOR0645020	64.50	68.50	2.00	1.55	1.75	O/R
MOR0645030	64.50	70.50	3.00	1.25	1.45	5.30
MOR0646015	64.60	67.70	1.55	1.55	1.75	O/R
MOR0646024	64.60	69.40	2.40	1.55	1.75	5.20
MOR0647030	64.70	70.70	3.00	1.55	1.80	O/R
MOR0647057	64.70	76.20	5.75	O/R	O/R	15.75
MOR0650010	65.00	67.00	1.00	1.55	1.75	O/R
MOR0650015	65.00	68.00	1.50	1.55	1.75	4.50
MOR0650018	65.00	68.60	1.80	1.55	1.75	O/R
MOR0650020	65.00	69.00	2.00	1.20	1.40	4.90
MOR0650025	65.00	70.00	2.50	1.20	1.40	5.40
MOR0650030	65.00	71.00	3.00	1.25	1.45	5.90
MOR0650035	65.00	72.00	3.50	2.00	2.25	9.25
MOR0650035-1	65.00	72.10	3.55	2.00	2.25	9.25
MOR0650038	65.00	72.60	3.80	O/R	O/R	9.90
MOR0650040	65.00	73.00	4.00	1.50	1.70	9.10
MOR0650045	65.00	74.00	4.50	O/R	O/R	11.25
MOR0650050	65.00	75.00	5.00	2.25	2.55	11.40
MOR0650053	65.00	75.60	5.30	O/R	O/R	13.85
MOR0650055	65.00	76.00	5.50	4.10	4.65	15.25
MOR0650060	65.00	77.00	6.00	4.10	4.65	17.00
MOR0650075	65.00	80.00	7.50	9.00	10.25	49.15
MOR0650100	65.00	85.00	10.00	15.40	17.60	O/R
MOR0653015-1	65.35	68.45	1.55	1.65	1.85	O/R
MOR0655015	65.50	68.50	1.50	1.65	1.85	4.50
MOR0655015-1	65.50	68.60	1.55	1.65	1.85	O/R
MOR0655050	65.50	75.50	5.00	2.85	3.25	O/R
MOR0660015	66.00	69.00	1.50	O/R	O/R	4.50
MOR0660020	66.00	70.00	2.00	1.35	1.50	4.95
MOR0660022	66.00	70.40	2.20	1.65	1.85	O/R
MOR0660025	66.00	71.00	2.50	1.35	1.50	5.40
MOR0660030	66.00	72.00	3.00	1.40	1.60	5.35

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0660035	66.00	73.00	3.50	O/R	O/R	9.30
MOR0660040	66.00	74.00	4.00	2.40	2.75	10.05
MOR0660045	66.00	75.00	4.50	O/R	O/R	11.35
MOR0660050	66.00	76.00	5.00	2.85	3.25	13.10
MOR0660060	66.00	78.00	6.00	4.20	4.80	17.25
MOR0660065	66.00	79.00	6.50	O/R	O/R	22.30
MOR0665035	66.50	73.50	3.50	O/R	O/R	9.45
MOR0667020	66.70	70.70	2.00	1.65	1.85	O/R
MOR0670013	67.00	69.60	1.30	1.65	1.85	O/R
MOR0670015	67.00	70.00	1.50	1.65	1.85	4.50
MOR0670020	67.00	71.00	2.00	1.65	1.85	4.95
MOR0670021	67.00	71.20	2.10	1.65	1.85	O/R
MOR0670025	67.00	72.00	2.50	1.65	1.85	5.45
MOR0670028	67.00	72.60	2.80	1.75	2.00	O/R
MOR0670030	67.00	73.00	3.00	1.75	2.00	6.00
MOR0670035	67.00	74.00	3.50	2.40	2.75	9.60
MOR0670035-1	67.00	74.10	3.55	O/R	O/R	9.60
MOR0670040	67.00	75.00	4.00	1.80	2.05	9.30
MOR0670050	67.00	77.00	5.00	2.85	3.25	11.75
MOR0670053	67.00	77.60	5.30	O/R	O/R	14.25
MOR0670060	67.00	79.00	6.00	O/R	O/R	17.45
MOR0670065	67.00	80.00	6.50	5.85	6.70	O/R
MOR0671016	67.10	70.30	1.60	1.65	1.85	O/R
MOR0672030	67.20	73.20	3.00	O/R	O/R	6.00
MOR0672057	67.20	78.60	5.70	4.20	4.80	14.35
MOR0675030	67.50	73.50	3.00	1.75	2.00	O/R
MOR0675040	67.50	75.50	4.00	O/R	O/R	10.20
MOR0676024	67.60	72.40	2.40	1.65	1.85	5.30
MOR0680015	68.00	71.00	1.50	O/R	O/R	4.55
MOR0680020	68.00	72.00	2.00	1.35	1.50	5.00
MOR0680024	68.00	72.80	2.40	1.65	1.85	5.30
MOR0680025	68.00	73.00	2.50	1.65	1.85	5.50
MOR0680030	68.00	74.00	3.00	1.40	1.60	5.45
MOR0680035	68.00	75.00	3.50	2.40	2.75	9.75
MOR0680040	68.00	76.00	4.00	1.80	2.05	9.45
MOR0680045	68.00	77.00	4.50	O/R	O/R	11.75
MOR0680050	68.00	78.00	5.00	2.85	3.25	13.60
MOR0680055	68.00	79.00	5.50	4.20	4.80	16.25
MOR0680060	68.00	80.00	6.00	4.20	4.80	17.95
MOR0680070	68.00	82.00	7.00	5.85	6.70	24.95
MOR0680080	68.00	84.00	8.00	9.00	10.25	O/R
MOR0683015	68.30	71.30	1.50	O/R	O/R	4.55
MOR0685018	68.50	72.10	1.80	1.65	1.85	O/R
MOR0685025	68.50	73.50	2.50	O/R	O/R	5.50
MOR0685050	68.50	78.50	5.00	O/R	O/R	13.85
MOR0686022	68.60	73.00	2.20	1.65	1.85	O/R
MOR0688053	68.84	79.44	5.30	4.20	O/R	O/R
MOR0689053	68.95	79.55	5.30	O/R	4.80	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0690010	69.00	71.00	1.00	1.65	1.85	O/R
MOR0690015	69.00	72.00	1.50	1.65	1.85	4.55
MOR0690020	69.00	73.00	2.00	1.65	1.85	4.95
MOR0690021	69.00	73.20	2.10	1.65	1.85	O/R
MOR0690025	69.00	74.00	2.50	O/R	O/R	5.50
MOR0690030	69.00	75.00	3.00	1.75	2.00	6.10
MOR0690035	69.00	76.00	3.50	O/R	O/R	9.90
MOR0690035-1	69.00	76.10	3.55	2.40	2.75	9.90
MOR0690040	69.00	77.00	4.00	2.40	2.75	10.40
MOR0690045	69.00	78.00	4.50	2.85	3.25	11.95
MOR0690050	69.00	79.00	5.00	2.85	3.25	13.85
MOR0690051	69.00	79.20	5.10	4.20	4.80	O/R
MOR0690053	69.00	79.60	5.30	4.20	4.80	15.00
MOR0690057	69.00	80.40	5.70	4.20	4.80	17.15
MOR0690060	69.00	81.00	6.00	4.20	4.80	18.35
MOR0692057	69.20	80.60	5.70	2.50	2.85	15.00
MOR0693057	69.30	80.70	5.70	2.50	2.85	15.00
MOR0694028	69.40	75.00	2.80	1.75	2.00	O/R
MOR0694031	69.40	75.60	3.10	2.40	1.30	O/R
MOR0695025	69.50	74.50	2.50	1.65	1.85	O/R
MOR0695030	69.50	75.50	3.00	1.40	1.60	5.55
MOR0695035	69.50	76.50	3.50	2.40	2.75	O/R
MOR0695040	69.50	77.50	4.00	2.40	2.75	O/R
MOR0695050	69.50	79.50	5.00	2.85	3.25	O/R
MOR0696024	69.60	74.40	2.40	O/R	O/R	5.40
MOR0696057	69.60	81.00	5.70	4.20	3.35	O/R
MOR0700010	70.00	72.00	1.00	1.65	1.85	O/R
MOR0700015	70.00	73.00	1.50	1.65	1.85	4.65
MOR0700018	70.00	73.60	1.80	1.65	1.85	O/R
MOR0700020	70.00	74.00	2.00	1.35	1.50	5.15
MOR0700025	70.00	75.00	2.50	1.35	1.50	5.55
MOR0700030	70.00	76.00	3.00	1.40	1.60	5.55
MOR0700035	70.00	77.00	3.50	2.40	2.75	9.90
MOR0700040	70.00	78.00	4.00	1.80	2.05	9.60
MOR0700045	70.00	79.00	4.50	2.85	3.25	12.10
MOR0700050	70.00	80.00	5.00	2.30	2.60	12.30
MOR0700055	70.00	81.00	5.50	4.20	4.80	16.60
MOR0700057	70.00	81.40	5.70	4.20	4.80	O/R
MOR0700060	70.00	82.00	6.00	4.20	4.80	18.70
MOR0700070	70.00	84.00	7.00	5.85	6.70	25.80
MOR0700080	70.00	86.00	8.00	9.00	10.25	55.10
MOR0700095	70.00	89.00	9.50	15.40	17.60	O/R
MOR0700100	70.00	90.00	10.00	15.40	17.60	83.00
MOR0702057	70.20	81.60	5.70	4.20	4.80	O/R
MOR0705024	70.50	75.30	2.40	1.80	2.05	O/R
MOR0705030	70.50	76.50	3.00	2.00	2.30	O/R
MOR0705045	70.50	79.50	4.50	3.95	4.55	O/R
MOR0710014	71.00	73.80	1.40	O/R	O/R	5.60

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METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0710015	71.00	74.00	1.50	1.80	2.05	4.65
MOR0710016	71.00	74.30	1.65	1.80	2.05	O/R
MOR0710018	71.00	74.60	1.80	O/R	O/R	4.75
MOR0710020	71.00	75.00	2.00	1.80	2.05	5.30
MOR0710026	71.00	76.30	2.65	2.00	2.30	O/R
MOR0710030	71.00	77.00	3.00	2.00	2.30	6.30
MOR0710035	71.00	78.00	3.50	2.50	2.85	10.05
MOR0710035-1	71.00	78.10	3.55	2.50	2.85	10.05
MOR0710040	71.00	79.00	4.00	O/R	O/R	10.55
MOR0710045	71.00	80.00	4.50	3.95	4.55	12.25
MOR0710050	71.00	81.00	5.00	3.95	4.55	14.25
MOR0710053	71.00	81.60	5.30	O/R	O/R	15.40
MOR0712020	71.20	75.20	2.00	1.80	2.05	O/R
MOR0712022	71.20	75.60	2.20	1.80	2.05	O/R
MOR0712057	71.20	82.60	5.70	4.45	5.05	15.75
MOR0715012	71.50	73.90	1.20	1.80	2.05	O/R
MOR0715015	71.50	74.50	1.50	1.80	2.05	4.75
MOR0715016	71.50	74.70	1.60	1.80	2.05	O/R
MOR0715020	71.50	75.50	2.00	1.80	2.05	O/R
MOR0715040	71.50	79.50	4.00	O/R	O/R	10.70
MOR0715045	71.50	80.50	4.50	O/R	O/R	12.30
MOR0720015	72.00	75.00	1.50	O/R	O/R	4.75
MOR0720020	72.00	76.00	2.00	1.45	1.65	5.45
MOR0720021	72.00	76.20	2.10	1.80	2.05	O/R
MOR0720025	72.00	77.00	2.50	1.45	1.65	6.35
MOR0720030	72.00	78.00	3.00	1.55	1.75	6.55
MOR0720035	72.00	79.00	3.50	2.50	2.85	10.05
MOR0720040	72.00	80.00	4.00	2.00	2.30	9.90
MOR0720045	72.00	81.00	4.50	O/R	O/R	12.45
MOR0720050	72.00	82.00	5.00	3.95	4.55	14.60
MOR0720055	72.00	83.00	5.50	4.45	5.05	17.25
MOR0720060	72.00	84.00	6.00	4.45	5.05	19.30
MOR0720065	72.00	85.00	6.50	6.75	7.70	O/R
MOR0720070	72.00	86.00	7.00	6.75	7.70	26.80
MOR0720080	72.00	88.00	8.00	O/R	O/R	36.50
MOR0720090	72.00	90.00	9.00	O/R	O/R	68.80
MOR0722057	72.20	83.60	5.70	4.45	5.05	15.90
MOR0725012	72.50	74.90	1.20	1.80	2.05	O/R
MOR0725015	72.50	75.50	1.50	1.80	2.05	O/R
MOR0725035	72.50	79.50	3.50	O/R	O/R	10.05
MOR0730012	73.00	75.40	1.20	1.80	2.05	O/R
MOR0730015	73.00	76.00	1.50	1.80	2.05	4.90
MOR0730020	73.00	77.00	2.00	1.80	2.05	5.60
MOR0730025	73.00	78.00	2.50	1.80	2.05	6.45
MOR0730030	73.00	79.00	3.00	2.00	2.30	6.70
MOR0730035	73.00	80.00	3.50	2.65	3.00	10.15
MOR0730035-1	73.00	80.10	3.55	2.50	2.85	10.15
MOR0730040	73.00	81.00	4.00	O/R	O/R	10.85

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR0730045	73.00	82.00	4.50	O/R	O/R	12.60
MOR0730050	73.00	83.00	5.00	3.95	4.55	14.90
MOR0730053	73.00	83.60	5.30	4.45	5.05	15.90
MOR0730080	73.00	89.00	8.00	10.35	11.80	O/R
MOR0730110	73.00	95.00	11.00	20.45	23.40	O/R
MOR0735030	73.50	79.50	3.00	2.00	2.30	O/R
MOR0738045	73.80	82.80	4.50	3.95	4.55	O/R
MOR0740015	74.00	77.00	1.50	1.80	2.05	5.00
MOR0740018	74.00	77.60	1.80	O/R	O/R	5.20
MOR0740020	74.00	78.00	2.00	1.45	1.65	5.20
MOR0740025	74.00	79.00	2.50	O/R	O/R	6.55
MOR0740030	74.00	80.00	3.00	1.55	1.75	5.95
MOR0740035	74.00	81.00	3.50	O/R	O/R	10.20
MOR0740040	74.00	82.00	4.00	2.50	2.85	11.00
MOR0740045	74.00	83.00	4.50	3.95	4.55	12.85
MOR0740050	74.00	84.00	5.00	O/R	O/R	15.15
MOR0740057	74.00	85.40	5.70	4.45	5.05	18.60
MOR0740060	74.00	86.00	6.00	4.45	5.05	20.00
MOR0740070	74.00	88.00	7.00	O/R	O/R	27.75
MOR0740080	74.00	90.00	8.00	10.35	11.80	36.85
MOR0742057	74.20	85.60	5.70	2.65	3.00	16.35
MOR0743018	74.30	77.90	1.80	1.80	2.05	O/R
MOR0743030	74.30	80.30	3.00	O/R	O/R	6.80
MOR0743057	74.30	85.70	5.70	2.65	3.00	16.35
MOR0744031	74.40	80.60	3.10	2.50	1.40	O/R
MOR0745025	74.50	79.50	2.50	1.80	2.05	O/R
MOR0745030	74.50	80.50	3.00	1.55	1.75	6.05
MOR0745032	74.50	80.90	3.20	2.50	2.85	O/R
MOR0746057	74.60	86.00	5.70	4.45	3.55	O/R
MOR0750015	75.00	78.00	1.50	1.80	2.05	5.20
MOR0750020	75.00	79.00	2.00	1.45	1.65	5.85
MOR0750024	75.00	79.80	2.40	1.80	2.05	O/R
MOR0750025	75.00	80.00	2.50	1.45	1.65	6.70
MOR0750027	75.00	80.40	2.70	2.00	2.30	O/R
MOR0750027-1	75.00	80.50	2.75	O/R	O/R	8.80
MOR0750030	75.00	81.00	3.00	1.55	1.75	6.10
MOR0750035	75.00	82.00	3.50	2.65	3.00	10.35
MOR0750035-1	75.00	82.10	3.55	O/R	O/R	10.35
MOR0750040	75.00	83.00	4.00	2.00	2.30	10.05
MOR0750045	75.00	84.00	4.50	O/R	O/R	12.95
MOR0750050	75.00	85.00	5.00	2.35	2.70	13.45
MOR0750053	75.00	85.60	5.30	4.45	5.05	16.60
MOR0750055	75.00	86.00	5.50	4.45	5.05	18.20
MOR0750060	75.00	87.00	6.00	4.45	5.05	22.05
MOR0750065	75.00	88.00	6.50	6.75	7.70	O/R
MOR0750070	75.00	89.00	7.00	6.75	7.70	28.10
MOR0750075	75.00	90.00	7.50	O/R	O/R	55.00
MOR0750080	75.00	91.00	8.00	10.35	11.80	61.25

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0750100	75.00	95.00	10.00	19.50	22.25	55.55
MOR0755020	75.50	79.50	2.00	2.00	2.30	O/R
MOR0756020	75.60	79.60	2.00	2.00	2.30	O/R
MOR0760010	76.00	78.00	1.00	2.00	2.30	O/R
MOR0760012	76.00	78.40	1.20	2.00	2.30	O/R
MOR0760015	76.00	79.00	1.50	2.00	2.30	5.30
MOR0760016	76.00	79.20	1.60	2.00	2.30	O/R
MOR0760020	76.00	80.00	2.00	2.00	2.30	6.00
MOR0760022	76.00	80.40	2.20	2.00	2.30	O/R
MOR0760025	76.00	81.00	2.50	1.55	1.75	6.85
MOR0760028	76.00	81.60	2.80	2.15	2.45	O/R
MOR0760030	76.00	82.00	3.00	1.60	1.85	6.15
MOR0760035	76.00	83.00	3.50	2.65	3.00	10.40
MOR0760040	76.00	84.00	4.00	2.65	3.00	11.15
MOR0760041	76.00	84.20	4.10	4.10	4.65	O/R
MOR0760045	76.00	85.00	4.50	O/R	O/R	13.20
MOR0760050	76.00	86.00	5.00	4.10	4.65	15.50
MOR0760060	76.00	88.00	6.00	4.75	5.40	22.30
MOR0760070	76.00	90.00	7.00	6.75	7.70	O/R
MOR0760080	76.00	92.00	8.00	O/R	O/R	61.70
MOR0760095	76.00	95.00	9.50	19.50	22.25	O/R
MOR0760120	76.00	100.00	12.00	21.45	24.50	O/R
MOR0762057	76.20	87.60	5.70	4.75	5.40	O/R
MOR0763024	76.30	81.10	2.40	O/R	O/R	7.00
MOR0765025	76.50	81.50	2.50	2.00	2.30	O/R
MOR0765057	76.50	87.90	5.70	4.75	5.40	O/R
MOR0770012	77.00	79.50	1.25	2.00	2.30	O/R
MOR0770015	77.00	80.00	1.50	2.00	2.30	5.40
MOR0770018	77.00	80.60	1.80	2.00	2.30	O/R
MOR0770020	77.00	81.00	2.00	O/R	O/R	6.10
MOR0770025	77.00	82.00	2.50	O/R	O/R	8.75
MOR0770030	77.00	83.00	3.00	2.15	2.45	8.90
MOR0770035	77.00	84.00	3.50	2.65	3.00	10.55
MOR0770040	77.00	85.00	4.00	2.65	3.00	11.35
MOR0770050	77.00	87.00	5.00	4.10	4.65	15.85
MOR0770055	77.00	88.00	5.50	4.75	5.40	O/R
MOR0771026	77.10	82.30	2.60	O/R	O/R	6.50
MOR0772057	77.20	88.60	5.70	4.75	5.40	17.00
MOR0775020	77.50	81.50	2.00	2.00	O/R	O/R
MOR0775025	77.50	82.50	2.50	2.15	2.30	O/R
MOR0775035	77.50	84.60	3.55	O/R	O/R	10.55
MOR0775053	77.50	88.10	5.30	O/R	O/R	17.25
MOR0780012	78.00	80.40	1.20	O/R	2.30	5.35
MOR0780120	78.00	80.40	1.20	2.00	O/R	O/R
MOR0780015	78.00	81.00	1.50	2.00	2.30	5.50
MOR0780020	78.00	82.00	2.00	2.00	2.30	6.20
MOR0780025	78.00	83.00	2.50	2.00	2.30	8.80
MOR0780030	78.00	84.00	3.00	1.60	1.85	8.90
MOR0780035	78.00	85.00	3.50	2.65	3.00	10.55
MOR0780040	78.00	86.00	4.00	2.65	3.00	10.40
MOR0780043	78.00	86.60	4.30	4.10	4.65	O/R
MOR0780045	78.00	87.00	4.50	O/R	O/R	13.75
MOR0780050	78.00	88.00	5.00	4.10	4.65	14.00
MOR0780055	78.00	89.00	5.50	4.75	5.40	19.30
MOR0780060	78.00	90.00	6.00	4.75	5.40	22.65
MOR0785020	78.50	82.50	2.00	O/R	O/R	6.30
MOR0785035	78.50	85.50	3.50	2.65	3.00	O/R
MOR0785060	78.50	90.50	6.00	O/R	O/R	22.90
MOR0786010	78.60	80.60	1.00	2.00	2.30	O/R
MOR0790012	79.00	81.50	1.25	2.00	2.30	5.65
MOR0790015	79.00	82.00	1.50	2.00	2.30	5.65
MOR0790020	79.00	83.00	2.00	O/R	O/R	6.30
MOR0790021	79.00	83.20	2.10	2.00	2.30	O/R
MOR0790025	79.00	84.00	2.50	2.00	2.30	8.90
MOR0790026	79.00	84.20	2.60	2.15	2.45	O/R
MOR0790030	79.00	85.00	3.00	1.60	1.85	6.35
MOR0790032	79.00	85.40	3.20	2.65	3.00	O/R
MOR0790035	79.00	86.00	3.50	2.65	3.00	10.70
MOR0790040	79.00	87.00	4.00	O/R	O/R	11.75
MOR0790050	79.00	89.00	5.00	4.10	4.65	16.35
MOR0790057	79.00	90.40	5.70	4.75	5.40	20.15
MOR0790060	79.00	91.00	6.00	4.75	5.40	23.20
MOR0790063	79.00	91.60	6.30	6.75	7.70	O/R
MOR0790070	79.00	93.00	7.00	6.75	7.70	29.90
MOR0792027	79.20	84.60	2.70	2.00	2.30	O/R
MOR0792057	79.20	90.60	5.70	2.80	3.20	17.70
MOR0793024	79.30	84.10	2.40	2.00	2.30	O/R
MOR0793057	79.30	90.70	5.70	2.80	3.20	17.70
MOR0794010	79.40	81.40	1.00	O/R	3.00	O/R
MOR0794031	79.40	85.60	3.10	2.65	1.50	O/R
MOR0794061	79.40	91.60	6.10	6.75	7.70	O/R
MOR0795024	79.50	84.30	2.40	2.00	2.30	O/R
MOR0795025	79.50	84.50	2.50	2.00	2.30	O/R
MOR0795030	79.50	85.50	3.00	1.60	1.85	6.40
MOR0795052	79.50	89.90	5.20	4.75	5.40	O/R
MOR0795070	79.50	93.50	7.00	O/R	O/R	30.50
MOR0796052	79.60	90.00	5.20	O/R	O/R	17.70
MOR0797030	79.75	85.75	3.00	2.15	2.45	O/R
MOR0798093	79.80	98.40	9.30	19.50	22.25	O/R
MOR0800015	80.00	83.00	1.50	2.00	2.30	5.70
MOR0800020	80.00	84.00	2.00	1.55	1.75	5.65
MOR0800025	80.00	85.00	2.50	1.55	1.75	6.25
MOR0800028	80.00	85.60	2.80	2.15	2.45	O/R
MOR0800030	80.00	86.00	3.00	1.60	1.85	6.65
MOR0800035	80.00	87.00	3.50	2.65	3.00	10.70
MOR0800035-1	80.00	87.10	3.55	O/R	O/R	10.70

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0800040	80.00	88.00	4.00	2.10	2.40	10.70
MOR0800043	80.00	88.60	4.30	4.10	4.65	O/R
MOR0800045	80.00	89.00	4.50	4.10	4.65	14.10
MOR0800050	80.00	90.00	5.00	2.45	2.80	14.60
MOR0800053	80.00	90.60	5.30	4.75	5.40	17.95
MOR0800055	80.00	91.00	5.50	4.75	5.40	19.55
MOR0800060	80.00	92.00	6.00	4.75	5.40	23.30
MOR0800065	80.00	93.00	6.50	6.75	7.70	27.35
MOR0800080	80.00	96.00	8.00	10.35	11.80	O/R
MOR0800100	80.00	100.00	10.00	O/R	O/R	68.55
MOR0805015	80.50	83.50	1.50	2.15	2.45	O/R
MOR0805020	80.50	84.50	2.00	2.15	2.45	O/R
MOR0805024	80.50	85.30	2.40	2.15	2.45	O/R
MOR0805030	80.50	86.50	3.00	2.35	2.70	O/R
MOR0808026	80.80	86.00	2.60	2.35	2.70	6.75
MOR0810011	81.00	83.20	1.10	2.15	2.45	O/R
MOR0810015	81.00	84.00	1.50	2.15	2.45	5.75
MOR0810020	81.00	85.00	2.00	2.15	2.45	6.45
MOR0810025	81.00	86.00	2.50	O/R	O/R	8.80
MOR0810030	81.00	87.00	3.00	2.35	2.70	9.00
MOR0810035	81.00	88.00	3.50	O/R	O/R	10.85
MOR0810040	81.00	89.00	4.00	O/R	O/R	11.95
MOR0810045	81.00	90.00	4.50	4.15	4.75	14.25
MOR0810050	81.00	91.00	5.00	O/R	O/R	16.85
MOR0810051	81.00	91.20	5.10	5.00	5.70	O/R
MOR0810060	81.00	93.00	6.00	5.00	5.70	O/R
MOR0810070	81.00	95.00	7.00	O/R	O/R	30.60
MOR0812057	81.20	92.60	5.70	5.00	5.70	18.20
MOR0815012	81.50	84.00	1.25	2.15	2.45	O/R
MOR0815040	81.50	89.50	4.00	2.70	3.05	O/R
MOR0815060	81.50	93.50	6.00	O/R	O/R	23.70
MOR0815025	81.51	86.51	2.50	2.15	2.45	O/R
MOR0816022	81.60	86.00	2.20	2.15	2.45	O/R
MOR0817070	81.70	95.70	7.00	O/R	O/R	31.10
MOR0820015	82.00	85.00	1.50	O/R	O/R	5.85
MOR0820020	82.00	86.00	2.00	2.15	2.45	6.50
MOR0820025	82.00	87.00	2.50	1.60	1.85	8.85
MOR0820030	82.00	88.00	3.00	1.75	2.00	6.70
MOR0820035	82.00	89.00	3.50	2.75	3.15	10.85
MOR0820040	82.00	90.00	4.00	2.15	2.45	10.85
MOR0820045	82.00	91.00	4.50	O/R	O/R	14.45
MOR0820050	82.00	92.00	5.00	4.15	4.75	16.95
MOR0820055	82.00	93.00	5.50	O/R	O/R	20.00
MOR0820065	82.00	95.00	6.50	O/R	O/R	27.75
MOR0820070	82.00	96.00	7.00	8.30	9.50	31.30
MOR0820080	82.00	98.00	8.00	11.40	13.00	O/R
MOR0822057	82.20	93.60	5.70	4.00	4.55	18.20
MOR0824012	82.40	84.90	1.25	2.15	2.45	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0825020	82.50	86.50	2.00	2.15	2.45	6.65
MOR0825022	82.50	86.90	2.20	2.15	2.45	O/R
MOR0825035	82.50	89.60	3.55	2.70	3.05	11.00
MOR0825053	82.50	93.10	5.30	5.00	5.70	18.35
MOR0825018	82.57	86.17	1.80	O/R	O/R	5.85
MOR0826022	82.60	87.00	2.20	2.15	2.45	O/R
MOR0829020	82.90	86.90	2.00	2.15	2.45	6.65
MOR0830015	83.00	86.00	1.50	O/R	O/R	5.95
MOR0830020	83.00	87.00	2.00	2.15	2.45	6.65
MOR0830025	83.00	88.00	2.50	2.15	2.45	9.05
MOR0830029	83.00	88.80	2.90	2.35	2.70	O/R
MOR0830030	83.00	89.00	3.00	1.75	2.00	6.80
MOR0830035	83.00	90.00	3.50	O/R	O/R	11.00
MOR0830040	83.00	91.00	4.00	2.70	3.05	12.10
MOR0830045	83.00	92.00	4.50	O/R	O/R	14.60
MOR0830050	83.00	93.00	5.00	O/R	O/R	17.15
MOR0830055	83.00	94.00	5.50	O/R	O/R	20.15
MOR0832020	83.20	87.20	2.00	2.15	2.45	O/R
MOR0835012	83.50	86.00	1.25	2.15	2.45	O/R
MOR0835030	83.50	89.50	3.00	2.35	2.70	O/R
MOR0837045	83.70	92.70	4.50	4.30	4.95	O/R
MOR0840012	84.00	86.40	1.20	2.15	2.45	O/R
MOR0840015	84.00	87.00	1.50	2.15	2.45	6.00
MOR0840020	84.00	88.00	2.00	2.15	2.45	6.75
MOR0840025	84.00	89.00	2.50	O/R	O/R	9.10
MOR0840030	84.00	90.00	3.00	1.75	2.00	6.95
MOR0840035	84.00	91.00	3.50	2.75	3.15	11.00
MOR0840040	84.00	92.00	4.00	2.15	2.45	11.00
MOR0840045	84.00	93.00	4.50	4.15	4.75	O/R
MOR0840050	84.00	94.00	5.00	4.15	4.75	17.35
MOR0840057	84.00	95.40	5.70	5.00	5.70	22.75
MOR0840060	84.00	96.00	6.00	O/R	O/R	24.20
MOR0840090	84.00	102.00	9.00	15.65	17.90	O/R
MOR0840110	84.00	106.00	11.00	21.45	24.50	O/R
MOR0842030	84.20	90.20	3.00	2.35	2.70	O/R
MOR0842057	84.20	95.60	5.70	4.00	4.55	18.60
MOR0843026	84.30	89.50	2.60	2.35	2.70	O/R
MOR0843057	84.30	95.70	5.70	4.00	4.55	18.60
MOR0844031	84.40	90.60	3.10	2.70	1.60	O/R
MOR0845030	84.50	90.50	3.00	1.75	2.00	8.80
MOR0845050	84.50	94.50	5.00	4.15	4.75	O/R
MOR0846057	84.60	96.00	5.70	5.00	3.90	O/R
MOR0850015	85.00	88.00	1.50	O/R	O/R	6.10
MOR0850020	85.00	89.00	2.00	1.60	1.85	6.05
MOR0850025	85.00	90.00	2.50	1.60	1.85	9.15
MOR0850030	85.00	91.00	3.00	1.75	2.00	8.90
MOR0850035	85.00	92.00	3.50	2.75	3.15	11.15
MOR0850035-1	85.00	92.10	3.55	2.70	3.05	11.15

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0850040	85.00	93.00	4.00	2.15	2.45	11.00
MOR0850045	85.00	94.00	4.50	O/R	O/R	14.90
MOR0850050	85.00	95.00	5.00	2.50	2.85	15.40
MOR0850053	85.00	95.60	5.30	5.00	5.70	18.95
MOR0850055	85.00	96.00	5.50	5.00	5.70	22.20
MOR0850060	85.00	97.00	6.00	O/R	O/R	24.45
MOR0850070	85.00	99.00	7.00	8.30	9.50	32.25
MOR0850080	85.00	101.00	8.00	11.40	13.00	68.35
MOR0850095	85.00	104.00	9.50	20.45	23.35	O/R
MOR0850100	85.00	105.00	10.00	O/R	O/R	74.90
MOR0853010	85.30	87.30	1.00	2.30	2.60	O/R
MOR0854030	85.40	91.40	3.00	2.40	2.75	O/R
MOR0855024	85.50	90.30	2.40	2.30	2.60	O/R
MOR0855035	85.50	92.50	3.50	2.75	3.15	O/R
MOR0855060	85.50	97.50	6.00	5.50	6.25	O/R
MOR0858012	85.80	88.30	1.25	2.30	2.60	O/R
MOR0860012	86.00	88.40	1.20	2.15	2.45	O/R
MOR0860015	86.00	89.00	1.50	O/R	O/R	6.15
MOR0860020	86.00	90.00	2.00	2.30	2.60	6.95
MOR0860025	86.00	91.00	2.50	2.30	2.60	9.20
MOR0860030	86.00	92.00	3.00	2.40	2.75	9.60
MOR0860035	86.00	93.00	3.50	O/R	O/R	11.25
MOR0860040	86.00	94.00	4.00	2.75	3.15	12.50
MOR0860045	86.00	95.00	4.50	4.30	4.95	15.00
MOR0860050	86.00	96.00	5.00	O/R	O/R	17.70
MOR0860055	86.00	97.00	5.50	5.50	6.25	O/R
MOR0860060	86.00	98.00	6.00	5.50	6.25	24.60
MOR0860064	86.00	98.80	6.40	8.30	9.50	O/R
MOR0860080	86.00	102.00	8.00	O/R	O/R	68.65
MOR0863026	86.30	91.50	2.60	2.40	2.75	O/R
MOR0865030	86.50	92.50	3.00	2.40	2.75	O/R
MOR0866020	86.60	90.60	2.00	2.30	2.60	O/R
MOR0867030	86.70	92.70	3.00	2.40	2.75	O/R
MOR0870015	87.00	90.00	1.50	O/R	O/R	6.20
MOR0870020	87.00	91.00	2.00	2.30	2.60	7.00
MOR0870025	87.00	92.00	2.50	2.30	2.60	9.25
MOR0870030	87.00	93.00	3.00	2.40	2.75	8.90
MOR0870035	87.00	94.00	3.50	2.75	3.15	11.35
MOR0870040	87.00	95.00	4.00	2.75	3.15	12.60
MOR0870050	87.00	97.00	5.00	4.30	4.95	17.85
MOR0870060	87.00	99.00	6.00	O/R	O/R	24.85
MOR0870070	87.00	101.00	7.00	8.30	9.50	32.70
MOR0870090	87.00	105.00	9.00	O/R	O/R	50.55
MOR0870100	87.00	107.00	10.00	20.45	23.35	O/R
MOR0871024	87.10	91.90	2.40	2.30	2.60	O/R
MOR0872025	87.20	92.20	2.50	2.30	2.60	O/R
MOR0872028	87.20	92.80	2.80	O/R	O/R	9.65
MOR0872057	87.20	98.60	5.70	5.50	6.25	19.30

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0875035	87.50	94.50	3.50	2.75	3.15	O/R
MOR0875035-1	87.50	94.60	3.55	O/R	O/R	11.40
MOR0875050	87.50	97.50	5.00	O/R	O/R	17.95
MOR0875053	87.50	98.10	5.30	O/R	O/R	19.30
MOR0880015	88.00	91.00	1.50	2.30	2.60	6.25
MOR0880020	88.00	92.00	2.00	2.30	2.60	8.80
MOR0880022	88.00	92.40	2.20	2.30	2.60	O/R
MOR0880025	88.00	93.00	2.50	2.30	2.60	9.25
MOR0880030	88.00	94.00	3.00	1.95	2.20	9.05
MOR0880035	88.00	95.00	3.50	O/R	O/R	11.40
MOR0880040	88.00	96.00	4.00	2.25	2.55	11.35
MOR0880050	88.00	98.00	5.00	4.30	4.95	15.85
MOR0880055	88.00	99.00	5.50	O/R	O/R	22.75
MOR0880060	88.00	100.00	6.00	5.50	6.25	25.05
MOR0880070	88.00	102.00	7.00	8.30	9.50	O/R
MOR0880085	88.00	105.00	8.50	15.65	17.90	O/R
MOR0883070	88.30	102.30	7.00	8.30	9.50	O/R
MOR0890015	89.00	92.00	1.50	O/R	O/R	6.40
MOR0890020	89.00	93.00	2.00	2.30	2.60	8.80
MOR0890025	89.00	94.00	2.50	O/R	O/R	9.30
MOR0890030	89.00	95.00	3.00	2.40	2.75	9.00
MOR0890035	89.00	96.00	3.50	O/R	O/R	11.55
MOR0890040	89.00	97.00	4.00	2.75	3.15	12.85
MOR0890045	89.00	98.00	4.50	4.30	4.95	15.50
MOR0890049	89.00	98.80	4.90	4.30	4.95	O/R
MOR0890050	89.00	99.00	5.00	O/R	O/R	18.20
MOR0890057	89.00	100.40	5.70	5.50	6.25	23.70
MOR0890060	89.00	101.00	6.00	O/R	O/R	25.30
MOR0890070	89.00	103.00	7.00	8.30	9.50	33.20
MOR0892030	89.20	95.20	3.00	2.40	2.75	9.75
MOR0892057	89.20	100.60	5.70	4.40	5.00	19.55
MOR0893057	89.30	100.70	5.70	4.40	5.00	19.55
MOR0894020	89.40	93.40	2.00	2.30	2.60	O/R
MOR0894031	89.40	95.60	3.10	2.75	1.80	O/R
MOR0894033	89.40	96.00	3.30	2.75	3.15	O/R
MOR0895020	89.50	93.50	2.00	2.30	2.60	O/R
MOR0895025	89.50	94.50	2.50	O/R	O/R	9.45
MOR0895030	89.50	95.50	3.00	1.95	2.20	9.00
MOR0896057	89.60	101.00	5.70	5.50	4.10	O/R
MOR0900011	90.00	92.20	1.10	2.15	2.45	O/R
MOR0900015	90.00	93.00	1.50	2.30	2.60	6.55
MOR0900020	90.00	94.00	2.00	1.70	1.95	8.95
MOR0900025	90.00	95.00	2.50	1.70	1.95	9.45
MOR0900030	90.00	96.00	3.00	1.95	2.20	9.00
MOR0900035	90.00	97.00	3.50	2.75	3.15	11.60
MOR0900035-1	90.00	97.10	3.55	O/R	O/R	11.60
MOR0900040	90.00	98.00	4.00	2.25	2.55	11.55
MOR0900045	90.00	99.00	4.50	O/R	O/R	15.75

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0900050	90.00	100.00	5.00	2.55	2.95	16.15
MOR0900053	90.00	100.60	5.30	5.50	6.25	19.90
MOR0900055	90.00	101.00	5.50	5.50	6.25	23.05
MOR0900060	90.00	102.00	6.00	5.50	6.25	25.45
MOR0900070	90.00	104.00	7.00	8.30	9.50	33.90
MOR0900080	90.00	106.00	8.00	11.40	13.00	69.00
MOR0900090	90.00	108.00	9.00	O/R	O/R	51.35
MOR0900100	90.00	110.00	10.00	20.45	23.35	O/R
MOR0903040	90.30	98.30	4.00	4.45	5.05	O/R
MOR0905015	90.50	93.50	1.50	2.70	3.10	O/R
MOR0905025	90.50	95.50	2.50	2.70	3.10	O/R
MOR0907040	90.77	98.77	4.00	4.45	5.05	O/R
MOR0907063	90.78	103.48	6.35	8.65	9.90	O/R
MOR0908012	90.80	93.30	1.25	2.70	3.10	O/R
MOR0910015	91.00	94.00	1.50	2.70	3.10	6.65
MOR0910020	91.00	95.00	2.00	2.70	3.10	8.90
MOR0910025	91.00	96.00	2.50	O/R	O/R	9.45
MOR0910030	91.00	97.00	3.00	2.70	3.10	9.90
MOR0910035	91.00	98.00	3.50	O/R	O/R	11.75
MOR0910040	91.00	99.00	4.00	4.45	5.05	13.20
MOR0910050	91.00	101.00	5.00	O/R	O/R	18.60
MOR0912057	91.20	102.60	5.70	O/R	O/R	24.20
MOR0915025	91.50	96.50	2.50	2.70	3.10	O/R
MOR0915030	91.50	97.50	3.00	2.70	3.10	O/R
MOR0920015	92.00	95.00	1.50	2.70	3.10	6.70
MOR0920020	92.00	96.00	2.00	2.70	3.10	9.00
MOR0920025	92.00	97.00	2.50	2.70	3.10	9.45
MOR0920030	92.00	98.00	3.00	2.20	2.50	9.25
MOR0920032	92.00	98.40	3.20	4.45	5.05	O/R
MOR0920035	92.00	99.00	3.50	4.45	5.05	11.80
MOR0920040	92.00	100.00	4.00	2.65	3.00	11.75
MOR0920045	92.00	101.00	4.50	O/R	O/R	15.90
MOR0920050	92.00	102.00	5.00	O/R	O/R	18.80
MOR0920060	92.00	104.00	6.00	O/R	O/R	25.95
MOR0920070	92.00	106.00	7.00	8.65	9.90	O/R
MOR0920085	92.00	109.00	8.50	O/R	O/R	85.45
MOR0922057	92.20	103.60	5.70	6.15	7.05	20.15
MOR0925020	92.50	96.50	2.00	2.70	3.10	O/R
MOR0925022	92.50	96.90	2.20	2.70	3.10	O/R
MOR0925032	92.50	98.90	3.20	4.45	5.05	O/R
MOR0925035	92.50	99.50	3.50	4.45	5.05	O/R
MOR0925035-1	92.50	99.60	3.55	4.45	5.05	11.95
MOR0925045	92.50	101.50	4.50	O/R	O/R	16.00
MOR0925053	92.50	103.10	5.30	O/R	O/R	22.05
MOR0930014	93.00	95.80	1.40	O/R	O/R	8.85
MOR0930015	93.00	96.00	1.50	2.70	3.10	6.75
MOR0930016	93.00	96.20	1.60	2.70	3.10	O/R
MOR0930020	93.00	97.00	2.00	2.70	3.10	9.10

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0930021	93.00	97.20	2.10	2.70	3.10	O/R
MOR0930025	93.00	98.00	2.50	O/R	O/R	9.60
MOR0930030	93.00	99.00	3.00	2.70	3.10	9.30
MOR0930032	93.00	99.40	3.20	4.45	5.05	O/R
MOR0930035	93.00	100.00	3.50	4.45	5.05	11.95
MOR0930040	93.00	101.00	4.00	4.45	5.05	13.45
MOR0930050	93.00	103.00	5.00	5.25	6.05	18.95
MOR0930060	93.00	105.00	6.00	6.15	7.05	26.30
MOR0935020	93.50	97.50	2.00	O/R	O/R	9.15
MOR0935025	93.50	98.50	2.50	2.70	3.10	O/R
MOR0935032	93.50	99.90	3.20	4.45	5.05	O/R
MOR0935045	93.50	102.50	4.50	4.30	4.95	16.25
MOR0940015	94.00	97.00	1.50	O/R	O/R	6.80
MOR0940020	94.00	98.00	2.00	2.70	3.10	9.15
MOR0940025	94.00	99.00	2.50	2.70	3.10	9.60
MOR0940030	94.00	100.00	3.00	2.20	2.50	9.45
MOR0940035	94.00	101.00	3.50	O/R	O/R	12.00
MOR0940040	94.00	102.00	4.00	4.45	5.05	11.95
MOR0940045	94.00	103.00	4.50	O/R	O/R	16.25
MOR0940050	94.00	104.00	5.00	5.25	6.05	19.15
MOR0940055	94.00	105.00	5.50	O/R	O/R	23.95
MOR0940057	94.00	105.40	5.70	6.15	7.05	24.70
MOR0940070	94.00	108.00	7.00	8.65	9.90	O/R
MOR0940080	94.00	110.00	8.00	O/R	O/R	44.05
MOR0942025	94.20	99.20	2.50	O/R	O/R	9.70
MOR0942057	94.20	105.60	5.70	4.95	5.65	22.30
MOR0943057	94.30	105.70	5.70	4.95	5.65	22.30
MOR0944031	94.40	100.60	3.10	4.45	1.85	O/R
MOR0945030	94.50	100.50	3.00	2.20	2.50	9.45
MOR0950012	95.00	97.40	1.20	2.70	3.10	O/R
MOR0950015	95.00	98.00	1.50	2.70	3.10	6.85
MOR0950016	95.00	98.20	1.60	2.70	3.10	O/R
MOR0950018	95.00	98.60	1.80	2.70	3.10	6.80
MOR0950020	95.00	99.00	2.00	2.20	2.50	9.10
MOR0950025	95.00	100.00	2.50	2.70	3.10	9.75
MOR0950030	95.00	101.00	3.00	2.20	2.50	9.45
MOR0950032	95.00	101.40	3.20	4.45	5.05	O/R
MOR0950035	95.00	102.00	3.50	4.45	5.05	12.10
MOR0950035-1	95.00	102.10	3.55	4.45	5.05	12.10
MOR0950040	95.00	103.00	4.00	2.65	3.00	13.65
MOR0950045	95.00	104.00	4.50	4.30	4.95	16.50
MOR0950050	95.00	105.00	5.00	4.25	4.80	16.95
MOR0950053	95.00	105.60	5.30	6.15	7.05	22.35
MOR0950055	95.00	106.00	5.50	O/R	O/R	24.05
MOR0950060	95.00	107.00	6.00	6.15	7.05	26.80
MOR0950070	95.00	109.00	7.00	8.65	9.90	O/R
MOR0950075	95.00	110.00	7.50	O/R	O/R	49.15
MOR0955030	95.50	101.50	3.00	2.70	3.10	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR0955040	95.50	103.50	4.00	4.45	5.05	O/R
MOR0955060	95.50	107.50	6.00	6.15	7.05	O/R
MOR0960015	96.00	99.00	1.50	2.70	3.10	6.90
MOR0960020	96.00	100.00	2.00	2.70	3.10	9.20
MOR0960025	96.00	101.00	2.50	2.70	3.10	9.75
MOR0960030	96.00	102.00	3.00	2.20	2.50	10.40
MOR0960035	96.00	103.00	3.50	O/R	O/R	12.25
MOR0960040	96.00	104.00	4.00	2.65	3.00	13.75
MOR0960043	96.00	104.60	4.30	5.25	6.05	O/R
MOR0960045	96.00	105.00	4.50	O/R	O/R	16.60
MOR0960050	96.00	106.00	5.00	O/R	O/R	19.45
MOR0960060	96.00	108.00	6.00	6.15	7.05	27.00
MOR0960140	96.00	124.00	14.00	29.25	33.45	O/R
MOR0965040	96.50	104.50	4.00	4.45	5.05	O/R
MOR0970015	97.00	100.00	1.50	2.70	3.10	7.00
MOR0970016	97.00	100.20	1.60	2.70	3.10	O/R
MOR0970020	97.00	101.00	2.00	O/R	O/R	9.30
MOR0970025	97.00	102.00	2.50	O/R	O/R	9.75
MOR0970027	97.00	102.50	2.75	2.70	3.10	O/R
MOR0970030	97.00	103.00	3.00	2.70	3.10	10.55
MOR0970035	97.00	104.00	3.50	O/R	O/R	12.30
MOR0970035-1	97.00	104.10	3.55	O/R	O/R	12.30
MOR0970040	97.00	105.00	4.00	4.45	5.05	13.85
MOR0970050	97.00	107.00	5.00	5.25	6.05	17.25
MOR0970055	97.00	108.00	5.50	O/R	O/R	24.35
MOR0970070	97.00	111.00	7.00	O/R	O/R	35.55
MOR0972057	97.20	108.60	5.70	6.15	7.05	22.60
MOR0975030	97.50	103.50	3.00	O/R	O/R	10.55
MOR0975035	97.50	104.60	3.55	4.45	5.05	O/R
MOR0975045	97.50	106.50	4.50	4.30	4.95	16.75
MOR0975050	97.50	107.50	5.00	5.25	6.05	19.65
MOR0975053	97.50	108.10	5.30	6.15	7.05	22.50
MOR0980015	98.00	101.00	1.50	2.70	3.10	O/R
MOR0980020	98.00	102.00	2.00	2.70	3.10	9.30
MOR0980022	98.00	102.40	2.20	2.70	3.10	O/R
MOR0980025	98.00	103.00	2.50	2.70	3.10	9.90
MOR0980030	98.00	104.00	3.00	2.20	2.50	9.75
MOR0980035	98.00	105.00	3.50	4.45	5.05	12.45
MOR0980040	98.00	106.00	4.00	4.45	5.05	12.25
MOR0980045	98.00	107.00	4.50	4.30	4.95	16.85
MOR0980050	98.00	108.00	5.00	4.25	4.80	19.80
MOR0980060	98.00	110.00	6.00	6.15	7.05	27.25
MOR0980075	98.00	113.00	7.50	O/R	O/R	49.40
MOR0980080	98.00	114.00	8.00	O/R	O/R	54.20
MOR0980100	98.00	118.00	10.00	O/R	O/R	80.20
MOR0990015	99.00	102.00	1.50	2.70	3.10	8.90
MOR0990020	99.00	103.00	2.00	O/R	O/R	9.40
MOR0990025	99.00	104.00	2.50	O/R	O/R	9.90
MOR0990030	99.00	105.00	3.00	2.70	3.10	9.75
MOR0990035	99.00	106.00	3.50	O/R	O/R	12.50
MOR0990040	99.00	107.00	4.00	O/R	O/R	14.00
MOR0990045	99.00	108.00	4.50	O/R	O/R	16.95
MOR0990050	99.00	109.00	5.00	O/R	O/R	19.80
MOR0990057	99.00	110.40	5.70	6.15	7.05	25.30
MOR0990060	99.00	111.00	6.00	O/R	O/R	27.50
MOR0990065	99.00	112.00	6.50	8.65	9.90	O/R
MOR0990070	99.00	113.00	7.00	8.65	9.90	36.35
MOR0991024	99.10	103.90	2.40	2.70	3.10	O/R
MOR0992057	99.20	110.60	5.70	4.95	5.65	22.75
MOR0993030	99.30	105.30	3.00	2.70	3.10	O/R
MOR0993057	99.30	110.70	5.70	4.95	5.65	22.75
MOR0994041	99.40	107.60	4.10	5.25	6.05	O/R
MOR0995018	99.50	103.10	1.80	2.70	3.10	O/R
MOR0995030	99.50	105.50	3.00	2.20	2.50	9.75
MOR0995045	99.50	108.50	4.50	O/R	O/R	17.00
MOR0995050	99.50	109.50	5.00	O/R	O/R	19.90
MOR1000010	100.00	102.00	1.00	2.70	3.10	O/R
MOR1000015	100.00	103.00	1.50	2.70	3.10	8.80
MOR1000017	100.00	103.40	1.70	O/R	O/R	19.80
MOR1000020	100.00	104.00	2.00	2.20	2.50	9.40
MOR1000025	100.00	105.00	2.50	2.20	2.50	10.05
MOR1000030	100.00	106.00	3.00	2.20	2.50	9.75
MOR1000032	100.00	106.40	3.20	4.45	5.05	O/R
MOR1000035	100.00	107.00	3.50	4.45	5.05	12.60
MOR1000035-1	100.00	107.10	3.55	O/R	O/R	12.60
MOR1000040	100.00	108.00	4.00	2.65	3.00	12.30
MOR1000045	100.00	109.00	4.50	O/R	O/R	17.15
MOR1000047	100.00	109.40	4.70	5.25	6.05	O/R
MOR1000050	100.00	110.00	5.00	4.25	4.80	17.35
MOR1000053	100.00	110.60	5.30	O/R	O/R	22.75
MOR1000055	100.00	111.00	5.50	O/R	O/R	24.60
MOR1000060	100.00	112.00	6.00	6.15	7.05	27.60
MOR1000065	100.00	113.00	6.50	8.65	9.90	O/R
MOR1000070	100.00	114.00	7.00	8.65	9.90	36.60
MOR1000078	100.00	115.60	7.80	13.45	15.40	O/R
MOR1000080	100.00	116.00	8.00	13.45	15.40	44.75
MOR1000100	100.00	120.00	10.00	25.45	29.10	81.90
MOR1000145	100.00	129.00	14.50	O/R	O/R	164.65
MOR1002057	100.20	111.60	5.70	O/R	O/R	25.45
MOR1005045	100.50	109.50	4.50	5.20	5.95	17.25
MOR1005070	100.50	114.50	7.00	8.10	9.30	O/R
MOR1008028	100.80	106.40	2.80	O/R	O/R	23.75
MOR1009016	100.95	104.15	1.60	2.70	3.05	O/R
MOR1010015	101.00	104.00	1.50	O/R	O/R	8.90
MOR1010025	101.00	106.00	2.50	2.70	3.05	10.05
MOR1010030	101.00	107.00	3.00	O/R	O/R	9.35

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1010035	101.00	108.00	3.50	4.40	5.00	12.75
MOR1010040	101.00	109.00	4.00	O/R	O/R	14.10
MOR1010043	101.00	109.60	4.30	5.20	5.95	O/R
MOR1010045	101.00	110.00	4.50	O/R	O/R	17.35
MOR1010050	101.00	111.00	5.00	O/R	O/R	20.00
MOR1010060	101.00	113.00	6.00	O/R	O/R	27.75
MOR1010070	101.00	115.00	7.00	8.10	9.30	36.75
MOR1010140	101.00	129.00	14.00	28.95	33.10	O/R
MOR1012042	101.20	109.60	4.20	5.20	5.95	O/R
MOR1013072	101.30	115.70	7.20	O/R	O/R	66.15
MOR1015030	101.50	107.50	3.00	2.15	2.45	O/R
MOR1015057	101.50	112.90	5.70	O/R	O/R	25.80
MOR1016013	101.60	104.20	1.30	28.95	O/R	O/R
MOR1016032	101.60	108.00	3.20	4.40	5.00	O/R
MOR1016130	101.60	127.60	13.00	O/R	33.10	O/R
MOR1020020	102.00	106.00	2.00	2.70	3.05	O/R
MOR1020025	102.00	107.00	2.50	2.70	3.05	10.15
MOR1020030	102.00	108.00	3.00	2.70	3.05	10.70
MOR1020035	102.00	109.00	3.50	4.40	5.00	12.85
MOR1020040	102.00	110.00	4.00	2.70	3.10	14.25
MOR1020047	102.00	111.50	4.75	5.20	5.95	O/R
MOR1020050	102.00	112.00	5.00	5.20	5.95	20.15
MOR1020055	102.00	113.00	5.50	O/R	O/R	24.85
MOR1020070	102.00	116.00	7.00	8.10	9.30	O/R
MOR1025025	102.50	107.50	2.50	2.70	3.05	O/R
MOR1025030	102.50	108.50	3.00	O/R	O/R	10.85
MOR1025040	102.50	110.50	4.00	O/R	O/R	14.50
MOR1026045	102.60	111.60	4.50	5.20	5.95	O/R
MOR1030020	103.00	107.00	2.00	2.70	3.05	O/R
MOR1030025	103.00	108.00	2.50	2.70	3.05	10.15
MOR1030030	103.00	109.00	3.00	2.70	3.05	10.85
MOR1030035	103.00	110.00	3.50	O/R	O/R	12.95
MOR1030035-1	103.00	110.10	3.55	O/R	O/R	12.95
MOR1030040	103.00	111.00	4.00	O/R	O/R	14.45
MOR1030045	103.00	112.00	4.50	5.20	5.95	17.40
MOR1030050	103.00	113.00	5.00	5.20	5.95	21.90
MOR1030053	103.00	113.60	5.30	O/R	O/R	23.30
MOR1030060	103.00	115.00	6.00	5.90	6.75	27.95
MOR1030100	103.00	123.00	10.00	O/R	O/R	87.55
MOR1033057	103.30	114.70	5.70	5.90	6.75	O/R
MOR1035030	103.50	109.50	3.00	2.70	3.05	O/R
MOR1035040	103.50	111.50	4.00	4.40	5.00	14.60
MOR1035042	103.50	111.90	4.20	5.20	5.95	O/R
MOR1035045	103.50	112.50	4.50	5.20	5.95	17.45
MOR1036090	103.60	121.60	9.00	O/R	O/R	99.10
MOR1040015	104.00	107.00	1.50	O/R	O/R	8.95
MOR1040020	104.00	108.00	2.00	2.70	3.05	O/R
MOR1040025	104.00	109.00	2.50	2.70	3.05	10.20
MOR1040030	104.00	110.00	3.00	2.70	3.05	10.85
MOR1040035	104.00	111.00	3.50	4.40	5.00	13.10
MOR1040040	104.00	112.00	4.00	4.40	5.00	14.70
MOR1040050	104.00	114.00	5.00	5.20	5.95	22.15
MOR1040055	104.00	115.00	5.50	O/R	O/R	15.75
MOR1040057	104.00	115.40	5.70	5.90	6.75	26.15
MOR1040060	104.00	116.00	6.00	5.90	6.75	28.20
MOR1040070	104.00	118.00	7.00	8.10	9.30	O/R
MOR1040080	104.00	120.00	8.00	13.90	15.90	47.40
MOR1042030	104.20	110.20	3.00	2.70	3.05	11.00
MOR1042057	104.20	115.60	5.70	4.70	5.40	23.30
MOR1043057	104.30	115.70	5.70	4.70	5.40	23.30
MOR1043060	104.30	116.30	6.00	5.90	6.75	O/R
MOR1044031	104.40	110.60	3.10	4.40	2.05	O/R
MOR1045030	104.50	110.50	3.00	2.15	2.45	10.05
MOR1045040	104.50	112.50	4.00	4.40	5.00	O/R
MOR1045050	104.50	114.50	5.00	5.20	5.95	O/R
MOR1045060	104.50	116.50	6.00	5.90	6.75	28.45
MOR1046057	104.60	116.00	5.70	5.90	4.85	26.30
MOR1050015	105.00	108.00	1.50	2.70	3.05	O/R
MOR1050020	105.00	109.00	2.00	2.70	3.05	9.45
MOR1050025	105.00	110.00	2.50	2.70	3.05	10.35
MOR1050030	105.00	111.00	3.00	2.15	2.45	10.05
MOR1050035	105.00	112.00	3.50	O/R	O/R	13.20
MOR1050040	105.00	113.00	4.00	2.70	3.10	12.75
MOR1050045	105.00	114.00	4.50	5.20	5.95	17.60
MOR1050046	105.00	114.20	4.60	5.20	5.95	O/R
MOR1050050	105.00	115.00	5.00	4.15	4.75	22.20
MOR1050055	105.00	116.00	5.50	O/R	O/R	25.30
MOR1050060	105.00	117.00	6.00	5.90	6.75	28.55
MOR1050065	105.00	118.00	6.50	O/R	O/R	32.50
MOR1050070	105.00	119.00	7.00	8.10	9.30	37.75
MOR1050085	105.00	122.00	8.50	15.30	17.45	O/R
MOR1050100	105.00	125.00	10.00	O/R	O/R	88.20
MOR1055027	105.50	110.90	2.70	O/R	O/R	10.55
MOR1055030	105.50	111.50	3.00	2.70	3.05	O/R
MOR1055040	105.50	113.50	4.00	4.40	5.00	O/R
MOR1055050	105.50	115.50	5.00	O/R	O/R	22.35
MOR1055060	105.50	117.50	6.00	O/R	O/R	28.70
MOR1058037	105.80	113.30	3.75	4.40	5.00	O/R
MOR1060010	106.00	108.00	1.00	2.70	3.05	O/R
MOR1060020	106.00	110.00	2.00	2.70	3.05	9.50
MOR1060025	106.00	111.00	2.50	2.70	3.05	10.40
MOR1060030	106.00	112.00	3.00	2.70	3.05	11.00
MOR1060032	106.00	112.40	3.20	4.40	5.00	O/R
MOR1060035	106.00	113.00	3.50	O/R	O/R	13.35
MOR1060035-1	106.00	113.10	3.55	O/R	O/R	13.35
MOR1060040	106.00	114.00	4.00	4.40	5.00	14.75

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1060042	106.00	114.40	4.20	O/R	O/R	17.85
MOR1060045	106.00	115.00	4.50	5.20	5.95	17.95
MOR1060050	106.00	116.00	5.00	5.20	5.95	22.35
MOR1060053	106.00	116.60	5.30	O/R	O/R	23.70
MOR1060055	106.00	117.00	5.50	5.90	6.75	O/R
MOR1060060	106.00	118.00	6.00	5.90	6.75	28.80
MOR1060070	106.00	120.00	7.00	8.10	9.30	O/R
MOR1062030	106.20	112.20	3.00	O/R	O/R	11.10
MOR1070012	107.00	109.40	1.20	2.70	3.05	O/R
MOR1070020	107.00	111.00	2.00	2.70	3.05	O/R
MOR1070025	107.00	112.00	2.50	2.70	3.05	10.40
MOR1070030	107.00	113.00	3.00	O/R	O/R	11.15
MOR1070032	107.00	113.40	3.20	4.40	5.00	O/R
MOR1070035	107.00	114.00	3.50	4.40	5.00	13.45
MOR1070040	107.00	115.00	4.00	4.40	5.00	14.90
MOR1070043	107.00	115.60	4.30	5.20	5.95	O/R
MOR1070045	107.00	116.00	4.50	5.20	5.95	18.05
MOR1070050	107.00	117.00	5.00	5.20	5.95	22.45
MOR1070058	107.00	118.60	5.80	5.90	6.75	O/R
MOR1070060	107.00	119.00	6.00	O/R	O/R	29.05
MOR1070070	107.00	121.00	7.00	8.10	9.30	O/R
MOR1070080	107.00	123.00	8.00	13.90	15.90	47.80
MOR1070100	107.00	127.00	10.00	O/R	O/R	87.35
MOR1076058	107.60	119.20	5.80	O/R	O/R	29.30
MOR1080025	108.00	113.00	2.50	O/R	O/R	10.55
MOR1080030	108.00	114.00	3.00	2.15	2.45	11.15
MOR1080032	108.00	114.40	3.20	4.40	5.00	O/R
MOR1080035	108.00	115.00	3.50	4.40	5.00	13.60
MOR1080040	108.00	116.00	4.00	2.70	3.10	15.00
MOR1080045	108.00	117.00	4.50	5.20	5.95	O/R
MOR1080047	108.00	117.50	4.75	5.20	5.95	O/R
MOR1080050	108.00	118.00	5.00	5.20	5.95	22.50
MOR1080053	108.00	118.60	5.30	O/R	O/R	23.95
MOR1080058	108.00	119.60	5.80	O/R	O/R	29.30
MOR1080060	108.00	120.00	6.00	5.90	6.75	29.30
MOR1080070	108.00	122.00	7.00	8.10	9.30	O/R
MOR1080080	108.00	124.00	8.00	13.90	15.90	48.10
MOR1080090	108.00	126.00	9.00	15.30	17.45	O/R
MOR1080100	108.00	128.00	10.00	25.20	28.80	89.30
MOR1088058	108.80	120.40	5.80	O/R	O/R	29.80
MOR1088084	108.80	125.60	8.40	O/R	O/R	89.30
MOR1090020	109.00	113.00	2.00	2.70	3.05	9.55
MOR1090024	109.00	113.80	2.40	O/R	O/R	10.55
MOR1090025	109.00	114.00	2.50	O/R	O/R	10.55
MOR1090028	109.00	114.60	2.80	2.70	3.05	O/R
MOR1090030	109.00	115.00	3.00	2.70	3.05	11.25
MOR1090035	109.00	116.00	3.50	4.40	5.00	13.65
MOR1090035-1	109.00	116.10	3.55	4.40	5.00	13.65

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1090040	109.00	117.00	4.00	O/R	O/R	15.15
MOR1090045	109.00	118.00	4.50	O/R	O/R	18.20
MOR1090050	109.00	119.00	5.00	5.20	5.95	22.75
MOR1090053	109.00	119.60	5.30	5.90	6.75	24.20
MOR1090055	109.00	120.00	5.50	5.90	6.75	O/R
MOR1090057	109.00	120.40	5.70	5.90	6.75	27.35
MOR1090058	109.00	120.60	5.80	5.90	6.75	29.80
MOR1090070	109.00	123.00	7.00	8.10	9.30	O/R
MOR1091024	109.10	113.90	2.40	O/R	O/R	19.55
MOR1091047	109.16	118.66	4.75	O/R	O/R	22.90
MOR1091050	109.16	119.16	5.00	O/R	O/R	22.90
MOR1092057	109.20	120.60	5.70	4.70	5.40	24.20
MOR1093057	109.30	120.70	5.70	4.70	5.40	24.20
MOR1094031	109.40	115.60	3.10	4.40	2.25	O/R
MOR1095030	109.50	115.50	3.00	2.15	2.45	10.35
MOR1096057	109.60	121.00	5.70	O/R	5.00	27.50
MOR1097048	109.75	119.35	4.80	5.20	5.95	O/R
MOR1097048-2	109.78	119.48	4.85	5.20	5.95	O/R
MOR1100015	110.00	113.00	1.50	2.70	3.05	O/R
MOR1100020	110.00	114.00	2.00	2.70	3.05	9.60
MOR1100025	110.00	115.00	2.50	2.70	3.05	10.70
MOR1100030	110.00	116.00	3.00	2.15	2.45	10.35
MOR1100035	110.00	117.00	3.50	4.40	5.00	13.75
MOR1100040	110.00	118.00	4.00	2.70	3.10	13.35
MOR1100045	110.00	119.00	4.50	5.20	5.95	18.35
MOR1100047	110.00	119.50	4.75	5.20	5.95	O/R
MOR1100050	110.00	120.00	5.00	4.15	4.75	18.80
MOR1100055	110.00	121.00	5.50	O/R	O/R	26.65
MOR1100060	110.00	122.00	6.00	5.90	6.75	29.80
MOR1100070	110.00	124.00	7.00	8.10	9.30	39.30
MOR1100080	110.00	126.00	8.00	13.90	15.90	48.25
MOR1100100	110.00	130.00	10.00	25.20	28.80	90.40
MOR1103051	110.34	120.64	5.15	5.90	6.75	O/R
MOR1105024	110.50	115.30	2.40	2.85	3.25	O/R
MOR1110025	111.00	116.00	2.50	O/R	O/R	10.70
MOR1110030	111.00	117.00	3.00	O/R	O/R	11.40
MOR1110035	111.00	118.00	3.50	4.55	5.20	13.85
MOR1110040	111.00	119.00	4.00	O/R	O/R	15.40
MOR1110050	111.00	121.00	5.00	5.70	6.50	23.05
MOR1110060	111.00	123.00	6.00	O/R	O/R	30.00
MOR1110080	111.00	127.00	8.00	14.70	16.80	O/R
MOR1112057	111.20	122.60	5.70	O/R	O/R	27.85
MOR1115024	111.50	116.30	2.40	2.85	3.25	O/R
MOR1115025	111.50	116.50	2.50	2.85	3.25	O/R
MOR1115030	111.50	117.50	3.00	2.85	3.25	O/R
MOR1115050	111.50	121.50	5.00	5.70	6.50	O/R
MOR1116057	111.60	123.00	5.70	O/R	5.20	28.10
MOR1120015	112.00	115.00	1.50	O/R	O/R	9.00

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1120020	112.00	116.00	2.00	2.85	3.25	10.05
MOR1120025	112.00	117.00	2.50	O/R	O/R	10.70
MOR1120030	112.00	118.00	3.00	2.30	2.60	11.55
MOR1120035	112.00	119.00	3.50	4.55	5.20	14.00
MOR1120035-1	112.00	119.10	3.55	4.55	5.20	14.00
MOR1120040	112.00	120.00	4.00	2.95	3.40	15.60
MOR1120050	112.00	122.00	5.00	5.70	6.50	23.30
MOR1120053	112.00	122.60	5.30	O/R	O/R	24.70
MOR1120060	112.00	124.00	6.00	6.55	7.45	30.25
MOR1120063	112.00	124.60	6.30	O/R	O/R	35.90
MOR1120070	112.00	126.00	7.00	8.60	9.85	39.90
MOR1120080	112.00	128.00	8.00	14.70	16.80	49.65
MOR1125100	112.50	132.50	10.00	27.20	31.10	O/R
MOR1130015	113.00	116.00	1.50	2.85	3.25	O/R
MOR1130025	113.00	118.00	2.50	2.85	3.25	10.85
MOR1130030	113.00	119.00	3.00	O/R	O/R	11.55
MOR1130035	113.00	120.00	3.50	4.55	5.20	14.10
MOR1130040	113.00	121.00	4.00	4.80	5.45	15.75
MOR1130050	113.00	123.00	5.00	O/R	O/R	23.30
MOR1135020	113.50	117.50	2.00	2.85	3.25	O/R
MOR1140016	114.00	117.20	1.60	O/R	O/R	9.25
MOR1140020	114.00	118.00	2.00	2.85	3.25	O/R
MOR1140025	114.00	119.00	2.50	O/R	O/R	10.85
MOR1140030	114.00	120.00	3.00	2.85	3.25	11.60
MOR1140035	114.00	121.00	3.50	4.55	5.20	14.25
MOR1140040	114.00	122.00	4.00	4.80	5.45	15.85
MOR1140042	114.00	122.40	4.20	5.70	6.50	O/R
MOR1140046	114.00	123.20	4.60	5.70	6.50	O/R
MOR1140050	114.00	124.00	5.00	O/R	O/R	23.55
MOR1140057	114.00	125.40	5.70	6.55	7.45	28.45
MOR1140058	114.00	125.60	5.80	O/R	O/R	30.60
MOR1140060	114.00	126.00	6.00	6.55	7.45	30.70
MOR1140070	114.00	128.00	7.00	O/R	O/R	40.70
MOR1140090	114.00	132.00	9.00	O/R	O/R	78.40
MOR1140100	114.00	134.00	10.00	27.20	31.10	126.20
MOR1142057	114.20	125.60	5.70	5.25	6.00	24.95
MOR1143057	114.30	125.70	5.70	5.25	6.00	24.95
MOR1145025	114.50	119.50	2.50	2.85	O/R	O/R
MOR1145030	114.50	120.50	3.00	2.30	2.60	10.55
MOR1145033	114.50	121.10	3.30	4.55	5.20	O/R
MOR1145040	114.50	122.50	4.00	4.80	5.45	O/R
MOR1145060	114.50	126.50	6.00	6.55	7.45	O/R
MOR1146057	114.60	126.00	5.70	6.55	5.55	28.55
MOR1150016	115.00	118.20	1.60	2.85	3.25	O/R
MOR1150020	115.00	119.00	2.00	2.85	3.25	9.90
MOR1150025	115.00	120.00	2.50	2.85	3.25	11.00
MOR1150030	115.00	121.00	3.00	2.30	2.60	10.55
MOR1150031	115.00	121.20	3.10	O/R	O/R	11.75

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1150035	115.00	122.00	3.50	4.55	5.20	14.35
MOR1150035-1	115.00	122.10	3.55	O/R	O/R	14.35
MOR1150040	115.00	123.00	4.00	2.95	3.40	14.00
MOR1150041	115.00	123.20	4.10	5.70	6.50	O/R
MOR1150045	115.00	124.00	4.50	5.70	6.50	19.15
MOR1150050	115.00	125.00	5.00	4.55	5.20	23.70
MOR1150051	115.00	125.20	5.10	6.55	7.45	O/R
MOR1150053	115.00	125.60	5.30	O/R	O/R	25.30
MOR1150055	115.00	126.00	5.50	O/R	O/R	27.75
MOR1150060	115.00	127.00	6.00	6.55	7.45	30.95
MOR1150070	115.00	129.00	7.00	8.60	9.85	40.95
MOR1150080	115.00	131.00	8.00	O/R	O/R	61.45
MOR1150090	115.00	133.00	9.00	20.55	23.45	78.95
MOR1150091	115.00	133.20	9.10	27.20	31.10	O/R
MOR1150100	115.00	135.00	10.00	O/R	O/R	127.05
MOR1152025	115.20	120.20	2.50	O/R	O/R	11.00
MOR1155035	115.50	122.50	3.50	O/R	O/R	14.45
MOR1157057	115.70	127.10	5.70	6.55	7.45	O/R
MOR1158058	115.80	127.40	5.80	O/R	O/R	30.95
MOR1160015	116.00	119.00	1.50	2.85	3.25	O/R
MOR1160020	116.00	120.00	2.00	2.85	3.25	O/R
MOR1160025	116.00	121.00	2.50	O/R	O/R	11.00
MOR1160030	116.00	122.00	3.00	2.85	3.25	11.80
MOR1160035	116.00	123.00	3.50	O/R	O/R	14.45
MOR1160040	116.00	124.00	4.00	4.80	5.45	16.00
MOR1160050	116.00	126.00	5.00	O/R	O/R	23.80
MOR1160055	116.00	127.00	5.50	O/R	O/R	27.85
MOR1160070	116.00	130.00	7.00	8.60	9.85	48.15
MOR1160100	116.00	136.00	10.00	O/R	O/R	77.40
MOR1163057	116.30	127.70	5.70	O/R	O/R	29.05
MOR1165045	116.50	125.50	4.50	5.70	6.50	O/R
MOR1170025	117.00	122.00	2.50	2.85	3.25	11.15
MOR1170030	117.00	123.00	3.00	2.85	3.25	11.95
MOR1170035	117.00	124.00	3.50	O/R	O/R	14.60
MOR1170040	117.00	125.00	4.00	4.80	5.45	16.15
MOR1170042	117.00	125.40	4.20	5.70	6.50	O/R
MOR1170044	117.00	125.80	4.40	5.70	6.50	O/R
MOR1170050	117.00	127.00	5.00	5.70	6.50	23.95
MOR1170057	117.00	128.40	5.70	O/R	O/R	29.30
MOR1170070	117.00	131.00	7.00	8.60	9.85	41.40
MOR1174027	117.40	122.80	2.70	O/R	O/R	11.40
MOR1175040	117.50	125.50	4.00	4.80	5.45	O/R
MOR1175050	117.50	127.50	5.00	5.70	6.50	O/R
MOR1180020	118.00	122.00	2.00	2.85	3.25	10.05
MOR1180025	118.00	123.00	2.50	2.85	3.25	11.15
MOR1180027	118.00	123.40	2.70	O/R	O/R	11.95
MOR1180030	118.00	124.00	3.00	2.30	2.60	12.00
MOR1180035	118.00	125.00	3.50	O/R	O/R	14.70

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1180035-1	118.00	125.10	3.55	O/R	O/R	14.70
MOR1180040	118.00	126.00	4.00	2.95	3.40	16.25
MOR1180045	118.00	127.00	4.50	5.70	6.50	19.55
MOR1180050	118.00	128.00	5.00	5.70	6.50	24.10
MOR1180053	118.00	128.60	5.30	6.55	7.45	25.80
MOR1180060	118.00	130.00	6.00	O/R	O/R	31.65
MOR1180100	118.00	138.00	10.00	O/R	O/R	94.80
MOR1180120	118.00	142.00	12.00	29.95	34.20	O/R
MOR1180130	118.00	144.00	13.00	O/R	O/R	O/R
MOR1184040	118.40	126.40	4.00	4.80	5.45	O/R
MOR1185030	118.50	124.50	3.00	2.85	3.25	O/R
MOR1185050	118.50	128.50	5.00	5.70	6.50	O/R
MOR1186044	118.65	127.55	4.45	5.70	6.50	O/R
MOR1190020	119.00	123.00	2.00	2.85	3.25	O/R
MOR1190025	119.00	124.00	2.50	O/R	O/R	11.25
MOR1190030	119.00	125.00	3.00	O/R	O/R	12.00
MOR1190035	119.00	126.00	3.50	O/R	O/R	14.75
MOR1190040	119.00	127.00	4.00	4.80	5.45	16.35
MOR1190050	119.00	129.00	5.00	O/R	O/R	24.35
MOR1190057	119.00	130.40	5.70	6.55	7.45	29.65
MOR1190070	119.00	133.00	7.00	8.60	9.85	O/R
MOR1190100	119.00	139.00	10.00	O/R	O/R	127.55
MOR1190120	119.00	143.00	12.00	29.95	34.20	O/R
MOR1192052	119.20	129.60	5.20	6.55	7.45	27.85
MOR1192057	119.20	130.60	5.70	5.25	6.00	25.95
MOR1193057	119.30	130.70	5.70	5.25	6.00	25.95
MOR1195020	119.50	123.50	2.00	2.85	3.25	O/R
MOR1195030	119.50	125.50	3.00	2.30	2.60	10.85
MOR1195070	119.50	133.50	7.00	8.60	9.85	O/R
MOR1196057	119.60	131.00	5.70	O/R	5.75	29.80
MOR1198044	119.85	128.75	4.45	5.70	6.50	O/R
MOR1200020	120.00	124.00	2.00	2.85	3.25	10.15
MOR1200022	120.00	124.40	2.20	2.85	3.25	O/R
MOR1200025	120.00	125.00	2.50	2.85	3.25	11.35
MOR1200030	120.00	126.00	3.00	2.30	2.60	10.85
MOR1200032	120.00	126.40	3.20	4.55	5.20	O/R
MOR1200035	120.00	127.00	3.50	4.55	5.20	14.90
MOR1200040	120.00	128.00	4.00	2.95	3.40	14.45
MOR1200043	120.00	128.60	4.30	O/R	O/R	19.80
MOR1200045	120.00	129.00	4.50	5.70	6.50	19.80
MOR1200050	120.00	130.00	5.00	4.55	5.20	22.05
MOR1200054	120.00	130.90	5.45	O/R	O/R	34.05
MOR1200055	120.00	131.00	5.50	O/R	O/R	28.70
MOR1200060	120.00	132.00	6.00	6.55	7.45	32.25
MOR1200070	120.00	134.00	7.00	8.60	9.85	42.50
MOR1200091	120.00	138.20	9.10	27.20	31.10	O/R
MOR1200100	120.00	140.00	10.00	O/R	O/R	94.80
MOR1200140	120.00	148.00	14.00	31.30	35.75	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1203035	120.30	127.30	3.50	O/R	O/R	14.90
MOR1210020	121.00	125.00	2.00	4.00	4.60	O/R
MOR1210025	121.00	126.00	2.50	4.00	4.60	11.35
MOR1210030	121.00	127.00	3.00	O/R	O/R	12.25
MOR1210035	121.00	128.00	3.50	O/R	O/R	15.00
MOR1210040	121.00	129.00	4.00	O/R	O/R	16.75
MOR1210050	121.00	131.00	5.00	O/R	O/R	24.60
MOR1215022	121.50	125.90	2.20	4.00	4.60	O/R
MOR1215032	121.50	127.90	3.20	4.70	5.40	O/R
MOR1215040	121.50	129.50	4.00	5.20	5.95	O/R
MOR1220012	122.00	124.50	1.25	4.00	4.60	O/R
MOR1220020	122.00	126.00	2.00	4.00	4.60	O/R
MOR1220025	122.00	127.00	2.50	O/R	O/R	11.40
MOR1220030	122.00	128.00	3.00	2.50	2.85	12.30
MOR1220035	122.00	129.00	3.50	4.70	5.40	15.15
MOR1220035-1	122.00	129.10	3.55	4.70	5.40	15.15
MOR1220040	122.00	130.00	4.00	4.15	4.75	16.85
MOR1220045	122.00	131.00	4.50	5.95	6.80	20.15
MOR1220047	122.00	131.40	4.70	5.95	6.80	O/R
MOR1220050	122.00	132.00	5.00	5.95	6.80	24.85
MOR1220053	122.00	132.60	5.30	O/R	O/R	26.65
MOR1220055	122.00	133.00	5.50	O/R	O/R	29.15
MOR1220060	122.00	134.00	6.00	7.70	8.80	32.60
MOR1220063	122.00	134.60	6.30	9.20	10.55	O/R
MOR1220080	122.00	138.00	8.00	15.30	17.45	O/R
MOR1220100	122.00	142.00	10.00	O/R	O/R	100.75
MOR1228035	122.80	129.80	3.50	4.70	5.40	O/R
MOR1230020	123.00	127.00	2.00	4.00	4.60	O/R
MOR1230024	123.00	127.80	2.40	4.00	4.60	O/R
MOR1230025	123.00	128.00	2.50	4.00	4.60	11.55
MOR1230030	123.00	129.00	3.00	4.00	4.60	12.45
MOR1230035	123.00	130.00	3.50	O/R	O/R	15.25
MOR1230040	123.00	131.00	4.00	O/R	O/R	16.95
MOR1230050	123.00	133.00	5.00	O/R	O/R	24.95
MOR1230060	123.00	135.00	6.00	7.70	8.80	32.85
MOR1230070	123.00	137.00	7.00	9.20	10.55	43.45
MOR1230080	123.00	139.00	8.00	15.30	17.45	O/R
MOR1230150	123.00	153.00	15.00	O/R	O/R	O/R
MOR1235026	123.50	128.80	2.65	4.00	4.60	O/R
MOR1235030	123.50	129.50	3.00	4.00	4.60	O/R
MOR1235035	123.50	130.50	3.50	4.70	5.40	O/R
MOR1235040	123.50	131.50	4.00	5.20	5.95	O/R
MOR1240020	124.00	128.00	2.00	4.00	4.60	10.70
MOR1240025	124.00	129.00	2.50	4.00	4.60	11.55
MOR1240030	124.00	130.00	3.00	4.00	4.60	12.45
MOR1240032	124.00	130.40	3.20	4.70	5.40	O/R
MOR1240035	124.00	131.00	3.50	O/R	O/R	15.40
MOR1240040	124.00	132.00	4.00	4.15	4.75	17.00

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1240041	124.00	132.30	4.15	5.95	6.80	O/R
MOR1240045	124.00	133.00	4.50	5.95	6.80	22.15
MOR1240050	124.00	134.00	5.00	O/R	O/R	25.05
MOR1240057	124.00	135.40	5.70	7.70	8.80	O/R
MOR1240060	124.00	136.00	6.00	7.70	8.80	33.05
MOR1240070	124.00	138.00	7.00	O/R	O/R	43.55
MOR1240080	124.00	140.00	8.00	15.30	17.45	68.80
MOR1241084	124.10	140.90	8.40	O/R	O/R	61.80
MOR1242057	124.20	135.60	5.70	5.45	6.25	26.90
MOR1243057	124.30	135.70	5.70	5.45	6.25	26.90
MOR1245030	124.50	130.50	3.00	2.50	2.85	11.15
MOR1245040	124.50	132.50	4.00	5.20	5.95	O/R
MOR1245050	124.50	134.50	5.00	5.95	6.80	O/R
MOR1246057	124.60	136.00	5.70	7.70	5.95	30.85
MOR1248025	124.80	129.80	2.50	4.00	4.60	O/R
MOR1250015	125.00	128.00	1.50	4.00	4.60	O/R
MOR1250018	125.00	128.60	1.80	O/R	O/R	10.15
MOR1250020	125.00	129.00	2.00	4.00	4.60	10.40
MOR1250024	125.00	129.80	2.40	4.00	4.60	O/R
MOR1250025	125.00	130.00	2.50	4.00	4.60	11.60
MOR1250030	125.00	131.00	3.00	2.50	2.85	11.15
MOR1250032	125.00	131.40	3.20	O/R	O/R	12.50
MOR1250035	125.00	132.00	3.50	4.70	5.40	15.50
MOR1250035-1	125.00	132.10	3.55	O/R	O/R	15.50
MOR1250040	125.00	133.00	4.00	4.15	4.75	17.15
MOR1250050	125.00	135.00	5.00	4.75	5.45	25.20
MOR1250053	125.00	135.60	5.30	O/R	O/R	27.25
MOR1250060	125.00	137.00	6.00	7.70	8.80	33.30
MOR1250063	125.00	137.60	6.30	9.20	10.55	O/R
MOR1250070	125.00	139.00	7.00	9.20	10.55	43.95
MOR1250075	125.00	140.00	7.50	O/R	O/R	61.75
MOR1250080	125.00	141.00	8.00	O/R	O/R	68.80
MOR1250091	125.00	143.20	9.10	29.40	33.60	O/R
MOR1250100	125.00	145.00	10.00	O/R	O/R	100.75
MOR1250120	125.00	149.00	12.00	32.35	36.95	O/R
MOR1251066	125.10	138.30	6.60	9.20	10.55	O/R
MOR1252057	125.20	136.60	5.70	7.70	8.80	O/R
MOR1259030	125.90	131.90	3.00	O/R	O/R	12.60
MOR1260020	126.00	130.00	2.00	4.00	4.60	O/R
MOR1260022	126.00	130.40	2.20	4.00	4.60	11.60
MOR1260025	126.00	131.00	2.50	O/R	O/R	11.60
MOR1260030	126.00	132.00	3.00	O/R	O/R	12.60
MOR1260032	126.00	132.40	3.20	4.70	5.40	O/R
MOR1260035	126.00	133.00	3.50	O/R	O/R	15.60
MOR1260040	126.00	134.00	4.00	4.15	4.75	17.25
MOR1260045	126.00	135.00	4.50	5.95	6.80	22.35
MOR1260050	126.00	136.00	5.00	5.95	6.80	25.30
MOR1260055	126.00	137.00	5.50	O/R	O/R	30.15

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1260070	126.00	140.00	7.00	9.20	10.55	45.00
MOR1260100	126.00	146.00	10.00	15.40	17.60	O/R
MOR1265030	126.50	132.50	3.00	4.00	4.60	O/R
MOR1265051	126.50	136.70	5.10	O/R	O/R	27.50
MOR1267070	126.70	140.70	7.00	O/R	O/R	45.90
MOR1269064	126.90	139.70	6.40	O/R	O/R	42.85
MOR1270012	127.00	129.40	1.20	4.00	4.60	O/R
MOR1270025	127.00	132.00	2.50	4.00	4.60	11.95
MOR1270030	127.00	133.00	3.00	4.00	4.60	12.95
MOR1270035	127.00	134.00	3.50	4.70	5.40	16.00
MOR1270040	127.00	135.00	4.00	5.20	5.95	17.95
MOR1270050	127.00	137.00	5.00	5.95	6.80	26.40
MOR1275030	127.50	133.50	3.00	4.00	4.60	O/R
MOR1275040	127.50	135.50	4.00	5.20	5.95	O/R
MOR1277015	127.70	130.70	1.50	4.00	4.60	O/R
MOR1277040	127.70	135.70	4.00	5.20	5.95	O/R
MOR1280020	128.00	132.00	2.00	4.00	4.60	10.70
MOR1280025	128.00	133.00	2.50	O/R	O/R	12.10
MOR1280030	128.00	134.00	3.00	2.50	2.85	13.10
MOR1280035	128.00	135.00	3.50	O/R	O/R	16.25
MOR1280035-1	128.00	135.10	3.55	O/R	O/R	16.25
MOR1280040	128.00	136.00	4.00	4.15	4.75	18.05
MOR1280045	128.00	137.00	4.50	O/R	O/R	23.05
MOR1280050	128.00	138.00	5.00	O/R	O/R	26.65
MOR1280053	128.00	138.60	5.30	O/R	O/R	28.45
MOR1280060	128.00	140.00	6.00	7.70	8.80	35.65
MOR1280070	128.00	142.00	7.00	9.20	10.55	O/R
MOR1280090	128.00	146.00	9.00	O/R	O/R	84.25
MOR1280120	128.00	152.00	12.00	32.35	36.95	O/R
MOR1285030	128.50	134.50	3.00	O/R	O/R	13.45
MOR1285040	128.50	136.50	4.00	5.20	5.95	O/R
MOR1285051	128.50	138.70	5.10	O/R	O/R	29.40
MOR1290020	129.00	133.00	2.00	O/R	O/R	11.50
MOR1290025	129.00	134.00	2.50	O/R	O/R	12.45
MOR1290030	129.00	135.00	3.00	4.00	4.60	13.45
MOR1290035	129.00	136.00	3.50	O/R	O/R	16.60
MOR1290040	129.00	137.00	4.00	5.20	5.95	18.20
MOR1290043	129.00	137.60	4.30	5.95	6.80	O/R
MOR1290045	129.00	138.00	4.50	5.95	6.80	O/R
MOR1290050	129.00	139.00	5.00	5.95	6.80	27.15
MOR1290055	129.00	140.00	5.50	7.70	8.80	O/R
MOR1290060	129.00	141.00	6.00	O/R	O/R	35.90
MOR1290070	129.00	143.00	7.00	O/R	O/R	46.95
MOR1290080	129.00	145.00	8.00	15.30	17.45	O/R
MOR1292057	129.20	140.60	5.70	5.45	6.25	29.30
MOR1293057	129.30	140.70	5.70	5.45	6.25	29.30
MOR1294031	129.40	135.60	3.10	4.70	2.70	O/R
MOR1295030	129.50	135.50	3.00	2.50	2.85	11.95

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1295040	129.50	137.50	4.00	O/R	O/R	18.35
MOR1295050	129.50	139.50	5.00	5.95	6.80	27.35
MOR1295055	129.50	140.50	5.50	O/R	O/R	32.40
MOR1295016	129.54	132.84	1.65	4.00	4.60	O/R
MOR1296057	129.60	141.00	5.70	O/R	6.30	33.45
MOR1300015	130.00	133.00	1.50	4.00	4.60	10.40
MOR1300020	130.00	134.00	2.00	4.00	4.60	11.25
MOR1300025	130.00	135.00	2.50	4.00	4.60	12.75
MOR1300030	130.00	136.00	3.00	2.50	2.85	11.95
MOR1300031	130.00	136.30	3.15	O/R	O/R	13.60
MOR1300035	130.00	137.00	3.50	4.70	5.40	16.75
MOR1300040	130.00	138.00	4.00	4.15	4.75	16.35
MOR1300043	130.00	138.60	4.30	5.95	6.80	O/R
MOR1300045	130.00	139.00	4.50	5.95	6.80	23.80
MOR1300050	130.00	140.00	5.00	4.75	5.45	24.10
MOR1300060	130.00	142.00	6.00	7.70	8.80	36.25
MOR1300065	130.00	143.00	6.50	9.20	10.55	O/R
MOR1300070	130.00	144.00	7.00	9.20	10.55	47.80
MOR1300075	130.00	145.00	7.50	11.45	13.05	O/R
MOR1300080	130.00	146.00	8.00	15.30	17.45	55.80
MOR1300095	130.00	149.00	9.50	29.40	33.60	O/R
MOR1300100	130.00	150.00	10.00	O/R	O/R	134.45
MOR1300150	130.00	160.00	15.00	O/R	O/R	O/R
MOR1304028	130.40	136.00	2.80	O/R	O/R	25.80
MOR1305025	130.50	135.50	2.50	4.25	4.85	O/R
MOR1305035	130.50	137.50	3.50	4.80	5.50	O/R
MOR1305040	130.50	138.50	4.00	5.75	6.60	O/R
MOR1310015	131.00	134.00	1.50	O/R	O/R	23.95
MOR1310017	131.00	134.40	1.70	4.25	4.85	O/R
MOR1310024	131.00	135.80	2.40	4.25	4.85	O/R
MOR1310025	131.00	136.00	2.50	4.25	4.85	13.10
MOR1310030	131.00	137.00	3.00	O/R	O/R	13.65
MOR1310035	131.00	138.00	3.50	4.80	5.50	16.85
MOR1310040	131.00	139.00	4.00	5.75	6.60	18.80
MOR1310045	131.00	140.00	4.50	6.20	7.10	O/R
MOR1310050	131.00	141.00	5.00	O/R	O/R	27.60
MOR1312057	131.20	142.60	5.70	8.30	9.50	O/R
MOR1315045	131.50	140.50	4.50	6.20	7.10	24.05
MOR1316057	131.60	143.00	5.70	8.30	6.50	O/R
MOR1320015	132.00	135.00	1.50	4.25	4.85	O/R
MOR1320016	132.00	135.20	1.60	O/R	O/R	11.55
MOR1320017	132.00	135.40	1.70	4.25	4.85	O/R
MOR1320020	132.00	136.00	2.00	4.25	4.85	11.55
MOR1320024	132.00	136.80	2.40	4.25	4.85	O/R
MOR1320025	132.00	137.00	2.50	O/R	O/R	13.20
MOR1320030	132.00	138.00	3.00	2.65	3.00	14.25
MOR1320035	132.00	139.00	3.50	O/R	O/R	16.95
MOR1320035-1	132.00	139.10	3.55	O/R	O/R	16.95

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1320040	132.00	140.00	4.00	4.60	5.25	19.05
MOR1320045	132.00	141.00	4.50	6.20	7.10	24.10
MOR1320050	132.00	142.00	5.00	6.20	7.10	24.45
MOR1320053	132.00	142.60	5.30	O/R	O/R	30.00
MOR1320056	132.00	143.30	5.65	8.30	9.50	O/R
MOR1320058	132.00	143.60	5.80	O/R	O/R	36.75
MOR1320060	132.00	144.00	6.00	8.30	9.50	36.75
MOR1320070	132.00	146.00	7.00	O/R	O/R	107.50
MOR1320080	132.00	148.00	8.00	17.40	19.85	O/R
MOR1322057	132.20	143.60	5.70	8.30	9.50	O/R
MOR1325016	132.50	135.70	1.60	4.25	4.85	O/R
MOR1325030	132.50	138.50	3.00	O/R	O/R	14.35
MOR1325035	132.50	139.50	3.50	O/R	O/R	17.05
MOR1328058	132.80	144.40	5.80	8.30	9.50	36.75
MOR1329025	132.90	137.90	2.50	4.25	4.85	O/R
MOR1330015	133.00	136.00	1.50	4.25	4.85	11.05
MOR1330020	133.00	137.00	2.00	4.25	4.85	O/R
MOR1330025	133.00	138.00	2.50	4.25	4.85	13.45
MOR1330030	133.00	139.00	3.00	O/R	O/R	14.35
MOR1330035	133.00	140.00	3.50	4.80	5.50	17.00
MOR1330037	133.00	140.40	3.70	O/R	O/R	19.20
MOR1330040	133.00	141.00	4.00	5.75	6.60	19.15
MOR1330044	133.00	141.80	4.40	6.20	7.10	24.20
MOR1330050	133.00	143.00	5.00	6.20	7.10	27.85
MOR1330070	133.00	147.00	7.00	9.75	11.15	48.60
MOR1332057	133.20	144.60	5.70	8.30	9.50	O/R
MOR1335040	133.50	141.50	4.00	5.75	6.60	O/R
MOR1336022	133.60	138.00	2.20	4.25	4.85	O/R
MOR1336058	133.60	145.20	5.80	O/R	O/R	37.10
MOR1340015	134.00	137.00	1.50	4.25	4.85	O/R
MOR1340016	134.00	137.20	1.60	4.25	4.85	O/R
MOR1340025	134.00	139.00	2.50	4.25	4.85	13.65
MOR1340030	134.00	140.00	3.00	2.65	3.00	15.00
MOR1340031	134.00	140.20	3.10	4.80	5.50	O/R
MOR1340032	134.00	140.40	3.20	4.80	5.50	O/R
MOR1340035	134.00	141.00	3.50	O/R	O/R	17.15
MOR1340040	134.00	142.00	4.00	5.75	6.60	19.30
MOR1340045	134.00	143.00	4.50	6.20	7.10	24.35
MOR1340050	134.00	144.00	5.00	O/R	O/R	28.10
MOR1340058	134.00	145.60	5.80	O/R	O/R	37.10
MOR1340060	134.00	146.00	6.00	8.30	9.50	37.10
MOR1340070	134.00	148.00	7.00	O/R	O/R	48.95
MOR1341084	134.10	150.90	8.40	O/R	O/R	108.70
MOR1342057	134.20	145.60	5.70	5.90	6.75	30.25
MOR1343057	134.30	145.70	5.70	5.90	6.75	30.25
MOR1343060	134.30	146.30	6.00	8.30	9.50	O/R
MOR1345030	134.50	140.50	3.00	2.65	3.00	13.20
MOR1345040	134.50	142.50	4.00	5.75	6.60	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1345045	134.50	143.50	4.50	6.20	7.10	24.45
MOR1346057	134.60	146.00	5.70	8.30	6.70	34.60
MOR1350015	135.00	138.00	1.50	4.25	4.85	11.35
MOR1350019	135.00	138.80	1.90	4.25	4.85	O/R
MOR1350020	135.00	139.00	2.00	4.25	4.85	12.00
MOR1350025	135.00	140.00	2.50	4.25	4.85	13.85
MOR1350030	135.00	141.00	3.00	2.65	3.00	13.20
MOR1350035	135.00	142.00	3.50	4.80	5.50	17.25
MOR1350040	135.00	143.00	4.00	4.60	5.25	16.95
MOR1350041	135.00	143.20	4.10	6.20	7.10	O/R
MOR1350045	135.00	144.00	4.50	O/R	O/R	24.60
MOR1350050	135.00	145.00	5.00	5.00	5.70	28.35
MOR1350060	135.00	147.00	6.00	8.30	9.50	37.35
MOR1350070	135.00	149.00	7.00	9.75	11.15	49.30
MOR1350080	135.00	151.00	8.00	O/R	O/R	72.80
MOR1350090	135.00	153.00	9.00	24.15	27.60	O/R
MOR1350091	135.00	153.20	9.10	31.65	36.20	O/R
MOR1354042	135.40	143.80	4.20	6.20	7.10	O/R
MOR1360020	136.00	140.00	2.00	O/R	O/R	12.80
MOR1360025	136.00	141.00	2.50	O/R	O/R	14.10
MOR1360030	136.00	142.00	3.00	O/R	O/R	15.25
MOR1360035	136.00	143.00	3.50	4.80	5.50	17.35
MOR1360035-1	136.00	143.10	3.55	4.80	5.50	17.35
MOR1360038	136.00	143.60	3.80	O/R	O/R	19.55
MOR1360040	136.00	144.00	4.00	5.75	6.60	19.45
MOR1360050	136.00	146.00	5.00	6.20	7.10	28.45
MOR1360053	136.00	146.60	5.30	8.30	9.50	30.70
MOR1360055	136.00	147.00	5.50	O/R	O/R	33.80
MOR1360060	136.00	148.00	6.00	O/R	O/R	37.75
MOR1360070	136.00	150.00	7.00	9.75	11.15	49.65
MOR1360080	136.00	152.00	8.00	O/R	O/R	58.95
MOR1365040	136.50	144.50	4.00	5.75	6.60	O/R
MOR1370020	137.00	141.00	2.00	4.25	4.85	O/R
MOR1370025	137.00	142.00	2.50	O/R	O/R	14.35
MOR1370030	137.00	143.00	3.00	4.25	4.85	15.60
MOR1370034	137.00	143.80	3.40	4.80	5.50	O/R
MOR1370035	137.00	144.00	3.50	4.80	5.50	17.45
MOR1370040	137.00	145.00	4.00	5.75	6.60	19.55
MOR1370045	137.00	146.00	4.50	O/R	O/R	24.85
MOR1370050	137.00	147.00	5.00	6.20	7.10	28.55
MOR1370060	137.00	149.00	6.00	O/R	O/R	37.95
MOR1370065	137.00	150.00	6.50	9.75	11.15	O/R
MOR1370072	137.00	151.40	7.20	17.40	19.85	O/R
MOR1375022	137.50	141.90	2.20	4.25	4.85	O/R
MOR1375030	137.50	143.50	3.00	4.25	4.85	O/R
MOR1380010	138.00	140.00	1.00	4.25	4.85	O/R
MOR1380019	138.00	141.80	1.90	4.25	4.85	12.50
MOR1380020	138.00	142.00	2.00	O/R	O/R	13.25

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1380021	138.00	142.20	2.10	4.25	4.85	12.50
MOR1380025	138.00	143.00	2.50	O/R	O/R	14.60
MOR1380030	138.00	144.00	3.00	2.65	3.00	15.60
MOR1380035	138.00	145.00	3.50	4.80	5.50	17.60
MOR1380040	138.00	146.00	4.00	4.60	5.25	19.65
MOR1380050	138.00	148.00	5.00	6.20	7.10	28.80
MOR1380060	138.00	150.00	6.00	8.30	9.50	38.20
MOR1380100	138.00	158.00	10.00	O/R	O/R	106.90
MOR1385065	138.50	151.60	6.55	9.75	11.15	O/R
MOR1390025	139.00	144.00	2.50	O/R	O/R	14.75
MOR1390030	139.00	145.00	3.00	2.65	3.00	16.00
MOR1390035	139.00	146.00	3.50	4.80	5.50	17.85
MOR1390040	139.00	147.00	4.00	5.75	6.60	19.80
MOR1390060	139.00	151.00	6.00	O/R	O/R	38.40
MOR1390070	139.00	153.00	7.00	9.75	11.15	50.65
MOR1392057	139.20	150.60	5.70	5.90	6.75	31.30
MOR1392060	139.20	151.20	6.00	O/R	O/R	38.55
MOR1393057	139.30	150.70	5.70	5.90	6.75	31.30
MOR1394031	139.40	145.60	3.10	4.80	2.90	O/R
MOR1395030	139.50	145.50	3.00	2.65	3.00	14.10
MOR1395040	139.50	147.50	4.00	O/R	O/R	19.90
MOR1396057	139.60	151.00	5.70	8.30	6.85	35.75
MOR1397047	139.70	149.20	4.75	6.20	7.10	O/R
MOR1400015	140.00	143.00	1.50	5.60	6.40	O/R
MOR1400020	140.00	144.00	2.00	4.25	4.85	12.85
MOR1400021	140.00	144.20	2.10	O/R	O/R	12.85
MOR1400025	140.00	145.00	2.50	O/R	O/R	14.90
MOR1400028	140.00	145.60	2.80	O/R	O/R	28.55
MOR1400030	140.00	146.00	3.00	2.65	3.00	14.10
MOR1400031	140.00	146.30	3.15	4.80	5.50	17.90
MOR1400035	140.00	147.00	3.50	O/R	O/R	17.95
MOR1400035-1	140.00	147.10	3.55	4.80	5.50	17.95
MOR1400038	140.00	147.60	3.80	O/R	O/R	20.15
MOR1400040	140.00	148.00	4.00	4.60	5.25	17.45
MOR1400043	140.00	148.60	4.30	6.20	7.10	O/R
MOR1400045	140.00	149.00	4.50	6.20	7.10	25.20
MOR1400050	140.00	150.00	5.00	5.00	5.70	25.45
MOR1400053	140.00	150.60	5.30	8.30	9.50	31.55
MOR1400060	140.00	152.00	6.00	8.30	9.50	38.65
MOR1400070	140.00	154.00	7.00	9.75	11.15	51.00
MOR1400075	140.00	155.00	7.50	O/R	O/R	53.40
MOR1400080	140.00	156.00	8.00	17.40	19.85	59.40
MOR1400100	140.00	160.00	10.00	31.65	36.20	O/R
MOR1405024	140.50	145.30	2.40	O/R	O/R	15.00
MOR1405045	140.50	149.50	4.50	6.55	7.45	25.30
MOR1410019	141.00	144.80	1.90	4.55	5.20	13.00
MOR1410020	141.00	145.00	2.00	4.55	5.20	O/R
MOR1410024	141.00	145.80	2.40	4.55	5.20	15.15

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1410025	141.00	146.00	2.50	O/R	O/R	15.15
MOR1410030	141.00	147.00	3.00	4.55	5.20	16.25
MOR1410035	141.00	148.00	3.50	O/R	O/R	18.05
MOR1410040	141.00	149.00	4.00	O/R	O/R	20.15
MOR1410050	141.00	151.00	5.00	O/R	O/R	29.40
MOR1410058	141.00	152.60	5.80	O/R	O/R	39.05
MOR1415030	141.50	147.50	3.00	4.55	5.20	O/R
MOR1420016	142.00	145.20	1.60	O/R	O/R	13.30
MOR1420025	142.00	147.00	2.50	O/R	O/R	15.25
MOR1420030	142.00	148.00	3.00	2.80	3.20	16.35
MOR1420035	142.00	149.00	3.50	5.10	5.80	18.20
MOR1420040	142.00	150.00	4.00	4.80	5.50	21.90
MOR1420050	142.00	152.00	5.00	6.55	7.45	29.65
MOR1420058	142.00	153.60	5.80	O/R	O/R	39.25
MOR1420060	142.00	154.00	6.00	8.70	9.95	39.25
MOR1420063	142.00	154.60	6.30	10.40	11.85	O/R
MOR1420070	142.00	156.00	7.00	10.40	11.85	51.70
MOR1425030	142.50	148.50	3.00	4.55	5.20	O/R
MOR1427057	142.70	154.10	5.70	8.70	9.95	O/R
MOR1428058	142.80	154.40	5.80	8.70	9.95	39.30
MOR1430016	143.00	146.20	1.60	O/R	O/R	12.00
MOR1430020	143.00	147.00	2.00	4.55	5.20	O/R
MOR1430025	143.00	148.00	2.50	O/R	O/R	15.50
MOR1430030	143.00	149.00	3.00	4.55	5.20	16.50
MOR1430035	143.00	150.00	3.50	5.10	5.80	18.20
MOR1430040	143.00	151.00	4.00	6.00	6.85	22.05
MOR1430050	143.00	153.00	5.00	O/R	O/R	29.90
MOR1430055	143.00	154.00	5.50	O/R	O/R	35.20
MOR1430070	143.00	157.00	7.00	O/R	O/R	52.15
MOR1430080	143.00	159.00	8.00	O/R	O/R	77.95
MOR1433057	143.30	154.70	5.70	O/R	O/R	36.85
MOR1434030	143.40	149.40	3.00	4.55	5.20	O/R
MOR1435016	143.50	146.70	1.60	4.55	5.20	O/R
MOR1435040	143.50	151.50	4.00	O/R	O/R	22.15
MOR1440020	144.00	148.00	2.00	4.55	5.20	14.15
MOR1440025	144.00	149.00	2.50	4.55	5.20	15.60
MOR1440030	144.00	150.00	3.00	2.80	3.20	16.60
MOR1440032	144.00	150.50	3.25	5.10	5.80	O/R
MOR1440035	144.00	151.00	3.50	5.10	5.80	18.35
MOR1440037	144.00	151.40	3.70	6.00	6.85	O/R
MOR1440038	144.00	151.60	3.80	O/R	O/R	22.30
MOR1440040	144.00	152.00	4.00	4.80	5.50	17.95
MOR1440045	144.00	153.00	4.50	6.55	7.45	26.05
MOR1440050	144.00	154.00	5.00	6.55	7.45	30.00
MOR1440057	144.00	155.40	5.70	O/R	O/R	36.95
MOR1440060	144.00	156.00	6.00	O/R	O/R	39.55
MOR1441084	144.10	160.90	8.40	O/R	O/R	75.00
MOR1442057	144.20	155.60	5.70	6.15	7.05	32.40
MOR1443057	144.30	155.70	5.70	6.15	7.05	32.40
MOR1444031	144.40	150.60	3.10	5.10	3.15	O/R
MOR1445030	144.50	150.50	3.00	2.80	3.20	14.60
MOR1445040	144.50	152.50	4.00	6.00	6.85	O/R
MOR1446057	144.60	156.00	5.70	8.70	7.05	36.95
MOR1447030	144.70	150.70	3.00	4.55	5.20	O/R
MOR1450015	145.00	148.00	1.50	O/R	O/R	12.05
MOR1450025	145.00	150.00	2.50	4.55	5.20	15.75
MOR1450030	145.00	151.00	3.00	2.80	3.20	14.60
MOR1450035	145.00	152.00	3.50	5.10	5.80	18.45
MOR1450035-1	145.00	152.10	3.55	5.10	5.80	18.45
MOR1450040	145.00	153.00	4.00	4.80	5.50	22.20
MOR1450045	145.00	154.00	4.50	6.55	7.45	26.05
MOR1450050	145.00	155.00	5.00	5.25	6.00	30.10
MOR1450053	145.00	155.60	5.30	8.65	9.90	32.60
MOR1450055	145.00	156.00	5.50	O/R	O/R	35.75
MOR1450057	145.00	156.40	5.70	O/R	O/R	46.85
MOR1450060	145.00	157.00	6.00	8.70	9.95	39.90
MOR1450065	145.00	158.00	6.50	10.40	11.85	O/R
MOR1450070	145.00	159.00	7.00	10.40	11.85	52.75
MOR1450075	145.00	160.00	7.50	O/R	O/R	68.80
MOR1450080	145.00	161.00	8.00	O/R	O/R	77.80
MOR1450100	145.00	165.00	10.00	O/R	O/R	112.50
MOR1454065	145.45	158.55	6.55	10.40	11.85	O/R
MOR1455065	145.50	158.50	6.50	10.40	11.85	O/R
MOR1457070	145.70	159.70	7.00	10.40	11.85	O/R
MOR1460020	146.00	150.00	2.00	4.55	5.20	O/R
MOR1460025	146.00	151.00	2.50	4.55	5.20	15.85
MOR1460030	146.00	152.00	3.00	4.55	5.20	16.85
MOR1460035	146.00	153.00	3.50	5.10	5.80	18.60
MOR1460040	146.00	154.00	4.00	4.80	5.50	22.35
MOR1460045	146.00	155.00	4.50	6.55	7.45	37.35
MOR1460050	146.00	156.00	5.00	6.55	7.45	30.50
MOR1460060	146.00	158.00	6.00	O/R	O/R	40.15
MOR1460070	146.00	160.00	7.00	O/R	O/R	60.70
MOR1460047	146.07	155.47	4.70	6.55	7.45	O/R
MOR1465040	146.50	154.50	4.00	6.00	6.85	O/R
MOR1470015	147.00	150.00	1.50	O/R	O/R	12.70
MOR1470025	147.00	152.00	2.50	O/R	O/R	15.85
MOR1470030	147.00	153.00	3.00	4.55	5.20	16.95
MOR1470035	147.00	154.00	3.50	O/R	O/R	19.15
MOR1470040	147.00	155.00	4.00	6.00	6.85	22.45
MOR1470050	147.00	157.00	5.00	6.55	7.45	30.60
MOR1475030	147.50	153.50	3.00	4.55	5.20	O/R
MOR1480020	148.00	152.00	2.00	4.55	5.20	O/R
MOR1480025	148.00	153.00	2.50	O/R	O/R	15.90
MOR1480030	148.00	154.00	3.00	4.55	5.20	16.95
MOR1480035	148.00	155.00	3.50	O/R	O/R	19.30

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1480040	148.00	156.00	4.00	O/R	O/R	22.60
MOR1480050	148.00	158.00	5.00	6.55	7.45	30.70
MOR1480060	148.00	160.00	6.00	8.70	9.95	40.70
MOR1480070	148.00	162.00	7.00	10.40	11.85	53.50
MOR1480084	148.00	164.80	8.40	O/R	O/R	85.10
MOR1480100	148.00	168.00	10.00	34.05	38.95	149.10
MOR1480120	148.00	172.00	12.00	37.45	42.80	O/R
MOR1482057	148.20	159.60	5.70	8.70	9.95	O/R
MOR1482058	148.20	159.80	5.80	O/R	O/R	40.60
MOR1484016	148.40	151.60	1.60	4.55	5.20	O/R
MOR1490020	149.00	153.00	2.00	O/R	O/R	13.75
MOR1490025	149.00	154.00	2.50	O/R	O/R	16.00
MOR1490030	149.00	155.00	3.00	4.55	5.20	16.95
MOR1490035	149.00	156.00	3.50	5.10	5.80	19.65
MOR1490040	149.00	157.00	4.00	O/R	O/R	22.65
MOR1490050	149.00	159.00	5.00	O/R	O/R	30.95
MOR1490060	149.00	161.00	6.00	8.70	9.95	O/R
MOR1490070	149.00	163.00	7.00	10.40	11.85	53.95
MOR1491094	149.10	167.90	9.40	O/R	O/R	77.50
MOR1492057	149.20	160.60	5.70	6.15	7.05	33.30
MOR1493057	149.30	160.70	5.70	6.15	7.40	33.30
MOR1495020	149.50	153.50	2.00	4.55	5.20	O/R
MOR1495030	149.50	155.50	3.00	2.80	3.20	14.75
MOR1496057	149.60	161.00	5.70	O/R	O/R	38.10
MOR1500012	150.00	152.40	1.20	4.55	5.20	O/R
MOR1500020	150.00	154.00	2.00	4.55	5.20	13.75
MOR1500025	150.00	155.00	2.50	4.55	5.20	16.00
MOR1500030	150.00	156.00	3.00	2.80	3.20	14.75
MOR1500032	150.00	156.40	3.20	5.10	5.80	O/R
MOR1500035	150.00	157.00	3.50	5.10	5.80	19.80
MOR1500035-1	150.00	157.10	3.55	5.10	5.80	19.90
MOR1500040	150.00	158.00	4.00	4.80	5.50	18.60
MOR1500042	150.00	158.40	4.20	9.65	11.05	26.90
MOR1500045	150.00	159.00	4.50	6.55	7.45	26.80
MOR1500050	150.00	160.00	5.00	5.25	6.00	27.25
MOR1500053	150.00	160.60	5.30	O/R	O/R	33.65
MOR1500054	150.00	160.80	5.40	O/R	O/R	34.05
MOR1500055	150.00	161.00	5.50	8.70	9.95	O/R
MOR1500060	150.00	162.00	6.00	8.70	9.95	41.20
MOR1500070	150.00	164.00	7.00	O/R	O/R	61.15
MOR1500075	150.00	165.00	7.50	O/R	O/R	68.80
MOR1500080	150.00	166.00	8.00	19.95	22.80	63.20
MOR1500100	150.00	170.00	10.00	34.05	38.95	O/R
MOR1510030	151.00	157.00	3.00	O/R	O/R	16.95
MOR1510035	151.00	158.00	3.50	O/R	O/R	19.90
MOR1510040	151.00	159.00	4.00	6.30	7.20	22.90
MOR1510050	151.00	161.00	5.00	O/R	O/R	31.30
MOR1510080	151.00	167.00	8.00	19.90	22.75	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1510110	151.00	173.00	11.00	34.40	39.30	O/R
MOR1520023	152.00	156.60	2.30	O/R	6.45	O/R
MOR1520025	152.00	157.00	2.50	5.65	O/R	16.15
MOR1520030	152.00	158.00	3.00	5.65	6.45	16.95
MOR1520035	152.00	159.00	3.50	6.30	7.20	20.15
MOR1520040	152.00	160.00	4.00	6.30	7.20	22.90
MOR1520050	152.00	162.00	5.00	O/R	O/R	31.55
MOR1520070	152.00	166.00	7.00	11.90	13.60	54.40
MOR1520100	152.00	172.00	10.00	O/R	O/R	118.00
MOR1520105	152.00	173.00	10.50	34.40	39.30	O/R
MOR1525025	152.50	157.50	2.50	5.65	6.45	16.15
MOR1530020	153.00	157.00	2.00	5.65	6.45	O/R
MOR1530025	153.00	158.00	2.50	5.65	6.45	O/R
MOR1530030	153.00	159.00	3.00	5.65	6.45	16.95
MOR1530035	153.00	160.00	3.50	6.30	7.20	21.90
MOR1530040	153.00	161.00	4.00	6.30	7.20	23.05
MOR1530045	153.00	162.00	4.50	O/R	O/R	27.25
MOR1530050	153.00	163.00	5.00	8.65	9.90	31.80
MOR1530060	153.00	165.00	6.00	9.85	11.25	41.80
MOR1535030	153.50	159.50	3.00	O/R	O/R	17.00
MOR1535050	153.50	163.50	5.00	O/R	O/R	31.90
MOR1535068	153.50	167.10	6.80	11.90	13.60	O/R
MOR1540030	154.00	160.00	3.00	4.50	5.15	17.00
MOR1540035	154.00	161.00	3.50	O/R	O/R	22.05
MOR1540038	154.00	161.60	3.80	O/R	O/R	23.30
MOR1540040	154.00	162.00	4.00	O/R	O/R	23.30
MOR1540050	154.00	164.00	5.00	O/R	O/R	32.05
MOR1540060	154.00	166.00	6.00	9.85	11.25	53.95
MOR1540070	154.00	168.00	7.00	O/R	O/R	65.60
MOR1540100	154.00	174.00	10.00	32.75	37.45	118.50
MOR1541084	154.10	170.90	8.40	O/R	O/R	79.55
MOR1542057	154.20	165.60	5.70	7.90	9.00	34.40
MOR1543057	154.30	165.70	5.70	7.90	7.95	34.40
MOR1544031	154.40	160.60	3.10	6.30	9.85	O/R
MOR1544040	154.40	162.40	4.00	6.30	7.20	O/R
MOR1545030	154.50	160.50	3.00	4.50	5.15	14.90
MOR1550015	155.00	158.00	1.50	5.65	6.45	O/R
MOR1550020	155.00	159.00	2.00	5.65	6.45	O/R
MOR1550030	155.00	161.00	3.00	4.50	5.15	15.00
MOR1550032	155.00	161.40	3.20	O/R	O/R	17.15
MOR1550035	155.00	162.00	3.50	6.30	7.20	22.15
MOR1550040	155.00	163.00	4.00	5.05	5.75	23.30
MOR1550045	155.00	164.00	4.50	8.65	9.90	27.60
MOR1550050	155.00	165.00	5.00	6.15	7.00	32.15
MOR1550053	155.00	165.60	5.30	O/R	O/R	34.75
MOR1550055	155.00	166.00	5.50	O/R	O/R	37.85
MOR1550060	155.00	167.00	6.00	9.85	11.25	42.25
MOR1550064	155.00	167.80	6.40	O/R	O/R	56.15

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1550070	155.00	169.00	7.00	O/R	O/R	55.90
MOR1550080	155.00	171.00	8.00	O/R	O/R	89.50
MOR1550095	155.00	174.00	9.50	32.75	37.45	O/R
MOR1550100	155.00	175.00	10.00	32.75	37.45	O/R
MOR1550120	155.00	179.00	12.00	36.05	41.20	O/R
MOR1553030	155.30	161.30	3.00	5.65	6.45	O/R
MOR1555060	155.50	167.50	6.00	O/R	O/R	42.40
MOR1555070	155.50	169.50	7.00	11.90	13.60	65.95
MOR1560020	156.00	160.00	2.00	5.65	6.45	O/R
MOR1560025	156.00	161.00	2.50	5.65	6.45	O/R
MOR1560030	156.00	162.00	3.00	O/R	O/R	17.25
MOR1560035	156.00	163.00	3.50	O/R	O/R	22.30
MOR1560040	156.00	164.00	4.00	6.30	7.20	23.45
MOR1560048	156.00	165.60	4.80	8.65	9.90	O/R
MOR1560050	156.00	166.00	5.00	O/R	O/R	32.40
MOR1560058	156.00	167.60	5.80	O/R	O/R	42.50
MOR1560060	156.00	168.00	6.00	O/R	O/R	42.65
MOR1560065	156.00	169.00	6.50	11.90	13.60	O/R
MOR1560080	156.00	172.00	8.00	19.90	22.75	O/R
MOR1565070	156.50	170.50	7.00	O/R	O/R	56.50
MOR1570015	157.00	160.00	1.50	O/R	O/R	13.25
MOR1570030	157.00	163.00	3.00	O/R	O/R	17.35
MOR1570035	157.00	164.00	3.50	O/R	O/R	22.20
MOR1570040	157.00	165.00	4.00	O/R	O/R	23.55
MOR1570045	157.00	166.00	4.50	O/R	O/R	27.95
MOR1570050	157.00	167.00	5.00	O/R	O/R	32.35
MOR1570058	157.00	168.60	5.80	O/R	O/R	42.75
MOR1570060	157.00	169.00	6.00	O/R	O/R	42.85
MOR1570065	157.00	170.10	6.55	11.90	13.60	O/R
MOR1570070	157.00	171.00	7.00	11.90	13.60	O/R
MOR1575050	157.50	167.50	5.00	O/R	O/R	32.50
MOR1580020	158.00	162.00	2.00	5.65	6.45	O/R
MOR1580030	158.00	164.00	3.00	O/R	O/R	17.45
MOR1580035	158.00	165.00	3.50	6.30	7.20	22.35
MOR1580040	158.00	166.00	4.00	6.30	7.20	23.70
MOR1580043	158.00	166.60	4.30	O/R	O/R	28.10
MOR1580050	158.00	168.00	5.00	8.65	9.90	32.60
MOR1580060	158.00	170.00	6.00	9.85	11.25	43.10
MOR1580070	158.00	172.00	7.00	11.90	13.60	57.05
MOR1580075	158.00	173.00	7.50	19.90	22.75	O/R
MOR1580080	158.00	174.00	8.00	19.90	22.75	73.05
MOR1585030	158.50	164.50	3.00	O/R	O/R	17.60
MOR1590030	159.00	165.00	3.00	5.65	6.45	17.60
MOR1590035	159.00	166.00	3.50	O/R	O/R	22.45
MOR1590040	159.00	167.00	4.00	O/R	O/R	23.70
MOR1590050	159.00	169.00	5.00	O/R	O/R	32.70
MOR1590060	159.00	171.00	6.00	O/R	O/R	43.35
MOR1590070	159.00	173.00	7.00	11.90	13.60	57.40

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1591084	159.10	175.90	8.40	O/R	O/R	82.00
MOR1592057	159.20	170.60	5.70	7.90	9.00	35.30
MOR1592070	159.20	173.20	7.00	11.90	13.60	66.05
MOR1593057	159.30	170.70	5.70	7.90	8.15	35.30
MOR1594031	159.40	165.60	3.10	6.30	9.85	O/R
MOR1595030	159.50	165.50	3.00	4.50	5.15	15.40
MOR1595070	159.50	173.50	7.00	11.90	13.60	O/R
MOR1597030	159.70	165.70	3.00	5.65	6.45	O/R
MOR1600020	160.00	164.00	2.00	5.65	6.45	O/R
MOR1600023	160.00	164.60	2.30	5.65	6.45	O/R
MOR1600025	160.00	165.00	2.50	5.65	6.45	16.85
MOR1600030	160.00	166.00	3.00	4.50	5.15	15.50
MOR1600035	160.00	167.00	3.50	6.30	7.20	22.60
MOR1600035-1	160.00	167.10	3.55	6.30	7.20	22.60
MOR1600040	160.00	168.00	4.00	5.05	5.75	19.80
MOR1600045	160.00	169.00	4.50	O/R	O/R	28.45
MOR1600050	160.00	170.00	5.00	6.15	7.00	28.95
MOR1600053	160.00	170.60	5.30	O/R	O/R	35.65
MOR1600055	160.00	171.00	5.50	O/R	O/R	39.05
MOR1600060	160.00	172.00	6.00	9.85	11.25	43.55
MOR1600070	160.00	174.00	7.00	11.90	13.60	57.50
MOR1600072	160.00	174.40	7.20	O/R	O/R	96.00
MOR1600080	160.00	176.00	8.00	O/R	O/R	73.40
MOR1600090	160.00	178.00	9.00	O/R	O/R	86.90
MOR1600100	160.00	180.00	10.00	O/R	O/R	119.60
MOR1600120	160.00	184.00	12.00	O/R	O/R	136.55
MOR1610024	161.00	165.80	2.40	6.75	7.70	O/R
MOR1610030	161.00	167.00	3.00	O/R	O/R	17.70
MOR1610035	161.00	168.00	3.50	O/R	O/R	22.50
MOR1610040	161.00	169.00	4.00	O/R	O/R	24.05
MOR1610050	161.00	171.00	5.00	O/R	O/R	33.20
MOR1616024	161.60	166.40	2.40	6.75	7.70	O/R
MOR1620025	162.00	167.00	2.50	6.75	7.70	O/R
MOR1620030	162.00	168.00	3.00	6.75	7.70	17.85
MOR1620035	162.00	169.00	3.50	O/R	O/R	22.75
MOR1620040	162.00	170.00	4.00	8.10	9.25	24.10
MOR1620050	162.00	172.00	5.00	O/R	O/R	33.45
MOR1620060	162.00	174.00	6.00	O/R	O/R	43.80
MOR1620070	162.00	176.00	7.00	13.80	15.75	58.15
MOR1620080	162.00	178.00	8.00	21.15	24.15	92.15
MOR1620100	162.00	182.00	10.00	34.40	39.30	O/R
MOR1625040	162.50	170.50	4.00	8.10	9.25	O/R
MOR1630030	163.00	169.00	3.00	O/R	O/R	17.95
MOR1630035	163.00	170.00	3.50	O/R	O/R	22.90
MOR1630040	163.00	171.00	4.00	O/R	O/R	24.20
MOR1630050	163.00	173.00	5.00	O/R	O/R	33.55
MOR1630060	163.00	175.00	6.00	O/R	O/R	44.05
MOR1637086	163.70	180.90	8.60	15.95	18.20	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1640020	164.00	168.00	2.00	6.75	7.70	O/R
MOR1640030	164.00	170.00	3.00	6.75	7.70	18.05
MOR1640035	164.00	171.00	3.50	O/R	O/R	22.90
MOR1640040	164.00	172.00	4.00	8.10	9.25	24.35
MOR1640042	164.00	172.40	4.20	O/R	O/R	29.35
MOR1640050	164.00	174.00	5.00	O/R	O/R	33.80
MOR1640060	164.00	176.00	6.00	O/R	O/R	44.40
MOR1640070	164.00	178.00	7.00	O/R	O/R	58.75
MOR1641082	164.10	180.50	8.20	O/R	O/R	101.90
MOR1641084	164.10	180.90	8.40	26.85	30.70	84.00
MOR1642057	164.20	175.60	5.70	9.30	10.60	36.35
MOR1643057	164.30	175.70	5.70	9.30	8.35	36.35
MOR1644031	164.40	170.60	3.10	8.10	10.15	O/R
MOR1645020	164.50	168.50	2.00	6.75	7.70	O/R
MOR1645030	164.50	170.50	3.00	5.40	6.15	15.85
MOR1650020	165.00	169.00	2.00	6.75	7.70	O/R
MOR1650024	165.00	169.80	2.40	6.75	7.70	16.60
MOR1650030	165.00	171.00	3.00	5.40	6.15	15.90
MOR1650035	165.00	172.00	3.50	8.10	9.25	23.05
MOR1650035-1	165.00	172.10	3.55	8.10	9.25	23.05
MOR1650040	165.00	173.00	4.00	5.75	6.55	22.05
MOR1650045	165.00	174.00	4.50	O/R	O/R	29.30
MOR1650050	165.00	175.00	5.00	6.55	7.50	34.05
MOR1650053	165.00	175.60	5.30	11.60	13.25	36.75
MOR1650055	165.00	176.00	5.50	11.60	13.25	39.90
MOR1650060	165.00	177.00	6.00	11.60	13.25	44.75
MOR1650065	165.00	178.00	6.50	O/R	O/R	52.80
MOR1650070	165.00	179.00	7.00	13.80	15.75	59.20
MOR1650080	165.00	181.00	8.00	O/R	O/R	92.60
MOR1650100	165.00	185.00	10.00	O/R	O/R	125.10
MOR1655040	165.50	173.50	4.00	8.10	9.25	O/R
MOR1660020	166.00	170.00	2.00	6.75	7.70	O/R
MOR1660030	166.00	172.00	3.00	O/R	O/R	18.20
MOR1660035	166.00	173.00	3.50	O/R	O/R	23.20
MOR1660040	166.00	174.00	4.00	8.10	9.25	24.60
MOR1660050	166.00	176.00	5.00	O/R	O/R	34.15
MOR1660060	166.00	178.00	6.00	O/R	O/R	45.00
MOR1670025	167.00	172.00	2.50	6.75	7.70	O/R
MOR1670030	167.00	173.00	3.00	O/R	O/R	18.35
MOR1670035	167.00	174.00	3.50	O/R	O/R	23.30
MOR1670040	167.00	175.00	4.00	O/R	O/R	24.70
MOR1670050	167.00	177.00	5.00	O/R	O/R	34.40
MOR1670060	167.00	179.00	6.00	O/R	O/R	45.45
MOR1670070	167.00	181.00	7.00	13.80	15.75	60.00
MOR1670080	167.00	183.00	8.00	O/R	O/R	92.25
MOR1674033	167.40	174.00	3.30	8.10	9.25	O/R
MOR1680024	168.00	172.80	2.40	O/R	O/R	16.55
MOR1680030	168.00	174.00	3.00	5.40	6.15	18.45

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1680035	168.00	175.00	3.50	O/R	O/R	23.30
MOR1680040	168.00	176.00	4.00	8.10	9.25	24.85
MOR1680045	168.00	177.00	4.50	O/R	O/R	40.25
MOR1680050	168.00	178.00	5.00	9.25	10.55	34.60
MOR1680060	168.00	180.00	6.00	11.60	13.25	O/R
MOR1680070	168.00	182.00	7.00	13.80	15.75	60.35
MOR1680080	168.00	184.00	8.00	O/R	O/R	92.35
MOR1680100	168.00	188.00	10.00	O/R	O/R	103.65
MOR1680127	168.00	193.40	12.70	O/R	O/R	158.20
MOR1683030	168.30	174.30	3.00	6.75	O/R	O/R
MOR1685030	168.50	174.50	3.00	O/R	7.70	O/R
MOR1690024	169.00	173.80	2.40	6.75	7.70	O/R
MOR1690030	169.00	175.00	3.00	6.75	7.70	18.60
MOR1690035	169.00	176.00	3.50	O/R	O/R	23.45
MOR1690040	169.00	177.00	4.00	O/R	O/R	24.95
MOR1690050	169.00	179.00	5.00	O/R	O/R	34.70
MOR1690057	169.00	180.40	5.70	O/R	O/R	42.40
MOR1690060	169.00	181.00	6.00	O/R	O/R	45.80
MOR1691084	169.10	185.90	8.40	26.85	30.70	86.45
MOR1692057	169.20	180.60	5.70	9.30	10.60	37.25
MOR1693057	169.30	180.70	5.70	9.30	8.55	37.25
MOR1695030	169.50	175.50	3.00	5.40	6.15	16.25
MOR1700024	170.00	174.80	2.40	6.75	7.70	O/R
MOR1700025	170.00	175.00	2.50	6.75	7.70	17.85
MOR1700030	170.00	176.00	3.00	5.40	6.15	16.35
MOR1700032	170.00	176.40	3.20	8.10	9.25	O/R
MOR1700035	170.00	177.00	3.50	8.10	9.25	23.55
MOR1700035-1	170.00	177.10	3.55	8.10	9.25	23.55
MOR1700040	170.00	178.00	4.00	5.75	6.55	22.45
MOR1700045	170.00	179.00	4.50	O/R	O/R	30.40
MOR1700050	170.00	180.00	5.00	6.55	7.50	30.50
MOR1700053	170.00	180.60	5.30	O/R	O/R	37.60
MOR1700060	170.00	182.00	6.00	O/R	O/R	46.05
MOR1700075	170.00	185.00	7.50	O/R	O/R	63.75
MOR1700080	170.00	186.00	8.00	20.90	23.90	123.95
MOR1700100	170.00	190.00	10.00	O/R	O/R	126.20
MOR1700150	170.00	200.00	15.00	39.55	45.20	O/R
MOR1703047	170.30	179.70	4.70	O/R	O/R	34.80
MOR1704040	170.40	178.40	4.00	9.75	11.15	O/R
MOR1710030	171.00	177.00	3.00	O/R	O/R	18.70
MOR1710035	171.00	178.00	3.50	9.75	11.15	23.70
MOR1710040	171.00	179.00	4.00	O/R	O/R	25.20
MOR1710050	171.00	181.00	5.00	O/R	O/R	35.05
MOR1710070	171.00	185.00	7.00	17.30	19.80	61.25
MOR1720025	172.00	177.00	2.50	9.50	10.85	O/R
MOR1720030	172.00	178.00	3.00	9.50	10.85	18.80
MOR1720035	172.00	179.00	3.50	O/R	O/R	23.80
MOR1720040	172.00	180.00	4.00	7.80	8.90	25.30

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1720045	172.00	181.00	4.50	11.65	13.30	30.35
MOR1720050	172.00	182.00	5.00	11.65	13.30	35.20
MOR1720060	172.00	184.00	6.00	13.55	15.45	46.25
MOR1720075	172.00	187.00	7.50	23.00	26.30	O/R
MOR1720080	172.00	188.00	8.00	O/R	O/R	126.50
MOR1730020	173.00	177.00	2.00	9.50	10.85	O/R
MOR1730030	173.00	179.00	3.00	O/R	O/R	18.95
MOR1730035	173.00	180.00	3.50	O/R	O/R	23.95
MOR1730040	173.00	181.00	4.00	O/R	O/R	25.30
MOR1730050	173.00	183.00	5.00	11.65	13.30	35.40
MOR1730060	173.00	185.00	6.00	O/R	O/R	46.60
MOR1730070	173.00	187.00	7.00	O/R	O/R	61.80
MOR1735050	173.50	183.50	5.00	O/R	O/R	35.55
MOR1740030	174.00	180.00	3.00	9.50	10.85	19.05
MOR1740032	174.00	180.40	3.20	9.75	11.15	O/R
MOR1740035	174.00	181.00	3.50	9.75	11.15	24.05
MOR1740040	174.00	182.00	4.00	O/R	O/R	25.45
MOR1740050	174.00	184.00	5.00	O/R	O/R	35.65
MOR1740060	174.00	186.00	6.00	O/R	O/R	46.85
MOR1740070	174.00	188.00	7.00	O/R	O/R	61.60
MOR1741084	174.10	190.90	8.40	29.25	33.45	88.40
MOR1742057	174.20	185.60	5.70	10.85	12.35	38.30
MOR1743057	174.30	185.70	5.70	10.85	8.80	38.30
MOR1745030	174.50	180.50	3.00	6.75	7.70	16.75
MOR1750024	175.00	179.80	2.40	9.50	10.85	O/R
MOR1750027	175.00	180.40	2.70	9.50	10.85	O/R
MOR1750030	175.00	181.00	3.00	6.75	7.70	16.75
MOR1750035	175.00	182.00	3.50	O/R	O/R	24.10
MOR1750035-1	175.00	182.10	3.55	O/R	O/R	24.10
MOR1750040	175.00	183.00	4.00	9.75	11.15	22.90
MOR1750050	175.00	185.00	5.00	9.35	10.65	31.30
MOR1750053	175.00	185.60	5.30	O/R	O/R	38.65
MOR1750060	175.00	187.00	6.00	13.55	15.45	47.05
MOR1750070	175.00	189.00	7.00	O/R	O/R	62.30
MOR1750095	175.00	194.00	9.50	35.50	40.55	O/R
MOR1750100	175.00	195.00	10.00	35.50	40.55	O/R
MOR1760027	176.00	181.40	2.70	9.50	10.85	O/R
MOR1760030	176.00	182.00	3.00	9.50	10.85	19.30
MOR1760035	176.00	183.00	3.50	O/R	O/R	24.20
MOR1760040	176.00	184.00	4.00	O/R	O/R	25.55
MOR1760045	176.00	185.00	4.50	O/R	O/R	41.70
MOR1760048	176.00	185.60	4.80	O/R	O/R	36.00
MOR1760050	176.00	186.00	5.00	11.65	13.30	36.00
MOR1760060	176.00	188.00	6.00	O/R	O/R	47.30
MOR1768035	176.80	183.80	3.50	O/R	O/R	24.35
MOR1770015	177.00	180.00	1.50	9.50	10.85	O/R
MOR1770030	177.00	183.00	3.00	9.50	10.85	19.30
MOR1770035	177.00	184.00	3.50	9.75	11.15	24.35

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1770040	177.00	185.00	4.00	9.75	11.15	25.70
MOR1770050	177.00	187.00	5.00	O/R	O/R	36.25
MOR1770070	177.00	191.00	7.00	17.30	19.80	62.85
MOR1779080	177.90	193.90	8.00	O/R	O/R	127.05
MOR1780025	178.00	183.00	2.50	9.75	O/R	O/R
MOR1780030	178.00	184.00	3.00	O/R	O/R	19.45
MOR1780035	178.00	185.00	3.50	O/R	11.15	24.45
MOR1780040	178.00	186.00	4.00	O/R	O/R	25.95
MOR1780045	178.00	187.00	4.50	O/R	O/R	31.30
MOR1780050	178.00	188.00	5.00	O/R	O/R	36.50
MOR1780060	178.00	190.00	6.00	O/R	O/R	47.65
MOR1780065	178.00	191.00	6.50	O/R	O/R	57.40
MOR1780070	178.00	192.00	7.00	O/R	O/R	72.15
MOR1780080	178.00	194.00	8.00	O/R	O/R	127.25
MOR1780085	178.00	195.00	8.50	O/R	O/R	103.45
MOR1780086	178.00	195.20	8.60	O/R	O/R	110.75
MOR1780090	178.00	196.00	9.00	O/R	O/R	111.15
MOR1780095	178.00	197.00	9.50	O/R	O/R	O/R
MOR1780100	178.00	198.00	10.00	35.50	40.55	170.65
MOR1790030	179.00	185.00	3.00	9.50	10.85	19.55
MOR1790035	179.00	186.00	3.50	O/R	O/R	24.60
MOR1790040	179.00	187.00	4.00	O/R	O/R	26.05
MOR1790045	179.00	188.00	4.50	O/R	O/R	31.45
MOR1790050	179.00	189.00	5.00	O/R	O/R	36.60
MOR1790060	179.00	191.00	6.00	O/R	O/R	48.00
MOR1790100	179.00	199.00	10.00	O/R	O/R	130.70
MOR1791084	179.10	195.90	8.40	29.25	33.45	90.85
MOR1792057	179.20	190.60	5.70	10.85	12.35	39.35
MOR1793057	179.30	190.70	5.70	10.85	9.20	39.35
MOR1794031	179.40	185.60	3.10	9.75	10.45	O/R
MOR1795030	179.50	185.50	3.00	6.75	7.70	17.15
MOR1795045	179.50	188.50	4.50	O/R	O/R	31.65
MOR1795050	179.50	189.50	5.00	11.65	13.30	O/R
MOR1800015	180.00	183.00	1.50	8.20	9.35	O/R
MOR1800020	180.00	184.00	2.00	9.50	10.85	O/R
MOR1800030	180.00	186.00	3.00	6.75	7.70	17.25
MOR1800035	180.00	187.00	3.50	9.75	11.15	24.60
MOR1800035-1	180.00	187.10	3.55	O/R	O/R	24.70
MOR1800040	180.00	188.00	4.00	7.80	8.90	23.30
MOR1800043	180.00	188.60	4.30	11.65	13.30	O/R
MOR1800045	180.00	189.00	4.50	O/R	O/R	31.80
MOR1800050	180.00	190.00	5.00	9.35	10.65	32.25
MOR1800053	180.00	190.60	5.30	O/R	O/R	39.55
MOR1800054	180.00	190.80	5.40	12.25	14.00	O/R
MOR1800055	180.00	191.00	5.50	O/R	O/R	43.45
MOR1800060	180.00	192.00	6.00	13.55	15.45	48.15
MOR1800080	180.00	196.00	8.00	23.00	26.30	77.60
MOR1800100	180.00	200.00	10.00	O/R	O/R	131.55

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1800102	180.00	200.40	10.20	37.30	42.65	O/R
MOR1800120	180.00	204.00	12.00	39.05	44.65	O/R
MOR1810020	181.00	185.00	2.00	9.50	10.85	17.15
MOR1810030	181.00	187.00	3.00	O/R	O/R	19.80
MOR1810035	181.00	188.00	3.50	O/R	O/R	24.70
MOR1810040	181.00	189.00	4.00	11.25	12.85	26.40
MOR1810050	181.00	191.00	5.00	O/R	O/R	36.95
MOR1820020	182.00	186.00	2.00	10.15	11.60	O/R
MOR1820030	182.00	188.00	3.00	10.15	11.60	19.90
MOR1820035	182.00	189.00	3.50	O/R	O/R	24.95
MOR1820040	182.00	190.00	4.00	11.25	12.85	23.55
MOR1820050	182.00	192.00	5.00	12.70	14.50	37.00
MOR1820057	182.00	193.40	5.70	O/R	O/R	57.50
MOR1820060	182.00	194.00	6.00	O/R	O/R	48.80
MOR1820070	182.00	196.00	7.00	21.75	24.90	O/R
MOR1820080	182.00	198.00	8.00	O/R	O/R	172.20
MOR1823070	182.30	196.30	7.00	21.75	24.90	O/R
MOR1825040	182.50	190.50	4.00	11.25	12.85	O/R
MOR1825080	182.50	198.50	8.00	O/R	O/R	79.25
MOR1830030	183.00	189.00	3.00	O/R	O/R	19.90
MOR1830035	183.00	190.00	3.50	O/R	O/R	24.95
MOR1830040	183.00	191.00	4.00	11.25	12.85	26.80
MOR1830070	183.00	197.00	7.00	O/R	O/R	65.25
MOR1830080	183.00	199.00	8.00	O/R	O/R	172.20
MOR1830100	183.00	203.00	10.00	O/R	O/R	136.20
MOR1835030	183.50	189.50	3.00	O/R	O/R	21.90
MOR1835080	183.50	199.50	8.00	O/R	O/R	79.10
MOR1840030	184.00	190.00	3.00	10.15	11.60	20.00
MOR1840035	184.00	191.00	3.50	11.25	12.85	25.05
MOR1840040	184.00	192.00	4.00	O/R	O/R	26.90
MOR1840043	184.00	192.60	4.30	O/R	O/R	32.40
MOR1840050	184.00	194.00	5.00	O/R	O/R	37.35
MOR1840057	184.00	195.40	5.70	O/R	O/R	45.90
MOR1840060	184.00	196.00	6.00	O/R	O/R	49.15
MOR1840063	184.00	196.60	6.30	O/R	O/R	58.40
MOR1840070	184.00	198.00	7.00	O/R	O/R	65.50
MOR1840080	184.00	200.00	8.00	O/R	O/R	96.65
MOR1841084	184.10	200.90	8.40	O/R	O/R	92.80
MOR1841063	184.15	196.85	6.35	O/R	O/R	58.75
MOR1842057	184.20	195.60	5.70	12.35	14.10	40.25
MOR1843057	184.30	195.70	5.70	12.35	9.40	40.25
MOR1845030	184.50	190.50	3.00	8.10	9.25	17.60
MOR1850020	185.00	189.00	2.00	10.15	11.60	O/R
MOR1850030	185.00	191.00	3.00	8.10	9.25	17.60
MOR1850032	185.00	191.40	3.20	9.75	11.15	O/R
MOR1850032-1	185.00	191.50	3.25	11.25	12.85	O/R
MOR1850035	185.00	192.00	3.50	11.25	12.85	25.20
MOR1850035-1	185.00	192.10	3.55	O/R	O/R	25.20

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1850040	185.00	193.00	4.00	11.25	12.85	27.00
MOR1850045	185.00	194.00	4.50	O/R	O/R	32.50
MOR1850050	185.00	195.00	5.00	12.70	14.50	37.60
MOR1850053	185.00	195.60	5.30	O/R	O/R	40.60
MOR1850055	185.00	196.00	5.50	O/R	O/R	44.50
MOR1850060	185.00	197.00	6.00	15.45	17.65	49.40
MOR1850070	185.00	199.00	7.00	O/R	O/R	64.80
MOR1850080	185.00	201.00	8.00	O/R	O/R	79.55
MOR1850100	185.00	205.00	10.00	O/R	O/R	135.50
MOR1853035	185.34	192.34	3.50	11.25	12.85	O/R
MOR1860030	186.00	192.00	3.00	O/R	O/R	21.90
MOR1860035	186.00	193.00	3.50	O/R	O/R	25.30
MOR1860040	186.00	194.00	4.00	11.25	12.85	27.15
MOR1860045	186.00	195.00	4.50	12.70	14.50	32.60
MOR1860050	186.00	196.00	5.00	O/R	O/R	37.85
MOR1860060	186.00	198.00	6.00	15.45	17.65	63.10
MOR1860070	186.00	200.00	7.00	21.75	24.90	65.95
MOR1865085	186.50	203.50	8.50	O/R	32.60	O/R
MOR1870030	187.00	193.00	3.00	O/R	O/R	22.05
MOR1870035	187.00	194.00	3.50	11.25	12.85	25.30
MOR1870040	187.00	195.00	4.00	11.25	12.85	27.35
MOR1870050	187.00	197.00	5.00	O/R	O/R	37.95
MOR1870070	187.00	201.00	7.00	21.75	24.90	66.15
MOR1875015	187.50	190.50	1.50	O/R	O/R	O/R
MOR1875040	187.50	195.50	4.00	11.25	12.85	O/R
MOR1880020	188.00	192.00	2.00	10.15	11.60	O/R
MOR1880030	188.00	194.00	3.00	10.15	11.60	22.15
MOR1880035	188.00	195.00	3.50	O/R	O/R	25.45
MOR1880040	188.00	196.00	4.00	11.25	12.85	27.50
MOR1880050	188.00	198.00	5.00	O/R	O/R	38.20
MOR1880060	188.00	200.00	6.00	O/R	O/R	50.20
MOR1890030	189.00	195.00	3.00	10.15	11.60	22.30
MOR1890035	189.00	196.00	3.50	O/R	O/R	25.55
MOR1890040	189.00	197.00	4.00	O/R	O/R	27.60
MOR1890045	189.00	198.00	4.50	O/R	O/R	32.85
MOR1890050	189.00	199.00	5.00	O/R	O/R	38.40
MOR1890080	189.00	205.00	8.00	O/R	O/R	96.65
MOR1890110	189.00	211.00	11.00	39.05	44.60	O/R
MOR1891084	189.10	205.90	8.40	O/R	O/R	95.20
MOR1892057	189.20	200.60	5.70	12.35	14.10	41.30
MOR1893057	189.30	200.70	5.70	12.35	9.80	41.30
MOR1895030	189.50	195.50	3.00	8.10	9.25	18.05
MOR1895045	189.50	198.50	4.50	O/R	O/R	33.20
MOR1900026	190.00	195.20	2.60	10.15	11.60	O/R
MOR1900030	190.00	196.00	3.00	8.10	9.25	18.20
MOR1900032	190.00	196.40	3.20	11.25	12.85	O/R
MOR1900035	190.00	197.00	3.50	11.25	12.85	25.70
MOR1900035-1	190.00	197.10	3.55	11.25	12.85	25.70

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1900040	190.00	198.00	4.00	9.00	10.30	27.75
MOR1900045	190.00	199.00	4.50	O/R	O/R	33.45
MOR1900050	190.00	200.00	5.00	10.15	11.60	33.80
MOR1900053	190.00	200.60	5.30	15.45	17.65	41.65
MOR1900055	190.00	201.00	5.50	15.45	17.65	O/R
MOR1900057	190.00	201.40	5.70	O/R	O/R	46.85
MOR1900060	190.00	202.00	6.00	15.45	17.65	50.80
MOR1900063	190.00	202.60	6.30	21.75	24.90	60.35
MOR1900070	190.00	204.00	7.00	21.75	24.90	67.20
MOR1900080	190.00	206.00	8.00	25.15	28.75	79.90
MOR1900100	190.00	210.00	10.00	37.20	42.50	137.05
MOR1910030	191.00	197.00	3.00	O/R	O/R	22.35
MOR1910035	191.00	198.00	3.50	11.90	13.60	25.80
MOR1910040	191.00	199.00	4.00	O/R	O/R	27.75
MOR1910050	191.00	201.00	5.00	O/R	O/R	38.80
MOR1910060	191.00	203.00	6.00	O/R	O/R	51.00
MOR1910080	191.00	207.00	8.00	O/R	O/R	98.00
MOR1912060	191.20	203.20	6.00	O/R	O/R	51.10
MOR1920020	192.00	196.00	2.00	11.25	12.85	O/R
MOR1920025	192.00	197.00	2.50	O/R	O/R	19.90
MOR1920030	192.00	198.00	3.00	9.00	10.30	22.45
MOR1920035	192.00	199.00	3.50	O/R	O/R	25.95
MOR1920040	192.00	200.00	4.00	9.50	10.85	24.60
MOR1920045	192.00	201.00	4.50	O/R	O/R	33.65
MOR1920050	192.00	202.00	5.00	O/R	O/R	39.05
MOR1920070	192.00	206.00	7.00	O/R	O/R	78.60
MOR1920080	192.00	208.00	8.00	O/R	O/R	130.75
MOR1930020	193.00	197.00	2.00	O/R	O/R	17.95
MOR1930030	193.00	199.00	3.00	O/R	O/R	22.60
MOR1930035	193.00	200.00	3.50	O/R	O/R	26.05
MOR1930040	193.00	201.00	4.00	11.90	13.60	28.05
MOR1930050	193.00	203.00	5.00	O/R	O/R	39.15
MOR1930060	193.00	205.00	6.00	16.40	18.75	51.45
MOR1935030	193.50	199.50	3.00	O/R	O/R	22.45
MOR1935040	193.50	201.50	4.00	11.90	13.60	O/R
MOR1935050	193.50	203.50	5.00	13.35	15.25	39.25
MOR1940020	194.00	198.00	2.00	11.25	12.85	17.95
MOR1940022	194.00	198.40	2.20	9.00	10.25	O/R
MOR1940030	194.00	200.00	3.00	11.25	12.85	22.50
MOR1940035	194.00	201.00	3.50	O/R	O/R	26.30
MOR1940040	194.00	202.00	4.00	11.90	13.60	28.20
MOR1940050	194.00	204.00	5.00	13.35	15.25	39.35
MOR1940061	194.00	206.20	6.10	O/R	O/R	71.25
MOR1940070	194.00	208.00	7.00	24.65	28.20	68.45
MOR1941064	194.10	206.90	6.40	O/R	O/R	71.25
MOR1941084	194.10	210.90	8.40	35.05	40.05	97.10
MOR1942057	194.20	205.60	5.70	13.15	15.00	42.15
MOR1943057	194.30	205.70	5.70	13.15	10.00	42.15

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR1945020	194.50	198.50	2.00	11.25	12.85	O/R
MOR1945030	194.50	200.50	3.00	9.00	10.30	18.45
MOR1950025	195.00	200.00	2.50	O/R	O/R	20.15
MOR1950030	195.00	201.00	3.00	9.00	10.30	18.60
MOR1950035	195.00	202.00	3.50	11.90	13.60	26.40
MOR1950035-1	195.00	202.10	3.55	O/R	O/R	26.40
MOR1950040	195.00	203.00	4.00	11.90	13.60	24.95
MOR1950043	195.00	203.60	4.30	O/R	O/R	34.60
MOR1950050	195.00	205.00	5.00	13.35	15.25	39.45
MOR1950053	195.00	205.60	5.30	O/R	O/R	42.50
MOR1950055	195.00	206.00	5.50	O/R	O/R	46.40
MOR1950060	195.00	207.00	6.00	16.40	18.75	52.05
MOR1950080	195.00	211.00	8.00	O/R	O/R	98.40
MOR1950090	195.00	213.00	9.00	35.05	40.05	O/R
MOR1950100	195.00	215.00	10.00	O/R	O/R	141.15
MOR1955050	195.50	205.50	5.00	10.70	12.20	O/R
MOR1960030	196.00	202.00	3.00	11.25	12.85	22.65
MOR1960035	196.00	203.00	3.50	11.90	13.60	26.50
MOR1960040	196.00	204.00	4.00	11.90	13.60	28.45
MOR1960045	196.00	205.00	4.50	O/R	O/R	34.60
MOR1960050	196.00	206.00	5.00	13.35	15.25	39.65
MOR1960060	196.00	208.00	6.00	O/R	O/R	52.25
MOR1960070	196.00	210.00	7.00	24.65	28.20	69.25
MOR1970030	197.00	203.00	3.00	11.25	12.85	22.75
MOR1970035	197.00	204.00	3.50	11.90	13.60	26.65
MOR1970040	197.00	205.00	4.00	O/R	O/R	28.55
MOR1970045	197.00	206.00	4.50	O/R	O/R	46.85
MOR1970050	197.00	207.00	5.00	O/R	O/R	39.80
MOR1980030	198.00	204.00	3.00	O/R	O/R	22.90
MOR1980035	198.00	205.00	3.50	O/R	O/R	26.80
MOR1980038	198.00	205.60	3.80	O/R	O/R	28.80
MOR1980040	198.00	206.00	4.00	11.90	13.60	28.80
MOR1980050	198.00	208.00	5.00	O/R	O/R	40.00
MOR1980060	198.00	210.00	6.00	16.40	18.75	52.85
MOR1980080	198.00	214.00	8.00	O/R	O/R	98.95
MOR1980100	198.00	218.00	10.00	38.65	44.20	141.15
MOR1990030	199.00	205.00	3.00	11.25	12.85	22.90
MOR1990035	199.00	206.00	3.50	O/R	O/R	26.90
MOR1990040	199.00	207.00	4.00	O/R	O/R	28.95
MOR1990050	199.00	209.00	5.00	O/R	O/R	40.25
MOR1991084	199.10	215.90	8.40	28.05	32.05	99.50
MOR1992057	199.20	210.60	5.70	13.15	15.00	43.20
MOR1993030	199.30	205.30	3.00	11.25	12.85	23.05
MOR1993057	199.30	210.70	5.70	13.15	12.95	43.20
MOR1994031	199.40	205.60	3.10	11.90	12.05	O/R
MOR1995030	199.50	205.50	3.00	9.00	10.30	18.95
MOR2000020	200.00	204.00	2.00	11.25	12.85	17.95
MOR2000025	200.00	205.00	2.50	11.25	12.85	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2000030	200.00	206.00	3.00	9.00	10.30	18.95
MOR2000035	200.00	207.00	3.50	11.90	13.60	27.00
MOR2000035-1	200.00	207.10	3.55	O/R	O/R	27.00
MOR2000040	200.00	208.00	4.00	9.50	10.85	25.30
MOR2000043	200.00	208.60	4.30	O/R	O/R	35.65
MOR2000045	200.00	209.00	4.50	O/R	O/R	35.40
MOR2000050	200.00	210.00	5.00	10.70	12.20	35.30
MOR2000053	200.00	210.60	5.30	O/R	O/R	43.55
MOR2000055	200.00	211.00	5.50	O/R	O/R	47.20
MOR2000056	200.00	211.20	5.60	O/R	O/R	60.80
MOR2000060	200.00	212.00	6.00	16.40	18.75	53.05
MOR2000065	200.00	213.00	6.50	24.65	28.20	O/R
MOR2000070	200.00	214.00	7.00	24.65	28.20	70.60
MOR2000080	200.00	216.00	8.00	16.85	19.25	80.20
MOR2000100	200.00	220.00	10.00	38.65	44.20	141.65
MOR2000110	200.00	222.00	11.00	40.60	46.35	O/R
MOR2000150	200.00	230.00	15.00	44.45	50.80	O/R
MOR2005084	200.50	217.30	8.40	O/R	O/R	112.60
MOR2010030	201.00	207.00	3.00	O/R	O/R	23.20
MOR2010035	201.00	208.00	3.50	O/R	O/R	27.15
MOR2010040	201.00	209.00	4.00	O/R	O/R	29.15
MOR2010050	201.00	211.00	5.00	O/R	O/R	40.60
MOR2010060	201.00	213.00	6.00	O/R	O/R	53.25
MOR2010090	201.00	219.00	9.00	O/R	O/R	163.90
MOR2010100	201.00	221.00	10.00	O/R	O/R	146.80
MOR2010120	201.00	225.00	12.00	O/R	O/R	O/R
MOR2020030	202.00	208.00	3.00	O/R	O/R	23.30
MOR2020035	202.00	209.00	3.50	O/R	O/R	27.25
MOR2020040	202.00	210.00	4.00	12.75	14.55	29.30
MOR2020050	202.00	212.00	5.00	O/R	O/R	40.85
MOR2020055	202.00	213.00	5.50	O/R	O/R	58.75
MOR2020060	202.00	214.00	6.00	O/R	O/R	53.50
MOR2020070	202.00	216.00	7.00	O/R	O/R	69.70
MOR2020127	202.00	227.40	12.70	O/R	O/R	O/R
MOR2028036	202.80	210.00	3.60	12.75	14.55	O/R
MOR2030030	203.00	209.00	3.00	11.90	13.60	23.30
MOR2030035	203.00	210.00	3.50	12.75	14.55	27.35
MOR2030040	203.00	211.00	4.00	12.75	14.55	29.55
MOR2030050	203.00	213.00	5.00	O/R	O/R	40.95
MOR2030060	203.00	215.00	6.00	O/R	O/R	53.75
MOR2030063	203.00	215.60	6.30	O/R	O/R	53.85
MOR2030063-1	203.00	215.70	6.35	O/R	O/R	72.25
MOR2030070	203.00	217.00	7.00	23.45	26.80	71.25
MOR2032040	203.20	211.20	4.00	12.75	O/R	O/R
MOR2035040	203.50	211.50	4.00	O/R	14.55	O/R
MOR2035060	203.50	215.50	6.00	O/R	O/R	53.95
MOR2040025	204.00	209.00	2.50	11.90	13.60	O/R
MOR2040030	204.00	210.00	3.00	O/R	O/R	23.45

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2040035	204.00	211.00	3.50	O/R	O/R	27.60
MOR2040040	204.00	212.00	4.00	12.75	14.55	29.65
MOR2040045	204.00	213.00	4.50	O/R	O/R	48.60
MOR2040050	204.00	214.00	5.00	O/R	O/R	41.20
MOR2040055	204.00	215.00	5.50	O/R	O/R	48.25
MOR2040060	204.00	216.00	6.00	O/R	O/R	54.05
MOR2040100	204.00	224.00	10.00	36.85	42.10	O/R
MOR2040150	204.00	234.00	15.00	O/R	O/R	O/R
MOR2041084	204.10	220.90	8.40	O/R	O/R	101.40
MOR2042057	204.20	215.60	5.70	13.00	14.85	44.05
MOR2045030	204.50	210.50	3.00	9.55	10.90	23.45
MOR2050015	205.00	208.00	1.50	11.90	13.60	O/R
MOR2050020	205.00	209.00	2.00	11.90	13.60	18.45
MOR2050030	205.00	211.00	3.00	11.90	13.60	23.55
MOR2050035	205.00	212.00	3.50	O/R	O/R	27.75
MOR2050040	205.00	213.00	4.00	12.75	14.55	29.80
MOR2050050	205.00	215.00	5.00	10.95	12.50	41.40
MOR2050060	205.00	217.00	6.00	16.25	18.55	54.30
MOR2050070	205.00	219.00	7.00	O/R	O/R	81.65
MOR2050073	205.00	219.60	7.30	O/R	O/R	89.30
MOR2050080	205.00	221.00	8.00	28.70	32.80	101.80
MOR2050110	205.00	227.00	11.00	38.70	44.20	O/R
MOR2050150	205.00	235.00	15.00	O/R	O/R	O/R
MOR2053060	205.30	217.30	6.00	O/R	O/R	54.55
MOR2060030	206.00	212.00	3.00	O/R	O/R	23.55
MOR2060035	206.00	213.00	3.50	O/R	O/R	27.75
MOR2060040	206.00	214.00	4.00	O/R	O/R	29.90
MOR2060050	206.00	216.00	5.00	O/R	O/R	41.55
MOR2060060	206.00	218.00	6.00	16.25	18.55	54.75
MOR2060070	206.00	220.00	7.00	23.45	26.80	72.15
MOR2060080	206.00	222.00	8.00	O/R	O/R	135.50
MOR2065080	206.50	222.50	8.00	O/R	O/R	135.80
MOR2070030	207.00	213.00	3.00	O/R	O/R	23.70
MOR2070035	207.00	214.00	3.50	O/R	O/R	27.85
MOR2070040	207.00	215.00	4.00	O/R	O/R	30.00
MOR2070050	207.00	217.00	5.00	O/R	O/R	41.55
MOR2070070	207.00	221.00	7.00	O/R	O/R	72.45
MOR2070084	207.00	223.80	8.40	32.75	37.40	O/R
MOR2080030	208.00	214.00	3.00	O/R	O/R	23.70
MOR2080040	208.00	216.00	4.00	12.75	14.55	30.15
MOR2080045	208.00	217.00	4.50	13.65	15.60	36.10
MOR2080050	208.00	218.00	5.00	13.70	15.60	41.80
MOR2080060	208.00	220.00	6.00	16.25	18.55	55.10
MOR2080066	208.00	221.30	6.65	O/R	O/R	73.70
MOR2080075	208.00	223.00	7.50	O/R	O/R	75.15
MOR2080080	208.00	224.00	8.00	O/R	O/R	136.55
MOR2080085	208.00	225.00	8.50	O/R	O/R	112.70
MOR2090030	209.00	215.00	3.00	O/R	O/R	23.80

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2090035	209.00	216.00	3.50	12.75	14.55	28.10
MOR2090040	209.00	217.00	4.00	O/R	O/R	30.25
MOR2090050	209.00	219.00	5.00	O/R	O/R	42.15
MOR2090070	209.00	223.00	7.00	23.45	26.80	73.25
MOR2091084	209.10	225.90	8.40	32.75	37.40	103.75
MOR2092057	209.20	220.60	5.70	13.00	14.85	45.00
MOR2093057	209.30	220.70	5.70	13.00	14.25	45.00
MOR2095030	209.50	215.50	3.00	9.55	10.90	19.80
MOR2100015	210.00	213.00	1.50	11.90	13.60	O/R
MOR2100020	210.00	214.00	2.00	O/R	17.45	O/R
MOR2100025	210.00	215.00	2.50	O/R	O/R	18.70
MOR2100030	210.00	216.00	3.00	9.55	10.90	19.90
MOR2100035	210.00	217.00	3.50	12.75	14.55	28.20
MOR2100040	210.00	218.00	4.00	10.20	11.65	26.50
MOR2100045	210.00	219.00	4.50	O/R	O/R	36.25
MOR2100050	210.00	220.00	5.00	10.95	12.50	37.05
MOR2100055	210.00	221.00	5.50	16.25	18.55	O/R
MOR2100058	210.00	221.60	5.80	O/R	O/R	55.55
MOR2100060	210.00	222.00	6.00	16.25	18.55	55.55
MOR2100064	210.00	222.80	6.40	23.45	26.80	O/R
MOR2100070	210.00	224.00	7.00	23.45	26.80	73.50
MOR2100080	210.00	226.00	8.00	28.70	32.80	83.55
MOR2100095	210.00	229.00	9.50	36.85	42.10	O/R
MOR2100100	210.00	230.00	10.00	36.85	42.15	121.95
MOR2110030	211.00	217.00	3.00	O/R	O/R	24.05
MOR2110035	211.00	218.00	3.50	O/R	O/R	28.35
MOR2110040	211.00	219.00	4.00	O/R	O/R	30.50
MOR2110050	211.00	221.00	5.00	O/R	O/R	42.25
MOR2110120	211.00	235.00	12.00	O/R	O/R	O/R
MOR2120030	212.00	218.00	3.00	12.90	14.75	24.10
MOR2120035	212.00	219.00	3.50	O/R	O/R	28.45
MOR2120040	212.00	220.00	4.00	14.55	16.65	30.70
MOR2120050	212.00	222.00	5.00	14.75	16.90	42.50
MOR2120060	212.00	224.00	6.00	17.20	19.65	56.15
MOR2120070	212.00	226.00	7.00	24.35	27.80	74.30
MOR2120080	212.00	228.00	8.00	O/R	O/R	85.90
MOR2124073	212.40	227.00	7.30	30.85	35.25	O/R
MOR2130030	213.00	219.00	3.00	O/R	O/R	24.20
MOR2130035	213.00	220.00	3.50	O/R	O/R	28.55
MOR2130040	213.00	221.00	4.00	O/R	O/R	30.85
MOR2130050	213.00	223.00	5.00	O/R	O/R	42.75
MOR2130054	213.00	223.80	5.40	14.20	16.20	O/R
MOR2140020	214.00	218.00	2.00	12.90	14.75	O/R
MOR2140030	214.00	220.00	3.00	12.90	14.75	24.35
MOR2140035	214.00	221.00	3.50	O/R	O/R	28.80
MOR2140040	214.00	222.00	4.00	14.55	16.65	30.95
MOR2140045	214.00	223.00	4.50	O/R	O/R	37.00
MOR2140050	214.00	224.00	5.00	11.80	13.50	42.95

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2140080	214.00	230.00	8.00	30.85	35.25	O/R
MOR2140084	214.00	230.80	8.40	O/R	O/R	117.15
MOR2141084	214.10	230.90	8.40	34.40	39.30	O/R
MOR2145030	214.50	220.50	3.00	12.90	14.75	O/R
MOR2150030	215.00	221.00	3.00	10.30	11.80	24.45
MOR2150035	215.00	222.00	3.50	14.55	16.65	28.95
MOR2150040	215.00	223.00	4.00	14.55	16.65	31.10
MOR2150045	215.00	224.00	4.50	O/R	O/R	37.25
MOR2150050	215.00	225.00	5.00	14.75	16.90	43.10
MOR2150057	215.00	226.40	5.70	17.20	19.65	O/R
MOR2150058	215.00	226.60	5.80	O/R	O/R	56.85
MOR2150060	215.00	227.00	6.00	17.20	19.65	56.95
MOR2150064	215.00	227.80	6.40	24.35	27.80	O/R
MOR2150070	215.00	229.00	7.00	24.35	27.80	75.00
MOR2150080	215.00	231.00	8.00	30.85	35.25	104.75
MOR2150100	215.00	235.00	10.00	O/R	O/R	153.40
MOR2156019	215.65	219.45	1.90	12.90	14.75	O/R
MOR2160020	216.00	220.00	2.00	12.90	14.75	O/R
MOR2160030	216.00	222.00	3.00	12.90	14.75	24.60
MOR2160035	216.00	223.00	3.50	14.55	16.65	29.05
MOR2160040	216.00	224.00	4.00	14.55	16.65	31.20
MOR2160050	216.00	226.00	5.00	O/R	O/R	43.35
MOR2160060	216.00	228.00	6.00	O/R	O/R	57.15
MOR2160080	216.00	232.00	8.00	O/R	O/R	139.70
MOR2170030	217.00	223.00	3.00	12.90	14.75	24.60
MOR2170035	217.00	224.00	3.50	O/R	O/R	29.15
MOR2170040	217.00	225.00	4.00	O/R	O/R	31.30
MOR2170050	217.00	227.00	5.00	14.75	16.90	43.55
MOR2170060	217.00	229.00	6.00	O/R	O/R	57.40
MOR2170080	217.00	233.00	8.00	30.85	35.25	104.75
MOR2175040	217.50	225.50	4.00	O/R	O/R	31.55
MOR2180022	218.00	222.40	2.20	12.90	14.75	O/R
MOR2180030	218.00	224.00	3.00	O/R	O/R	24.70
MOR2180035	218.00	225.00	3.50	14.55	16.65	29.30
MOR2180040	218.00	226.00	4.00	O/R	O/R	31.45
MOR2180045	218.00	227.00	4.50	14.75	16.90	37.75
MOR2180050	218.00	228.00	5.00	O/R	O/R	43.65
MOR2180053	218.00	228.60	5.30	O/R	O/R	47.80
MOR2180058	218.00	229.60	5.80	O/R	O/R	57.35
MOR2180060	218.00	230.00	6.00	17.20	19.65	57.35
MOR2180070	218.00	232.00	7.00	O/R	O/R	75.90
MOR2180072	218.00	232.40	7.20	O/R	O/R	118.30
MOR2185045	218.50	227.50	4.50	14.75	16.90	37.85
MOR2187020	218.70	222.70	2.00	12.90	14.75	O/R
MOR2190030	219.00	225.00	3.00	O/R	O/R	24.70
MOR2190035	219.00	226.00	3.50	O/R	O/R	29.40
MOR2190040	219.00	227.00	4.00	14.55	16.65	31.55
MOR2190045	219.00	228.00	4.50	O/R	16.90	38.30

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2190050	219.00	229.00	5.00	O/R	O/R	43.90
MOR2190100	219.00	239.00	10.00	37.95	43.40	O/R
MOR2191084	219.10	235.90	8.40	O/R	O/R	O/R
MOR2192057	219.20	230.60	5.70	13.75	15.70	46.05
MOR2193057	219.30	230.70	5.70	13.75	15.55	46.05
MOR2195030	219.50	225.50	3.00	10.30	11.80	22.30
MOR2200020	220.00	224.00	2.00	12.90	14.75	O/R
MOR2200030	220.00	226.00	3.00	10.30	11.80	22.20
MOR2200035	220.00	227.00	3.50	O/R	O/R	29.55
MOR2200040	220.00	228.00	4.00	11.65	13.30	31.80
MOR2200043	220.00	228.60	4.30	O/R	O/R	38.30
MOR2200050	220.00	230.00	5.00	11.80	13.50	38.65
MOR2200060	220.00	232.00	6.00	17.20	19.65	57.95
MOR2200065	220.00	233.00	6.50	24.35	27.80	O/R
MOR2200070	220.00	234.00	7.00	O/R	O/R	76.70
MOR2200080	220.00	236.00	8.00	30.85	35.25	86.65
MOR2200100	220.00	240.00	10.00	37.95	43.40	O/R
MOR2210030	221.00	227.00	3.00	O/R	O/R	24.95
MOR2210035	221.00	228.00	3.50	O/R	O/R	29.65
MOR2210040	221.00	229.00	4.00	O/R	O/R	31.90
MOR2210050	221.00	231.00	5.00	O/R	O/R	44.20
MOR2210060	221.00	233.00	6.00	O/R	O/R	58.15
MOR2210070	221.00	235.00	7.00	O/R	O/R	77.05
MOR2215057	221.50	232.90	5.70	19.50	22.30	53.95
MOR2220025	222.00	227.00	2.50	14.40	16.45	O/R
MOR2220030	222.00	228.00	3.00	O/R	O/R	24.95
MOR2220032	222.00	228.40	3.20	14.70	16.75	O/R
MOR2220035	222.00	229.00	3.50	14.70	16.75	29.90
MOR2220040	222.00	230.00	4.00	14.70	16.75	32.05
MOR2220050	222.00	232.00	5.00	O/R	O/R	44.30
MOR2220060	222.00	234.00	6.00	O/R	O/R	75.90
MOR2220070	222.00	236.00	7.00	25.25	28.85	77.40
MOR2230030	223.00	229.00	3.00	O/R	O/R	25.05
MOR2230035	223.00	230.00	3.50	O/R	O/R	30.00
MOR2230040	223.00	231.00	4.00	O/R	O/R	32.15
MOR2230050	223.00	233.00	5.00	O/R	O/R	44.50
MOR2240030	224.00	230.00	3.00	O/R	O/R	25.20
MOR2240035	224.00	231.00	3.50	O/R	O/R	30.15
MOR2240038	224.00	231.60	3.80	14.70	16.75	32.40
MOR2240040	224.00	232.00	4.00	O/R	O/R	32.25
MOR2240050	224.00	234.00	5.00	O/R	O/R	44.75
MOR2240060	224.00	236.00	6.00	O/R	O/R	58.75
MOR2240070	224.00	238.00	7.00	O/R	O/R	77.80
MOR2240084	224.00	240.80	8.40	O/R	O/R	123.10
MOR2250025	225.00	230.00	2.50	14.40	16.45	40.25
MOR2250028	225.00	230.60	2.80	14.40	16.45	25.30
MOR2250030	225.00	231.00	3.00	14.40	16.45	25.30
MOR2250035	225.00	232.00	3.50	14.70	16.75	30.10

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2250040	225.00	233.00	4.00	14.70	16.75	32.35
MOR2250045	225.00	234.00	4.50	O/R	O/R	38.90
MOR2250050	225.00	235.00	5.00	15.30	17.45	44.85
MOR2250057	225.00	236.40	5.70	19.50	22.30	O/R
MOR2250060	225.00	237.00	6.00	O/R	O/R	59.20
MOR2250070	225.00	239.00	7.00	25.25	28.85	89.85
MOR2250080	225.00	241.00	8.00	O/R	O/R	111.70
MOR2250100	225.00	245.00	10.00	O/R	O/R	157.90
MOR2250150	225.00	255.00	15.00	O/R	O/R	O/R
MOR2255050	225.50	235.50	5.00	15.30	17.45	O/R
MOR2260030	226.00	232.00	3.00	O/R	O/R	25.30
MOR2260035	226.00	233.00	3.50	O/R	O/R	30.25
MOR2260040	226.00	234.00	4.00	14.70	16.75	32.50
MOR2260050	226.00	236.00	5.00	15.30	17.45	45.10
MOR2260057	226.00	237.40	5.70	O/R	O/R	54.40
MOR2260060	226.00	238.00	6.00	O/R	30.05	59.40
MOR2260080	226.00	242.00	8.00	O/R	O/R	111.65
MOR2260127	226.00	251.40	12.70	44.95	O/R	O/R
MOR2270030	227.00	233.00	3.00	O/R	O/R	25.45
MOR2270032	227.00	233.40	3.20	14.40	16.45	O/R
MOR2270035	227.00	234.00	3.50	O/R	O/R	30.35
MOR2270040	227.00	235.00	4.00	O/R	O/R	32.60
MOR2270045	227.00	236.00	4.50	O/R	O/R	39.25
MOR2270050	227.00	237.00	5.00	O/R	O/R	45.20
MOR2270070	227.00	241.00	7.00	O/R	O/R	90.10
MOR2280030	228.00	234.00	3.00	O/R	O/R	25.55
MOR2280035	228.00	235.00	3.50	14.70	16.75	30.50
MOR2280040	228.00	236.00	4.00	11.75	13.40	28.70
MOR2280050	228.00	238.00	5.00	O/R	O/R	45.45
MOR2280057	228.00	239.40	5.70	O/R	O/R	57.60
MOR2280060	228.00	240.00	6.00	O/R	O/R	60.10
MOR2280070	228.00	242.00	7.00	25.25	28.85	79.00
MOR2280072	228.00	242.40	7.20	O/R	O/R	125.55
MOR2280100	228.00	248.00	10.00	39.10	44.70	158.00
MOR2290030	229.00	235.00	3.00	14.40	16.45	25.55
MOR2290035	229.00	236.00	3.50	O/R	O/R	30.60
MOR2290040	229.00	237.00	4.00	O/R	O/R	32.85
MOR2290050	229.00	239.00	5.00	15.30	17.45	45.70
MOR2290060	229.00	241.00	6.00	O/R	O/R	60.20
MOR2291084	229.10	245.90	8.40	28.75	32.90	111.50
MOR2292057	229.20	240.60	5.70	14.40	16.40	48.70
MOR2293057	229.30	240.70	5.70	14.85	16.85	48.70
MOR2295030	229.50	235.50	3.00	11.55	13.15	22.90
MOR2295050	229.50	239.50	5.00	15.30	17.45	O/R
MOR2300020	230.00	234.00	2.00	14.40	16.45	O/R
MOR2300025	230.00	235.00	2.50	14.40	16.45	O/R
MOR2300030	230.00	236.00	3.00	11.55	13.15	25.70
MOR2300035	230.00	237.00	3.50	O/R	O/R	30.70

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2300040	230.00	238.00	4.00	11.75	13.40	33.05
MOR2300050	230.00	240.00	5.00	12.25	14.00	40.15
MOR2300060	230.00	242.00	6.00	19.50	22.30	60.45
MOR2300070	230.00	244.00	7.00	O/R	O/R	79.65
MOR2300075	230.00	245.00	7.50	O/R	O/R	101.15
MOR2300080	230.00	246.00	8.00	32.85	37.55	112.15
MOR2300090	230.00	248.00	9.00	35.95	41.10	O/R
MOR2300100	230.00	250.00	10.00	O/R	O/R	158.60
MOR2300120	230.00	254.00	12.00	43.00	49.15	O/R
MOR2308035	230.84	237.84	3.50	15.60	17.85	O/R
MOR2310030	231.00	237.00	3.00	O/R	O/R	25.80
MOR2310035	231.00	238.00	3.50	15.30	17.45	30.85
MOR2310040	231.00	239.00	4.00	O/R	O/R	33.20
MOR2310050	231.00	241.00	5.00	O/R	O/R	46.05
MOR2320025	232.00	237.00	2.50	15.30	17.45	O/R
MOR2320030	232.00	238.00	3.00	O/R	O/R	25.95
MOR2320035	232.00	239.00	3.50	O/R	O/R	30.95
MOR2320040	232.00	240.00	4.00	15.60	17.85	33.30
MOR2320045	232.00	241.00	4.50	O/R	O/R	40.00
MOR2320050	232.00	242.00	5.00	O/R	O/R	46.05
MOR2330030	233.00	239.00	3.00	O/R	O/R	26.05
MOR2330035	233.00	240.00	3.50	O/R	O/R	31.10
MOR2330040	233.00	241.00	4.00	O/R	O/R	33.45
MOR2330050	233.00	243.00	5.00	O/R	O/R	46.25
MOR2330070	233.00	247.00	7.00	26.10	29.85	O/R
MOR2330100	233.00	253.00	10.00	40.40	46.15	O/R
MOR2340030	234.00	240.00	3.00	O/R	O/R	26.15
MOR2340035	234.00	241.00	3.50	O/R	O/R	31.30
MOR2340040	234.00	242.00	4.00	15.60	17.85	33.55
MOR2340045	234.00	243.00	4.50	15.95	18.25	O/R
MOR2340050	234.00	244.00	5.00	O/R	O/R	46.40
MOR2340060	234.00	246.00	6.00	20.50	23.45	O/R
MOR2340065	234.00	247.00	6.50	O/R	O/R	70.25
MOR2340070	234.00	248.00	7.00	O/R	O/R	80.85
MOR2340100	234.00	254.00	10.00	40.40	46.15	O/R
MOR2341084	234.10	250.90	8.40	O/R	O/R	113.85
MOR2343057	234.30	245.70	5.70	O/R	18.15	57.15
MOR2345070	234.50	248.50	7.00	26.10	29.85	O/R
MOR2350030	235.00	241.00	3.00	15.30	17.45	26.30
MOR2350035	235.00	242.00	3.50	15.60	17.85	31.45
MOR2350040	235.00	243.00	4.00	O/R	O/R	33.65
MOR2350050	235.00	245.00	5.00	12.80	14.60	46.60
MOR2350060	235.00	247.00	6.00	O/R	O/R	61.70
MOR2350070	235.00	249.00	7.00	26.10	29.85	81.30
MOR2350080	235.00	251.00	8.00	O/R	O/R	115.15
MOR2350100	235.00	255.00	10.00	O/R	O/R	163.15
MOR2360030	236.00	242.00	3.00	O/R	O/R	26.40
MOR2360035	236.00	243.00	3.50	O/R	O/R	31.55

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2360040	236.00	244.00	4.00	O/R	O/R	33.90
MOR2360050	236.00	246.00	5.00	O/R	O/R	46.85
MOR2360060	236.00	248.00	6.00	O/R	O/R	61.75
MOR2360063	236.00	248.60	6.30	O/R	O/R	73.25
MOR2360070	236.00	250.00	7.00	O/R	O/R	81.65
MOR2360120	236.00	260.00	12.00	O/R	O/R	O/R
MOR2370030	237.00	243.00	3.00	15.30	17.45	26.50
MOR2370035	237.00	244.00	3.50	O/R	O/R	31.65
MOR2370040	237.00	245.00	4.00	15.60	17.85	34.05
MOR2370050	237.00	247.00	5.00	15.95	18.25	46.95
MOR2370060	237.00	249.00	6.00	20.50	23.45	61.95
MOR2370075	237.00	252.00	7.50	O/R	O/R	139.60
MOR2375060	237.50	249.50	6.00	O/R	O/R	62.05
MOR2380030	238.00	244.00	3.00	15.30	17.45	26.65
MOR2380035	238.00	245.00	3.50	15.60	17.85	31.80
MOR2380040	238.00	246.00	4.00	O/R	O/R	34.15
MOR2380050	238.00	248.00	5.00	O/R	O/R	47.20
MOR2380060	238.00	250.00	6.00	20.50	23.45	62.30
MOR2380063	238.00	250.60	6.30	26.10	29.85	O/R
MOR2380070	238.00	252.00	7.00	26.10	29.85	78.05
MOR2380080	238.00	254.00	8.00	O/R	O/R	115.70
MOR2380100	238.00	258.00	10.00	O/R	O/R	163.15
MOR2390030	239.00	245.00	3.00	15.30	17.45	26.80
MOR2390035	239.00	246.00	3.50	O/R	O/R	31.90
MOR2390040	239.00	247.00	4.00	O/R	O/R	34.25
MOR2390050	239.00	249.00	5.00	15.95	18.25	47.40
MOR2390075	239.00	254.00	7.50	33.70	38.50	O/R
MOR2391057	239.10	250.50	5.70	20.50	23.45	O/R
MOR2391080	239.10	255.10	8.00	33.70	38.50	O/R
MOR2391084	239.10	255.90	8.40	O/R	O/R	115.65
MOR2392057	239.20	250.60	5.70	15.10	17.25	50.90
MOR2393057	239.30	250.70	5.70	20.50	18.15	50.90
MOR2393065	239.30	252.30	6.50	O/R	O/R	74.50
MOR2395030	239.50	245.50	3.00	12.25	14.00	23.70
MOR2395075	239.50	254.50	7.50	33.70	38.50	O/R
MOR2400020	240.00	244.00	2.00	15.30	O/R	O/R
MOR2400030	240.00	246.00	3.00	12.25	14.00	23.70
MOR2400035	240.00	247.00	3.50	O/R	O/R	32.05
MOR2400040	240.00	248.00	4.00	12.50	14.25	34.40
MOR2400050	240.00	250.00	5.00	12.80	14.60	41.70
MOR2400060	240.00	252.00	6.00	20.50	23.45	62.75
MOR2400065	240.00	253.00	6.50	O/R	O/R	74.75
MOR2400070	240.00	254.00	7.00	O/R	O/R	83.00
MOR2400075	240.00	255.00	7.50	33.70	38.50	O/R
MOR2400080	240.00	256.00	8.00	33.70	38.50	94.80
MOR2400100	240.00	260.00	10.00	O/R	O/R	O/R
MOR2400110	240.00	262.00	11.00	O/R	O/R	O/R
MOR2401039	240.10	247.90	3.90	15.60	17.85	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2410030	241.00	247.00	3.00	O/R	O/R	26.90
MOR2410035	241.00	248.00	3.50	16.50	18.85	32.15
MOR2410040	241.00	249.00	4.00	O/R	O/R	34.60
MOR2410050	241.00	251.00	5.00	O/R	O/R	47.80
MOR2410070	241.00	255.00	7.00	O/R	O/R	79.15
MOR2413127	241.30	266.70	12.70	O/R	O/R	O/R
MOR2420030	242.00	248.00	3.00	O/R	O/R	27.15
MOR2420035	242.00	249.00	3.50	O/R	O/R	32.25
MOR2420040	242.00	250.00	4.00	16.50	18.85	34.75
MOR2420050	242.00	252.00	5.00	17.20	19.70	48.00
MOR2420060	242.00	254.00	6.00	21.00	24.00	O/R
MOR2420080	242.00	258.00	8.00	O/R	O/R	157.00
MOR2430030	243.00	249.00	3.00	16.45	18.80	27.15
MOR2430033	243.00	249.60	3.30	16.50	18.85	O/R
MOR2430035	243.00	250.00	3.50	O/R	O/R	32.40
MOR2430040	243.00	251.00	4.00	16.50	18.85	34.70
MOR2430050	243.00	253.00	5.00	O/R	O/R	48.10
MOR2430060	243.00	255.00	6.00	O/R	O/R	63.45
MOR2430070	243.00	257.00	7.00	O/R	O/R	83.55
MOR2433053	243.30	253.90	5.30	O/R	O/R	52.75
MOR2435060	243.50	255.50	6.00	O/R	O/R	63.55
MOR2440030	244.00	250.00	3.00	O/R	O/R	27.25
MOR2440035	244.00	251.00	3.50	O/R	O/R	32.35
MOR2440040	244.00	252.00	4.00	O/R	O/R	34.80
MOR2440050	244.00	254.00	5.00	O/R	O/R	48.15
MOR2440060	244.00	256.00	6.00	O/R	O/R	63.65
MOR2440070	244.00	258.00	7.00	O/R	O/R	83.90
MOR2441084	244.10	260.90	8.40	38.05	43.50	O/R
MOR2450030	245.00	251.00	3.00	13.15	15.00	27.35
MOR2450035	245.00	252.00	3.50	16.50	18.85	32.50
MOR2450040	245.00	253.00	4.00	O/R	O/R	34.95
MOR2450045	245.00	254.00	4.50	17.20	19.70	O/R
MOR2450050	245.00	255.00	5.00	13.80	15.75	48.35
MOR2450060	245.00	257.00	6.00	O/R	O/R	64.10
MOR2450075	245.00	260.00	7.50	34.50	39.45	O/R
MOR2450100	245.00	265.00	10.00	41.70	47.70	O/R
MOR2460020	246.00	250.00	2.00	16.45	18.80	O/R
MOR2460030	246.00	252.00	3.00	O/R	O/R	27.50
MOR2460035	246.00	253.00	3.50	16.50	18.85	32.70
MOR2460040	246.00	254.00	4.00	16.50	18.85	35.20
MOR2460050	246.00	256.00	5.00	17.20	19.70	48.50
MOR2460070	246.00	260.00	7.00	O/R	O/R	80.65
MOR2460150	246.00	276.00	15.00	O/R	O/R	O/R
MOR2470027	247.00	252.40	2.70	O/R	54.80	O/R
MOR2470030	247.00	253.00	3.00	16.45	18.80	27.60
MOR2470035	247.00	254.00	3.50	16.50	18.85	32.85
MOR2470040	247.00	255.00	4.00	16.50	18.85	35.30
MOR2470050	247.00	257.00	5.00	O/R	O/R	48.70

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2470060	247.00	259.00	6.00	O/R	O/R	64.55
MOR2470070	247.00	261.00	7.00	26.95	30.80	80.75
MOR2470120	247.00	271.00	12.00	O/R	O/R	O/R
MOR2470127	247.00	272.40	12.70	47.95	O/R	O/R
MOR2480020	248.00	252.00	2.00	O/R	O/R	39.90
MOR2480030	248.00	254.00	3.00	O/R	O/R	27.75
MOR2480032	248.00	254.40	3.20	16.50	18.85	O/R
MOR2480035	248.00	255.00	3.50	16.50	18.85	32.95
MOR2480040	248.00	256.00	4.00	O/R	O/R	35.40
MOR2480050	248.00	258.00	5.00	17.20	19.70	48.95
MOR2480070	248.00	262.00	7.00	O/R	O/R	95.75
MOR2480072	248.00	262.40	7.20	O/R	O/R	133.85
MOR2480090	248.00	266.00	9.00	O/R	O/R	143.20
MOR2480100	248.00	268.00	10.00	O/R	O/R	167.50
MOR2480130	248.00	274.00	13.00	O/R	O/R	O/R
MOR2490030	249.00	255.00	3.00	O/R	O/R	27.75
MOR2490035	249.00	256.00	3.50	O/R	O/R	33.05
MOR2490040	249.00	257.00	4.00	O/R	O/R	35.55
MOR2490050	249.00	259.00	5.00	O/R	O/R	49.05
MOR2490060	249.00	261.00	6.00	O/R	O/R	65.00
MOR2490090	249.00	267.00	9.00	38.05	43.50	O/R
MOR2490100	249.00	269.00	10.00	O/R	O/R	O/R
MOR2490110	249.00	271.00	11.00	43.80	50.05	O/R
MOR2491084	249.10	265.90	8.40	38.05	43.50	119.65
MOR2491030	249.15	255.15	3.00	13.15	O/R	O/R
MOR2492057	249.20	260.60	5.70	15.50	17.70	52.70
MOR2493057	249.30	260.70	5.70	16.35	19.45	52.70
MOR2495030	249.50	255.50	3.00	O/R	15.00	24.45
MOR2500020	250.00	254.00	2.00	16.45	18.80	45.10
MOR2500025	250.00	255.00	2.50	O/R	O/R	42.25
MOR2500030	250.00	256.00	3.00	13.15	15.00	24.60
MOR2500035	250.00	257.00	3.50	O/R	O/R	33.20
MOR2500040	250.00	258.00	4.00	13.20	15.10	31.20
MOR2500045	250.00	259.00	4.50	O/R	O/R	42.75
MOR2500046	250.00	259.20	4.60	17.20	19.70	O/R
MOR2500050	250.00	260.00	5.00	13.80	15.75	43.35
MOR2500060	250.00	262.00	6.00	21.00	24.00	65.25
MOR2500070	250.00	264.00	7.00	26.95	30.80	85.90
MOR2500080	250.00	266.00	8.00	34.50	39.45	119.15
MOR2500090	250.00	268.00	9.00	O/R	O/R	144.25
MOR2500100	250.00	270.00	10.00	41.70	47.70	O/R
MOR2510030	251.00	257.00	3.00	O/R	O/R	27.95
MOR2510035	251.00	258.00	3.50	O/R	O/R	33.30
MOR2510040	251.00	259.00	4.00	O/R	O/R	35.75
MOR2510050	251.00	261.00	5.00	O/R	O/R	49.50
MOR2510070	251.00	265.00	7.00	28.05	32.05	O/R
MOR2510100	251.00	271.00	10.00	O/R	O/R	O/R
MOR2513070	251.30	265.30	7.00	28.05	32.05	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2520035	252.00	259.00	3.50	O/R	O/R	33.45
MOR2520040	252.00	260.00	4.00	17.05	19.50	35.90
MOR2520050	252.00	262.00	5.00	O/R	O/R	49.65
MOR2530035	253.00	260.00	3.50	17.05	19.50	33.55
MOR2530040	253.00	261.00	4.00	O/R	O/R	36.10
MOR2530050	253.00	263.00	5.00	19.30	22.10	49.85
MOR2530070	253.00	267.00	7.00	28.05	32.05	86.80
MOR2530080	253.00	269.00	8.00	O/R	O/R	122.50
MOR2530130	253.00	279.00	13.00	50.10	57.25	O/R
MOR2537070	253.77	267.77	7.00	28.05	32.05	O/R
MOR2540030	254.00	260.00	3.00	16.85	19.25	O/R
MOR2540035	254.00	261.00	3.50	17.05	19.50	33.80
MOR2540040	254.00	262.00	4.00	17.05	19.50	36.25
MOR2540050	254.00	264.00	5.00	O/R	O/R	50.10
MOR2540080	254.00	270.00	8.00	35.95	41.10	O/R
MOR2543057	254.30	265.70	5.70	15.85	20.75	O/R
MOR2545030	254.50	260.50	3.00	16.85	19.25	O/R
MOR2545084	254.50	271.30	8.40	O/R	23.15	134.75
MOR2550020	255.00	259.00	2.00	16.85	19.25	O/R
MOR2550030	255.00	261.00	3.00	16.85	19.25	28.35
MOR2550035	255.00	262.00	3.50	O/R	O/R	33.90
MOR2550040	255.00	263.00	4.00	13.65	15.60	36.35
MOR2550050	255.00	265.00	5.00	14.25	16.25	50.30
MOR2550057	255.00	266.40	5.70	21.50	24.60	61.80
MOR2550060	255.00	267.00	6.00	21.50	24.60	66.30
MOR2550070	255.00	269.00	7.00	O/R	O/R	87.85
MOR2550080	255.00	271.00	8.00	35.95	41.10	100.60
MOR2560035	256.00	263.00	3.50	O/R	O/R	34.05
MOR2560040	256.00	264.00	4.00	O/R	O/R	36.50
MOR2560050	256.00	266.00	5.00	O/R	O/R	50.45
MOR2570030	257.00	263.00	3.00	16.85	19.25	O/R
MOR2570035	257.00	264.00	3.50	O/R	O/R	34.15
MOR2570040	257.00	265.00	4.00	17.05	19.50	36.60
MOR2570050	257.00	267.00	5.00	O/R	O/R	50.65
MOR2575030	257.50	263.50	3.00	16.85	19.25	O/R
MOR2580035	258.00	265.00	3.50	O/R	O/R	34.25
MOR2580040	258.00	266.00	4.00	O/R	O/R	36.85
MOR2580050	258.00	268.00	5.00	O/R	O/R	50.80
MOR2580060	258.00	270.00	6.00	O/R	O/R	67.00
MOR2580063	258.00	270.60	6.30	28.05	32.05	O/R
MOR2580070	258.00	272.00	7.00	O/R	O/R	88.10
MOR2580072	258.00	272.40	7.20	O/R	O/R	137.25
MOR2580080	258.00	274.00	8.00	35.95	41.10	O/R
MOR2585035	258.50	265.50	3.50	O/R	O/R	34.25
MOR2590030	259.00	265.00	3.00	O/R	O/R	46.95
MOR2590035	259.00	266.00	3.50	O/R	O/R	34.40
MOR2590040	259.00	267.00	4.00	O/R	O/R	36.95
MOR2590050	259.00	269.00	5.00	19.30	22.10	51.00

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2590060	259.00	271.00	6.00	O/R	O/R	67.20
MOR2591084	259.10	275.90	8.40	O/R	O/R	134.75
MOR2592057	259.20	270.60	5.70	15.85	18.15	54.75
MOR2593057	259.30	270.70	5.70	15.85	20.75	54.75
MOR2595030	259.50	265.50	3.00	O/R	O/R	32.40
MOR2595050	259.50	269.50	5.00	19.30	22.10	O/R
MOR2597057	259.70	271.10	5.70	O/R	O/R	62.55
MOR2600025	260.00	265.00	2.50	16.85	19.25	31.20
MOR2600030	260.00	266.00	3.00	16.85	19.25	28.95
MOR2600035	260.00	267.00	3.50	17.05	19.50	34.50
MOR2600040	260.00	268.00	4.00	17.05	19.50	32.35
MOR2600050	260.00	270.00	5.00	14.25	16.25	44.85
MOR2600060	260.00	272.00	6.00	21.50	24.60	67.55
MOR2600070	260.00	274.00	7.00	28.05	32.05	88.85
MOR2600080	260.00	276.00	8.00	35.95	41.10	100.60
MOR2600100	260.00	280.00	10.00	O/R	O/R	172.60
MOR2610035	261.00	268.00	3.50	O/R	O/R	34.60
MOR2610040	261.00	269.00	4.00	O/R	O/R	37.00
MOR2610050	261.00	271.00	5.00	O/R	O/R	51.35
MOR2615080	261.50	277.50	8.00	37.75	43.15	O/R
MOR2616025	261.60	266.60	2.50	O/R	O/R	31.90
MOR2620024	262.00	266.80	2.40	O/R	O/R	27.00
MOR2620035	262.00	269.00	3.50	O/R	O/R	35.05
MOR2620040	262.00	270.00	4.00	O/R	O/R	37.25
MOR2620050	262.00	272.00	5.00	O/R	O/R	52.15
MOR2620055	262.00	273.00	5.50	21.90	25.05	O/R
MOR2620060	262.00	274.00	6.00	O/R	O/R	68.00
MOR2620080	262.00	278.00	8.00	37.75	43.15	O/R
MOR2620090	262.00	280.00	9.00	O/R	O/R	154.90
MOR2625055	262.50	273.50	5.50	21.90	25.05	O/R
MOR2630035	263.00	270.00	3.50	O/R	O/R	35.65
MOR2630040	263.00	271.00	4.00	O/R	O/R	37.35
MOR2630050	263.00	273.00	5.00	O/R	O/R	52.40
MOR2630070	263.00	277.00	7.00	O/R	O/R	101.90
MOR2630100	263.00	283.00	10.00	45.45	51.95	O/R
MOR2635070	263.50	277.50	7.00	O/R	O/R	89.85
MOR2640030	264.00	270.00	3.00	17.15	19.60	30.00
MOR2640035	264.00	271.00	3.50	O/R	O/R	36.50
MOR2640040	264.00	272.00	4.00	O/R	O/R	38.20
MOR2640050	264.00	274.00	5.00	O/R	O/R	52.60
MOR2640070	264.00	278.00	7.00	O/R	O/R	86.00
MOR2640082	264.00	280.40	8.20	O/R	O/R	180.05
MOR2642057	264.20	275.60	5.70	16.15	18.45	O/R
MOR2650020	265.00	269.00	2.00	17.15	19.60	O/R
MOR2650030	265.00	271.00	3.00	17.15	19.60	30.10
MOR2650035	265.00	272.00	3.50	O/R	O/R	36.60
MOR2650040	265.00	273.00	4.00	13.85	15.85	38.40
MOR2650050	265.00	275.00	5.00	19.90	22.75	52.75

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2650060	265.00	277.00	6.00	21.90	25.05	68.65
MOR2650065	265.00	278.00	6.50	O/R	O/R	90.95
MOR2650070	265.00	279.00	7.00	O/R	O/R	90.50
MOR2650080	265.00	281.00	8.00	37.75	43.15	O/R
MOR2650100	265.00	285.00	10.00	45.45	51.95	177.70
MOR2655025	265.50	270.50	2.50	17.15	19.60	O/R
MOR2660035	266.00	273.00	3.50	17.30	19.80	36.75
MOR2660040	266.00	274.00	4.00	O/R	O/R	38.55
MOR2660050	266.00	276.00	5.00	19.90	22.75	52.70
MOR2660060	266.00	278.00	6.00	21.90	25.05	69.00
MOR2660070	266.00	280.00	7.00	29.05	33.20	90.85
MOR2667063	266.70	279.40	6.35	29.05	33.20	O/R
MOR2670027	267.00	272.40	2.70	17.15	19.60	O/R
MOR2670035	267.00	274.00	3.50	17.30	19.80	36.85
MOR2670040	267.00	275.00	4.00	O/R	O/R	38.65
MOR2670045	267.00	276.00	4.50	O/R	O/R	45.90
MOR2670050	267.00	277.00	5.00	19.90	22.75	52.95
MOR2680025	268.00	273.00	2.50	O/R	O/R	31.90
MOR2680030	268.00	274.00	3.00	17.15	19.60	32.95
MOR2680035	268.00	275.00	3.50	O/R	O/R	36.95
MOR2680040	268.00	276.00	4.00	O/R	O/R	38.80
MOR2680045	268.00	277.00	4.50	19.90	22.75	O/R
MOR2680050	268.00	278.00	5.00	O/R	O/R	53.15
MOR2680060	268.00	280.00	6.00	O/R	O/R	69.45
MOR2680080	268.00	284.00	8.00	O/R	O/R	126.05
MOR2680127	268.00	293.40	12.70	52.25	59.70	O/R
MOR2690035	269.00	276.00	3.50	O/R	O/R	37.05
MOR2690040	269.00	277.00	4.00	O/R	O/R	38.90
MOR2690050	269.00	279.00	5.00	O/R	O/R	53.25
MOR2690060	269.00	281.00	6.00	21.90	25.05	O/R
MOR2691084	269.10	285.90	8.40	O/R	O/R	115.15
MOR2692057	269.20	280.60	5.70	16.15	18.45	57.25
MOR2693057	269.30	280.70	5.70	16.15	22.00	57.25
MOR2695060	269.50	281.50	6.00	21.90	25.05	O/R
MOR2697063	269.70	282.40	6.35	29.05	33.20	O/R
MOR2700025	270.00	275.00	2.50	17.15	19.60	O/R
MOR2700030	270.00	276.00	3.00	17.15	19.60	30.60
MOR2700035	270.00	277.00	3.50	17.30	19.80	37.00
MOR2700040	270.00	278.00	4.00	O/R	O/R	34.25
MOR2700050	270.00	280.00	5.00	14.65	16.75	53.50
MOR2700055	270.00	281.00	5.50	O/R	O/R	63.75
MOR2700060	270.00	282.00	6.00	21.90	25.05	70.00
MOR2700063	270.00	282.60	6.30	29.05	33.20	O/R
MOR2700065	270.00	283.00	6.50	29.05	33.20	O/R
MOR2700070	270.00	284.00	7.00	O/R	O/R	101.90
MOR2700076	270.00	285.20	7.60	37.75	43.15	O/R
MOR2700080	270.00	286.00	8.00	37.75	43.15	O/R
MOR2700100	270.00	290.00	10.00	O/R	O/R	179.15

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2700140	270.00	298.00	14.00	O/R	O/R	O/R
MOR2710030	271.00	277.00	3.00	19.30	22.10	30.70
MOR2710035	271.00	278.00	3.50	O/R	O/R	37.10
MOR2710040	271.00	279.00	4.00	O/R	O/R	39.25
MOR2710050	271.00	281.00	5.00	O/R	O/R	53.60
MOR2720025	272.00	277.00	2.50	19.35	22.10	O/R
MOR2720035	272.00	279.00	3.50	O/R	O/R	37.25
MOR2720040	272.00	280.00	4.00	19.80	22.60	39.35
MOR2720050	272.00	282.00	5.00	O/R	O/R	53.85
MOR2720070	272.00	286.00	7.00	O/R	O/R	92.25
MOR2720080	272.00	288.00	8.00	38.10	43.55	O/R
MOR2730035	273.00	280.00	3.50	19.80	22.60	37.35
MOR2730040	273.00	281.00	4.00	O/R	O/R	39.30
MOR2730045	273.00	282.00	4.50	O/R	O/R	46.50
MOR2730050	273.00	283.00	5.00	O/R	O/R	54.05
MOR2730070	273.00	287.00	7.00	O/R	O/R	92.70
MOR2730080	273.00	289.00	8.00	38.10	43.55	172.20
MOR2730120	273.00	297.00	12.00	O/R	O/R	O/R
MOR2740030	274.00	280.00	3.00	19.30	22.10	31.10
MOR2740035	274.00	281.00	3.50	O/R	O/R	37.60
MOR2740040	274.00	282.00	4.00	19.30	22.10	39.55
MOR2740050	274.00	284.00	5.00	O/R	O/R	54.30
MOR2740065	274.00	287.00	6.50	30.10	34.40	83.55
MOR2740086	274.00	291.20	8.60	43.55	49.80	157.70
MOR2740130	274.00	300.00	13.00	O/R	O/R	O/R
MOR2742057	274.20	285.60	5.70	16.55	18.95	O/R
MOR2743057	274.30	285.70	5.70	O/R	O/R	66.50
MOR2745040	274.50	282.50	4.00	19.80	22.60	O/R
MOR2750025	275.00	280.00	2.50	O/R	O/R	32.70
MOR2750030	275.00	281.00	3.00	19.30	22.10	31.20
MOR2750035	275.00	282.00	3.50	O/R	O/R	37.75
MOR2750040	275.00	283.00	4.00	19.80	22.60	39.65
MOR2750045	275.00	284.00	4.50	O/R	O/R	47.30
MOR2750050	275.00	285.00	5.00	20.50	23.45	54.40
MOR2750076	275.00	290.20	7.60	38.10	43.55	O/R
MOR2750080	275.00	291.00	8.00	O/R	O/R	108.45
MOR2750140	275.00	303.00	14.00	56.40	64.45	O/R
MOR2760035	276.00	283.00	3.50	O/R	O/R	37.85
MOR2760040	276.00	284.00	4.00	19.80	22.60	39.80
MOR2760050	276.00	286.00	5.00	O/R	O/R	54.65
MOR2760070	276.00	290.00	7.00	30.10	34.40	O/R
MOR2770033	277.00	283.60	3.30	19.80	22.60	O/R
MOR2770035	277.00	284.00	3.50	O/R	O/R	37.95
MOR2770040	277.00	285.00	4.00	O/R	O/R	39.90
MOR2770050	277.00	287.00	5.00	O/R	O/R	54.85
MOR2770065	277.00	290.00	6.50	30.10	34.40	O/R
MOR2770090	277.00	295.00	9.00	O/R	O/R	O/R
MOR2780032	278.00	284.40	3.20	19.80	22.60	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2780035	278.00	285.00	3.50	O/R	O/R	38.10
MOR2780040	278.00	286.00	4.00	O/R	O/R	40.00
MOR2780050	278.00	288.00	5.00	O/R	O/R	55.00
MOR2780060	278.00	290.00	6.00	O/R	O/R	71.70
MOR2780070	278.00	292.00	7.00	O/R	O/R	94.35
MOR2787074	278.70	293.50	7.40	38.10	43.55	O/R
MOR2787074-1	278.77	293.57	7.40	O/R	O/R	95.85
MOR2790030	279.00	285.00	3.00	O/R	O/R	49.85
MOR2790035	279.00	286.00	3.50	O/R	O/R	38.20
MOR2790040	279.00	287.00	4.00	O/R	O/R	40.25
MOR2790050	279.00	289.00	5.00	O/R	O/R	55.25
MOR2790070	279.00	293.00	7.00	30.10	34.40	94.65
MOR2791084	279.10	295.90	8.40	43.55	49.80	O/R
MOR2792057	279.20	290.60	5.70	16.55	18.95	59.30
MOR2793057	279.30	290.70	5.70	16.55	23.30	59.30
MOR2800025	280.00	285.00	2.50	O/R	O/R	32.70
MOR2800030	280.00	286.00	3.00	19.30	22.10	31.65
MOR2800035	280.00	287.00	3.50	O/R	O/R	38.40
MOR2800040	280.00	288.00	4.00	19.80	22.60	35.30
MOR2800045	280.00	289.00	4.50	20.50	23.45	47.90
MOR2800050	280.00	290.00	5.00	15.10	17.25	48.25
MOR2800060	280.00	292.00	6.00	22.50	25.70	72.25
MOR2800063	280.00	292.60	6.30	30.10	34.40	85.35
MOR2800070	280.00	294.00	7.00	O/R	O/R	95.10
MOR2800080	280.00	296.00	8.00	38.10	43.55	108.90
MOR2800090	280.00	298.00	9.00	O/R	O/R	O/R
MOR2800100	280.00	300.00	10.00	29.15	33.35	185.35
MOR2810035	281.00	288.00	3.50	O/R	O/R	38.55
MOR2810040	281.00	289.00	4.00	O/R	O/R	41.55
MOR2810050	281.00	291.00	5.00	O/R	O/R	57.25
MOR2820025	282.00	287.00	2.50	O/R	O/R	34.70
MOR2820035	282.00	289.00	3.50	O/R	O/R	38.65
MOR2820040	282.00	290.00	4.00	O/R	O/R	41.70
MOR2820050	282.00	292.00	5.00	O/R	O/R	57.50
MOR2820057	282.00	293.40	5.70	O/R	O/R	69.00
MOR2820060	282.00	294.00	6.00	23.20	26.50	O/R
MOR2820140	282.00	310.00	14.00	O/R	O/R	O/R
MOR2830035	283.00	290.00	3.50	O/R	O/R	38.80
MOR2830040	283.00	291.00	4.00	O/R	O/R	41.80
MOR2830050	283.00	293.00	5.00	O/R	O/R	57.70
MOR2830070	283.00	297.00	7.00	O/R	O/R	95.65
MOR2833057	283.30	294.70	5.70	O/R	O/R	69.70
MOR2840035	284.00	291.00	3.50	O/R	O/R	38.90
MOR2840040	284.00	292.00	4.00	20.90	23.90	41.95
MOR2840050	284.00	294.00	5.00	O/R	O/R	57.80
MOR2840060	284.00	296.00	6.00	23.20	26.50	73.15
MOR2842057	284.20	295.60	5.70	17.10	19.55	69.80
MOR2845040	284.50	292.50	4.00	20.90	23.90	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2845084	284.50	301.30	8.40	45.85	29.60	O/R
MOR2850030	285.00	291.00	3.00	20.55	23.50	33.05
MOR2850035	285.00	292.00	3.50	O/R	O/R	39.05
MOR2850040	285.00	293.00	4.00	15.40	17.60	42.15
MOR2850050	285.00	295.00	5.00	O/R	O/R	57.80
MOR2850060	285.00	297.00	6.00	O/R	O/R	73.50
MOR2850070	285.00	299.00	7.00	31.25	35.70	96.25
MOR2860024	286.00	290.80	2.40	20.55	23.50	O/R
MOR2860035	286.00	293.00	3.50	20.90	23.90	39.25
MOR2860040	286.00	294.00	4.00	O/R	O/R	42.25
MOR2860050	286.00	296.00	5.00	O/R	O/R	58.05
MOR2860060	286.00	298.00	6.00	O/R	O/R	73.80
MOR2860070	286.00	300.00	7.00	31.25	35.70	O/R
MOR2860080	286.00	302.00	8.00	39.60	45.25	O/R
MOR2866080	286.60	302.70	8.05	O/R	O/R	115.15
MOR2868078	286.82	302.42	7.80	O/R	O/R	107.85
MOR2870035	287.00	294.00	3.50	20.90	23.90	39.35
MOR2870040	287.00	295.00	4.00	20.90	23.90	42.40
MOR2870050	287.00	297.00	5.00	O/R	O/R	58.30
MOR2870100	287.00	307.00	10.00	O/R	O/R	O/R
MOR2880030	288.00	294.00	3.00	O/R	O/R	33.45
MOR2880035	288.00	295.00	3.50	O/R	O/R	40.85
MOR2880040	288.00	296.00	4.00	20.90	23.90	42.65
MOR2880050	288.00	298.00	5.00	21.95	25.10	58.50
MOR2880060	288.00	300.00	6.00	O/R	O/R	74.15
MOR2880080	288.00	304.00	8.00	39.60	45.25	O/R
MOR2890035	289.00	296.00	3.50	O/R	O/R	41.05
MOR2890040	289.00	297.00	4.00	O/R	O/R	42.75
MOR2890050	289.00	299.00	5.00	O/R	O/R	58.75
MOR2892057	289.20	300.60	5.70	O/R	19.55	62.55
MOR2893057	289.30	300.70	5.70	17.10	24.60	62.55
MOR2895084	289.50	306.30	8.40	O/R	30.55	148.30
MOR2900020	290.00	294.00	2.00	20.55	23.50	O/R
MOR2900030	290.00	296.00	3.00	20.55	23.50	33.65
MOR2900035	290.00	297.00	3.50	O/R	O/R	42.65
MOR2900040	290.00	298.00	4.00	15.40	17.60	37.50
MOR2900050	290.00	300.00	5.00	16.20	18.50	51.70
MOR2900060	290.00	302.00	6.00	23.20	26.50	74.75
MOR2900065	290.00	303.00	6.50	O/R	O/R	97.65
MOR2900070	290.00	304.00	7.00	31.25	35.70	97.75
MOR2900080	290.00	306.00	8.00	39.60	45.25	134.95
MOR2900100	290.00	310.00	10.00	O/R	O/R	157.50
MOR2910035	291.00	298.00	3.50	21.70	24.80	42.75
MOR2910040	291.00	299.00	4.00	O/R	O/R	42.95
MOR2910050	291.00	301.00	5.00	O/R	O/R	59.30
MOR2910062	291.00	303.40	6.20	32.35	36.95	O/R
MOR2910070	291.00	305.00	7.00	O/R	O/R	93.35
MOR2920015	292.00	295.00	1.50	21.70	24.80	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2920026	292.00	297.30	2.65	21.70	24.80	O/R
MOR2920030	292.00	298.00	3.00	O/R	O/R	54.20
MOR2920035	292.00	299.00	3.50	O/R	24.80	44.40
MOR2920040	292.00	300.00	4.00	21.70	24.80	43.10
MOR2920050	292.00	302.00	5.00	O/R	O/R	59.55
MOR2920070	292.00	306.00	7.00	32.35	36.95	98.40
MOR2920100	292.00	312.00	10.00	O/R	O/R	O/R
MOR2930035	293.00	300.00	3.50	O/R	O/R	44.50
MOR2930040	293.00	301.00	4.00	O/R	O/R	43.35
MOR2930050	293.00	303.00	5.00	22.60	25.80	59.65
MOR2940027	294.00	299.40	2.70	21.70	24.80	O/R
MOR2940035	294.00	301.00	3.50	O/R	O/R	44.65
MOR2940040	294.00	302.00	4.00	21.70	24.80	43.45
MOR2940050	294.00	304.00	5.00	O/R	O/R	59.85
MOR2940060	294.00	306.00	6.00	23.10	26.40	75.35
MOR2942057	294.20	305.60	5.70	17.40	19.85	O/R
MOR2945060	294.50	306.50	6.00	23.10	26.40	O/R
MOR2950030	295.00	301.00	3.00	21.70	24.80	O/R
MOR2950035	295.00	302.00	3.50	21.70	24.80	44.85
MOR2950040	295.00	303.00	4.00	O/R	O/R	43.55
MOR2950050	295.00	305.00	5.00	O/R	O/R	60.10
MOR2950053	295.00	305.60	5.30	O/R	O/R	63.45
MOR2950060	295.00	307.00	6.00	23.10	26.40	75.60
MOR2950100	295.00	315.00	10.00	31.20	35.70	O/R
MOR2950120	295.00	319.00	12.00	O/R	O/R	O/R
MOR2958127	295.80	321.20	12.70	64.80	O/R	O/R
MOR2960012	296.00	298.40	1.20	O/R	O/R	O/R
MOR2960025	296.00	301.00	2.50	O/R	O/R	49.65
MOR2960035	296.00	303.00	3.50	O/R	O/R	45.00
MOR2960040	296.00	304.00	4.00	O/R	O/R	43.65
MOR2960050	296.00	306.00	5.00	O/R	O/R	60.35
MOR2960084	296.00	312.80	8.40	O/R	O/R	154.90
MOR2970020	297.00	301.00	2.00	21.70	24.80	O/R
MOR2970035	297.00	304.00	3.50	O/R	O/R	45.10
MOR2970040	297.00	305.00	4.00	16.00	18.25	43.80
MOR2970050	297.00	307.00	5.00	O/R	O/R	60.45
MOR2970088	297.00	314.60	8.80	O/R	O/R	165.15
MOR2978069	297.80	311.80	7.00	25.90	O/R	O/R
MOR2980025	298.00	303.00	2.50	21.70	24.80	O/R
MOR2980035	298.00	305.00	3.50	21.70	24.80	45.20
MOR2980040	298.00	306.00	4.00	21.70	24.80	43.80
MOR2980050	298.00	308.00	5.00	O/R	O/R	60.70
MOR2980070	298.00	312.00	7.00	32.35	36.95	99.75
MOR2980072	298.00	312.40	7.20	O/R	O/R	154.60
MOR2980100	298.00	318.00	10.00	O/R	O/R	O/R
MOR2990035	299.00	306.00	3.50	O/R	O/R	45.45
MOR2990040	299.00	307.00	4.00	O/R	O/R	43.95
MOR2990050	299.00	309.00	5.00	O/R	O/R	60.90

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR2992057	299.20	310.60	5.70	17.40	19.85	64.70
MOR2993057	299.30	310.70	5.70	17.40	25.90	64.70
MOR2995084	299.50	316.30	8.40	O/R	32.40	154.50
MOR3000010	300.00	302.00	1.00	21.70	24.80	O/R
MOR3000030	300.00	306.00	3.00	21.70	24.80	34.70
MOR3000032	300.00	306.40	3.20	21.70	24.80	O/R
MOR3000035	300.00	307.00	3.50	O/R	O/R	45.55
MOR3000040	300.00	308.00	4.00	21.70	24.80	38.80
MOR3000045	300.00	309.00	4.50	22.60	25.80	O/R
MOR3000050	300.00	310.00	5.00	22.60	25.80	53.15
MOR3000057	300.00	311.40	5.70	O/R	O/R	73.70
MOR3000060	300.00	312.00	6.00	23.10	26.40	76.80
MOR3000065	300.00	313.00	6.50	32.35	36.95	O/R
MOR3000070	300.00	314.00	7.00	O/R	O/R	100.50
MOR3000075	300.00	315.00	7.50	O/R	O/R	164.65
MOR3000080	300.00	316.00	8.00	40.20	45.90	114.85
MOR3000084	300.00	316.80	8.40	48.25	55.15	O/R
MOR3000090	300.00	318.00	9.00	48.25	55.15	165.15
MOR3000100	300.00	320.00	10.00	56.35	64.40	161.45
MOR3000120	300.00	324.00	12.00	O/R	O/R	O/R
MOR3000127	300.00	325.40	12.70	64.80	74.05	O/R
MOR3010035	301.00	308.00	3.50	O/R	O/R	45.70
MOR3010040	301.00	309.00	4.00	O/R	O/R	44.30
MOR3010050	301.00	311.00	5.00	O/R	O/R	61.35
MOR3010060	301.00	313.00	6.00	23.20	26.50	77.15
MOR3020035	302.00	309.00	3.50	O/R	O/R	45.80
MOR3020040	302.00	310.00	4.00	O/R	O/R	44.40
MOR3020050	302.00	312.00	5.00	21.50	24.55	61.45
MOR3020084	302.00	318.80	8.40	O/R	O/R	132.40
MOR3030035	303.00	310.00	3.50	O/R	O/R	46.05
MOR3030040	303.00	311.00	4.00	O/R	O/R	44.50
MOR3030050	303.00	313.00	5.00	O/R	O/R	61.70
MOR3030060	303.00	315.00	6.00	23.20	26.50	O/R
MOR3040030	304.00	310.00	3.00	20.45	23.35	O/R
MOR3040035	304.00	311.00	3.50	20.45	23.35	45.90
MOR3040040	304.00	312.00	4.00	O/R	O/R	44.65
MOR3040050	304.00	314.00	5.00	O/R	O/R	61.60
MOR3040060	304.00	316.00	6.00	O/R	O/R	77.70
MOR3040070	304.00	318.00	7.00	O/R	O/R	117.85
MOR3040080	304.00	320.00	8.00	38.05	43.45	O/R
MOR3040084	304.00	320.80	8.40	45.35	51.80	O/R
MOR3041057	304.10	315.50	5.70	23.20	26.50	93.80
MOR3042075	304.20	319.20	7.50	O/R	O/R	109.00
MOR3043057	304.36	315.76	5.70	23.20	26.50	O/R
MOR3050030	305.00	311.00	3.00	20.45	23.35	35.20
MOR3050035	305.00	312.00	3.50	20.45	23.35	46.05
MOR3050040	305.00	313.00	4.00	20.45	23.35	44.85
MOR3050045	305.00	314.00	4.50	21.50	24.55	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3050050	305.00	315.00	5.00	15.85	18.15	61.75
MOR3050060	305.00	317.00	6.00	O/R	O/R	78.15
MOR3050063	305.00	317.70	6.35	O/R	O/R	105.50
MOR3050070	305.00	319.00	7.00	29.90	34.20	102.25
MOR3050072	305.00	319.50	7.25	38.05	43.45	O/R
MOR3050080	305.00	321.00	8.00	38.05	43.45	O/R
MOR3050100	305.00	325.00	10.00	52.60	60.10	O/R
MOR3050130	305.00	331.00	13.00	60.50	69.15	O/R
MOR3060035	306.00	313.00	3.50	O/R	O/R	46.25
MOR3060040	306.00	314.00	4.00	O/R	O/R	45.00
MOR3060050	306.00	316.00	5.00	O/R	O/R	61.95
MOR3070030	307.00	313.00	3.00	O/R	O/R	38.30
MOR3070035	307.00	314.00	3.50	O/R	O/R	46.40
MOR3070040	307.00	315.00	4.00	O/R	O/R	45.10
MOR3070050	307.00	317.00	5.00	O/R	O/R	62.20
MOR3070060	307.00	319.00	6.00	O/R	O/R	78.50
MOR3070070	307.00	321.00	7.00	29.90	34.20	102.55
MOR3080030	308.00	314.00	3.00	O/R	O/R	54.75
MOR3080035	308.00	315.00	3.50	O/R	O/R	46.50
MOR3080040	308.00	316.00	4.00	20.45	23.35	45.20
MOR3080050	308.00	318.00	5.00	21.50	24.55	62.40
MOR3080060	308.00	320.00	6.00	O/R	O/R	78.80
MOR3080080	308.00	324.00	8.00	38.05	43.45	O/R
MOR3090035	309.00	316.00	3.50	O/R	O/R	46.60
MOR3090040	309.00	317.00	4.00	O/R	O/R	45.45
MOR3090050	309.00	319.00	5.00	O/R	O/R	62.65
MOR3091084	309.10	325.90	8.40	45.35	51.80	O/R
MOR3092057	309.20	320.60	5.70	17.25	19.75	O/R
MOR3093057	309.30	320.70	5.70	O/R	O/R	75.90
MOR3095045	309.50	318.50	4.50	O/R	O/R	70.70
MOR3100025	310.00	315.00	2.50	20.45	23.35	O/R
MOR3100030	310.00	316.00	3.00	20.45	23.35	35.75
MOR3100035	310.00	317.00	3.50	O/R	O/R	46.85
MOR3100040	310.00	318.00	4.00	15.10	17.25	39.90
MOR3100045	310.00	319.00	4.50	O/R	O/R	70.70
MOR3100050	310.00	320.00	5.00	15.85	18.15	54.85
MOR3100060	310.00	322.00	6.00	23.20	26.50	79.00
MOR3100065	310.00	323.00	6.50	O/R	O/R	89.85
MOR3100066	310.00	323.20	6.60	21.40	24.45	O/R
MOR3100070	310.00	324.00	7.00	O/R	O/R	103.90
MOR3100080	310.00	326.00	8.00	38.05	43.45	147.50
MOR3100084	310.00	326.80	8.40	O/R	O/R	133.15
MOR3100090	310.00	328.00	9.00	O/R	O/R	173.20
MOR3100100	310.00	330.00	10.00	O/R	O/R	170.55
MOR3110035	311.00	318.00	3.50	O/R	O/R	46.95
MOR3110040	311.00	319.00	4.00	O/R	O/R	45.70
MOR3110050	311.00	321.00	5.00	O/R	O/R	62.85
MOR3110060	311.00	323.00	6.00	O/R	O/R	79.20

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3114083	311.40	328.00	8.30	46.15	52.75	O/R
MOR3120035	312.00	319.00	3.50	21.15	24.20	47.05
MOR3120040	312.00	320.00	4.00	21.15	24.20	45.80
MOR3120050	312.00	322.00	5.00	O/R	O/R	63.10
MOR3120080	312.00	328.00	8.00	O/R	O/R	147.90
MOR3130035	313.00	320.00	3.50	O/R	O/R	47.30
MOR3130040	313.00	321.00	4.00	O/R	O/R	45.90
MOR3130050	313.00	323.00	5.00	O/R	O/R	63.30
MOR3130060	313.00	325.00	6.00	O/R	O/R	98.20
MOR3130070	313.00	327.00	7.00	O/R	O/R	117.75
MOR3140030	314.00	320.00	3.00	21.15	24.20	55.35
MOR3140035	314.00	321.00	3.50	21.15	24.20	47.40
MOR3140040	314.00	322.00	4.00	O/R	O/R	45.90
MOR3140050	314.00	324.00	5.00	O/R	O/R	63.55
MOR3140075	314.00	329.00	7.50	O/R	O/R	132.00
MOR3140084	314.00	330.80	8.40	O/R	O/R	158.30
MOR3143057	314.30	325.70	5.70	O/R	O/R	76.70
MOR3150030	315.00	321.00	3.00	21.15	24.20	36.35
MOR3150035	315.00	322.00	3.50	O/R	O/R	47.55
MOR3150040	315.00	323.00	4.00	15.65	17.85	46.05
MOR3150045	315.00	324.00	4.50	22.70	25.90	55.00
MOR3150050	315.00	325.00	5.00	22.70	25.90	63.65
MOR3150060	315.00	327.00	6.00	25.15	28.70	80.20
MOR3150070	315.00	329.00	7.00	O/R	O/R	104.95
MOR3150100	315.00	335.00	10.00	53.50	61.15	O/R
MOR3155070	315.50	329.50	7.00	O/R	O/R	117.75
MOR3160035	316.00	323.00	3.50	21.15	24.20	47.80
MOR3160040	316.00	324.00	4.00	O/R	O/R	46.15
MOR3160050	316.00	326.00	5.00	22.70	25.90	63.90
MOR3160070	316.00	330.00	7.00	O/R	O/R	118.50
MOR3160090	316.00	334.00	9.00	O/R	O/R	173.20
MOR3170035	317.00	324.00	3.50	O/R	O/R	47.90
MOR3170040	317.00	325.00	4.00	O/R	O/R	46.25
MOR3170050	317.00	327.00	5.00	O/R	O/R	64.10
MOR3170070	317.00	331.00	7.00	30.20	34.50	100.30
MOR3175063	317.50	330.20	6.35	O/R	O/R	101.70
MOR3175127	317.50	342.90	12.70	O/R	O/R	O/R
MOR3180035	318.00	325.00	3.50	O/R	O/R	48.00
MOR3180040	318.00	326.00	4.00	O/R	O/R	46.50
MOR3180050	318.00	328.00	5.00	O/R	O/R	64.35
MOR3185050	318.50	328.50	5.00	O/R	O/R	64.45
MOR3190035	319.00	326.00	3.50	O/R	O/R	48.10
MOR3190040	319.00	327.00	4.00	O/R	O/R	46.60
MOR3190050	319.00	329.00	5.00	O/R	O/R	64.55
MOR3190084	319.00	335.80	8.40	O/R	O/R	O/R
MOR3190100	319.00	339.00	10.00	O/R	O/R	O/R
MOR3192057	319.20	330.60	5.70	20.10	23.00	68.55
MOR3193057	319.30	330.70	5.70	20.10	23.00	68.55

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3200030	320.00	326.00	3.00	21.15	24.20	36.85
MOR3200035	320.00	327.00	3.50	21.15	24.20	48.15
MOR3200040	320.00	328.00	4.00	O/R	O/R	41.20
MOR3200050	320.00	330.00	5.00	22.70	25.90	56.70
MOR3200055	320.00	331.00	5.50	O/R	O/R	76.35
MOR3200060	320.00	332.00	6.00	O/R	O/R	81.45
MOR3200070	320.00	334.00	7.00	30.20	34.50	106.55
MOR3200080	320.00	336.00	8.00	38.85	44.40	147.65
MOR3200100	320.00	340.00	10.00	O/R	O/R	171.05
MOR3200120	320.00	344.00	12.00	O/R	O/R	O/R
MOR3206033	320.60	327.30	3.35	O/R	O/R	101.90
MOR3210035	321.00	328.00	3.50	O/R	O/R	48.35
MOR3210040	321.00	329.00	4.00	O/R	O/R	47.05
MOR3210050	321.00	331.00	5.00	O/R	O/R	64.90
MOR3220035	322.00	329.00	3.50	O/R	O/R	48.50
MOR3220040	322.00	330.00	4.00	O/R	O/R	47.20
MOR3220050	322.00	332.00	5.00	O/R	O/R	65.15
MOR3220090	322.00	340.00	9.00	O/R	O/R	181.40
MOR3220120	322.00	346.00	12.00	O/R	O/R	O/R
MOR3230035	323.00	330.00	3.50	O/R	O/R	48.60
MOR3230040	323.00	331.00	4.00	O/R	O/R	47.30
MOR3230050	323.00	333.00	5.00	O/R	O/R	65.35
MOR3230070	323.00	337.00	7.00	30.50	34.90	107.50
MOR3230120	323.00	347.00	12.00	59.55	68.05	O/R
MOR3240035	324.00	331.00	3.50	O/R	O/R	48.70
MOR3240040	324.00	332.00	4.00	21.80	24.90	47.55
MOR3240050	324.00	334.00	5.00	O/R	O/R	65.60
MOR3240060	324.00	336.00	6.00	O/R	O/R	82.40
MOR3240080	324.00	340.00	8.00	39.55	45.20	O/R
MOR3245075	324.50	339.50	7.50	39.55	45.20	O/R
MOR3250030	325.00	331.00	3.00	O/R	O/R	37.35
MOR3250035	325.00	332.00	3.50	O/R	O/R	48.80
MOR3250040	325.00	333.00	4.00	O/R	O/R	47.65
MOR3250050	325.00	335.00	5.00	23.15	26.45	65.70
MOR3250053	325.00	335.60	5.30	O/R	O/R	70.90
MOR3250060	325.00	337.00	6.00	26.20	29.95	82.75
MOR3250070	325.00	339.00	7.00	O/R	O/R	107.75
MOR3250080	325.00	341.00	8.00	39.55	45.20	O/R
MOR3250100	325.00	345.00	10.00	54.40	62.20	O/R
MOR3260035	326.00	333.00	3.50	O/R	O/R	48.95
MOR3260040	326.00	334.00	4.00	O/R	O/R	47.80
MOR3260050	326.00	336.00	5.00	O/R	O/R	65.95
MOR3260057	326.00	337.40	5.70	O/R	O/R	79.95
MOR3270035	327.00	334.00	3.50	O/R	O/R	49.15
MOR3270040	327.00	335.00	4.00	O/R	O/R	47.90
MOR3270050	327.00	337.00	5.00	O/R	O/R	66.15
MOR3280025	328.00	333.00	2.50	21.65	24.70	O/R
MOR3280035	328.00	335.00	3.50	O/R	O/R	49.30

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3280040	328.00	336.00	4.00	O/R	O/R	48.00
MOR3280050	328.00	338.00	5.00	O/R	O/R	66.05
MOR3285065	328.50	341.50	6.50	30.50	34.90	O/R
MOR3290035	329.00	336.00	3.50	O/R	O/R	49.40
MOR3290040	329.00	337.00	4.00	O/R	O/R	48.10
MOR3290050	329.00	339.00	5.00	O/R	O/R	66.30
MOR3290070	329.00	343.00	7.00	O/R	O/R	103.65
MOR3293057	329.30	340.70	5.70	O/R	O/R	80.20
MOR3293084	329.30	346.10	8.40	O/R	O/R	166.45
MOR3300020	330.00	334.00	2.00	21.65	24.70	O/R
MOR3300030	330.00	336.00	3.00	21.65	24.70	O/R
MOR3300035	330.00	337.00	3.50	21.80	24.90	49.65
MOR3300040	330.00	338.00	4.00	16.10	18.40	42.15
MOR3300045	330.00	339.00	4.50	23.15	26.45	57.40
MOR3300050	330.00	340.00	5.00	17.10	19.55	58.15
MOR3300060	330.00	342.00	6.00	26.20	29.95	83.55
MOR3300063	330.00	342.70	6.35	O/R	O/R	111.95
MOR3300065	330.00	343.00	6.50	O/R	O/R	111.95
MOR3300070	330.00	344.00	7.00	30.50	34.90	109.35
MOR3300080	330.00	346.00	8.00	39.55	45.20	152.90
MOR3300084	330.00	346.80	8.40	O/R	O/R	166.65
MOR3300090	330.00	348.00	9.00	O/R	O/R	O/R
MOR3300100	330.00	350.00	10.00	O/R	O/R	O/R
MOR3300130	330.00	356.00	13.00	62.55	71.50	O/R
MOR3302063	330.20	342.90	6.35	30.50	34.90	O/R
MOR3310030	331.00	337.00	3.00	O/R	O/R	38.10
MOR3310035	331.00	338.00	3.50	O/R	O/R	49.75
MOR3310040	331.00	339.00	4.00	O/R	O/R	48.15
MOR3310050	331.00	341.00	5.00	O/R	O/R	66.60
MOR3320035	332.00	339.00	3.50	O/R	O/R	49.85
MOR3320040	332.00	340.00	4.00	O/R	O/R	48.25
MOR3320050	332.00	342.00	5.00	O/R	O/R	66.75
MOR3330035	333.00	340.00	3.50	O/R	O/R	49.95
MOR3330040	333.00	341.00	4.00	22.35	25.55	48.35
MOR3330050	333.00	343.00	5.00	O/R	O/R	67.00
MOR3330060	333.00	345.00	6.00	O/R	O/R	84.35
MOR3330070	333.00	347.00	7.00	O/R	O/R	105.35
MOR3330080	333.00	349.00	8.00	O/R	O/R	153.00
MOR3340035	334.00	341.00	3.50	O/R	O/R	50.20
MOR3340040	334.00	342.00	4.00	O/R	O/R	48.60
MOR3340050	334.00	344.00	5.00	O/R	O/R	67.20
MOR3340084	334.00	350.80	8.40	O/R	O/R	167.60
MOR3350030	335.00	341.00	3.00	22.35	25.55	O/R
MOR3350035	335.00	342.00	3.50	O/R	O/R	50.30
MOR3350040	335.00	343.00	4.00	O/R	O/R	48.70
MOR3350045	335.00	344.00	4.50	O/R	O/R	57.95
MOR3350050	335.00	345.00	5.00	O/R	O/R	67.45
MOR3350060	335.00	347.00	6.00	O/R	O/R	84.80

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3350070	335.00	349.00	7.00	O/R	O/R	110.95
MOR3350084	335.00	351.80	8.40	O/R	O/R	139.50
MOR3350100	335.00	355.00	10.00	O/R	O/R	O/R
MOR3350120	335.00	359.00	12.00	O/R	O/R	O/R
MOR3360035	336.00	343.00	3.50	O/R	O/R	50.45
MOR3360040	336.00	344.00	4.00	O/R	O/R	48.80
MOR3360050	336.00	346.00	5.00	O/R	O/R	67.65
MOR3360074	336.00	350.80	7.40	40.35	46.10	O/R
MOR3360080	336.00	352.00	8.00	O/R	O/R	153.60
MOR3370035	337.00	344.00	3.50	O/R	O/R	50.65
MOR3370040	337.00	345.00	4.00	O/R	O/R	48.95
MOR3370050	337.00	347.00	5.00	O/R	O/R	67.75
MOR3380035	338.00	345.00	3.50	O/R	O/R	50.80
MOR3380040	338.00	346.00	4.00	22.35	25.55	49.15
MOR3380050	338.00	348.00	5.00	O/R	O/R	68.00
MOR3380060	338.00	350.00	6.00	O/R	O/R	85.55
MOR3380070	338.00	352.00	7.00	O/R	O/R	111.30
MOR3380090	338.00	356.00	9.00	48.10	54.95	O/R
MOR3390035	339.00	346.00	3.50	O/R	O/R	50.90
MOR3390040	339.00	347.00	4.00	O/R	O/R	49.30
MOR3390050	339.00	349.00	5.00	O/R	O/R	68.20
MOR3390084	339.00	355.80	8.40	O/R	O/R	166.65
MOR3390150	339.00	369.00	15.00	68.50	78.30	O/R
MOR3392057	339.20	350.60	5.70	22.15	25.30	72.35
MOR3393057	339.30	350.70	5.70	22.15	25.30	72.35
MOR3396030	339.60	345.60	3.00	22.35	25.55	O/R
MOR3400030	340.00	346.00	3.00	22.35	25.55	O/R
MOR3400035	340.00	347.00	3.50	22.35	25.55	51.00
MOR3400036	340.00	347.20	3.60	O/R	O/R	49.50
MOR3400040	340.00	348.00	4.00	22.35	25.55	43.45
MOR3400045	340.00	349.00	4.50	23.95	27.35	O/R
MOR3400050	340.00	350.00	5.00	19.15	21.90	59.85
MOR3400060	340.00	352.00	6.00	27.65	31.60	86.00
MOR3400064	340.00	352.80	6.40	O/R	O/R	101.05
MOR3400070	340.00	354.00	7.00	31.15	35.60	111.95
MOR3400072	340.00	354.40	7.20	O/R	O/R	128.70
MOR3400080	340.00	356.00	8.00	O/R	O/R	127.25
MOR3400086	340.00	357.20	8.60	O/R	O/R	152.90
MOR3400100	340.00	360.00	10.00	57.10	65.25	177.60
MOR3410035	341.00	348.00	3.50	O/R	O/R	51.25
MOR3410040	341.00	349.00	4.00	O/R	O/R	49.65
MOR3410050	341.00	351.00	5.00	O/R	O/R	68.55
MOR3420030	342.00	348.00	3.00	O/R	O/R	40.60
MOR3420032	342.00	348.40	3.20	23.10	26.40	O/R
MOR3420035	342.00	349.00	3.50	O/R	O/R	51.35
MOR3420040	342.00	350.00	4.00	O/R	O/R	49.75
MOR3420050	342.00	352.00	5.00	O/R	O/R	68.80
MOR3420070	342.00	356.00	7.00	31.90	36.40	112.50

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3420075	342.00	357.00	7.50	O/R	O/R	144.55
MOR3420080	342.00	358.00	8.00	41.15	47.00	O/R
MOR3425074	342.50	357.30	7.40	41.15	47.00	O/R
MOR3430035	343.00	350.00	3.50	O/R	O/R	51.45
MOR3430040	343.00	351.00	4.00	O/R	O/R	49.85
MOR3430050	343.00	353.00	5.00	O/R	O/R	69.00
MOR3430070	343.00	357.00	7.00	31.90	36.40	113.25
MOR3430100	343.00	363.00	10.00	59.80	68.35	O/R
MOR3440025	344.00	349.00	2.50	23.10	26.40	58.40
MOR3440035	344.00	351.00	3.50	O/R	O/R	51.70
MOR3440040	344.00	352.00	4.00	O/R	O/R	49.95
MOR3440050	344.00	354.00	5.00	O/R	O/R	69.25
MOR3440057	344.00	355.40	5.70	O/R	O/R	83.45
MOR3440084	344.00	360.80	8.40	O/R	O/R	173.60
MOR3450030	345.00	351.00	3.00	O/R	O/R	39.45
MOR3450035	345.00	352.00	3.50	O/R	O/R	51.80
MOR3450040	345.00	353.00	4.00	O/R	O/R	50.10
MOR3450050	345.00	355.00	5.00	19.80	22.65	69.35
MOR3450056	345.00	356.20	5.60	O/R	O/R	100.40
MOR3450060	345.00	357.00	6.00	O/R	O/R	87.20
MOR3450070	345.00	359.00	7.00	O/R	O/R	113.65
MOR3450080	345.00	361.00	8.00	O/R	O/R	133.15
MOR3450100	345.00	365.00	10.00	O/R	O/R	184.90
MOR3460035	346.00	353.00	3.50	O/R	O/R	51.95
MOR3460040	346.00	354.00	4.00	O/R	O/R	50.30
MOR3460050	346.00	356.00	5.00	24.75	28.30	69.55
MOR3460060	346.00	358.00	6.00	29.30	33.45	O/R
MOR3460080	346.00	362.00	8.00	O/R	O/R	O/R
MOR3460095	346.00	365.00	9.50	O/R	O/R	O/R
MOR3470035	347.00	354.00	3.50	O/R	O/R	52.15
MOR3470040	347.00	355.00	4.00	O/R	O/R	50.45
MOR3470050	347.00	357.00	5.00	O/R	O/R	69.80
MOR3470070	347.00	361.00	7.00	O/R	O/R	130.20
MOR3470090	347.00	365.00	9.00	50.45	57.65	O/R
MOR3480030	348.00	354.00	3.00	O/R	O/R	39.80
MOR3480035	348.00	355.00	3.50	O/R	O/R	52.25
MOR3480040	348.00	356.00	4.00	23.10	26.40	50.55
MOR3480050	348.00	358.00	5.00	O/R	O/R	70.00
MOR3480060	348.00	360.00	6.00	O/R	O/R	87.55
MOR3480120	348.00	372.00	12.00	O/R	O/R	O/R
MOR3490035	349.00	356.00	3.50	O/R	O/R	52.40
MOR3490040	349.00	357.00	4.00	O/R	O/R	50.65
MOR3490050	349.00	359.00	5.00	O/R	O/R	70.15
MOR3492057	349.20	360.60	5.70	23.55	26.90	O/R
MOR3493057	349.30	360.70	5.70	O/R	O/R	84.65
MOR3500025	350.00	355.00	2.50	O/R	O/R	58.40
MOR3500030	350.00	356.00	3.00	23.10	26.40	42.40
MOR3500035	350.00	357.00	3.50	O/R	O/R	52.50

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3500040	350.00	358.00	4.00	17.05	19.50	44.50
MOR3500050	350.00	360.00	5.00	19.80	22.65	61.60
MOR3500060	350.00	362.00	6.00	29.30	33.45	88.10
MOR3500080	350.00	366.00	8.00	41.15	47.00	158.10
MOR3500090	350.00	368.00	9.00	50.45	57.65	O/R
MOR3500100	350.00	370.00	10.00	59.80	68.35	O/R
MOR3506063	350.60	363.30	6.35	O/R	O/R	103.55
MOR3510035	351.00	358.00	3.50	O/R	O/R	52.75
MOR3510040	351.00	359.00	4.00	O/R	O/R	51.00
MOR3510050	351.00	361.00	5.00	O/R	O/R	70.60
MOR3510070	351.00	365.00	7.00	O/R	O/R	115.35
MOR3510100	351.00	371.00	10.00	O/R	O/R	O/R
MOR3520030	352.00	358.00	3.00	O/R	O/R	63.65
MOR3520035	352.00	359.00	3.50	O/R	O/R	52.85
MOR3520040	352.00	360.00	4.00	O/R	O/R	51.10
MOR3520050	352.00	362.00	5.00	26.00	29.75	70.45
MOR3530035	353.00	360.00	3.50	O/R	O/R	52.70
MOR3530040	353.00	361.00	4.00	O/R	O/R	51.25
MOR3530050	353.00	363.00	5.00	O/R	O/R	70.55
MOR3530056	353.00	364.30	5.65	O/R	O/R	87.00
MOR3530100	353.00	373.00	10.00	O/R	O/R	O/R
MOR3532057	353.20	364.60	5.70	O/R	O/R	85.80
MOR3540030	354.00	360.00	3.00	23.75	27.10	O/R
MOR3540035	354.00	361.00	3.50	O/R	O/R	52.80
MOR3540038	354.00	361.60	3.80	23.90	27.30	O/R
MOR3540040	354.00	362.00	4.00	O/R	O/R	51.45
MOR3540050	354.00	364.00	5.00	O/R	O/R	70.80
MOR3541084	354.10	370.90	8.40	O/R	O/R	145.35
MOR3549073	354.97	369.57	7.30	O/R	O/R	117.65
MOR3550030	355.00	361.00	3.00	23.75	27.10	O/R
MOR3550035	355.00	362.00	3.50	23.90	27.30	53.05
MOR3550040	355.00	363.00	4.00	17.65	20.15	51.60
MOR3550045	355.00	364.00	4.50	26.00	29.75	O/R
MOR3550050	355.00	365.00	5.00	26.00	29.75	71.00
MOR3550060	355.00	367.00	6.00	O/R	O/R	89.30
MOR3550070	355.00	369.00	7.00	36.35	41.55	116.30
MOR3560035	356.00	363.00	3.50	23.90	27.30	53.15
MOR3560040	356.00	364.00	4.00	O/R	O/R	51.70
MOR3560050	356.00	366.00	5.00	O/R	O/R	71.25
MOR3570035	357.00	364.00	3.50	O/R	O/R	53.25
MOR3570040	357.00	365.00	4.00	O/R	O/R	51.80
MOR3570050	357.00	367.00	5.00	O/R	O/R	71.35
MOR3580035	358.00	365.00	3.50	O/R	O/R	53.50
MOR3580040	358.00	366.00	4.00	O/R	O/R	52.05
MOR3580050	358.00	368.00	5.00	O/R	O/R	71.60
MOR3580060	358.00	370.00	6.00	O/R	O/R	90.10
MOR3580065	358.00	371.00	6.50	O/R	O/R	105.80
MOR3590035	359.00	366.00	3.50	O/R	O/R	53.60
MOR3590040	359.00	367.00	4.00	O/R	O/R	52.15
MOR3590050	359.00	369.00	5.00	O/R	O/R	71.80
MOR3592057	359.20	370.60	5.70	24.95	28.50	76.15
MOR3593057	359.30	370.70	5.70	24.95	28.50	76.15
MOR3600030	360.00	366.00	3.00	23.75	27.10	41.05
MOR3600035	360.00	367.00	3.50	23.90	27.30	53.75
MOR3600040	360.00	368.00	4.00	17.65	20.15	52.25
MOR3600050	360.00	370.00	5.00	20.80	23.75	72.00
MOR3600056	360.00	371.20	5.60	O/R	O/R	170.65
MOR3600060	360.00	372.00	6.00	O/R	O/R	90.50
MOR3600065	360.00	373.00	6.50	O/R	O/R	117.15
MOR3600070	360.00	374.00	7.00	O/R	O/R	117.75
MOR3600075	360.00	375.00	7.50	42.05	48.05	119.45
MOR3600080	360.00	376.00	8.00	42.05	48.05	160.10
MOR3600090	360.00	378.00	9.00	O/R	O/R	O/R
MOR3600100	360.00	380.00	10.00	62.55	71.45	O/R
MOR3610035	361.00	368.00	3.50	O/R	O/R	53.95
MOR3610040	361.00	369.00	4.00	O/R	O/R	52.40
MOR3610050	361.00	371.00	5.00	O/R	O/R	72.15
MOR3620030	362.00	368.00	3.00	O/R	O/R	64.70
MOR3620035	362.00	369.00	3.50	O/R	O/R	54.05
MOR3620040	362.00	370.00	4.00	O/R	O/R	52.60
MOR3620050	362.00	372.00	5.00	O/R	O/R	72.35
MOR3630035	363.00	370.00	3.50	O/R	O/R	54.20
MOR3630040	363.00	371.00	4.00	O/R	O/R	52.75
MOR3630080	363.00	379.00	8.00	O/R	O/R	O/R
MOR3640035	364.00	371.00	3.50	O/R	O/R	54.30
MOR3640040	364.00	372.00	4.00	O/R	O/R	52.85
MOR3640050	364.00	374.00	5.00	O/R	O/R	72.70
MOR3650020	365.00	369.00	2.00	22.60	25.80	63.45
MOR3650035	365.00	372.00	3.50	O/R	O/R	54.55
MOR3650040	365.00	373.00	4.00	O/R	O/R	52.70
MOR3650050	365.00	375.00	5.00	26.90	30.75	72.90
MOR3650060	365.00	377.00	6.00	O/R	O/R	91.70
MOR3650070	365.00	379.00	7.00	O/R	O/R	119.35
MOR3660025	366.00	371.00	2.50	24.90	28.45	59.75
MOR3660035	366.00	373.00	3.50	24.95	28.50	54.65
MOR3660040	366.00	374.00	4.00	O/R	O/R	52.95
MOR3660050	366.00	376.00	5.00	O/R	O/R	73.15
MOR3670030	367.00	373.00	3.00	24.90	28.45	O/R
MOR3670035	367.00	374.00	3.50	24.95	28.50	54.75
MOR3670040	367.00	375.00	4.00	O/R	O/R	53.05
MOR3670050	367.00	377.00	5.00	26.90	30.75	73.35
MOR3670070	367.00	381.00	7.00	34.75	39.70	O/R
MOR3670080	367.00	383.00	8.00	O/R	O/R	138.25
MOR3680035	368.00	375.00	3.50	O/R	O/R	54.85
MOR3680040	368.00	376.00	4.00	O/R	O/R	53.15
MOR3680050	368.00	378.00	5.00	O/R	O/R	73.60

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3680060	368.00	380.00	6.00	34.05	38.90	92.05
MOR3680070	368.00	382.00	7.00	34.75	39.70	119.75
MOR3685063	368.50	381.20	6.35	O/R	O/R	104.05
MOR3690035	369.00	376.00	3.50	O/R	O/R	55.10
MOR3690040	369.00	377.00	4.00	O/R	O/R	53.25
MOR3690050	369.00	379.00	5.00	O/R	O/R	73.80
MOR3690090	369.00	387.00	9.00	O/R	O/R	O/R
MOR3700025	370.00	375.00	2.50	O/R	O/R	59.75
MOR3700030	370.00	376.00	3.00	24.90	28.45	42.05
MOR3700035	370.00	377.00	3.50	O/R	O/R	55.25
MOR3700040	370.00	378.00	4.00	19.95	22.80	46.85
MOR3700050	370.00	380.00	5.00	21.50	24.60	73.95
MOR3700055	370.00	381.00	5.50	34.05	38.90	O/R
MOR3700057	370.00	381.40	5.70	O/R	O/R	104.40
MOR3700060	370.00	382.00	6.00	34.05	38.90	92.45
MOR3700070	370.00	384.00	7.00	O/R	O/R	135.05
MOR3700080	370.00	386.00	8.00	O/R	O/R	164.15
MOR3700084	370.00	386.80	8.40	O/R	O/R	151.05
MOR3700100	370.00	390.00	10.00	65.30	74.65	O/R
MOR3710035	371.00	378.00	3.50	O/R	O/R	55.35
MOR3710040	371.00	379.00	4.00	O/R	O/R	53.85
MOR3710050	371.00	381.00	5.00	O/R	O/R	74.15
MOR3710080	371.00	387.00	8.00	O/R	O/R	O/R
MOR3720035	372.00	379.00	3.50	O/R	O/R	55.55
MOR3720040	372.00	380.00	4.00	O/R	O/R	54.05
MOR3720050	372.00	382.00	5.00	29.40	33.60	74.30
MOR3720060	372.00	384.00	6.00	O/R	O/R	93.00
MOR3720080	372.00	388.00	8.00	44.05	50.30	O/R
MOR3720120	372.00	396.00	12.00	O/R	O/R	O/R
MOR3725020	372.50	376.50	2.00	25.95	29.65	O/R
MOR3730035	373.00	380.00	3.50	O/R	O/R	55.70
MOR3730040	373.00	381.00	4.00	O/R	O/R	54.20
MOR3730050	373.00	383.00	5.00	O/R	O/R	74.50
MOR3730070	373.00	387.00	7.00	O/R	O/R	136.00
MOR3740035	374.00	381.00	3.50	O/R	O/R	55.80
MOR3740040	374.00	382.00	4.00	O/R	O/R	54.30
MOR3740050	374.00	384.00	5.00	O/R	O/R	74.75
MOR3740080	374.00	390.00	8.00	44.05	50.30	O/R
MOR3743057	374.30	385.70	5.70	27.80	31.80	O/R
MOR3750025	375.00	380.00	2.50	25.95	29.65	O/R
MOR3750030	375.00	381.00	3.00	O/R	29.65	O/R
MOR3750035	375.00	382.00	3.50	O/R	O/R	56.00
MOR3750035-1	375.00	382.10	3.55	25.95	29.65	O/R
MOR3750040	375.00	383.00	4.00	O/R	O/R	54.40
MOR3750050	375.00	385.00	5.00	23.55	26.90	74.95
MOR3750060	375.00	387.00	6.00	O/R	O/R	93.80
MOR3750070	375.00	389.00	7.00	25.95	O/R	121.95
MOR3750084	375.00	391.80	8.40	O/R	O/R	179.30

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3750090	375.00	393.00	9.00	56.10	64.10	O/R
MOR3750100	375.00	395.00	10.00	68.00	77.75	O/R
MOR3760035	376.00	383.00	3.50	O/R	O/R	56.15
MOR3760040	376.00	384.00	4.00	O/R	O/R	54.55
MOR3760050	376.00	386.00	5.00	O/R	O/R	74.80
MOR3760060	376.00	388.00	6.00	34.80	39.75	94.00
MOR3770035	377.00	384.00	3.50	O/R	O/R	56.25
MOR3770040	377.00	385.00	4.00	O/R	O/R	54.65
MOR3770050	377.00	387.00	5.00	O/R	O/R	75.00
MOR3780030	378.00	384.00	3.00	O/R	O/R	64.70
MOR3780035	378.00	385.00	3.50	O/R	O/R	56.40
MOR3780040	378.00	386.00	4.00	O/R	O/R	54.75
MOR3780050	378.00	388.00	5.00	O/R	O/R	75.15
MOR3790035	379.00	386.00	3.50	O/R	O/R	56.60
MOR3790040	379.00	387.00	4.00	O/R	O/R	54.85
MOR3790050	379.00	389.00	5.00	O/R	O/R	75.35
MOR3792057	379.20	390.60	5.70	27.80	31.80	79.95
MOR3793057	379.30	390.70	5.70	27.80	31.80	79.95
MOR3800030	380.00	386.00	3.00	25.95	29.65	43.20
MOR3800035	380.00	387.00	3.50	25.95	29.65	56.70
MOR3800040	380.00	388.00	4.00	20.75	23.75	48.00
MOR3800050	380.00	390.00	5.00	23.55	26.90	75.60
MOR3800060	380.00	392.00	6.00	34.80	39.75	95.00
MOR3800062	380.00	392.40	6.20	35.20	40.25	O/R
MOR3800065	380.00	393.00	6.50	35.20	40.25	122.15
MOR3800070	380.00	394.00	7.00	35.20	40.25	123.05
MOR3800080	380.00	396.00	8.00	44.05	50.30	166.15
MOR3800090	380.00	398.00	9.00	O/R	O/R	168.80
MOR3800100	380.00	400.00	10.00	68.05	77.75	O/R
MOR3810035	381.00	388.00	3.50	27.25	31.15	56.85
MOR3810040	381.00	389.00	4.00	O/R	O/R	55.00
MOR3810050	381.00	391.00	5.00	O/R	O/R	75.70
MOR3810063	381.00	393.70	6.35	O/R	O/R	111.70
MOR3811084	381.10	397.90	8.40	57.55	65.75	O/R
MOR3812082	381.20	397.60	8.20	O/R	O/R	157.50
MOR3820030	382.00	388.00	3.00	O/R	O/R	66.05
MOR3820035	382.00	389.00	3.50	O/R	O/R	57.05
MOR3820040	382.00	390.00	4.00	O/R	O/R	55.25
MOR3820050	382.00	392.00	5.00	O/R	O/R	75.90
MOR3820070	382.00	396.00	7.00	O/R	O/R	123.55
MOR3820100	382.00	402.00	10.00	O/R	O/R	O/R
MOR3830035	383.00	390.00	3.50	O/R	O/R	57.15
MOR3830040	383.00	391.00	4.00	O/R	O/R	55.35
MOR3830050	383.00	393.00	5.00	O/R	O/R	76.15
MOR3830080	383.00	399.00	8.00	O/R	O/R	O/R
MOR3830084	383.00	399.80	8.40	O/R	O/R	O/R
MOR3840035	384.00	391.00	3.50	O/R	O/R	57.30
MOR3840040	384.00	392.00	4.00	O/R	O/R	55.45

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3840050	384.00	394.00	5.00	O/R	O/R	76.35
MOR3840084	384.00	400.80	8.40	O/R	O/R	184.90
MOR3850030	385.00	391.00	3.00	O/R	O/R	43.65
MOR3850035	385.00	392.00	3.50	O/R	O/R	57.25
MOR3850040	385.00	393.00	4.00	O/R	O/R	55.55
MOR3850050	385.00	395.00	5.00	29.40	33.60	76.60
MOR3850060	385.00	397.00	6.00	34.85	39.80	95.70
MOR3850070	385.00	399.00	7.00	O/R	O/R	124.50
MOR3850075	385.00	400.00	7.50	O/R	O/R	O/R
MOR3850080	385.00	401.00	8.00	O/R	O/R	171.05
MOR3850140	385.00	413.00	14.00	O/R	O/R	O/R
MOR3855065	385.50	398.50	6.50	35.75	40.85	O/R
MOR3860035	386.00	393.00	3.50	O/R	O/R	57.35
MOR3860040	386.00	394.00	4.00	O/R	O/R	55.70
MOR3860050	386.00	396.00	5.00	29.40	33.60	76.70
MOR3860060	386.00	398.00	6.00	34.85	39.80	95.90
MOR3865050	386.50	396.50	5.00	29.40	33.60	76.95
MOR3870030	387.00	393.00	3.00	O/R	O/R	66.05
MOR3870035	387.00	394.00	3.50	O/R	O/R	57.50
MOR3870040	387.00	395.00	4.00	O/R	O/R	55.90
MOR3870050	387.00	397.00	5.00	29.40	33.60	76.95
MOR3870064	387.00	399.80	6.40	O/R	O/R	113.35
MOR3870070	387.00	401.00	7.00	O/R	O/R	125.05
MOR3880035	388.00	395.00	3.50	O/R	O/R	57.60
MOR3880040	388.00	396.00	4.00	O/R	O/R	56.00
MOR3880050	388.00	398.00	5.00	O/R	O/R	77.15
MOR3880060	388.00	400.00	6.00	O/R	O/R	96.45
MOR3880100	388.00	408.00	10.00	70.05	80.05	O/R
MOR3890035	389.00	396.00	3.50	O/R	O/R	57.80
MOR3890040	389.00	397.00	4.00	O/R	O/R	56.15
MOR3890050	389.00	399.00	5.00	O/R	O/R	77.40
MOR3890057	389.00	400.40	5.70	34.85	39.80	O/R
MOR3890060	389.00	401.00	6.00	O/R	O/R	96.65
MOR3890080	389.00	405.00	8.00	45.15	51.55	O/R
MOR3893057	389.30	400.70	5.70	O/R	O/R	107.85
MOR3900030	390.00	396.00	3.00	27.25	31.15	66.05
MOR3900035	390.00	397.00	3.50	O/R	O/R	57.95
MOR3900040	390.00	398.00	4.00	21.80	24.90	56.25
MOR3900050	390.00	400.00	5.00	O/R	O/R	77.50
MOR3900060	390.00	402.00	6.00	O/R	O/R	96.90
MOR3900065	390.00	403.10	6.55	35.75	40.85	O/R
MOR3900070	390.00	404.00	7.00	O/R	O/R	140.60
MOR3900072	390.00	404.40	7.20	O/R	O/R	145.45
MOR3900080	390.00	406.00	8.00	O/R	O/R	O/R
MOR3900084	390.00	406.80	8.40	O/R	O/R	O/R
MOR3900090	390.00	408.00	9.00	O/R	O/R	O/R
MOR3900100	390.00	410.00	10.00	O/R	O/R	O/R
MOR3900150	390.00	420.00	15.00	80.55	92.05	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR3905035	390.50	397.50	3.50	O/R	O/R	58.05
MOR3907067	390.75	404.15	6.70	O/R	O/R	120.80
MOR3910035	391.00	398.00	3.50	O/R	O/R	58.05
MOR3910040	391.00	399.00	4.00	O/R	O/R	56.50
MOR3910050	391.00	401.00	5.00	O/R	O/R	77.70
MOR3920035	392.00	399.00	3.50	O/R	O/R	58.15
MOR3920040	392.00	400.00	4.00	O/R	O/R	56.60
MOR3920050	392.00	402.00	5.00	O/R	O/R	77.95
MOR3920060	392.00	404.00	6.00	O/R	O/R	97.45
MOR3920070	392.00	406.00	7.00	O/R	O/R	126.80
MOR3930030	393.00	399.00	3.00	O/R	O/R	66.15
MOR3930035	393.00	400.00	3.50	O/R	O/R	58.40
MOR3930040	393.00	401.00	4.00	O/R	O/R	56.70
MOR3930050	393.00	403.00	5.00	O/R	O/R	78.15
MOR3930070	393.00	407.00	7.00	36.35	41.55	127.05
MOR3937063	393.70	406.40	6.35	O/R	O/R	115.15
MOR3940035	394.00	401.00	3.50	O/R	O/R	58.50
MOR3940040	394.00	402.00	4.00	O/R	O/R	56.85
MOR3940048	394.00	403.60	4.80	O/R	O/R	92.70
MOR3940050	394.00	404.00	5.00	O/R	O/R	78.25
MOR3940060	394.00	406.00	6.00	O/R	O/R	97.85
MOR3940080	394.00	410.00	8.00	45.90	52.45	O/R
MOR3950030	395.00	401.00	3.00	O/R	O/R	66.05
MOR3950035	395.00	402.00	3.50	O/R	O/R	58.60
MOR3950040	395.00	403.00	4.00	O/R	O/R	57.05
MOR3950050	395.00	405.00	5.00	30.90	35.30	78.50
MOR3950060	395.00	407.00	6.00	O/R	O/R	98.20
MOR3950080	395.00	411.00	8.00	45.90	52.45	O/R
MOR3950100	395.00	415.00	10.00	72.05	82.35	O/R
MOR3960035	396.00	403.00	3.50	O/R	O/R	58.85
MOR3960035-1	396.00	403.10	3.55	28.80	32.90	O/R
MOR3960040	396.00	404.00	4.00	O/R	O/R	57.15
MOR3960050	396.00	406.00	5.00	O/R	O/R	78.75
MOR3960120	396.00	420.00	12.00	79.25	90.60	O/R
MOR3970035	397.00	404.00	3.50	O/R	O/R	58.95
MOR3970040	397.00	405.00	4.00	O/R	O/R	57.30
MOR3970050	397.00	407.00	5.00	O/R	O/R	78.95
MOR3980035	398.00	405.00	3.50	O/R	O/R	59.05
MOR3980040	398.00	406.00	4.00	O/R	O/R	57.25
MOR3980050	398.00	408.00	5.00	O/R	O/R	79.05
MOR3980060	398.00	410.00	6.00	35.40	40.45	98.85
MOR3990035	399.00	406.00	3.50	O/R	O/R	59.20
MOR3990040	399.00	407.00	4.00	28.80	32.90	57.35
MOR3990041	399.00	407.20	4.10	28.80	32.90	O/R
MOR3990050	399.00	409.00	5.00	O/R	O/R	79.25
MOR3992057	399.20	410.60	5.70	28.35	32.35	83.70
MOR3993057	399.30	410.70	5.70	28.35	32.35	83.70
MOR3995085	399.50	416.50	8.50	O/R	O/R	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4000030	400.00	406.00	3.00	28.80	32.90	45.20
MOR4000035	400.00	407.00	3.50	O/R	O/R	59.40
MOR4000040	400.00	408.00	4.00	28.80	32.90	50.30
MOR4000045	400.00	409.00	4.50	30.90	35.30	O/R
MOR4000050	400.00	410.00	5.00	24.70	28.25	79.10
MOR4000056	400.00	411.20	5.60	35.40	40.45	O/R
MOR4000060	400.00	412.00	6.00	O/R	O/R	99.40
MOR4000067	400.00	413.40	6.70	36.35	41.55	O/R
MOR4000070	400.00	414.00	7.00	O/R	O/R	128.60
MOR4000080	400.00	416.00	8.00	45.90	52.45	144.00
MOR4000100	400.00	420.00	10.00	72.05	82.35	O/R
MOR4000120	400.00	424.00	12.00	O/R	O/R	O/R
MOR4005065	400.50	413.50	6.50	33.15	37.85	O/R
MOR4010035	401.00	408.00	3.50	O/R	O/R	59.55
MOR4010040	401.00	409.00	4.00	O/R	O/R	57.60
MOR4020035	402.00	409.00	3.50	O/R	O/R	59.65
MOR4020040	402.00	410.00	4.00	O/R	O/R	57.70
MOR4020045	402.00	411.00	4.50	O/R	O/R	84.35
MOR4020050	402.00	412.00	5.00	O/R	O/R	79.30
MOR4020090	402.00	420.00	9.00	O/R	O/R	O/R
MOR4030030	403.00	409.00	3.00	28.40	32.45	O/R
MOR4030035	403.00	410.00	3.50	O/R	O/R	59.85
MOR4030040	403.00	411.00	4.00	O/R	O/R	57.95
MOR4030060	403.00	415.00	6.00	O/R	O/R	119.50
MOR4030070	403.00	417.00	7.00	O/R	O/R	129.45
MOR4040035	404.00	411.00	3.50	O/R	O/R	60.00
MOR4040040	404.00	412.00	4.00	O/R	O/R	58.05
MOR4040065	404.00	417.00	6.50	33.55	38.35	O/R
MOR4040080	404.00	420.00	8.00	O/R	O/R	179.10
MOR4043057	404.30	415.70	5.70	32.55	37.20	O/R
MOR4050035	405.00	412.00	3.50	28.40	32.45	60.10
MOR4050040	405.00	413.00	4.00	O/R	O/R	58.15
MOR4050060	405.00	417.00	6.00	O/R	O/R	100.10
MOR4050065	405.00	418.00	6.50	33.55	38.35	O/R
MOR4050070	405.00	419.00	7.00	33.55	38.35	129.75
MOR4050075	405.00	420.00	7.50	O/R	O/R	164.95
MOR4060035	406.00	413.00	3.50	28.40	32.45	60.20
MOR4060040	406.00	414.00	4.00	O/R	O/R	58.30
MOR4060070	406.00	420.00	7.00	O/R	O/R	123.65
MOR4060150	406.00	436.00	15.00	O/R	O/R	O/R
MOR4064063	406.40	419.10	6.35	O/R	O/R	119.45
MOR4070035	407.00	414.00	3.50	O/R	O/R	60.45
MOR4070040	407.00	415.00	4.00	28.40	32.45	58.50
MOR4070057	407.00	418.40	5.70	O/R	O/R	118.95
MOR4070063	407.00	419.70	6.35	O/R	O/R	133.45
MOR4080035	408.00	415.00	3.50	O/R	O/R	60.55
MOR4080040	408.00	416.00	4.00	O/R	O/R	58.60
MOR4080060	408.00	420.00	6.00	O/R	O/R	101.15

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4080075	408.00	423.00	7.50	42.70	48.80	O/R
MOR4083095	408.30	427.30	9.50	O/R	O/R	O/R
MOR4090035	409.00	416.00	3.50	O/R	O/R	60.70
MOR4090040	409.00	417.00	4.00	O/R	O/R	58.75
MOR4100030	410.00	416.00	3.00	28.40	32.45	46.05
MOR4100035	410.00	417.00	3.50	28.40	32.45	60.80
MOR4100040	410.00	418.00	4.00	22.70	25.95	58.85
MOR4100050	410.00	420.00	5.00	28.85	32.95	80.40
MOR4100060	410.00	422.00	6.00	O/R	O/R	101.40
MOR4100070	410.00	424.00	7.00	33.55	38.35	131.05
MOR4100080	410.00	426.00	8.00	42.70	48.80	O/R
MOR4100100	410.00	430.00	10.00	O/R	O/R	O/R
MOR4100150	410.00	440.00	15.00	O/R	O/R	O/R
MOR4110035	411.00	418.00	3.50	O/R	O/R	61.00
MOR4110040	411.00	419.00	4.00	O/R	O/R	59.05
MOR4120035	412.00	419.00	3.50	O/R	O/R	61.15
MOR4120040	412.00	420.00	4.00	O/R	O/R	59.20
MOR4120070	412.00	426.00	7.00	34.05	38.90	131.80
MOR4120080	412.00	428.00	8.00	O/R	O/R	183.15
MOR4120090	412.00	430.00	9.00	O/R	O/R	O/R
MOR4120100	412.00	432.00	10.00	O/R	O/R	O/R
MOR4127056	412.70	423.90	5.60	32.95	37.65	O/R
MOR4130035	413.00	420.00	3.50	O/R	O/R	61.35
MOR4130040	413.00	421.00	4.00	O/R	O/R	59.30
MOR4130130	413.00	439.00	13.00	O/R	O/R	O/R
MOR4140035	414.00	421.00	3.50	O/R	O/R	61.45
MOR4140040	414.00	422.00	4.00	O/R	O/R	59.40
MOR4140080	414.00	430.00	8.00	O/R	O/R	O/R
MOR4140120	414.00	438.00	12.00	76.35	87.30	O/R
MOR4140130	414.00	440.00	13.00	O/R	O/R	O/R
MOR4141084	414.10	430.90	8.40	56.45	64.55	O/R
MOR4143057	414.30	425.70	5.70	32.95	37.65	O/R
MOR4150035	415.00	422.00	3.50	O/R	O/R	61.60
MOR4150040	415.00	423.00	4.00	O/R	O/R	59.65
MOR4150050	415.00	425.00	5.00	30.10	34.40	81.45
MOR4150060	415.00	427.00	6.00	O/R	O/R	102.45
MOR4150070	415.00	429.00	7.00	O/R	O/R	132.50
MOR4150080	415.00	431.00	8.00	O/R	O/R	183.85
MOR4160035	416.00	423.00	3.50	O/R	O/R	61.70
MOR4160040	416.00	424.00	4.00	O/R	O/R	59.75
MOR4170035	417.00	424.00	3.50	O/R	O/R	61.60
MOR4170040	417.00	425.00	4.00	O/R	O/R	59.85
MOR4170080	417.00	433.00	8.00	O/R	O/R	151.70
MOR4180035	418.00	425.00	3.50	O/R	O/R	61.75
MOR4180040	418.00	426.00	4.00	O/R	O/R	60.00
MOR4180060	418.00	430.00	6.00	O/R	O/R	102.55
MOR4180070	418.00	432.00	7.00	O/R	O/R	126.85
MOR4190035	419.00	426.00	3.50	O/R	O/R	61.85

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4190040	419.00	427.00	4.00	O/R	O/R	60.20
MOR4190070	419.00	433.00	7.00	O/R	O/R	148.30
MOR4190084	419.00	435.80	8.40	O/R	O/R	O/R
MOR4192057	419.20	430.60	5.70	26.35	30.10	87.35
MOR4193057	419.30	430.70	5.70	26.35	30.10	87.35
MOR4200030	420.00	426.00	3.00	28.95	33.10	71.45
MOR4200032	420.00	426.40	3.20	O/R	O/R	47.20
MOR4200035	420.00	427.00	3.50	O/R	O/R	62.05
MOR4200040	420.00	428.00	4.00	O/R	O/R	60.35
MOR4200050	420.00	430.00	5.00	30.10	34.40	82.35
MOR4200060	420.00	432.00	6.00	O/R	O/R	102.55
MOR4200065	420.00	433.00	6.50	34.05	38.90	133.45
MOR4200080	420.00	436.00	8.00	O/R	O/R	184.60
MOR4200100	420.00	440.00	10.00	69.45	79.35	O/R
MOR4210035	421.00	428.00	3.50	O/R	O/R	62.20
MOR4210040	421.00	429.00	4.00	O/R	O/R	60.45
MOR4215026	421.50	426.80	2.65	30.25	34.55	O/R
MOR4220030	422.00	428.00	3.00	O/R	O/R	71.45
MOR4220035	422.00	429.00	3.50	O/R	O/R	62.30
MOR4220040	422.00	430.00	4.00	O/R	O/R	60.55
MOR4220060	422.00	434.00	6.00	O/R	O/R	102.70
MOR4220065	422.00	435.00	6.50	O/R	O/R	137.65
MOR4222062	422.20	434.60	6.20	O/R	O/R	133.45
MOR4222069	422.20	436.00	6.90	34.80	39.75	O/R
MOR4230035	423.00	430.00	3.50	30.80	35.20	62.40
MOR4230040	423.00	431.00	4.00	O/R	O/R	60.80
MOR4230090	423.00	441.00	9.00	58.10	66.40	O/R
MOR4240030	424.00	430.00	3.00	30.25	34.55	O/R
MOR4240035	424.00	431.00	3.50	O/R	O/R	62.65
MOR4240040	424.00	432.00	4.00	O/R	O/R	60.90
MOR4240085	424.00	441.00	8.50	O/R	O/R	O/R
MOR4243057	424.30	435.70	5.70	33.65	38.45	O/R
MOR4250030	425.00	431.00	3.00	O/R	O/R	69.25
MOR4250035	425.00	432.00	3.50	O/R	O/R	62.75
MOR4250040	425.00	433.00	4.00	O/R	O/R	61.00
MOR4250050	425.00	435.00	5.00	O/R	O/R	83.40
MOR4250060	425.00	437.00	6.00	33.65	38.45	103.65
MOR4250070	425.00	439.00	7.00	34.80	39.75	134.15
MOR4250080	425.00	441.00	8.00	44.70	51.10	155.20
MOR4260035	426.00	433.00	3.50	O/R	O/R	62.85
MOR4260040	426.00	434.00	4.00	O/R	O/R	61.15
MOR4260060	426.00	438.00	6.00	O/R	O/R	104.05
MOR4260100	426.00	446.00	10.00	71.10	81.25	O/R
MOR4270035	427.00	434.00	3.50	O/R	O/R	63.10
MOR4270040	427.00	435.00	4.00	O/R	O/R	61.35
MOR4270050	427.00	437.00	5.00	O/R	O/R	112.25
MOR4270100	427.00	447.00	10.00	O/R	O/R	O/R
MOR4280035	428.00	435.00	3.50	O/R	O/R	63.20
MOR4280040	428.00	436.00	4.00	30.80	35.20	61.45
MOR4290035	429.00	436.00	3.50	O/R	O/R	63.30
MOR4290040	429.00	437.00	4.00	O/R	O/R	61.60
MOR4290057	429.00	440.40	5.70	O/R	O/R	123.45
MOR4290060	429.00	441.00	6.00	33.65	38.45	105.35
MOR4300035	430.00	437.00	3.50	30.80	35.20	63.45
MOR4300040	430.00	438.00	4.00	30.80	35.20	61.70
MOR4300050	430.00	440.00	5.00	O/R	O/R	83.90
MOR4300057	430.00	441.40	5.70	O/R	O/R	123.45
MOR4300060	430.00	442.00	6.00	O/R	O/R	105.60
MOR4300070	430.00	444.00	7.00	34.80	39.75	136.85
MOR4300080	430.00	446.00	8.00	44.70	51.10	O/R
MOR4300090	430.00	448.00	9.00	O/R	O/R	O/R
MOR4300100	430.00	450.00	10.00	71.10	81.25	O/R
MOR4300120	430.00	454.00	12.00	O/R	O/R	O/R
MOR4310035	431.00	438.00	3.50	31.75	36.30	63.65
MOR4310040	431.00	439.00	4.00	O/R	O/R	61.60
MOR4310070	431.00	445.00	7.00	O/R	O/R	130.60
MOR4310080	431.00	447.00	8.00	O/R	O/R	184.15
MOR4310084	431.00	447.80	8.40	O/R	O/R	169.65
MOR4315060	431.50	443.50	6.00	34.05	38.90	O/R
MOR4320035	432.00	439.00	3.50	O/R	O/R	63.75
MOR4320040	432.00	440.00	4.00	O/R	O/R	61.75
MOR4320050	432.00	442.00	5.00	32.50	37.15	O/R
MOR4320060	432.00	444.00	6.00	34.05	O/R	O/R
MOR4330030	433.00	439.00	3.00	O/R	O/R	74.85
MOR4330035	433.00	440.00	3.50	O/R	O/R	63.90
MOR4330040	433.00	441.00	4.00	O/R	O/R	61.85
MOR4340035	434.00	441.00	3.50	O/R	O/R	64.00
MOR4340040	434.00	442.00	4.00	O/R	O/R	61.95
MOR4340050	434.00	444.00	5.00	O/R	O/R	112.25
MOR4350035	435.00	442.00	3.50	O/R	O/R	64.20
MOR4350040	435.00	443.00	4.00	O/R	O/R	62.20
MOR4350050	435.00	445.00	5.00	O/R	O/R	84.90
MOR4350057	435.00	446.40	5.70	O/R	O/R	123.95
MOR4350080	435.00	451.00	8.00	O/R	O/R	73.60
MOR4350100	435.00	455.00	10.00	O/R	O/R	O/R
MOR4360035	436.00	443.00	3.50	O/R	O/R	64.35
MOR4360040	436.00	444.00	4.00	O/R	O/R	62.30
MOR4360050	436.00	446.00	5.00	O/R	O/R	85.00
MOR4360070	436.00	450.00	7.00	O/R	O/R	137.25
MOR4370035	437.00	444.00	3.50	O/R	O/R	64.55
MOR4370040	437.00	445.00	4.00	O/R	O/R	62.40
MOR4370070	437.00	451.00	7.00	O/R	O/R	137.75
MOR4380035	438.00	445.00	3.50	O/R	O/R	64.70
MOR4380040	438.00	446.00	4.00	O/R	O/R	62.55
MOR4380075	438.00	453.00	7.50	45.85	52.40	O/R
MOR4380120	438.00	462.00	12.00	80.00	91.40	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4380127	438.00	463.40	12.70	83.65	95.55	O/R
MOR4390030	439.00	445.00	3.00	O/R	O/R	74.85
MOR4390035	439.00	446.00	3.50	O/R	O/R	64.80
MOR4390040	439.00	447.00	4.00	31.75	36.30	62.75
MOR4390060	439.00	451.00	6.00	O/R	O/R	133.70
MOR4392057	439.20	450.60	5.70	O/R	O/R	91.50
MOR4393057	439.30	450.70	5.70	O/R	O/R	91.50
MOR4395040	439.50	447.50	4.00	31.75	36.30	62.90
MOR4400020	440.00	444.00	2.00	O/R	O/R	67.20
MOR4400030	440.00	446.00	3.00	31.75	36.30	49.15
MOR4400035	440.00	447.00	3.50	O/R	O/R	64.90
MOR4400040	440.00	448.00	4.00	25.40	29.05	62.85
MOR4400045	440.00	449.00	4.50	32.50	37.15	O/R
MOR4400050	440.00	450.00	5.00	32.50	37.15	O/R
MOR4400056	440.00	451.20	5.60	34.05	38.90	O/R
MOR4400060	440.00	452.00	6.00	O/R	O/R	107.75
MOR4400070	440.00	454.00	7.00	O/R	O/R	138.35
MOR4400080	440.00	456.00	8.00	45.85	52.40	O/R
MOR4410080	441.00	457.00	8.00	46.95	53.65	O/R
MOR4440030	444.00	450.00	3.00	31.75	36.30	O/R
MOR4440080	444.00	460.00	8.00	46.95	53.65	O/R
MOR4442057	444.20	455.60	5.70	34.55	39.50	O/R
MOR4450050	445.00	455.00	5.00	26.00	29.75	O/R
MOR4450060	445.00	457.00	6.00	34.55	39.50	O/R
MOR4493057	449.30	460.70	5.70	34.55	39.50	O/R
MOR4498062	449.80	462.20	6.20	37.05	42.35	O/R
MOR4500030	450.00	456.00	3.00	31.75	36.30	O/R
MOR4500050	450.00	460.00	5.00	26.00	29.75	O/R
MOR4500070	450.00	464.00	7.00	37.05	42.35	O/R
MOR4530064	453.00	465.80	6.40	39.10	44.70	O/R
MOR4550050	455.00	465.00	5.00	32.50	37.15	88.30
MOR4550057	455.00	466.40	5.70	O/R	O/R	106.80
MOR4550062	455.00	467.40	6.20	O/R	O/R	145.75
MOR4550084	455.00	471.80	8.40	O/R	O/R	O/R
MOR4560040	456.00	464.00	4.00	O/R	O/R	65.15
MOR4560070	456.00	470.00	7.00	39.10	44.70	136.65
MOR4570040	457.00	465.00	4.00	O/R	O/R	65.25
MOR4570063	457.00	469.70	6.35	O/R	O/R	145.75
MOR4570084	457.00	473.80	8.40	O/R	O/R	179.05
MOR4572070	457.20	471.20	7.00	O/R	O/R	114.20
MOR4578070	457.80	471.80	7.00	O/R	O/R	137.05
MOR4580040	458.00	466.00	4.00	O/R	O/R	65.35
MOR4580090	458.00	476.00	9.00	O/R	O/R	O/R
MOR4590040	459.00	467.00	4.00	O/R	O/R	65.50
MOR4592057	459.20	470.60	5.70	O/R	O/R	95.10
MOR4593057	459.30	470.70	5.70	O/R	O/R	95.10
MOR4600030	460.00	466.00	3.00	O/R	O/R	51.35
MOR4600040	460.00	468.00	4.00	31.75	36.30	65.70

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4600050	460.00	470.00	5.00	32.50	37.15	117.00
MOR4600053	460.00	470.60	5.30	28.60	32.70	O/R
MOR4600060	460.00	472.00	6.00	O/R	O/R	111.65
MOR4600063	460.00	472.70	6.35	O/R	O/R	125.95
MOR4600070	460.00	474.00	7.00	O/R	O/R	137.45
MOR4600074	460.00	474.80	7.40	O/R	O/R	174.70
MOR4600080	460.00	476.00	8.00	48.00	54.90	166.15
MOR4600084	460.00	476.80	8.40	62.05	70.90	O/R
MOR4600085	460.00	477.00	8.50	62.05	70.90	O/R
MOR4600120	460.00	484.00	12.00	83.60	95.55	O/R
MOR4610040	461.00	469.00	4.00	O/R	O/R	65.80
MOR4610070	461.00	475.00	7.00	O/R	O/R	166.25
MOR4620040	462.00	470.00	4.00	O/R	O/R	65.95
MOR4620070	462.00	476.00	7.00	O/R	O/R	144.25
MOR4620100	462.00	482.00	10.00	77.65	88.75	O/R
MOR4630040	463.00	471.00	4.00	O/R	O/R	66.05
MOR4640040	464.00	472.00	4.00	O/R	O/R	66.25
MOR4640060	464.00	476.00	6.00	37.65	43.05	O/R
MOR4640080	464.00	480.00	8.00	O/R	O/R	168.80
MOR4650030	465.00	471.00	3.00	O/R	O/R	84.00
MOR4650040	465.00	473.00	4.00	O/R	O/R	66.05
MOR4650045	465.00	474.00	4.50	O/R	O/R	78.50
MOR4650050	465.00	475.00	5.00	O/R	O/R	124.70
MOR4650053	465.00	475.60	5.30	29.20	33.40	O/R
MOR4650070	465.00	479.00	7.00	O/R	O/R	145.55
MOR4650090	465.00	483.00	9.00	63.30	72.40	O/R
MOR4660040	466.00	474.00	4.00	O/R	O/R	66.15
MOR4665065	466.50	479.50	6.50	41.20	47.05	O/R
MOR4670040	467.00	475.00	4.00	O/R	O/R	66.30
MOR4670057	467.00	478.40	5.70	37.65	43.05	O/R
MOR4680040	468.00	476.00	4.00	O/R	O/R	66.50
MOR4680060	468.00	480.00	6.00	O/R	O/R	144.25
MOR4680070	468.00	482.00	7.00	O/R	O/R	139.60
MOR4680100	468.00	488.00	10.00	O/R	O/R	O/R
MOR4690040	469.00	477.00	4.00	O/R	O/R	66.60
MOR4690063	469.00	481.70	6.35	O/R	O/R	150.70
MOR4690070	469.00	483.00	7.00	O/R	O/R	139.60
MOR4693057	469.30	480.70	5.70	37.65	43.05	109.65
MOR4695064	469.50	482.30	6.40	41.20	47.05	O/R
MOR4700025	470.00	475.00	2.50	35.55	40.60	76.60
MOR4700030	470.00	476.00	3.00	O/R	O/R	52.50
MOR4700040	470.00	478.00	4.00	28.45	32.50	66.75
MOR4700050	470.00	480.00	5.00	37.95	43.35	O/R
MOR4700060	470.00	482.00	6.00	O/R	O/R	114.10
MOR4700070	470.00	484.00	7.00	O/R	O/R	146.70
MOR4700080	470.00	486.00	8.00	49.10	56.15	169.55
MOR4700100	470.00	490.00	10.00	77.65	88.75	O/R
MOR4710040	471.00	479.00	4.00	O/R	O/R	67.00

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4720040	472.00	480.00	4.00	O/R	O/R	67.10
MOR4720060	472.00	484.00	6.00	O/R	O/R	114.75
MOR4720100	472.00	492.00	10.00	O/R	O/R	O/R
MOR4730040	473.00	481.00	4.00	O/R	O/R	67.20
MOR4740040	474.00	482.00	4.00	O/R	O/R	67.30
MOR4740120	474.00	498.00	12.00	O/R	O/R	O/R
MOR4743057	474.30	485.70	5.70	40.85	46.65	O/R
MOR4750030	475.00	481.00	3.00	O/R	O/R	84.80
MOR4750040	475.00	483.00	4.00	O/R	O/R	67.45
MOR4750050	475.00	485.00	5.00	40.65	46.45	91.70
MOR4750060	475.00	487.00	6.00	O/R	O/R	144.25
MOR4750070	475.00	489.00	7.00	43.85	50.10	148.20
MOR4750075	475.00	490.00	7.50	O/R	O/R	O/R
MOR4750080	475.00	491.00	8.00	O/R	O/R	170.05
MOR4750100	475.00	495.00	10.00	79.30	90.65	O/R
MOR4750150	475.00	505.00	15.00	91.20	104.20	O/R
MOR4760040	476.00	484.00	4.00	O/R	O/R	67.65
MOR4760070	476.00	490.00	7.00	O/R	O/R	166.25
MOR4770040	477.00	485.00	4.00	O/R	O/R	67.75
MOR4770080	477.00	493.00	8.00	O/R	O/R	O/R
MOR4780040	478.00	486.00	4.00	O/R	O/R	67.90
MOR4780050	478.00	488.00	5.00	40.65	46.45	124.70
MOR4780060	478.00	490.00	6.00	O/R	O/R	115.45
MOR4790040	479.00	487.00	4.00	O/R	O/R	68.00
MOR4790100	479.00	499.00	10.00	O/R	O/R	O/R
MOR4792057	479.20	490.60	5.70	O/R	O/R	98.75
MOR4793057	479.30	490.70	5.70	O/R	O/R	98.75
MOR4794047	479.42	488.92	4.75	O/R	O/R	117.00
MOR4800040	480.00	488.00	4.00	O/R	O/R	68.20
MOR4800050	480.00	490.00	5.00	O/R	O/R	124.70
MOR4800060	480.00	492.00	6.00	39.65	45.35	115.85
MOR4800070	480.00	494.00	7.00	O/R	O/R	148.90
MOR4800075	480.00	495.00	7.50	O/R	O/R	184.05
MOR4800080	480.00	496.00	8.00	50.20	57.40	O/R
MOR4800100	480.00	500.00	10.00	79.30	90.65	O/R
MOR4810035	481.00	488.10	3.55	39.30	44.90	O/R
MOR4810040	481.00	489.00	4.00	O/R	O/R	68.35
MOR4810070	481.00	495.00	7.00	O/R	O/R	142.60
MOR4810084	481.00	497.80	8.40	O/R	O/R	O/R
MOR4820040	482.00	490.00	4.00	O/R	O/R	68.45
MOR4820050	482.00	492.00	5.00	O/R	O/R	93.00
MOR4820070	482.00	496.00	7.00	O/R	O/R	142.70
MOR4830040	483.00	491.00	4.00	O/R	O/R	68.55
MOR4830060	483.00	495.00	6.00	O/R	O/R	116.60
MOR4830084	483.00	499.80	8.40	O/R	O/R	185.25
MOR4840040	484.00	492.00	4.00	O/R	O/R	68.80
MOR4840084	484.00	500.80	8.40	66.20	75.65	O/R
MOR4843057	484.30	495.70	5.70	44.00	50.25	O/R

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR4850030	485.00	491.00	3.00	O/R	O/R	86.55
MOR4850040	485.00	493.00	4.00	O/R	O/R	68.90
MOR4850050	485.00	495.00	5.00	43.20	49.35	128.00
MOR4850100	485.00	505.00	10.00	81.35	92.95	O/R
MOR4860040	486.00	494.00	4.00	O/R	O/R	69.00
MOR4860060	486.00	498.00	6.00	O/R	O/R	117.35
MOR4870040	487.00	495.00	4.00	O/R	O/R	69.10
MOR4870070	487.00	501.00	7.00	O/R	O/R	151.00
MOR4880040	488.00	496.00	4.00	O/R	O/R	69.35
MOR4880060	488.00	500.00	6.00	O/R	O/R	149.60
MOR4890040	489.00	497.00	4.00	39.30	44.90	69.45
MOR4890060	489.00	501.00	6.00	O/R	O/R	118.00
MOR4892057	489.20	500.60	5.70	O/R	O/R	135.70
MOR4900040	490.00	498.00	4.00	39.30	44.90	69.55
MOR4900050	490.00	500.00	5.00	34.55	39.50	128.00
MOR4900067	490.00	503.40	6.70	O/R	O/R	145.45
MOR4900070	490.00	504.00	7.00	O/R	O/R	170.65
MOR4900080	490.00	506.00	8.00	51.30	58.65	173.25
MOR4900084	490.00	506.80	8.40	O/R	O/R	O/R
MOR4900090	490.00	508.00	9.00	O/R	O/R	O/R
MOR4900100	490.00	510.00	10.00	81.35	92.95	O/R
MOR4910040	491.00	499.00	4.00	39.30	44.90	69.70
MOR4915040	491.50	499.50	4.00	39.30	44.90	69.95
MOR4920040	492.00	500.00	4.00	39.30	44.90	69.90
MOR4930040	493.00	501.00	4.00	O/R	O/R	70.00
MOR4930100	493.00	513.00	10.00	82.65	94.45	O/R
MOR4930127	493.00	518.40	12.70	O/R	O/R	O/R
MOR4940040	494.00	502.00	4.00	O/R	O/R	70.15
MOR4940045	494.00	503.00	4.50	43.20	49.35	O/R
MOR4940080	494.00	510.00	8.00	O/R	O/R	O/R
MOR4941084	494.10	510.90	8.40	68.60	78.35	O/R
MOR4950030	495.00	501.00	3.00	O/R	O/R	86.55
MOR4950040	495.00	503.00	4.00	O/R	O/R	70.25
MOR4950050	495.00	505.00	5.00	43.20	49.35	O/R
MOR4950070	495.00	509.00	7.00	47.80	54.60	152.50
MOR4950084	495.00	511.80	8.40	O/R	O/R	O/R
MOR4960040	496.00	504.00	4.00	O/R	O/R	70.45
MOR4960100	496.00	516.00	10.00	O/R	O/R	O/R
MOR4970040	497.00	505.00	4.00	O/R	O/R	70.60
MOR4980040	498.00	506.00	4.00	O/R	O/R	70.70
MOR4990040	499.00	507.00	4.00	O/R	O/R	70.45
MOR4990120	499.00	523.00	12.00	O/R	O/R	O/R
MOR4992057	499.20	510.60	5.70	45.45	51.95	102.25
MOR4993050	499.30	509.30	5.00	43.20	49.35	O/R
MOR4993057	499.30	510.70	5.70	45.45	51.95	102.25
MOR5000030	500.00	506.00	3.00	O/R	O/R	86.55
MOR5000040	500.00	508.00	4.00	39.30	44.90	70.65
MOR5000050	500.00	510.00	5.00	34.55	39.50	128.00

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR5000060	500.00	512.00	6.00	O/R	O/R	119.95
MOR5000070	500.00	514.00	7.00	O/R	O/R	154.10
MOR5000080	500.00	516.00	8.00	54.60	62.35	O/R
MOR5000084	500.00	516.80	8.40	O/R	O/R	O/R
MOR5000090	500.00	518.00	9.00	O/R	O/R	O/R
MOR5000100	500.00	520.00	10.00	O/R	O/R	O/R
MOR5000120	500.00	524.00	12.00	O/R	O/R	O/R
MOR5020080	502.00	518.00	8.00	O/R	O/R	O/R
MOR5030084	503.00	519.80	8.40	O/R	O/R	O/R
MOR5040050	504.00	514.00	5.00	O/R	O/R	131.35
MOR5040060	504.00	516.00	6.00	O/R	O/R	120.90
MOR5045080	504.50	520.50	8.00	O/R	O/R	O/R
MOR5050030	505.00	511.00	3.00	O/R	O/R	88.65
MOR5050040	505.00	513.00	4.00	O/R	O/R	112.15
MOR5050060	505.00	517.00	6.00	O/R	O/R	121.10
MOR5050070	505.00	519.00	7.00	O/R	O/R	149.10
MOR5070030	507.00	513.00	3.00	O/R	O/R	88.65
MOR5070070	507.00	521.00	7.00	O/R	O/R	149.10
MOR5070085	507.00	524.00	8.50	O/R	O/R	O/R
MOR5080040	508.00	516.00	4.00	O/R	O/R	112.15
MOR5080060	508.00	520.00	6.00	O/R	O/R	121.85
MOR5080096	508.00	527.20	9.60	O/R	O/R	O/R
MOR5080100	508.00	528.00	10.00	O/R	O/R	O/R
MOR5090035	509.00	516.00	3.50	O/R	O/R	106.90
MOR5100030	510.00	516.00	3.00	O/R	O/R	88.65
MOR5100035	510.00	517.00	3.50	O/R	O/R	98.85
MOR5100040	510.00	518.00	4.00	O/R	O/R	112.15
MOR5100050	510.00	520.00	5.00	O/R	O/R	131.35
MOR5100057	510.00	521.40	5.70	O/R	O/R	139.70
MOR5100060	510.00	522.00	6.00	O/R	O/R	122.30
MOR5100070	510.00	524.00	7.00	O/R	O/R	175.60
MOR5100090	510.00	528.00	9.00	O/R	O/R	O/R
MOR5100100	510.00	530.00	10.00	O/R	O/R	O/R
MOR5110088	511.00	528.60	8.80	O/R	O/R	O/R
MOR5120100	512.00	532.00	10.00	O/R	O/R	O/R
MOR5140084	514.00	530.80	8.40	O/R	O/R	O/R
MOR5150070	515.00	529.00	7.00	O/R	O/R	154.70
MOR5150080	515.00	531.00	8.00	O/R	O/R	O/R
MOR5160060	516.00	528.00	6.00	O/R	O/R	123.10
MOR5160062	516.00	528.40	6.20	O/R	O/R	158.80
MOR5160080	516.00	532.00	8.00	O/R	O/R	O/R
MOR5175070	517.50	531.50	7.00	O/R	O/R	151.10
MOR5180080	518.00	534.00	8.00	O/R	O/R	O/R
MOR5185030	518.50	524.50	3.00	O/R	O/R	88.65
MOR5190057	519.00	530.40	5.70	O/R	O/R	139.70
MOR5200040	520.00	528.00	4.00	O/R	O/R	102.55
MOR5200050	520.00	530.00	5.00	O/R	O/R	131.35
MOR5200070	520.00	534.00	7.00	O/R	O/R	175.60

Ref.Number	Nominal seal Dimensions			$ NBR70	$ NBR90	$ FPM
	d	D	S	/N	/N90	/V
MOR5200080	520.00	536.00	8.00	O/R	O/R	178.10
MOR5200100	520.00	540.00	10.00	O/R	O/R	O/R
MOR5220080	522.00	538.00	8.00	O/R	O/R	O/R
MOR5220084	522.00	538.80	8.40	O/R	O/R	O/R
MOR5220087	522.00	539.40	8.70	O/R	O/R	O/R
MOR5220100	522.00	542.00	10.00	O/R	O/R	O/R
MOR5245100	524.50	544.50	10.00	O/R	O/R	O/R
MOR5250030	525.00	531.00	3.00	O/R	O/R	O/R
MOR5250040	525.00	533.00	4.00	O/R	O/R	103.95
MOR5250050	525.00	535.00	5.00	O/R	O/R	134.85
MOR5250060	525.00	537.00	6.00	O/R	O/R	159.60
MOR5250120	525.00	549.00	12.00	O/R	O/R	O/R
MOR5270070	527.00	541.00	7.00	O/R	O/R	180.10
MOR5290030	529.00	535.00	3.00	O/R	O/R	90.75
MOR5293057	529.30	540.70	5.70	O/R	O/R	O/R
MOR5300030	530.00	536.00	3.00	O/R	O/R	90.75
MOR5300040	530.00	538.00	4.00	O/R	O/R	115.45
MOR5300050	530.00	540.00	5.00	O/R	O/R	134.85
MOR5300060	530.00	542.00	6.00	O/R	O/R	126.50
MOR5300070	530.00	544.00	7.00	O/R	O/R	162.05
MOR5300090	530.00	548.00	9.00	O/R	O/R	O/R
MOR5300100	530.00	550.00	10.00	O/R	O/R	O/R
MOR5320070	532.00	546.00	7.00	O/R	O/R	154.60
MOR5320084	532.00	548.80	8.40	O/R	O/R	O/R
MOR5320100	532.00	552.00	10.00	O/R	O/R	O/R
MOR5340057	534.00	545.40	5.70	O/R	O/R	143.20
MOR5350100	535.00	555.00	10.00	O/R	O/R	O/R
MOR5370070	537.00	551.00	7.00	O/R	O/R	179.30
MOR5370080	537.00	553.00	8.00	O/R	O/R	O/R
MOR5380030	538.00	544.00	3.00	O/R	O/R	90.75
MOR5380070	538.00	552.00	7.00	O/R	O/R	179.30
MOR5380080	538.00	554.00	8.00	O/R	O/R	O/R
MOR5380100	538.00	558.00	10.00	O/R	O/R	O/R
MOR5392057	539.20	550.60	5.70	O/R	O/R	143.20
MOR5400040	540.00	548.00	4.00	O/R	O/R	115.45
MOR5400045	540.00	549.00	4.50	O/R	O/R	115.55
MOR5400050	540.00	550.00	5.00	O/R	O/R	134.85
MOR5400060	540.00	552.00	6.00	O/R	O/R	128.10
MOR5400070	540.00	554.00	7.00	O/R	O/R	179.95
MOR5400080	540.00	556.00	8.00	O/R	O/R	182.25
MOR5400100	540.00	560.00	10.00	O/R	O/R	O/R
MOR5420070	542.00	556.00	7.00	O/R	O/R	183.15
MOR5420080	542.00	558.00	8.00	O/R	O/R	O/R
MOR5440060	544.00	556.00	6.00	O/R	O/R	129.00
MOR5450030	545.00	551.00	3.00	O/R	O/R	92.90
MOR5450050	545.00	555.00	5.00	O/R	O/R	138.05
MOR5450070	545.00	559.00	7.00	O/R	O/R	165.65
MOR5450080	545.00	561.00	8.00	O/R	O/R	O/R

METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR5450090	545.00	563.00	9.00	O/R	O/R	O/R
MOR5460070	546.00	560.00	7.00	O/R	O/R	158.10
MOR5490030	549.00	555.00	3.00	O/R	O/R	92.90
MOR5490060	549.00	561.00	6.00	O/R	O/R	130.20
MOR5500030	550.00	556.00	3.00	O/R	O/R	92.90
MOR5500040	550.00	558.00	4.00	O/R	O/R	118.95
MOR5500050	550.00	560.00	5.00	O/R	O/R	138.05
MOR5500070	550.00	564.00	7.00	O/R	O/R	O/R
MOR5500080	550.00	566.00	8.00	O/R	O/R	O/R
MOR5500084	550.00	566.80	8.40	O/R	O/R	O/R
MOR5500100	550.00	570.00	10.00	O/R	O/R	O/R
MOR5520060	552.00	564.00	6.00	O/R	O/R	130.20
MOR5520070	552.00	566.00	7.00	O/R	O/R	136.65
MOR5530084	553.00	569.80	8.40	O/R	O/R	O/R
MOR5540100	554.00	574.00	10.00	O/R	O/R	O/R
MOR5550050	555.00	565.00	5.00	O/R	O/R	138.05
MOR5550060	555.00	567.00	6.00	O/R	O/R	130.95
MOR5550070	555.00	569.00	7.00	O/R	O/R	O/R
MOR5550100	555.00	575.00	10.00	O/R	O/R	O/R
MOR5580030	558.00	564.00	3.00	O/R	O/R	92.90
MOR5580057	558.00	569.40	5.70	O/R	O/R	O/R
MOR5580070	558.00	572.00	7.00	O/R	O/R	161.30

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR5600030	560.00	566.00	3.00	O/R	O/R	92.90
MOR5600040	560.00	568.00	4.00	O/R	O/R	118.95
MOR5600043	560.00	568.70	4.35	O/R	O/R	123.55
MOR5600050	560.00	570.00	5.00	O/R	O/R	138.05
MOR5600060	560.00	572.00	6.00	O/R	O/R	132.10
MOR5600070	560.00	574.00	7.00	O/R	O/R	169.15
MOR5600080	560.00	576.00	8.00	O/R	O/R	O/R
MOR5600100	560.00	580.00	10.00	O/R	O/R	O/R
MOR5615085	561.50	578.50	8.50	O/R	O/R	O/R
MOR5620075	562.00	577.00	7.50	O/R	O/R	O/R
MOR5630100	563.00	583.00	10.00	O/R	O/R	O/R
MOR5650050	565.00	575.00	5.00	O/R	O/R	144.85
MOR5650057	565.00	576.40	5.70	O/R	O/R	159.10
MOR5650070	565.00	579.00	7.00	O/R	O/R	O/R
MOR5650080	565.00	581.00	8.00	O/R	O/R	O/R
MOR5660090	566.00	584.00	9.00	O/R	O/R	O/R
MOR5680030	568.00	574.00	3.00	O/R	O/R	66.15
MOR5680044	568.00	576.80	4.40	O/R	O/R	130.70
MOR5680060	568.00	580.00	6.00	O/R	O/R	170.95
MOR5680070	568.00	582.00	7.00	O/R	O/R	O/R
MOR5680080	568.00	584.00	8.00	O/R	O/R	O/R
MOR5690060	569.00	581.00	6.00	O/R	O/R	134.15



METRIC O'RING - NBR 70A, NBR 90A, FPM 80A

Ref.Number	Nominal seal Dimensions			$ NBR70 /N	$ NBR90 /N90	$ FPM /V
	d	D	S			
MOR5700030	570.00	576.00	3.00	O/R	O/R	99.75
MOR5700040	570.00	578.00	4.00	O/R	O/R	125.10
MOR5700050	570.00	580.00	5.00	O/R	O/R	O/R
MOR5700100	570.00	590.00	10.00	O/R	O/R	O/R
MOR5710100	571.00	591.00	10.00	O/R	O/R	O/R
MOR5715063	571.50	584.20	6.35	O/R	O/R	173.85
MOR5740070	574.00	588.00	7.00	O/R	O/R	165.15
MOR5750060	575.00	587.00	6.00	O/R	O/R	134.75
MOR5750080	575.00	591.00	8.00	O/R	O/R	O/R
MOR5760070	576.00	590.00	7.00	O/R	O/R	O/R
MOR5790060	579.00	591.00	6.00	O/R	O/R	135.70
MOR5800030	580.00	586.00	3.00	O/R	O/R	99.75
MOR5800050	580.00	590.00	5.00	O/R	O/R	144.85
MOR5800057	580.00	591.40	5.70	O/R	O/R	161.10
MOR5800070	580.00	594.00	7.00	O/R	O/R	173.10
MOR5800080	580.00	596.00	8.00	O/R	O/R	O/R
MOR5800090	580.00	598.00	9.00	O/R	O/R	O/R
MOR5800100	580.00	600.00	10.00	O/R	O/R	O/R
MOR5820070	582.00	596.00	7.00	O/R	O/R	168.10
MOR5820080	582.00	598.00	8.00	O/R	O/R	O/R
MOR5820120	582.00	606.00	12.00	O/R	O/R	O/R
MOR5830070	583.00	597.00	7.00	O/R	O/R	168.10
MOR5840084	584.00	600.80	8.40	O/R	O/R	O/R
MOR5850040	585.00	593.00	4.00	O/R	O/R	127.80
MOR5850050	585.00	595.00	5.00	O/R	O/R	147.60
MOR5850070	585.00	599.00	7.00	O/R	O/R	O/R
MOR5850080	585.00	601.00	8.00	O/R	O/R	O/R
MOR5860060	586.00	598.00	6.00	O/R	O/R	171.90
MOR5860100	586.00	606.00	10.00	O/R	O/R	O/R
MOR5880060	588.00	600.00	6.00	O/R	O/R	171.75
MOR5880063	588.00	600.70	6.35	O/R	O/R	177.20
MOR5890100	589.00	609.00	10.00	O/R	O/R	O/R
MOR5900030	590.00	596.00	3.00	O/R	O/R	102.55
MOR5900050	590.00	600.00	5.00	O/R	O/R	147.60
MOR5900085	590.00	607.00	8.50	O/R	O/R	O/R
MOR5900090	590.00	608.00	9.00	O/R	O/R	O/R
MOR5900120	590.00	614.00	12.00	O/R	O/R	O/R
MOR5920086	592.00	609.20	8.60	O/R	O/R	O/R
MOR5940057	594.00	605.40	5.70	O/R	O/R	164.40
MOR5950060	595.00	607.00	6.00	O/R	O/R	171.90
MOR5950080	595.00	611.00	8.00	O/R	O/R	O/R
MOR5960070	596.00	610.00	7.00	O/R	O/R	168.80
MOR5960090	596.00	614.00	9.00	O/R	O/R	O/R
MOR5970045	597.00	606.00	4.50	O/R	O/R	127.35
MOR5970070	597.00	611.00	7.00	O/R	O/R	168.80
MOR5980055	598.00	609.00	5.50	O/R	O/R	152.20
MOR5990073	599.00	613.60	7.30	O/R	O/R	O/R
MOR6000030	600.00	606.00	3.00	O/R	O/R	102.55
MOR6000050	600.00	610.00	5.00	O/R	O/R	147.60
MOR6000065	600.00	613.00	6.50	O/R	O/R	177.20
MOR6000070	600.00	614.00	7.00	O/R	O/R	178.00
MOR6000080	600.00	616.00	8.00	O/R	O/R	O/R
MOR6000100	600.00	620.00	10.00	O/R	O/R	O/R
MOR6000120	600.00	624.00	12.00	O/R	O/R	O/R

JAPANESE INDUSTRIAL STANDARD O'RING TO JIS B2401

JIS B 2401	Thickness W (mm)		Inner Diameter d (mm)	
P 3			2.8	±0.14
P 4			3.8	±0.14
P 5			4.8	±0.15
P 6			5.8	±0.15
P 7	1.9	±0.08	6.8	±0.16
P 8			7.8	±0.16
P 9			8.8	±0.17
P 10			9.8	±0.17
P 10A			9.8	±0.17
P 11			10.8	±0.18
P 11.2			11.0	±0.18
P 12			11.8	±0.19
P 12.5			12.3	±0.19
P 14			13.8	±0.19
P 15	2.4	±0.09	14.8	±0.20
P 16			15.8	±0.20
P 18			17.8	±0.21
P 20			19.8	±0.22
P 21			20.8	±0.23
P 22			21.8	±0.24
P 22A			21.7	±0.24
P 22.4			22.1	±0.24
P 24			23.7	±0.24
P 25			24.7	±0.25
P 25.5			25.2	±0.25
P 26			25.7	±0.26
P 28			27.7	±0.28
P 29			28.7	±0.29
P 29.5			29.2	±0.29
P 30			29.7	±0.29
P 31	3.5	±0.10	30.7	±0.30
P 31.5			31.2	±0.31
P 32			31.7	±0.31
P 34			33.7	±0.33
P 35			34.7	±0.34
P 35.5			35.2	±0.34
P 36			35.7	±0.34
P 38			37.7	±0.37
P 39			38.7	±0.37
P 40			39.7	±0.37
P 41			40.7	±0.38
P 42			41.7	±0.39
P 44			43.7	±0.41
P 45			44.7	±0.41
P 46			45.7	±0.42

JIS B 2401	Thickness W (mm)		Inner Diameter d (mm)	
P 48			47.7	±0.44
P 49	3.5	±0.10	48.7	±0.45
P 50			49.7	±0.45
P 48A			47.6	±0.45
P 50A			49.6	±0.45
P 52			51.6	±0.47
P 53			52.6	±0.48
P 55			54.6	±0.49
P 56			55.6	±0.50
P 58			57.6	±0.52
P 60			59.6	±0.53
P 62			61.6	±0.55
P 63			62.6	±0.56
P 65			64.6	±0.57
P 67			66.6	±0.59
P 70			69.6	±0.61
P 71			70.6	±0.62
P 75			74.6	±0.65
P 80	5.7	±0.13	79.6	±0.69
P 85			84.6	±0.73
P 90			89.6	±0.77
P 95			94.6	±0.81
P 100			99.6	±0.84
P 102			101.6	±0.85
P 105			104.6	±0.87
P 110			109.6	±0.91
P 112			111.6	±0.92
P 115			114.6	±0.94
P 120			119.6	±0.98
P 125			124.6	±1.01
P 130			129.6	±1.05
P 132			131.6	±1.06
P 135			134.6	±1.09
P 140			139.6	±1.12
P 145			144.6	±1.16
P 150			149.6	±1.19
P 150A			149.5	±1.19
P 155			154.5	±1.23
P 160			159.5	±1.26
P 165			164.5	±1.30
P 170			169.5	±1.33
	8.4	±0.15		
P 175			174.5	±1.37
P 180			179.5	±1.40
P 185			184.5	±1.44
P 190			189.5	±1.48
P 195			194.5	±1.51

JIS B 2401	Thickness W (mm)		Inner Diameter d (mm)	
P 200			199.5	±1.55
P 205			204.5	±1.58
P 209			208.5	±1.61
P 210			209.5	±1.62
P 215			214.5	±1.65
P 220			219.5	±1.68
P 225			224.5	±1.71
P 230			229.5	±1.75
P 235			234.5	±1.78
P 240			239.5	±1.81
P 245	8.4	±0.15	244.5	±1.84
P 250			249.5	±1.88
P 255			254.5	±1.91
P 260			259.5	±1.94
P 265			264.5	±1.97
P 270			269.5	±2.01
P 275			274.5	±2.04
P 280			279.5	±2.07
P 285			284.5	±2.10
P 290			289.5	±2.14
P 295			294.5	±2.17
P 300			299.5	±2.20
P 315			314.5	±2.30
P 320			319.5	±2.33
P 335			334.5	±2.42
P 340			339.5	±2.45
P 355			354.5	±2.54
P 360			359.5	±2.57
P 375			374.5	±2.67
P 385			384.5	±2.73
P 400			399.5	±2.82
G 25			24.4	±0.25
G 30			29.4	±0.29
G 35			34.4	±0.33
G 40			39.4	±0.37
G 45			44.4	±0.41
G 50			49.4	±0.45
G 55			54.4	±0.49
G 60			50.4	±0.53
G 65			64.4	±0.57
G 70			69.4	±0.61
G 75			74.4	±0.65
G 80			79.4	±0.69
G 85	3.1	±0.10	84.4	±0.73
G 90			89.4	±0.77
G 95			94.4	±0.81

JAPANESE INDUSTRIAL STANDARD O'RING TO JIS B2401

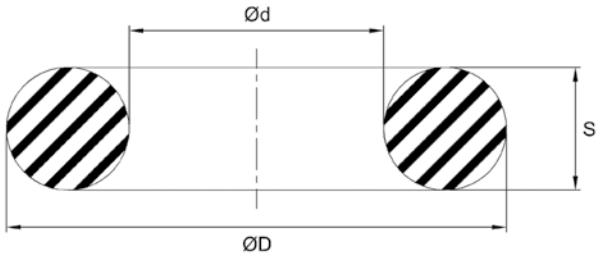
JIS B 2401	Thickness W (mm)		Inner Diameter d (mm)		JIS B 2401	Thickness W (mm)		Inner Diameter d (mm)		JIS B 2401	Thickness W (mm)		Inner Diameter d (mm)	
G 100			99.4	±0.85	G 200			199.3	±1.55	G 300			299.3	±2.20
G 105			104.4	±0.87	G 205			204.3	±1.58	G 305			304.3	±2.24
G 110			109.4	±0.91	G 210			209.3	±1.61	G 310			309.3	±2.27
G 115			114.4	±0.94	G 215			214.3	±1.64	G 315			314.3	±2.30
G 120			119.4	±0.98	G 220			219.3	±1.68	G 320			319.3	±2.33
	3.1	±0.10												
G 125			124.4	±1.01	G 225			224.3	±1.71	G 325			324.3	±2.36
G 130			129.4	±1.05	G 230			229.3	±1.73	G 330			329.3	±2.39
G 135			134.4	±1.08	G 235	5.7	±0.13	234.3	±1.77	G 335	5.7	±0.13	334.3	±2.42
G 140			139.4	±1.12	G 240			239.3	±1.81	G 340			339.3	±2.45
G 145			144.4	±1.16	G 245			244.3	±1.84	G 345			344.3	±2.48
G 150			149.3	±1.19	G 250			249.3	±1.88	G 350			349.3	±2.51
G 155			154.3	±1.23	G 255			254.3	±1.91	G 355			354.3	±2.54
G 160			159.3	±1.26	G 260			259.3	±1.94	G 360			359.3	±2.57
G 165			164.3	±1.30	G 265			264.3	±1.97	G 365			364.3	±2.60
G 170			169.3	±1.33	G 270			269.3	±2.01	G 370			369.3	±2.63
G 175			174.3	±1.37	G 275			274.3	±2.04	G 375			374.3	±2.67
G 180			179.3	±1.40	G 280			279.3	±2.07	G 380			379.3	±2.70
G 185	5.7	±0.13	184.3	±1.44	G 285			284.3	±2.10	G 385			384.3	±2.73
G 190			189.3	±1.47	G 290			289.3	±2.14	G 390			389.3	±2.76
G 195			194.3	±1.51	G 295			294.3	±2.17	G 395			394.3	±2.79
										G 400			399.3	±2.82



METRIC O'RINGS

Nitrile NBR 90A





Temperature: -30/250F [-34/121C] **Pressure:**

Ref.Number	Nominal Bearing Dimensions			$	Ref.Number	Nominal Bearing Dimensions			$
	d	D	S			d	D	S	
MOR0028019/N90	2.80	6.60	1.90	0.15	MOR0344031/N90	34.40	40.60	3.10	0.40
MOR0038019/N90	3.80	7.60	1.90	0.15	MOR0347035/N90	34.70	41.70	3.50	0.55
MOR0048019/N90	4.80	8.60	1.90	0.15	MOR0352035/N90	35.20	42.20	3.50	0.60
MOR0058019/N90	5.80	9.60	1.90	0.15	MOR0357035/N90	35.70	42.70	3.50	0.60
MOR0068019/N90	6.80	10.60	1.90	0.15	MOR0377035/N90	37.70	44.70	3.50	0.65
MOR0078019/N90	7.80	11.60	1.90	0.15	MOR0387035/N90	38.70	45.70	3.50	0.65
MOR0088019/N90	8.80	12.60	1.90	0.20	MOR0394031/N90	39.40	45.60	3.10	0.50
MOR0098019/N90	9.80	13.60	1.90	0.20	MOR0397035/N90	39.70	46.70	3.50	0.65
MOR0098024/N90	9.80	14.60	2.40	0.25	MOR0407035/N90	40.70	47.70	3.50	0.70
MOR0108024/N90	10.80	15.60	2.40	0.25	MOR0414031/N90	41.40	47.60	3.10	0.55
MOR0110024/N90	11.00	15.80	2.40	0.30	MOR0417035/N90	41.70	48.70	3.50	0.70
MOR0118024/N90	11.80	16.60	2.40	0.40	MOR0437035/N90	43.70	50.70	3.50	0.75
MOR0123024/N90	12.30	17.10	2.40	0.40	MOR0444031/N90	44.40	50.60	3.10	0.55
MOR0138024/N90	13.80	18.60	2.40	0.45	MOR0447035/N90	44.70	51.70	3.50	0.85
MOR0148024/N90	14.80	19.60	2.40	0.45	MOR0457035/N90	45.70	52.70	3.50	0.85
MOR0158024/N90	15.80	20.60	2.40	0.45	MOR0476057/N90	47.60	59.00	5.70	1.70
MOR0168024/N90	16.80	21.60	2.40	0.45	MOR0477035/N90	47.70	54.70	3.50	0.90
MOR0178024/N90	17.80	22.60	2.40	0.45	MOR0487035/N90	48.70	55.70	3.50	0.95
MOR0188024/N90	18.80	23.60	2.40	0.45	MOR0494031/N90	49.40	55.60	3.10	0.75
MOR0198024/N90	19.80	24.60	2.40	0.45	MOR0496057/N90	49.60	61.00	5.70	2.05
MOR0208024/N90	20.80	25.60	2.40	0.50	MOR0497035/N90	49.70	56.70	3.50	1.00
MOR0217035/N90	21.70	28.70	3.50	0.40	MOR0516057/N90	51.60	63.00	5.70	2.25
MOR0218024/N90	21.80	26.60	2.40	0.50	MOR0526057/N90	52.60	64.00	5.70	2.45
MOR0221035/N90	22.10	29.10	3.50	0.40	MOR0544031/N90	54.40	60.60	3.10	0.85
MOR0237035/N90	23.70	30.70	3.50	0.40	MOR0546057/N90	54.60	66.00	5.70	2.60
MOR0244031/N90	24.40	30.60	3.10	0.30	MOR0556057/N90	55.60	67.00	5.70	2.60
MOR0247035/N90	24.70	31.70	3.50	0.40	MOR0574031/N90	57.40	63.60	3.10	0.95
MOR0252035/N90	25.20	32.20	3.50	0.45	MOR0576057/N90	57.60	69.00	5.70	2.80
MOR0257035/N90	25.70	32.70	3.50	0.45	MOR0594031/N90	59.40	65.60	3.10	0.95
MOR0277035/N90	27.70	34.70	3.50	0.45	MOR0596057/N90	59.60	71.00	5.70	3.00
MOR0287035/N90	28.70	35.70	3.50	0.50	MOR0616057/N90	61.60	73.00	5.70	3.00
MOR0292035/N90	29.20	36.20	3.50	0.50	MOR0626057/N90	62.60	74.00	5.70	3.00
MOR0294031/N90	29.40	35.60	3.10	0.35	MOR0644031/N90	64.40	70.60	3.10	1.15
MOR0297035/N90	29.70	36.70	3.50	0.50	MOR0646057/N90	64.60	76.00	5.70	3.15
MOR0307035/N90	30.70	37.70	3.50	0.50	MOR0666057/N90	66.60	78.00	5.70	3.35
MOR0312035/N90	31.20	38.20	3.50	0.55	MOR0676057/N90	67.60	79.00	5.70	3.35
MOR0317035/N90	31.70	38.70	3.50	0.55	MOR0694031/N90	69.40	75.60	3.10	1.30
MOR0337035/N90	33.70	40.70	3.50	0.55	MOR0696057/N90	69.60	81.00	5.70	3.35

METRIC O'RING - NBR 90A

Ref.Number	Nominal Bearing Dimensions			$
	d	D	S	
MOR0706057/N90	70.60	82.00	5.70	3.55
MOR0744031/N90	74.40	80.60	3.10	1.40
MOR0746057/N90	74.60	86.00	5.70	3.55
MOR0794031/N90	79.40	85.60	3.10	1.50
MOR0796057/N90	79.60	91.00	5.70	3.70
MOR0844031/N90	84.40	90.60	3.10	1.60
MOR0846057/N90	84.60	96.00	5.70	3.90
MOR0894031/N90	89.40	95.60	3.10	1.80
MOR0896057/N90	89.60	101.00	5.70	4.10
MOR0944031/N90	94.40	100.60	3.10	1.85
MOR0946057/N90	94.60	106.00	5.70	4.30
MOR0994031/N90	99.40	105.60	3.10	1.95
MOR0996057/N90	99.60	111.00	5.70	4.45
MOR1016057/N90	101.60	113.00	5.70	4.65
MOR1044031/N90	104.40	110.60	3.10	2.05
MOR1046057/N90	104.60	116.00	5.70	4.85
MOR1094031/N90	109.40	115.60	3.10	2.25
MOR1096057/N90	109.60	121.00	5.70	5.00
MOR1116057/N90	111.60	123.00	5.70	5.20
MOR1144031/N90	114.40	120.60	3.10	2.35
MOR1146057/N90	114.60	126.00	5.70	5.55
MOR1194031/N90	119.40	125.60	3.10	2.45
MOR1196057/N90	119.60	131.00	5.70	5.75
MOR1244031/N90	124.40	130.60	3.10	2.50
MOR1246057/N90	124.60	136.00	5.70	5.95
MOR1294031/N90	129.40	135.60	3.10	2.70
MOR1296057/N90	129.60	141.00	5.70	6.30
MOR1316057/N90	131.60	143.00	5.70	6.50
MOR1344031/N90	134.40	140.60	3.10	2.80
MOR1346057/N90	134.60	146.00	5.70	6.70
MOR1394031/N90	139.40	145.60	3.10	2.90
MOR1396057/N90	139.60	151.00	5.70	6.85
MOR1444031/N90	144.40	150.60	3.10	3.15
MOR1446057/N90	144.60	156.00	5.70	7.05
MOR1493057/N90	149.60	161.00	5.70	7.40
MOR1494031/N90	149.40	155.60	3.10	9.50
MOR1495084/N90	149.50	166.30	8.40	10.20
MOR1543057/N90	154.30	165.70	5.70	7.95
MOR1544031/N90	154.40	160.60	3.10	9.85
MOR1545084/N90	154.50	171.30	8.40	11.10
MOR1593057/N90	159.30	170.70	5.70	8.15
MOR1594031/N90	159.40	165.60	3.10	9.85
MOR1595084/N90	159.50	176.30	8.40	12.05
MOR1643057/N90	164.30	175.70	5.70	8.35
MOR1644031/N90	164.40	170.60	3.10	10.15
MOR1645084/N90	164.50	181.30	8.40	12.95
MOR1693057/N90	169.30	180.70	5.70	8.55
MOR1694031/N90	169.40	175.60	3.10	10.15

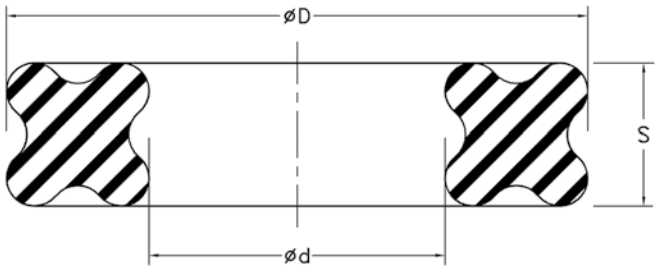
Ref.Number	Nominal Bearing Dimensions			$
	d	D	S	
MOR1695084/N90	169.50	186.30	8.40	13.90
MOR1743057/N90	174.30	185.70	5.70	8.80
MOR1744031/N90	174.40	180.60	3.10	10.45
MOR1745084/N90	174.50	191.30	8.40	14.80
MOR1793057/N90	179.30	190.70	5.70	9.20
MOR1794031/N90	179.40	185.60	3.10	10.45
MOR1795084/N90	179.50	196.30	8.40	15.75
MOR1843057/N90	184.30	195.70	5.70	9.40
MOR1844031/N90	184.40	190.60	3.10	10.75
MOR1845084/N90	184.50	201.30	8.40	16.65
MOR1893057/N90	189.30	200.70	5.70	9.80
MOR1894031/N90	189.40	195.60	3.10	11.10
MOR1895084/N90	189.50	206.30	8.40	16.65
MOR1943057/N90	194.30	205.70	5.70	10.00
MOR1944031/N90	194.40	200.60	3.10	11.40
MOR1945084/N90	194.50	211.30	8.40	17.15
MOR1993057/N90	199.30	210.70	5.70	12.95
MOR1994031/N90	199.40	205.60	3.10	12.05
MOR1995084/N90	199.50	216.30	8.40	17.60
MOR2044031/N90	204.40	210.60	3.10	19.00
MOR2045084/N90	204.50	221.30	8.40	18.05
MOR2085084/N90	208.50	225.30	8.40	18.50
MOR2093057/N90	209.30	220.70	5.70	14.25
MOR2094031/N90	209.40	215.60	3.10	20.55
MOR2095084/N90	209.50	226.30	8.40	19.00
MOR2143057/N90	214.30	225.70	5.70	15.55
MOR2144031/N90	214.40	220.60	3.10	21.20
MOR2145084/N90	214.50	231.30	8.40	19.45
MOR2193057/N90	219.30	230.70	5.70	15.55
MOR2194031/N90	219.40	225.60	3.10	21.85
MOR2195084/N90	219.50	236.30	8.40	19.90
MOR2243057/N90	224.30	235.70	5.70	16.85
MOR2244031/N90	224.40	230.60	3.10	22.45
MOR2245084/N90	224.50	241.30	8.40	20.35
MOR2293057/N90	229.30	240.70	5.70	16.85
MOR2294031/N90	229.40	235.60	3.10	23.40
MOR2295084/N90	229.50	246.30	8.40	20.85
MOR2343057/N90	234.30	245.70	5.70	18.15
MOR2344031/N90	234.40	240.60	3.10	24.35
MOR2345084/N90	234.50	251.30	8.40	21.30
MOR2393057/N90	239.30	250.70	5.70	18.15
MOR2394031/N90	239.40	245.60	3.10	25.00
MOR2395084/N90	239.50	256.30	8.40	21.75
MOR2444031/N90	244.40	250.60	3.10	25.30
MOR2445084/N90	244.50	261.30	8.40	22.20
MOR2493057/N90	249.30	260.70	5.70	19.45
MOR2494031/N90	249.40	255.60	3.10	25.60
MOR2495084/N90	249.50	266.30	8.40	22.70

Ref.Number	Nominal Bearing Dimensions			$
	d	D	S	
MOR2543057/N90	254.30	265.70	5.70	20.75
MOR2544031/N90	254.40	260.60	3.10	26.25
MOR2545084/N90	254.50	271.30	8.40	23.15
MOR2593057/N90	259.30	270.70	5.70	20.75
MOR2594031/N90	259.40	265.60	3.10	26.90
MOR2595084/N90	259.50	276.30	8.40	23.60
MOR2644031/N90	264.40	270.60	3.10	27.20
MOR2645084/N90	264.50	281.30	8.40	24.05
MOR2693057/N90	269.30	280.70	5.70	22.00
MOR2694031/N90	269.40	275.60	3.10	27.70
MOR2695084/N90	269.50	286.30	8.40	25.00
MOR2744031/N90	274.40	280.60	3.10	27.85
MOR2745084/N90	274.50	291.30	8.40	27.75
MOR2793057/N90	279.30	290.70	5.70	23.30
MOR2794031/N90	279.40	285.60	3.10	29.40
MOR2795084/N90	279.50	296.30	8.40	28.70
MOR2843057/N90	284.30	295.70	5.70	24.60
MOR2844031/N90	284.40	290.60	3.10	29.75
MOR2845084/N90	284.50	301.30	8.40	29.60
MOR2893057/N90	289.30	300.70	5.70	24.60
MOR2894031/N90	289.40	295.60	3.10	30.05
MOR2895084/N90	289.50	306.30	8.40	30.55
MOR2944031/N90	294.40	300.60	3.10	31.30
MOR2945084/N90	294.50	311.30	8.40	31.45
MOR2993057/N90	299.30	310.70	5.70	25.90
MOR2994031/N90	299.40	305.60	3.10	31.30
MOR2995084/N90	299.50	316.30	8.40	32.40
MOR3044031/N90	304.40	310.60	3.10	31.95
MOR3094031/N90	309.40	315.60	3.10	33.20
MOR3144031/N90	314.40	320.60	3.10	33.85
MOR3145084/N90	314.50	331.30	8.40	35.15
MOR3194031/N90	319.40	325.60	3.10	34.50
MOR3195084/N90	319.50	336.30	8.40	37.00
MOR3244031/N90	324.40	330.60	3.10	35.40
MOR3294031/N90	329.40	335.60	3.10	36.05
MOR3344031/N90	334.40	340.60	3.10	36.35
MOR3345084/N90	334.50	351.30	8.40	40.70
MOR3394031/N90	339.40	345.60	3.10	37.00
MOR3395084/N90	339.50	356.30	8.40	44.40
MOR3444031/N90	344.40	350.60	3.10	37.30
MOR3494031/N90	349.40	355.60	3.10	37.95
MOR3544031/N90	354.40	360.60	3.10	38.90
MOR3545084/N90	354.50	371.30	8.40	48.10
MOR3594031/N90	359.40	365.60	3.10	39.70
MOR3595084/N90	359.50	376.30	8.40	51.80
MOR3644031/N90	364.40	370.60	3.10	40.50
MOR3694031/N90	369.40	375.60	3.10	41.30
MOR3744031/N90	374.40	380.60	3.10	42.10
MOR3745084/N90	374.50	391.30	8.40	55.50
MOR3794031/N90	379.40	385.60	3.10	42.85
MOR3844031/N90	384.40	390.60	3.10	43.65
MOR3845084/N90	384.50	401.30	8.40	60.10
MOR3894031/N90	389.40	395.60	3.10	44.50
MOR3944031/N90	394.40	400.60	3.10	45.25
MOR3994031/N90	399.40	405.60	3.10	46.05
MOR3995084/N90	399.50	416.30	8.40	64.75
MOR4044031/N90	404.40	410.60	3.10	O/R

QUAD RINGS

Nitrile NBR 70A





Temperature: -30/250F [-34/121C] **Pressure:**

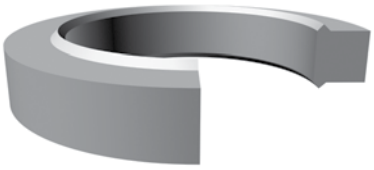
Ref.Number	JF4	Nominal Seal Dimensions			Ref.Number	JF4	Nominal Seal Dimensions		
		d	D	S			d	D	S
QR0029017/N	1	2.90	6.46	1.78	QR0313035/N	23	31.34	38.40	3.53
QR0036017/N	2	3.68	7.24	1.78	QR0320035/N	23A	32.04	39.10	3.53
QR0044017/N	3	4.47	8.03	1.78	QR0329035/N	24	32.92	39.98	3.53
QR0046017/N	3A	4.62	8.18	1.78	QR0338035/N	24A	33.80	40.86	3.53
QR0052017/N	4	5.28	8.84	1.78	QR0345035/N	25	34.52	41.58	3.53
QR0057017/N	4A	5.70	9.26	1.78	QR0360035/N	26	36.09	43.15	3.53
QR0060017/N	5	6.07	9.63	1.78	QR0376035/N	27	37.69	44.75	3.53
QR0066017/N	5A	6.65	10.21	1.78	QR0374053/N	28	37.47	48.13	5.33
QR0076017/N	6	7.65	11.21	1.78	QR0396053/N	28A	39.64	50.30	5.33
QR0087017/N	6A	8.70	12.26	1.78	QR0406053/N	29	40.64	51.30	5.33
QR0092017/N	7	9.25	12.81	1.78	QR0418053/N	29A	41.80	52.46	5.33
QR0097017/N	7A	9.70	13.26	1.78	QR0438053/N	30	43.82	54.48	5.33
QR0091026/N	8	9.19	14.43	2.62	QR0450053/N	30A	45.04	55.70	5.33
QR0098026/N	8A	9.80	15.04	2.62	QR0458053/N	30B	45.84	56.50	5.33
QR0107026/N	9	10.77	16.01	2.62	QR0469053/N	31	46.99	57.65	5.33
QR0117026/N	9A	11.70	16.94	2.62	QR0478053/N	31A	47.80	58.46	5.33
QR0123026/N	10	12.37	17.61	2.62	QR0501053/N	32	50.17	60.83	5.33
QR0128026/N	10A	12.80	18.04	2.62	QR0520053/N	32A	52.00	62.66	5.33
QR0137026/N	10B	13.70	18.94	2.62	QR0533053/N	33	53.34	64.00	5.33
QR0139026/N	11	13.94	19.18	2.62	QR0545053/N	33A	54.50	65.16	5.33
QR0147026/N	11A	14.70	19.94	2.62	QR0565053/N	34	56.52	67.18	5.33
QR0155026/N	12	15.54	20.78	2.62	QR0575053/N	34A	57.52	68.18	5.33
QR0171026/N	13	17.12	22.36	2.62	QR0596053/N	35	59.69	70.35	5.33
QR0177026/N	13A	17.75	22.99	2.62	QR0615053/N	35A	61.54	72.20	5.33
QR0187026/N	14	18.72	23.96	2.62	QR0628053/N	36	62.87	73.53	5.33
QR0196026/N	14A	19.60	24.84	2.62	QR0645053/N	36A	64.59	75.25	5.33
QR0186035/N	15	18.64	25.70	3.53	QR0660053/N	37	66.04	76.70	5.33
QR0202035/N	16	20.22	27.28	3.53	QR0676053/N	37A	67.64	78.30	5.33
QR0209035/N	16A	20.90	27.96	3.53	QR0692053/N	38	69.22	79.88	5.33
QR0218035/N	17	21.82	28.88	3.53	QR0706053/N	38A	70.64	81.30	5.33
QR0233035/N	18	23.39	30.45	3.53	QR0723053/N	39	72.39	83.05	5.33
QR0239035/N	18A	23.99	31.05	3.53	QR0738053/N	39A	73.84	84.50	5.33
QR0249035/N	19	24.99	32.05	3.53	QR0755053/N	40	75.57	86.23	5.33
QR0259035/N	19A	25.90	32.96	3.53	QR0787053/N	41	78.74	89.40	5.33
QR0265035/N	20	26.57	33.63	3.53	QR0800053/N	41A	80.09	90.75	5.33
QR0275035/N	20A	27.57	34.63	3.53	QR0819053/N	42	81.92	92.58	5.33
QR0281035/N	21	28.17	35.23	3.53	QR0833053/N	42A	83.39	94.05	5.33
QR0297035/N	22	29.74	36.80	3.53	QR0850053/N	43	85.09	95.75	5.33

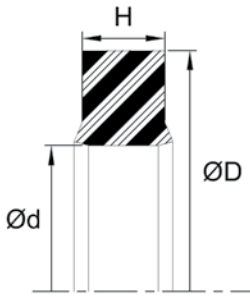
QUAD RINGS - NBR 70A

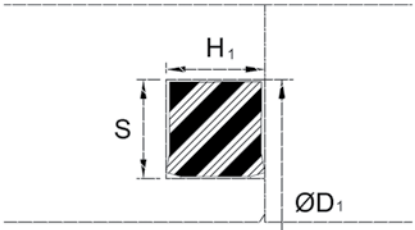
Ref.Number	JF4	Nominal Seal Dimensions			Ref.Number	JF4	Nominal Seal Dimensions		
		d	D	S			d	D	S
QR0866053/N	43A	86.64	97.30	5.33	QR1962069/N	71	196.22	210.20	6.99
QR0882053/N	44	88.27	98.93	5.33	QR1990069/N	71A	199.02	213.00	6.99
QR0895053/N	44A	89.59	100.25	5.33	QR2025069/N	72	202.57	216.55	6.99
QR0914053/N	45	91.44	102.10	5.33	QR2068069/N	72A	206.80	220.78	6.99
QR0946053/N	46	94.62	105.28	5.33	QR2110069/N	72B	211.02	225.00	6.99
QR0979053/N	47	97.99	108.65	5.33	QR2152069/N	73	215.27	229.25	6.99
QR1009053/N	48	100.97	111.63	5.33	QR2190069/N	73A	219.02	233.00	6.99
QR1023053/N	48A	102.34	113.00	5.33	QR2235069/N	73B	223.50	237.48	6.99
QR1041053/N	49	104.14	114.80	5.33	QR2279069/N	74	227.97	241.95	6.99
QR1058053/N	49A	105.80	116.46	5.33	QR2310069/N	74A	231.02	245.00	6.99
QR1073053/N	50	107.32	117.98	5.33	QR2350069/N	74B	235.00	248.98	6.99
QR1104053/N	51	110.49	121.15	5.33	QR2406069/N	75	240.67	254.65	6.99
QR1136069/N	52	113.67	124.33	6.99	QR2430069/N	75A	243.02	257.00	6.99
QR1136069/N	88	113.67	127.65	6.99	QR2480069/N	75B	248.00	261.98	6.99
QR1158069/N	52A	115.84	129.82	6.99	QR2533069/N	76	253.37	267.35	6.99
QR1168069/N	53	116.84	130.82	6.99	QR2590069/N	76A	259.00	272.98	6.99
QR1200069/N	54	120.02	134.00	6.99	QR2660069/N	77	266.07	280.05	6.99
QR1231069/N	55	123.19	137.17	6.99	QR2731069/N	77A	273.10	287.08	6.99
QR1263069/N	56	126.37	140.35	6.99	QR2787069/N	78	278.77	292.75	6.99
QR1295069/N	57	129.54	143.52	6.99	QR2840069/N	78A	284.00	297.98	6.99
QR1327069/N	58	132.72	146.70	6.99	QR2875069/N	78B	287.50	301.48	6.99
QR1358069/N	59	135.89	149.87	6.99	QR2914069/N	79	291.47	305.45	6.99
QR1390069/N	60	139.07	153.05	6.99	QR2980069/N	79A	298.00	311.98	6.99
QR1422069/N	61	142.24	156.22	6.99	QR3041069/N	80	304.17	318.15	6.99
QR1454069/N	62	145.42	159.40	6.99	QR3100069/N	80A	310.00	323.98	6.99
QR1485069/N	63	148.59	162.57	6.99	QR3168069/N	81	316.87	330.85	6.99
QR1517069/N	64	151.77	165.75	6.99	QR3235069/N	81A	323.50	337.48	6.99
QR1550069/N	64A	155.02	169.00	6.99	QR3295069/N	82	329.57	343.55	6.99
QR1581069/N	65	158.12	172.10	6.99	QR3365069/N	82A	336.50	350.48	6.99
QR1610069/N	65A	161.02	175.00	6.99	QR3422069/N	83	342.27	356.25	6.99
QR1644069/N	66	164.47	178.45	6.99	QR3485069/N	83A	348.50	362.48	6.99
QR1670069/N	66A	167.02	181.00	6.99	QR3549069/N	84	354.97	368.95	6.99
QR1708069/N	67	170.82	184.80	6.99	QR3625069/N	84A	362.50	376.48	6.99
QR1735069/N	67A	173.52	187.50	6.99	QR3676069/N	85	367.67	381.65	6.99
QR1771069/N	68	177.17	191.15	6.99	QR3740069/N	85A	374.00	387.98	6.99
QR1805069/N	68A	180.52	194.50	6.99	QR3803069/N	86	380.37	394.35	6.99
QR1835069/N	69	183.52	197.50	6.99	QR3875069/N	86A	387.50	401.48	6.99
QR1860069/N	69A	186.02	200.00	6.99	QR3930069/N	87	393.07	407.05	6.99
QR1898069/N	70	189.87	203.85	6.99	QR4010069/N	87A	401.00	414.98	6.99
QR1920069/N	70A	192.02	206.00	6.99					

OV - Flange Seals

Polyurethane AU 93A







Temperature: -40/220F [-40/104C] **Pressure: 3000 PSI [207 BAR]**

Ref.Number	Nominal SAE Flange Size		Nominal Seal Dimensions			Housing Dimensions						$
	mm	Inch	d	D	H	D1	Tol.	S	Tol.	H1	Tol.	
OV1704P5008	12.70	0.50	17.00	25.40	2.85	25.40	+0.10 / -0.10	4.20	+0.25 / -0.25	2.85	+0.05 / -0.05	7.60
OV2308P5008	19.05	0.75	23.40	31.80	2.85	31.80	+0.10 / -0.10	4.20	+0.25 / -0.25	2.85	+0.05 / -0.05	3.50
OV2630P5008			26.30	33.50	2.20	33.50	+0.10 / -0.10	3.60	+0.25 / -0.25	2.20	+0.05 / -0.05	9.85
OV3106P5008	25.40	1.00	31.30	39.70	2.85	39.70	+0.10 / -0.10	4.20	+0.25 / -0.25	2.85	+0.05 / -0.05	3.50
OV3605P5008	31.75	1.25	36.10	44.50	2.85	44.50	+0.10 / -0.10	4.20	+0.25 / -0.25	2.85	+0.05 / -0.05	3.30
OV3606P5008			36.20	45.00	3.30	45.00	+0.10 / -0.10	4.40	+0.25 / -0.25	3.30	+0.05 / -0.05	21.30
OV4527P5008	38.10	1.50	45.40	53.80	2.85	53.80	+0.10 / -0.10	4.20	+0.25 / -0.25	2.85	+0.05 / -0.05	4.55
OV5540P5008	50.40	2.00	55.00	63.40	2.85	63.40	+0.10 / -0.10	4.20	+0.25 / -0.25	2.85	+0.05 / -0.05	8.05

O'RING CORD

	Material	Prefix	Cord Cross Section															
			1.00	1.50	1.60	2.00	2.40	2.50	3.00	3.50	4.00	4.50	5.00	5.70	6.00	6.50	7.00	7.50
●	NBR 70A	MOC/N	0.80	0.45	0.45	0.50	0.55	0.65	0.65	0.75	0.80	0.85	1.00	1.05	1.10	1.20	1.30	1.40
●	FPM 75A	MOC/V	1.90	2.15	2.15	2.35	2.50	2.60	3.30	3.95	4.55	5.25	6.05	7.45	7.95	10.60	11.30	12.75
Increments of 1 ft																		

O'RING CORD

	Material	Prefix	Cord Cross Section															
			8.00	8.40	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	18.00	20.00			
●	NBR 70A	MOC/N	1.50	1.65	1.65	1.90	2.35	2.80	3.35	3.95	4.55	5.25	5.90	7.50	9.25			
●	FPM 75A	MOC/V	14.10	16.65	16.65	18.75	25.30	34.85	37.75	41.80	47.55	54.50	65.65	86.30	107.00			
Increments of 1 ft																		

VULCANIZED NITRILE O'RINGS (NBR70A) CROSS SECTION DIAMETER - UNIT PRICE

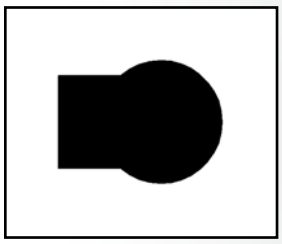
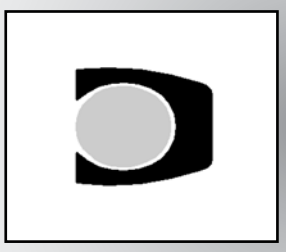
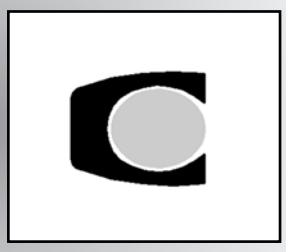
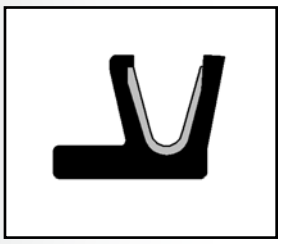
O'Ring I.D. (MM)	1.6mm .063"	2.0mm .079"	2.4mm .094"	3.0mm .118"	3.5mm .139"	4.0mm .156"	4.5mm .177"	5.0mm .196"	5.7mm .224"	6.0mm .236"	6.5mm .256"	7.0mm .276"	7.5mm .295"	8.0mm .315"	8.5mm .334"	9.0mm .354"	10.0mm .394"	12.0mm .472"
50-75	13.60	13.60	13.60	13.60	13.60	13.60	13.80	13.90	14.05	14.10	14.10	14.15	14.20	14.35	14.40	14.65	15.45	16.20
75-100	13.60	13.60	13.60	13.75	13.75	13.80	14.10	14.20	14.35	14.45	14.45	14.55	14.65	14.75	14.85	15.05	16.05	16.90
100-125	13.60	13.60	13.60	13.85	13.90	14.05	14.30	14.60	14.70	14.75	14.85	14.95	15.00	15.20	15.45	15.70	16.80	17.75
125-150	13.60	13.60	13.80	14.10	14.15	14.20	14.60	14.90	15.00	15.05	15.20	15.25	15.45	15.70	15.70	16.10	17.50	18.60
150-175	13.60	13.80	13.85	14.30	14.35	14.45	14.85	15.20	15.30	15.45	15.50	15.70	15.80	16.05	16.10	16.60	18.25	19.50
175-200	13.80	13.85	14.10	14.45	14.60	14.65	15.05	15.45	15.70	15.80	15.90	16.00	16.15	16.55	16.55	17.05	18.90	20.30
200-225	13.85	14.05	14.15	14.65	14.75	14.85	15.30	15.80	16.00	16.15	16.30	16.30	16.55	16.90	16.95	17.60	19.60	21.20
225-250	13.90	14.15	14.30	14.85	14.95	15.00	15.55	16.10	16.30	16.55	16.60	16.80	16.95	17.25	17.35	18.10	20.35	22.05
250-300	14.30	14.55	14.75	15.45	15.50	15.70	16.30	16.85	17.15	17.25	17.45	17.60	17.85	18.30	18.35	19.25	21.40	23.95
300-350	14.70	14.95	15.20	15.90	16.05	16.15	17.00	17.60	17.95	18.10	18.30	18.55	18.85	19.30	19.30	20.35	21.70	25.85
350-400	15.00	15.30	15.55	16.45	16.60	16.80	17.60	18.35	18.75	18.95	19.15	19.30	19.75	20.30	20.40	21.50	25.05	27.70
400-450	15.45	15.70	16.00	16.95	17.05	17.25	18.30	19.15	19.55	19.80	20.05	20.25	20.65	21.25	21.40	22.65	26.60	29.60
450-500	15.75	16.05	16.40	17.45	17.70	17.85	19.20	19.90	20.40	20.65	20.90	21.15	21.55	22.30	22.50	23.80	28.20	31.45
500-550	16.10	16.55	16.85	18.00	18.15	18.40	19.60	20.65	21.25	21.50	21.80	22.05	22.55	23.30	23.40	24.95	29.75	33.35
550-600	16.55	16.85	17.25	18.55	18.75	19.00	20.30	21.45	22.05	22.30	22.60	22.90	23.40	24.25	24.40	26.10	31.25	35.20
600-650	16.85	17.25	17.70	19.00	19.30	19.50	20.95	22.25	22.85	23.15	23.45	23.80	24.30	25.20	25.45	27.25	32.85	37.15
650-700	17.15	17.60	18.10	19.55	19.80	20.10	21.65	22.95	23.65	24.00	24.30	24.65	25.25	26.20	26.40	28.35	34.50	39.05
700-750	17.50	18.10	18.55	20.05	20.35	20.65	22.30	23.75	24.45	24.85	25.15	25.50	26.20	27.20	27.45	29.50	36.00	40.90
750-800	17.85	18.35	18.95	20.60	20.90	21.25	22.95	24.45	25.25	25.65	26.10	26.40	27.15	28.25	28.40	30.65	37.60	42.75
800-850	18.25	18.75	19.30	21.15	21.45	21.80	23.65	25.25	26.10	26.50	26.90	27.35	28.05	29.15	29.45	31.80	39.15	44.70
850-900	18.60	19.15	19.80	21.65	22.00	22.35	24.30	26.00	26.90	27.35	27.80	28.25	28.95	30.15	30.50	32.95	40.65	46.55
900-950	18.95	19.55	20.15	22.15	22.55	22.90	24.95	26.85	27.75	28.20	28.60	29.00	29.90	31.20	31.45	34.05	42.25	48.45
950-1000	19.30	19.90	20.60	22.65	23.10	23.55	25.65	27.55	28.55	28.95	29.50	30.00	30.85	32.20	32.55	35.20	43.85	50.25
1000-1050	19.70	20.35	21.00	23.20	23.65	24.05	26.35	28.30	29.35	29.90	30.35	30.85	31.75	33.15	33.50	36.35	45.40	52.20
1050-1100	20.00	20.70	21.45	23.75	24.15	24.60	27.00	29.10	30.15	30.65	31.20	31.75	32.65	34.20	34.50	37.50	47.00	54.10
1100-1150	20.30	21.15	21.85	24.30	24.70	25.15	27.70	29.90	30.95	31.50	32.05	32.60	33.55	35.10	35.45	38.65	48.55	55.95
1150-1200	20.65	21.50	22.30	24.80	25.25	25.70	28.30	30.60	31.75	32.35	32.95	33.50	34.55	36.20	36.55	39.80	50.15	57.85
1200-1250	21.15	21.85	22.70	25.30	25.75	26.25	29.00	31.40	32.60	33.20	33.80	34.35	35.40	37.15	37.45	41.00	51.65	59.70
1250-1300	21.40	22.30	23.15	25.85	26.35	26.85	29.70	32.10	33.20	34.00	34.60	35.30	36.35	38.15	38.50	42.15	53.25	61.45
1300-1400	21.65	23.00	23.95	26.90	27.40	27.95	31.05	33.70	35.05	35.70	36.30	37.05	38.25	40.15	40.55	44.35	56.40	65.35
1400-1500	22.85	23.80	24.85	28.00	28.55	29.10	32.30	35.20	36.70	37.40	38.05	38.75	40.05	42.15	42.50	46.60	59.55	69.20
1500-1600	23.55	24.85	25.65	28.95	29.80	30.25	33.70	36.70	38.25	39.05	39.80	40.55	41.95	44.05	44.55	49.00	62.70	72.90
1600-1700	24.25	25.40	26.50	30.00	30.65	31.35	35.10	38.25	39.90	40.65	41.55	42.30	43.75	46.10	46.55	51.25	65.80	76.65
1700-1800	24.95	26.20	27.35	31.10	31.75	32.55	36.35	39.80	41.55	42.40	43.20	44.05	45.65	48.00	48.55	53.45	68.95	80.45
1800-1900	25.65	26.90	28.20	32.10	32.85	33.50	37.70	41.35	43.15	44.00	45.00	45.90	47.45	50.00	50.65	55.85	72.10	84.25
1900-2000	26.35	27.70	28.95	33.20	33.95	34.65	39.05	42.80	44.75	45.70	46.60	47.65	49.35	51.95	52.60	58.10	75.25	88.00

VULCANIZED FLUOROCARBON O'RINGS

VULCANIZED FLUOROCARBON O'RINGS (FPM75A) CROSS SECTION DIAMETER - UNIT PRICE

O'Ring I.D. (MM)	1.6mm .063"	2.0mm .079"	2.4mm .094"	3.0mm .118"	3.5mm .139"	4.0mm .156"	4.5mm .177"	5.0mm .196"	5.7mm .224"	6.0mm .236"	6.5mm .256"	7.0mm .276"	7.5mm .295"	8.0mm .315"	8.5mm .334"	9.0mm .354"	10.0mm .394"	12.0mm .472"
UP TO 255	31.00	31.30	31.75	32.90	33.50	37.75	39.75	41.65	42.35	45.45	48.50	57.30	66.05	84.10	96.30	116.25		
255 - 380	34.35	34.80	35.20	37.20	37.95	45.15	47.75	50.30	52.75	58.25	63.65	76.20	88.70	114.65	139.10	169.40		
380 - 500	37.70	38.25	38.80	41.45	42.30	52.50	55.85	59.10	63.10	70.35	77.55	93.55	109.60	143.65	175.80	214.90		
500 - 635	41.00	41.60	42.20	46.10	48.45	59.75	65.20	70.70	73.45	83.65	93.80	114.00	134.05	176.00	218.40	268.05		
635 - 760	44.25	44.95	45.65	52.20	55.00	66.95	74.20	81.40	84.65	96.80	108.90	132.80	156.70	208.20	258.35	317.35		
760 - 890	47.50	48.25	49.00	58.35	61.50	74.05	83.10	92.15	95.95	109.95	124.00	151.65	179.40	239.90	298.15	366.75		
890 - 1015	50.70	51.50	52.35	64.40	68.10	81.10	91.95	102.80	107.20	123.15	139.05	170.55	202.05	271.35	337.85	416.10		
1015 - 1145	53.90	54.80	55.70	70.55	74.60	88.00	100.85	113.55	118.45	136.30	154.10	189.45	224.70	302.45	377.65	465.45		
1145 - 1270	57.05	58.05	58.90	76.65	81.10	94.95	109.60	124.25	129.65	149.45	169.15	208.30	247.40	333.20	417.35	514.75		
1270 - 1400	60.15	61.10	62.70	83.25	88.25	102.05	119.00	135.80	141.80	163.65	185.45	228.60	271.75	363.65	460.20	567.85		
1400 - 1525	63.25	64.35	65.40	89.35	94.75	109.85	128.20	146.60	153.00	176.80	200.55	247.50	294.45	393.75	499.95	617.20		
1525 - 1650	66.25	67.40	68.60	94.95	100.75	117.00	136.70	156.45	163.40	188.90	214.45	264.90	315.40	423.50	536.65	662.80		
1650 - 1780	69.25	70.50	71.75	101.50	107.80	125.35	146.70	168.00	175.55	203.05	230.65	285.25	339.75	452.90	579.45	715.95		
1780 - 1900	72.20	73.70	75.10	107.15	113.85	132.45	155.20	178.30	185.90	215.25	244.65	302.65	360.70	482.00	616.15	761.45		
1900 - 2030	75.15	77.35	79.45	113.70	120.90	140.90	165.15	189.45	198.00	229.45	260.85	323.00	385.10	513.65	658.95	814.60		
2030 - 2160	78.10	80.75	83.45	119.85	127.40	148.65	174.40	200.15	209.25	242.60	275.95	341.90	407.75	544.20	698.65	863.90		
2160 - 2285	80.95	84.20	87.50	125.90	134.00	156.35	183.60	210.90	220.45	255.75	291.00	360.70	430.45	574.70	738.45	913.30		
2285 - 2415	83.80	87.70	91.50	132.05	140.50	164.10	192.85	221.65	231.75	268.90	306.15	379.60	453.10	605.20	778.20	962.60		

THESE PROFILES ARE ALSO AVAILABLE ON REQUEST

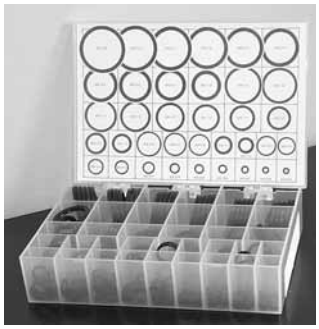


COMPACT SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-C-N70M	EUROPEEN STD. - NBR 70	394	32	41.75
ORK-C-N90M	EUROPEEN STD. - NBR 90	394	32	68.95
ORK-C-V75M	EUROPEEN STD. - FPM 75	394	32	275.45
ORK-C-JIS70	JAPANESE STD. - NBR 70	396	30	41.10
ORK-C-JIS90	JAPANESE STD. - NBR 90	396	30	66.70

INDUSTRIAL SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-IND-N70M	EUROPEEN STD. - NBR70	500	36	61.70
ORK-IND-N90M	EUROPEEN STD. - NBR 90	500	36	95.60
ORK-IND-V75M	EUROPEEN STD. - FPM 75	500	36	515.70
ORK-IND-JIS70	JAPANESE STD. - NBR 70	380	36	63.75
ORK-IND-JIS90	JAPANESE STD. - NBR 90	380	36	95.75





BOX SERIES

Ref. Number	Material	Total Qty	Sizes	$
ORK-BOXC-N70	EUROPEEN STD. - NBR 70	425	30	48.45
ORK-BOXC-N90	EUROPEEN STD. - NBR 90	425	30	82.40
ORK-BOXC-V80	EUROPEEN STD. - FPM 80	425	30	424.70
ORK-BOXD-N70	EUROPEEN STD. - NBR 70	285	24	81.55
ORK-BOXD-N90	EUROPEEN STD. - NBR 90	285	24	141.05
ORK-BOXD-V80	EUROPEEN STD. - FPM 80	285	24	993.80

OSK SERIES

Ref. Number	Material	Total Qty	Sizes	$
OSK100M-NBR	O'RING SPLICING KIT - NBR 70			54.55
OSK100M-FPM	O'RING SPLICING KIT - FPM 75			223.90

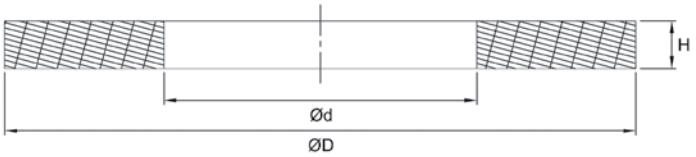


M

SD/T - Back-up Rings

V. PTFE





Temperature: -320/450F [-196/232C] **Pressure: N/A**

Ref.Number	Nominal Ring Dimensions			$	Ref.Number	Nominal Ring Dimensions			$
	d	D	H			d	D	H	
BU003006012SD/T	3.00	6.00	1.25	1.80	BU034040012SD/T	34.00	40.00	1.25	1.80
BU004007012SD/T	4.00	7.00	1.25	1.80	BU035040012SD/T	35.00	40.00	1.25	1.80
BU005008012SD/T	5.00	8.00	1.25	1.80	BU035041012SD/T	35.00	41.00	1.25	1.80
BU006009012SD/T	6.00	9.00	1.25	1.80	BU035041012SD/T-1	35.50	41.50	1.25	1.80
BU007010012SD/T	7.00	10.00	1.25	1.80	BU036042012SD/T	36.00	42.00	1.25	1.80
BU008011012SD/T	8.00	11.00	1.25	1.80	BU038044012SD/T	38.00	44.00	1.25	1.80
BU009012012SD/T	9.00	12.00	1.25	1.80	BU039045012SD/T	39.00	45.00	1.25	1.80
BU010013012SD/T	10.00	13.00	1.25	1.80	BU040045012SD/T	40.00	45.00	1.25	1.80
BU010014012SD/T	10.00	14.00	1.25	1.80	BU040046012SD/T	40.00	46.00	1.25	1.80
BU011015012SD/T	11.00	15.00	1.25	1.80	BU041047012SD/T	41.00	47.00	1.25	2.15
BU011012012SD/T-1	11.20	15.20	1.25	1.80	BU042048012SD/T	42.00	48.00	1.25	2.15
BU012016012SD/T	12.00	16.00	1.25	1.80	BU043049012SD/T	43.00	49.00	1.25	2.15
BU012016012SD/T-1	12.50	16.50	1.25	1.80	BU044050012SD/T	44.00	50.00	1.25	2.75
BU013017012SD/T	13.00	17.00	1.25	1.80	BU045050012SD/T	45.00	50.00	1.25	3.30
BU014018012SD/T	14.00	18.00	1.25	1.80	BU045051012SD/T	45.00	51.00	1.25	3.30
BU015019012SD/T	15.00	19.00	1.25	1.80	BU046052012SD/T	46.00	52.00	1.25	3.55
BU016020012SD/T	16.00	20.00	1.25	1.80	BU048054012SD/T	48.00	54.00	1.25	3.55
BU017021012SD/T	17.00	21.00	1.25	1.80	BU049055012SD/T	49.00	55.00	1.25	3.65
BU018022012SD/T	18.00	22.00	1.25	1.80	BU050055012SD/T	50.00	55.00	1.25	3.65
BU019023012SD/T	19.00	23.00	1.25	1.80	BU050060012SD/T	50.00	60.00	1.25	3.80
BU020024012SD/T	20.00	24.00	1.25	1.80	BU055060012SD/T	55.00	60.00	1.25	3.85
BU021025012SD/T	21.00	25.00	1.25	1.80	BU057062012SD/T	57.00	62.00	1.25	4.05
BU022026012SD/T	22.00	26.00	1.25	1.80	BU058063012SD/T	58.00	63.00	1.25	4.05
BU022028012SD/T	22.00	28.00	1.25	1.80	BU060065012SD/T	60.00	65.00	1.25	4.05
BU022028012SD/T-1	22.40	28.40	1.25	1.80	BU062067012SD/T	62.00	67.00	1.25	4.45
BU024030012SD/T	24.00	30.00	1.25	1.80	BU065070012SD/T	65.00	70.00	1.25	4.45
BU025030012SD/T	25.00	30.00	1.25	1.80	BU070075012SD/T	70.00	75.00	1.25	5.05
BU025031012SD/T	25.00	31.00	1.25	1.80	BU075080012SD/T	75.00	80.00	1.25	5.20
BU025031012SD/T-1	25.50	31.50	1.25	1.80	BU080085012SD/T	80.00	85.00	1.25	5.40
BU026032012SD/T	26.00	32.00	1.25	1.80	BU085090012SD/T	85.00	90.00	1.25	5.65
BU028034012SD/T	28.00	34.00	1.25	1.80	BU090095012SD/T	90.00	95.00	1.25	6.05
BU029035012SD/T	29.00	35.00	1.25	1.80	BU095100012SD/T	95.00	100.00	1.25	6.40
BU029035012SD/T-1	29.50	35.50	1.25	1.80	BU100105012SD/T	100.00	105.00	1.25	6.95
BU030035012SD/T	30.00	35.00	1.25	1.80	BU105110012SD/T	105.00	110.00	1.25	7.20
BU030036012SD/T	30.00	36.00	1.25	1.80	BU106111012SD/T	106.00	111.00	1.25	7.20
BU031037012SD/T	31.00	37.00	1.25	1.80	BU108113012SD/T	108.00	113.00	1.25	7.55
BU031037012SD/T-1	31.50	37.50	1.25	1.80	BU110115012SD/T	110.00	115.00	1.25	7.55
BU032038012SD/T	32.00	38.00	1.25	1.80	BU115120012SD/T	115.00	120.00	1.25	7.85

Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU116121012SD/T	116.00	121.00	1.25	7.85
BU120125012SD/T	120.00	125.00	1.25	8.15
BU125130012SD/T	125.00	130.00	1.25	8.60
BU126131012SD/T	126.00	131.00	1.25	8.70
BU128133012SD/T	128.00	133.00	1.25	8.70
BU130135012SD/T	130.00	135.00	1.25	8.75
BU135140012SD/T	135.00	140.00	1.25	9.05
BU136141012SD/T	136.00	141.00	1.25	9.05
BU140145012SD/T	140.00	145.00	1.25	9.50
BU145150012SD/T	145.00	150.00	1.25	9.80
BU146151012SD/T	146.00	151.00	1.25	10.00
BU048058019SD/T	48.00	58.00	1.90	4.65
BU050060019SD/T	50.00	60.00	1.90	5.05
BU052062019SD/T	52.00	62.00	1.90	5.05
BU053063019SD/T	53.00	63.00	1.90	5.20
BU055065019SD/T	55.00	65.00	1.90	5.20
BU056066019SD/T	56.00	66.00	1.90	5.55
BU058068019SD/T	58.00	68.00	1.90	5.65
BU060070019SD/T	60.00	70.00	1.90	5.65
BU062072019SD/T	62.00	72.00	1.90	5.90
BU063073019SD/T	63.00	73.00	1.90	5.90
BU065075019SD/T	65.00	75.00	1.90	5.90
BU067077019SD/T	67.00	77.00	1.90	6.20
BU070080019SD/T	70.00	80.00	1.90	6.50
BU071081019SD/T	71.00	81.00	1.90	6.50
BU075085019SD/T	75.00	85.00	1.90	7.05
BU080090019SD/T	80.00	90.00	1.90	7.45
BU085095019SD/T	85.00	95.00	1.90	7.90
BU090100019SD/T	90.00	100.00	1.90	8.45
BU095105019SD/T	95.00	105.00	1.90	8.95
BU100110019SD/T	100.00	110.00	1.90	9.20
BU102112019SD/T	102.00	112.00	1.90	9.55
BU105115019SD/T	105.00	115.00	1.90	9.80
BU110120019SD/T	110.00	120.00	1.90	10.20
BU112122019SD/T	112.00	122.00	1.90	10.35
BU115125019SD/T	115.00	125.00	1.90	10.60
BU120130019SD/T	120.00	130.00	1.90	11.15
BU125135019SD/T	125.00	135.00	1.90	11.30
BU126136019SD/T	126.00	136.00	1.90	11.60
BU130140019SD/T	130.00	140.00	1.90	11.75
BU132142019SD/T	132.00	142.00	1.90	12.00
BU135145019SD/T	135.00	145.00	1.90	12.10
BU140150019SD/T	140.00	150.00	1.90	12.95
BU145155019SD/T	145.00	155.00	1.90	13.15
BU150160019SD/T	150.00	160.00	1.90	13.65
BU152162019SD/T	152.00	162.00	1.90	13.75
BU155165019SD/T	155.00	165.00	1.90	13.75
BU160170019SD/T	160.00	170.00	1.90	14.30

Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU165175019SD/T	165.00	175.00	1.90	14.70
BU170180019SD/T	170.00	180.00	1.90	15.30
BU175185019SD/T	175.00	185.00	1.90	15.40
BU180190019SD/T	180.00	190.00	1.90	15.90
BU185195019SD/T	185.00	195.00	1.90	16.35
BU190200019SD/T	190.00	200.00	1.90	16.90
BU192202019SD/T	192.00	202.00	1.90	17.25
BU195205019SD/T	195.00	205.00	1.90	17.25
BU200210019SD/T	200.00	210.00	1.90	17.75
BU205215019SD/T	205.00	215.00	1.90	18.15
BU210220019SD/T	210.00	220.00	1.90	18.75
BU215225019SD/T	215.00	225.00	1.90	19.00
BU220230019SD/T	220.00	230.00	1.90	19.50
BU225235019SD/T	225.00	235.00	1.90	19.90
BU230240019SD/T	230.00	240.00	1.90	20.15
BU235245019SD/T	235.00	245.00	1.90	20.55
BU240250019SD/T	240.00	250.00	1.90	20.95
BU245255019SD/T	245.00	255.00	1.90	21.55
BU250260019SD/T	250.00	260.00	1.90	21.85
BU255265019SD/T	255.00	265.00	1.90	22.30
BU260270019SD/T	260.00	270.00	1.90	22.80
BU265275019SD/T	265.00	275.00	1.90	23.10
BU270280019SD/T	270.00	280.00	1.90	23.55
BU275285019SD/T	275.00	285.00	1.90	24.05
BU280290019SD/T	280.00	290.00	1.90	24.30
BU285295019SD/T	285.00	295.00	1.90	24.95
BU290300019SD/T	290.00	300.00	1.90	25.20
BU295305019SD/T	295.00	305.00	1.90	25.90
BU300310019SD/T	300.00	310.00	1.90	26.05
BU150165027SD/T	150.00	165.00	2.75	26.85
BU155170027SD/T	155.00	170.00	2.75	27.55
BU160175027SD/T	160.00	175.00	2.75	28.50
BU165180027SD/T	165.00	180.00	2.75	29.20
BU170185027SD/T	170.00	185.00	2.75	30.25
BU175190027SD/T	175.00	190.00	2.75	31.15
BU180195027SD/T	180.00	195.00	2.75	31.75
BU185200027SD/T	185.00	200.00	2.75	32.80
BU190205027SD/T	190.00	205.00	2.75	33.75
BU195210027SD/T	195.00	210.00	2.75	34.40
BU200215027SD/T	200.00	215.00	2.75	35.40
BU205220027SD/T	205.00	220.00	2.75	36.20
BU209224027SD/T	209.00	224.00	2.75	36.80
BU210225027SD/T	210.00	225.00	2.75	37.15
BU215230027SD/T	215.00	230.00	2.75	37.70
BU220235027SD/T	220.00	235.00	2.75	38.80
BU225240027SD/T	225.00	240.00	2.75	39.70
BU230245027SD/T	230.00	245.00	2.75	40.45
BU235250027SD/T	235.00	250.00	2.75	41.45

SD/T SERIES - V.PTFE

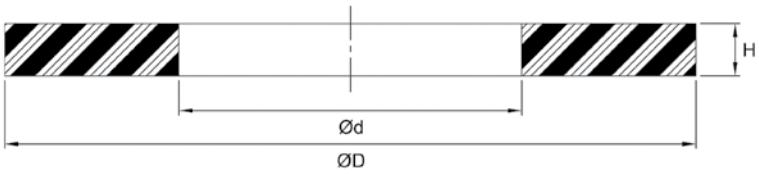
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BU240255027SD/T	240.00	255.00	2.75	42.30
BU245260027SD/T	245.00	260.00	2.75	43.00
BU250265027SD/T	250.00	265.00	2.75	43.90
BU255270027SD/T	255.00	270.00	2.75	44.75
BU260275027SD/T	260.00	275.00	2.75	45.60
BU265280027SD/T	265.00	280.00	2.75	46.50
BU270285027SD/T	270.00	285.00	2.75	47.35
BU275290027SD/T	275.00	290.00	2.75	48.15
BU280295027SD/T	280.00	295.00	2.75	48.85
BU285300027SD/T	285.00	300.00	2.75	49.90
BU290305027SD/T	290.00	305.00	2.75	50.65
BU295310027SD/T	295.00	310.00	2.75	51.55
BU300315027SD/T	300.00	315.00	2.75	52.45
BU305320027SD/T	305.00	320.00	2.75	53.15
BU310325027SD/T	310.00	325.00	2.75	54.10
BU315330027SD/T	315.00	330.00	2.75	54.80
BU320335027SD/T	320.00	335.00	2.75	55.85
BU325340027SD/T	325.00	340.00	2.75	56.80

Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU330345027SD/T	330.00	345.00	2.75	57.35
BU335350027SD/T	335.00	350.00	2.75	58.45
BU340355027SD/T	340.00	355.00	2.75	59.35
BU345360027SD/T	345.00	360.00	2.75	60.10
BU350365027SD/T	350.00	365.00	2.75	61.00
BU355370027SD/T	355.00	370.00	2.75	61.80
BU360375027SD/T	360.00	375.00	2.75	62.75
BU365380027SD/T	365.00	380.00	2.75	63.35
BU370385027SD/T	370.00	385.00	2.75	64.40
BU375390027SD/T	375.00	390.00	2.75	65.25
BU380395027SD/T	380.00	395.00	2.75	66.05
BU385400027SD/T	385.00	400.00	2.75	67.00
BU390405027SD/T	390.00	405.00	2.75	67.65
BU395410027SD/T	395.00	410.00	2.75	68.50
BU400415027SD/T	400.00	415.00	2.75	69.90

SD/U - Back-up Rings

Polyurethane AU95A





Temperature: -40/195F [-40/91C] **Pressure: N/A**

Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU010014013SD/U	10.00	14.00	1.30	1.25
BU011015013SD/U	11.00	15.00	1.30	1.25
BU012016013SD/U	12.00	16.00	1.30	1.40
BU013017013SD/U	13.00	17.00	1.30	1.40
BU014018013SD/U	14.00	18.00	1.30	1.40
BU015019013SD/U	15.00	19.00	1.30	1.40
BU016020013SD/U	16.00	20.00	1.30	1.50
BU017021013SD/U	17.00	21.00	1.30	1.50

Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU018022013SD/U	18.00	22.00	1.30	1.50
BU020025013SD/U	20.00	25.00	1.30	1.65
BU022027013SD/U	22.00	27.00	1.30	1.65
BU023028013SD/U	23.00	28.00	1.30	1.65
BU025030013SD/U	25.00	30.00	1.30	1.65
BU027032013SD/U	27.00	32.00	1.30	1.65
BU030035013SD/U	30.00	35.00	1.30	1.65
BU032037013SD/U	32.00	37.00	1.30	1.65

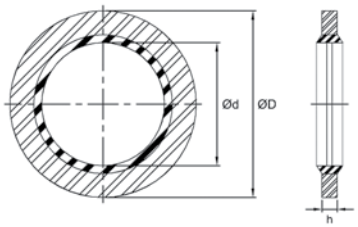
Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU033038013SD/U	33.00	38.00	1.30	1.85
BU035040013SD/U	35.00	40.00	1.30	1.85
BU037042013SD/U	37.00	42.00	1.30	1.85
BU040045013SD/U	40.00	45.00	1.30	1.85
BU043048013SD/U	43.00	48.00	1.30	1.85
BU045050013SD/U	45.00	50.00	1.30	2.10
BU050055013SD/U	50.00	55.00	1.30	2.10
BU055060013SD/U	55.00	60.00	1.30	2.10
BU058063013SD/U	58.00	63.00	1.30	2.15
BU060065013SD/U	60.00	65.00	1.30	2.25
BU063068013SD/U	63.00	68.00	1.30	2.50
BU065070013SD/U	65.00	70.00	1.30	2.50
BU069074013SD/U	69.00	74.00	1.30	2.70
BU070075013SD/U	70.00	75.00	1.30	3.00
BU075080013SD/U	75.00	80.00	1.30	3.00
BU080085013SD/U	80.00	85.00	1.30	3.55
BU085090013SD/U	85.00	90.00	1.30	3.55
BU088093013SD/U	88.00	93.00	1.30	3.55
BU090095013SD/U	90.00	95.00	1.30	3.70
BU095100013SD/U	95.00	100.00	1.30	3.70
BU098103013SD/U	98.00	103.00	1.30	4.05
BU100105013SD/U	100.00	105.00	1.30	4.05
BU105110013SD/U	105.00	110.00	1.30	4.05
BU110115013SD/U	110.00	115.00	1.30	4.40
BU115120013SD/U	115.00	120.00	1.30	4.65
BU120125013SD/U	120.00	125.00	1.30	4.65
BU125130013SD/U	125.00	130.00	1.30	4.65
BU130135013SD/U	130.00	135.00	1.30	5.00
BU130140013SD/U	130.00	140.00	1.30	7.35
BU135140013SD/U	135.00	140.00	1.30	5.30
BU140145013SD/U	140.00	145.00	1.30	5.65
BU145150013SD/U	145.00	150.00	1.30	5.65
BU150155013SD/U	150.00	155.00	1.30	6.10
BU155160013SD/U	155.00	160.00	1.30	6.30
BU160165013SD/U	160.00	165.00	1.30	6.40
BU165170013SD/U	165.00	170.00	1.30	6.60
BU170175013SD/U	170.00	175.00	1.30	6.70
BU175180013SD/U	175.00	180.00	1.30	6.85
BU185190013SD/U	185.00	190.00	1.30	7.00
BU040050017SD/U	40.00	50.00	1.70	3.30
BU045055017SD/U	45.00	55.00	1.70	3.30
BU050060017SD/U	50.00	60.00	1.70	3.55
BU053063017SD/U	53.00	63.00	1.70	3.70
BU055065017SD/U	55.00	65.00	1.70	3.70
BU060070017SD/U	60.00	70.00	1.70	3.85
BU065075017SD/U	65.00	75.00	1.70	4.05
BU070080017SD/U	70.00	80.00	1.70	4.05
BU075085017SD/U	75.00	85.00	1.70	4.25

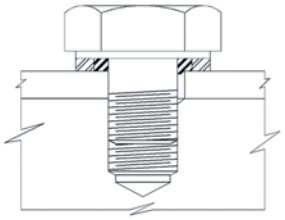
Ref.Number	Nominal Ring Dimensions			$
	d	D	H	
BU078088017SD/U	78.00	88.00	1.70	4.55
BU080090017SD/U	80.00	90.00	1.70	4.75
BU085095017SD/U	85.00	95.00	1.70	4.80
BU090100017SD/U	90.00	100.00	1.70	5.30
BU095105017SD/U	95.00	105.00	1.70	5.65
BU100110017SD/U	100.00	110.00	1.70	5.95
BU105115017SD/U	105.00	115.00	1.70	5.95
BU110120017SD/U	110.00	120.00	1.70	6.35
BU115125017SD/U	115.00	125.00	1.70	6.70
BU120130017SD/U	120.00	130.00	1.70	7.60
BU125135017SD/U	125.00	135.00	1.70	7.00
BU130140017SD/U	130.00	140.00	1.70	7.35
BU135145017SD/U	135.00	145.00	1.70	7.35
BU140150017SD/U	140.00	150.00	1.70	7.60
BU145155017SD/U	145.00	155.00	1.70	8.65
BU150160017SD/U	150.00	160.00	1.70	7.95
BU152162017SD/U	152.00	162.00	1.70	7.50
BU155165017SD/U	155.00	165.00	1.70	8.30
BU160170017SD/U	160.00	170.00	1.70	8.65
BU165175017SD/U	165.00	175.00	1.70	8.95
BU170180017SD/U	170.00	180.00	1.70	8.95
BU172182017SD/U	172.00	182.00	1.70	9.35
BU175185017SD/U	175.00	185.00	1.70	9.35
BU180190017SD/U	180.00	190.00	1.70	9.70
BU185195017SD/U	185.00	195.00	1.70	9.70
BU190200017SD/U	190.00	200.00	1.70	9.70
BU195205017SD/U	195.00	205.00	1.70	10.35
BU200210017SD/U	200.00	210.00	1.70	10.60
BU210220017SD/U	210.00	220.00	1.70	11.60
BU220230017SD/U	220.00	230.00	1.70	11.95
BU230240017SD/U	230.00	240.00	1.70	12.65
BU240250017SD/U	240.00	250.00	1.70	12.65
BU245255017SD/U	245.00	255.00	1.70	15.60
BU250260017SD/U	250.00	260.00	1.70	16.55
BU145160021SD/U	145.00	160.00	2.10	7.95
BU180195021SD/U	180.00	195.00	2.10	9.70
BU185200021SD/U	185.00	200.00	2.10	9.70
BU200215021SD/U	200.00	215.00	2.10	10.60
BU220235021SD/U	220.00	235.00	2.10	14.90
BU240255021SD/U	240.00	255.00	2.10	19.85
BU250265021SD/U	250.00	265.00	2.10	25.60

USIT RINGS

Carbon Steel/NBR
Carbon Steel/FPM







NBR Temperature: -65/225F [-54/107C] **FPM Temperature: -15/400F [-26/205C]**

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V	Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H				d	D	H		
BS003007010	3.60	7.50	1.00	0.95	3.20	BS013018012	13.85	18.70	1.25	1.10	4.75
BS004007010	4.10	7.20	1.00	0.95	3.00	BS014018015	14.00	18.70	1.50	1.10	4.55
BS004007010-1	4.50	7.00	1.00	0.95	3.00	BS014021015	14.70	21.00	1.50	1.10	4.70
BS004009010	4.60	9.00	1.00	0.95	3.20	BS014022015	14.70	22.00	1.50	1.30	5.25
BS005010010	5.60	10.00	1.00	1.00	3.25	BS016022015	16.00	22.70	1.50	1.10	4.70
BS005009010	5.70	9.00	1.00	0.95	2.95	BS016023015	16.70	23.00	1.50	1.10	4.75
BS005010010-1	5.70	10.00	1.00	1.00	3.25	BS016024015	16.70	24.00	1.50	1.25	5.05
BS006009010	6.20	9.20	1.00	0.95	3.20	BS017023021	17.20	23.90	2.10	1.40	5.60
BS006011010	6.60	11.00	1.00	1.00	3.25	BS017022012	17.35	22.70	1.25	1.20	4.95
BS006010010	6.70	10.00	1.00	1.00	3.25	BS017023015	17.40	23.70	1.50	1.20	4.90
BS006011010-1	6.70	11.00	1.00	1.00	3.25	BS017024015	17.40	24.00	1.50	1.20	4.95
BS006011025	6.70	11.00	2.50	1.20	4.80	BS018024015	18.00	24.70	1.50	1.25	5.05
BS006013013	6.85	13.27	1.30	1.00	3.35	BS018026015	18.70	26.00	1.50	1.50	5.85
BS007011010	7.00	11.40	1.00	1.00	3.25	BS018027020	18.70	27.00	2.00	1.55	6.05
BS007012010	7.10	12.00	1.00	1.00	3.25	BS020028015	20.70	28.00	1.50	1.35	5.35
BS007010010	7.30	10.20	1.00	1.00	3.25	BS020029020	20.70	29.00	2.00	1.60	6.20
BS008012012	8.30	12.70	1.25	1.05	4.50	BS021028025	21.50	28.70	2.50	1.65	6.50
BS008013010	8.50	13.40	1.00	1.00	3.30	BS021026012	21.65	26.70	1.25	1.35	5.40
BS008013010-1	8.60	13.00	1.00	1.00	3.30	BS021030020	21.70	30.00	2.00	1.75	6.80
BS008013010-2	8.70	13.00	1.00	1.00	3.30	BS022028015	22.50	28.00	1.50	1.35	5.35
BS008014010	8.70	14.00	1.00	1.00	3.30	BS022030020	22.70	30.00	2.00	1.85	8.90
BS008016010	8.70	16.00	1.00	1.00	3.35	BS022030030	22.70	30.00	3.00	2.35	9.80
BS009013010	9.30	13.30	1.00	1.00	3.30	BS022031020	22.70	31.00	2.00	1.75	8.70
BS010016020	10.35	16.00	2.00	1.10	4.70	BS023032020	23.70	32.00	2.00	1.80	8.70
BS010014012	10.40	14.70	1.25	1.05	4.50	BS024032020	24.70	32.00	2.00	1.80	8.70
BS010016015	10.70	16.00	1.50	1.05	4.40	BS024033020	24.70	33.00	2.00	1.80	8.70
BS010017015	10.70	17.00	1.50	1.05	4.50	BS026035020	26.70	35.00	2.00	1.85	8.70
BS010018015	10.70	18.00	1.50	1.05	4.40	BS027035020	27.00	35.30	2.00	1.85	8.90
BS011016015	11.40	16.30	1.50	1.05	4.40	BS027036020	27.20	36.00	2.00	1.85	8.75
BS011018015	11.80	18.10	1.50	1.05	4.50	BS027032012	27.30	32.60	1.25	1.80	8.65
BS011018015-1	11.80	18.50	1.50	1.10	4.55	BS027032020	27.30	32.60	2.00	1.85	8.80
BS011019015	11.80	19.10	1.50	1.10	4.55	BS027036020-1	27.70	36.00	2.00	1.85	8.90
BS012018015	12.70	18.00	1.50	1.25	5.05	BS028036020	28.60	36.00	2.00	1.85	8.90
BS012019015	12.70	19.00	1.50	1.05	4.55	BS028037020	28.70	37.00	2.00	1.90	8.80
BS012020015	12.70	20.00	1.50	1.10	4.65	BS029037020	29.20	37.50	2.00	1.90	8.95
BS013020015	13.70	20.00	1.50	1.10	4.65	BS030039020	30.70	39.00	2.00	1.95	9.10
BS013022015	13.70	22.00	1.50	1.10	4.70	BS031039020	31.00	39.00	2.00	1.95	9.20
BS013020015-1	13.80	20.10	1.50	1.10	4.65	BS033042020	33.70	42.00	2.00	2.35	10.00

USIT RINGS - CARBON STEEL NBR & FPM

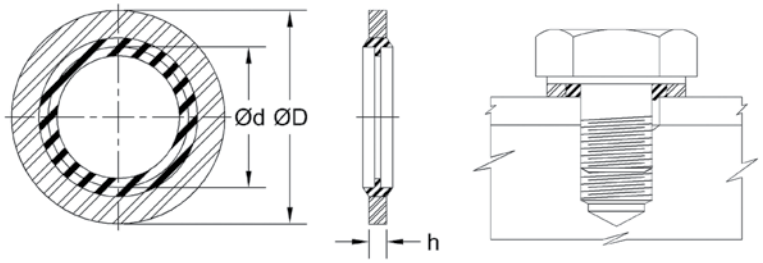
Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS034039020	34.20	39.50	2.00	1.95	9.25
BS034043020	34.30	43.00	2.00	2.40	10.10
BS036046020	36.70	46.00	2.00	2.50	10.45
BS037048025	37.00	48.00	2.50	3.00	12.00
BS040051025	40.00	51.00	2.50	3.20	12.65
BS042053030	42.70	53.00	3.00	4.55	15.55
BS042049020	42.80	49.50	2.00	4.55	15.70
BS043054025	43.00	54.00	2.50	4.55	15.45
BS046057025	46.00	57.00	2.50	4.55	15.45
BS048055020	48.70	55.50	2.00	4.35	14.05
BS048059030	48.70	59.00	3.00	4.90	17.50
BS049060025	49.00	60.00	2.50	4.65	16.05

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS052060030	52.00	60.00	3.00	4.95	17.80
BS053064030	53.30	64.50	3.00	5.05	18.10
BS060068020	60.50	68.50	2.00	5.20	18.75
BS060073030	60.70	73.00	3.00	5.85	23.45
BS068079035	68.60	79.50	3.50	8.75	28.50
BS076090033	76.08	90.30	3.38	9.50	33.35
BS089101032	89.09	101.35	3.25	11.85	44.75
BS127143050	127.00	143.67	5.00	27.70	99.60

USIT RINGS - Self Centering

Carbon Steel/NBR
Carbon Steel/FPM





NBR Temperature: -65/225F [-54/107C] **FPM Temperature: -15/400F [-26/205C]**

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS004007010SC	4.50	7.00	1.00	1.00	4.40
BS006011010SC	6.60	11.00	1.00	1.00	4.40
BS008014010SC	8.70	14.00	1.00	1.05	4.45
BS010015020SC	10.37	15.88	2.03	1.30	5.20
BS010016015SC	10.70	16.00	1.50	1.10	4.55
BS010016020SC	10.35	16.00	2.00	1.25	5.00
BS012018015SC	12.70	18.00	1.50	1.30	5.35
BS012019015SC	12.70	19.00	1.50	1.20	4.80
BS013020020SC	13.74	20.57	2.03	1.35	5.50
BS014022015SC	14.70	22.00	1.50	1.40	5.60
BS016024015SC	16.70	24.00	1.50	1.30	5.30
BS016025020SC	16.51	25.40	2.03	1.60	6.15
BS017023020SC	17.28	23.80	2.03	1.50	6.05
BS018025023SC	18.16	25.40	2.34	1.75	8.65
BS018026015SC	18.70	26.00	1.50	1.60	6.30
BS020028015SC	20.70	28.00	1.50	1.50	5.80

Ref.Number	Nominal seal Dimensions			$ NBR	$ FPM /V
	d	D	H		
BS021028023SC	21.54	28.58	2.34	1.90	9.00
BS022030020SC	22.70	30.00	2.00	2.00	O/R
BS023031023SC	23.49	31.75	2.34	2.20	9.40
BS024032020SC	24.70	32.00	2.00	1.90	9.00
BS027034023SC	27.05	34.93	2.34	2.35	9.90
BS030038023SC	30.81	38.10	2.34	2.45	10.20
BS033042032SC	33.89	42.80	3.25	4.35	14.35
BS042052032SC	42.93	52.38	3.25	5.00	17.90
BS043054025SC	43.00	54.00	2.50	4.80	16.75
BS048058032SC	48.44	58.60	3.25	5.30	19.65
BS054069032SC	54.89	69.85	3.25	6.30	25.00
BS060073032SC	60.58	73.03	3.25	6.60	26.10
BS066079032SC	66.68	79.50	3.25	8.80	29.65
BS076090032SC	76.08	90.17	3.25	11.35	42.65
BS089101032SC	89.09	101.35	3.25	12.90	49.00

USIT RINGS REFERENCE TABLE

Nominal seal dimensions			Thread size			Nominal seal dimensions			Thread size		
d	D	H	Metric	Whitw. BSW	Gas BSP	d	D	H	Metric	Whitw. BSW	Gas BSP
3.10	6.40	1.00				18.70	26.00	1.50	M 18		
3.10	6.40	1.30		6 BA		20.70	28.00	1.50	M 20	3/4"	1/2"
3.10	7.30	1.15				21.50	28.70	2.50			1/2"
4.10	7.30	1.30	M 4	4 BA		22.70	30.00	2.00	M 22	7/8"	1/2"
4.50	7.00	1.00	M 4			23.50	31.80	2.50		7/8"	5/8"
5.21	8.38	1.22		2 BA		24.70	32.00	2.00	M 24		5/8"
5.70	9.00	1.00	M 5			26.70	35.00	2.00	M 26	1"	
5.70	10.00	1.00	M 5			27.00	35.00	2.50	M 26	1"	3/4"
6.20	9.20	1.00	M 5.5			27.20	36.00	2.00	M 26	1"	3/4"
6.70	10.00	1.00	M 6			28.70	37.00	2.00	M 28		
6.70	11.00	1.00	M 6	1/4"		29.30	36.60	2.50	M 28.5	1 1/8"	
6.70	11.00	2.50	M 6			31.00	39.00	2.00	M 30		7/8"
6.90	13.20	1.30	M 6	1/4"		32.60	41.40	3.40		1 1/4"	
7.00	13.40	1.30		1/4"		33.90	42.90	3.40	M 33	1 1/4"	1"
7.10	12.00	1.00		1/4"		34.30	43.00	2.00			1"
8.70	13.00	1.00	M 8	5/16"		36.70	46.00	2.00	M 36		
8.70	14.00	1.00	M 8			42.70	53.00	3.00	M 42		1/4"
8.70	14.20	1.30	M 8	5/16"		48.70	59.00	3.00	M 48	1 7/8"	1 1/2"
8.70	16.00	1.00	M 8	5/16"		51.70	63.50	3.40	M 48	2"	
9.30	13.10	1.00	M 8.5			52.00	50.00	3.00			
10.35	16.00	2.00			1/8"	53.30	64.50	3.00	M 52	2"	
10.70	16.00	1.50	M 10	3/8"	1/8"	54.90	69.80	3.25		2 1/8"	1 3/4"
10.70	18.00	1.50	M 10	3/8"	1/8"	60.70	73.00	3.00	M 56	2 1/4"	2
12.70	18.00	1.50	M 12			66.70	79.50	3.25			2 1/4"
12.70	20.00	1.50	M 12			68.60	79.50	3.50	M 68		
13.70	20.60	2.10	M 12	1/2"	1/4"	76.10	90.30	3.40	M 72	2 3/4"	2 1/2"
13.70	22.00	1.50	M 13		1/4"						
14.00	18.70	1.50	M 13.5								
14.70	22.00	1.50	M 14	1/2"	1/4"						
14.90	22.30	2.10	M 14	9/16"							
16.70	25.50	2.10	M 16	5/8"							
16.70	24.00	1.50	M 16	5/8"							
17.30	23.90	2.10			3/8"						
17.40	24.00	1.50			3/8"						
18.20	25.40	2.50									

SEAL APPLICATION REQUEST FORM	TECH	2
CUSTOM SEAL MFG SERVICES	TECH	3
PROFILE CHART FOR SEAL MFG	TECH	4
COMPOUND SELECTION GUIDE	TECH	5

CUSTOM SEAL MANUFACTURING SERVICES

IN - HOUSE MACHINING AND COMPONENT FABRICATION

To meet your needs for special non-standard seals, oversized seals and related cylinder and pump components, we offer a complete range of in-house machining services. Save on expensive tooling charges and factory delivery lead times.

Up to 24" O.D. / 40 000 MM O.D. for immediate delivery
Up to 30" O.D. / 75 000 MM O.D. for deliveries within 2-3 weeks

We will manufacture wear-rings, Bearings and Bushings, Piston Rings, Step Buffer Seals, U-Cup Seals Loaded-Lip U-Cups, Back-up Rings, Modular Bearings, Vee-Packing Adaptors, Piston Cups, Wiper Seals and specialty parts to suit your application requirements.

Select from any of our standard stock materials for machining your special parts:

PTFE (Teflon)

TFE/GF 15	15% Glass filled PTFE
TFE/GF15M	15% Glass & Moly filled PTFE
TFE/BR40	40% Bronze filled PTFE
TFE/BR60	60% Bronze filled PTFE
TFE/CG	Carbon-Graphite filled PTFE

NYLON

6TMOS2	Moly filled Nylon
NYLON-GF	Glass filled Nylon
NYLOIL	Mineral filled Nylon

THERMOPLASTIC

DELRIN	Filled Acetal grades for low friction
PEEK	High temperature, high modulus materials
PPS	Filled Polyphenylene- Sulfide low swell

PHONOLIC

DYNAMAX (L7/M and L7/A)	High-Load Resin and Fabric composites

We can also offer Nitrile, Viton and other rubber materials for machined parts.

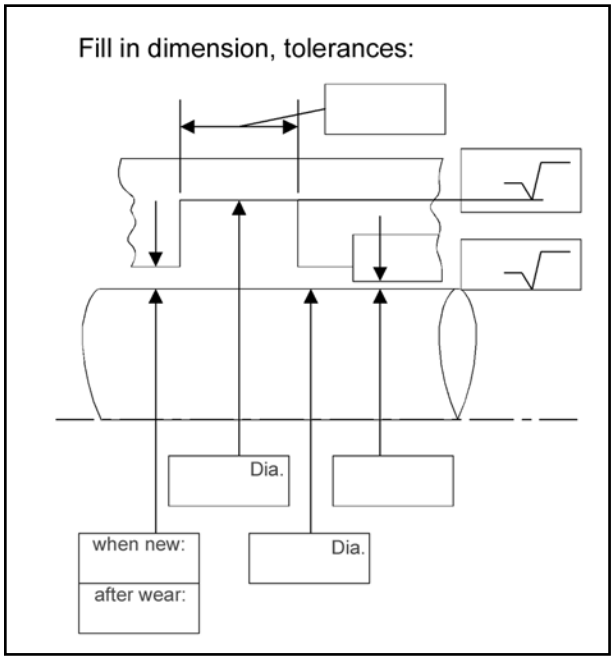
Additional services available from our vast selection of materials and components:
Split Oil Seals cut in-house to 60" / 1500MM Diameter
Vee Packings cut in-house to 40" / 1000MM Diameter
Vulcanized O-Rings: Any size of inch or metric cross sections in a complete range of standard and non-standard compounds. Proto-type and production quantities available for all special parts.

All of these services are available through any of our **Sealing Solutions'** locations.

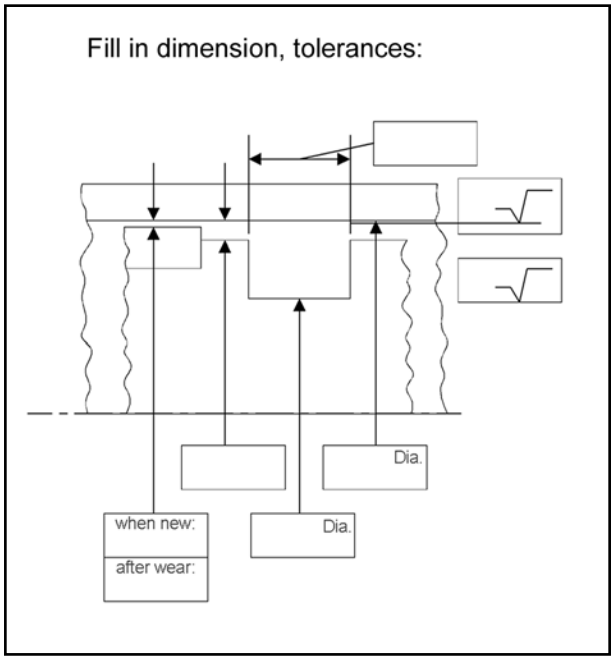
SEAL APPLICATION REQUEST FORM

This Seal Application Request will enable us to assist you in your design request.

☐ ROD APPLICATION



☐ PISTON APPLICATION



FLUID to be sealed: _____ Viscosity:_____
PRESSURE: Normal: _____ psi; min: _____ psi; max:_____psi
TEMPERATURE: normal:_____ °F; min: _____ °F; max:_____°F
SPEED: cycles/minute:_____ length of stroke:_____ in.; average speed:_____

A: ☐ DYNAMIC SEAL ☐ STATIC SEAL
B: ☐ NEW DESIGN ☐ REMPLACEMENT ☐ TYPE OF SEAL (SEE OUR DRAWING)

Quantity Required:_____

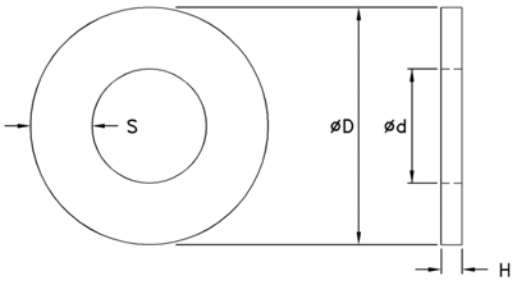
Application Assemby Prints with all necessary dimensions and tolerances should be supplied if possible.

Special Requirements for seal and specific environmental or operating conditions should be described more completely:_____
_____
_____
_____
_____

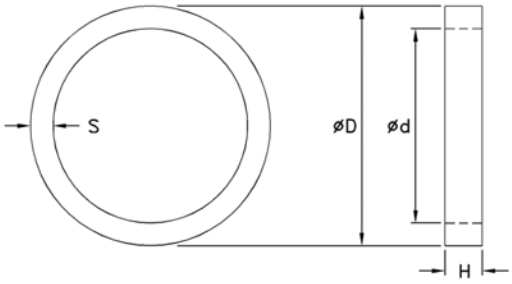
Name: _____
Company:_____
Address: _____
City: _____
Zip: _____ Prov.: _____
Telephone: _____
Fax: _____

PROFILE CHART FOR SEAL MANUFACTURING

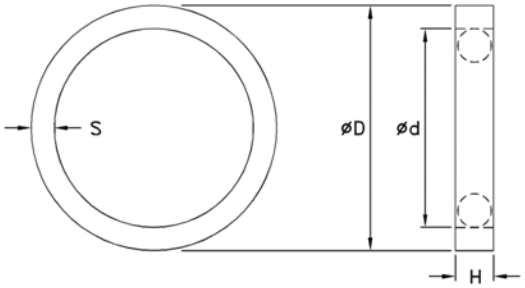
☐ **BACKUP RING**



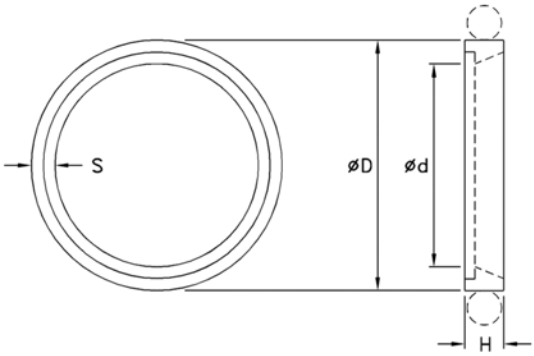
☐ **BEARING**



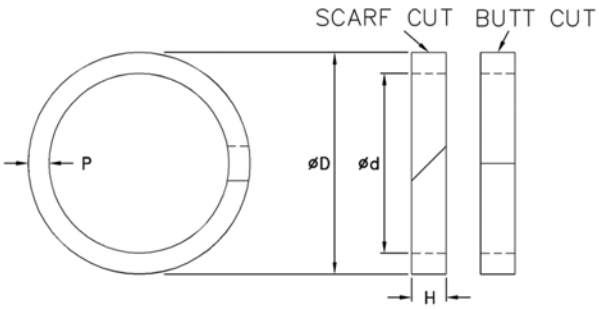
☐ **PISTON SEAL**



☐ **STEP SEAL**



☐ **WEAR RING**



☐ Inch ☐ Metric

Ød: _____ ± _____

ØD: _____ ± _____

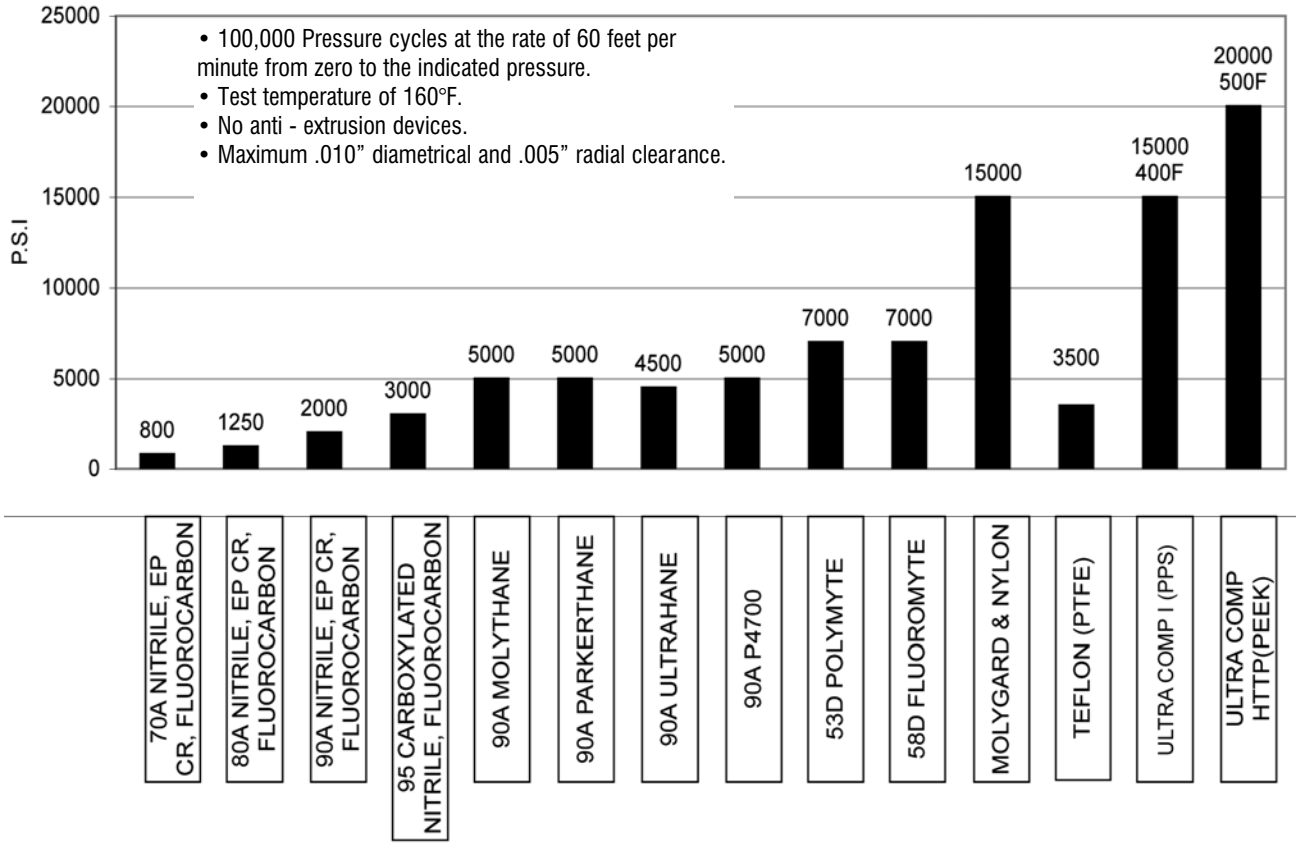
H: _____ ± _____

S: _____ ± _____

Material	Temperature Range	Description
ELASTOMERIC MATERIALS		
Nitrile (Buna N; NBR)	-65°F to +250°F some to 275°F (-54°C to +121°C)	Most common polymer used in petroleum fluids, water and gas service and hydraulic fluids. Good abrasion resistance, tensile strength and compression set resistance.
Carboxylated Nitrile (Nitroxile; internally lubed)	-20°F to +250°F some to 275°F (-28°C to +121°C)	Carboxylated Nitriles are known for their extremely good abrasion resistance. Has excellent resistance to petroleum base oils, hydrocarbon fuels and water. Lubed versions offer exceptionally low friction characteristics (N4274).
Ethylene Propylene (EPM, EPDM)	-65°F to +300°F (-54°C to +149°C)	Good resistance to hydrogen-sulfide, brake fluid and carbon dioxide. Excellent resistance to hot steam, water, water base fluids, weak acids and alkalis. New formulations allow for use in steam to 600°F.
Fluorocarbons	-20°F to +400°F (-29°C to +204°C) (Serviceable to 450°F/232°C with lowered service life)	Resistance to corrosive gases and fluids is superior to Nitriles. Has good breadth of chemical resistance and wide temperature range. New formulations give excellent results in down-hole oilfield applications.
Chloropren (Neoprene; CR)	-45°F to +300°F (-43°C to +149°C)	Limited application in fluids such as liquified petroleum gases (LPG), ammonia (amines) and many freons. Oxidation resistance is excellent. Oil resistance moderate.
ELASTO PLASTIC MATERIALS		
Polyurethanes (AU; EU; Urethane) - have excellent resistance to petroleum oils, hydrocarbon fluids and fuels, oxygen, ozone and weathering.		
P4300	-40°F to +275°F (-40°C to +135°C)	High performance Polyurethane designed for better physical properties. Improved compression set and rebound properties give increased sealing capabilities.
P4700	-31°F to +225°F (-35°C to +110°C)	Superior Polyurethane designed for enhance physical properties. Increased sealing capabilities resulting from improved compression set and rebound properties.
P4693	-65°F to +200°F (-54°C to +94°C)	Premium Polyurethane formulated for improved physical properties. Improved compression set and rebound properties gives increased sealing capability.
Molythane	-65°F to +200°F (-54°C to +94°C)	Polyurethane impregnated with Molybdenum-disulfied (MoS2) for built-in internal lubrication. Excellent wear and abrasion resistance.
Parkerthane	-40°F to +190°F (-40°C to +88°C)	Improved blend of Polyurethane compounded for high extrusion resistance. Available with fiberglass reinforcement.
Ultrathane	-65°F to +225°F (-54°C to +107°C)	Unique blend of Polyurethane impregnated with a proprietary internal lubricant. This blend gives lower friction, reduces heat build-up which reduces wear.
PLASTIC ALLOY MATERIALS		
Parker technology,alloying of more rigid thermoplastic materials with organo-plastic materials, yields compounds that meet requirements for pressure response and stability with increased thermal and chemical resistance. Have tensile properties and toughness approaching that of Polyurethane elastomers.		
PolyMyte (Note: 3 types available) 48D durometer hardness 53D durometer hardness 65D durometer hardness	-65°F to +275°F (-54°C to +135°C) (Low temperature brittle point -65°F / 68°C)	Polyester alloy. High tear strength, abrasion and extrusion resistance. Excellent resistance to petroleum fluids, many phosphate ester fluids, some chlorinated hydraulic fluids, up to 180°F in water, oxygen, common solvents, dilute bases and mineral acids. Good resistance to hostile environments.

COMPOUND SELECTION GUIDE (CONT'D)

Material	Temperature Range	Description
FluoroMyte	-65°F to +300°F (-54°C to +149°C)	Comparable physical properties to PolyMyte. Higher temperature capabilities and less friction than PolyMyte.
Other Parker Materials		
Molygard	-65°F to +250°F (-54°C to +121°C)	Proprietary compound of filled nylon material for load bearing and anti-extrusion.
Nylatron (Nylon)	-65°F to +250°F (-54°C to +121°C)	Abrasion resistant for anti-extrusion devices, bearings or engineered parts. Resistant to most petroleum based fluids. May be used with phosphate ester hydraulic fluids, ketones, alkalis and weak acids.
Polytetrafluoroethylene (PTFE)	Cryogenic to +400°F (Cryogenic to +204°C)	Used in wiper rings or in anti-extrusion devices, either filled or unfilled. Outstanding chemical resistance, offers extremely low friction.
Ultra Comp I Polyphenylene Sulfide (PPS)	-65°F to +400°F (-54°C to +260°C)	Used for replacing brass, bronze and other metallic members in sealing and back-up systems. Can be reinforced with materials such as glass, PTFE and Molybdenum-disulfide.
Ultra Comp HTP Polyether ether Ketone (PEEK)	-65°F to +500°F (-54°C to +260°C)	High temperature and pressure compound. Also available in glass-filled and carbon filled versions. Good extrusion resistance at high temperatures. Has excellent chemical resistance at high temperatures. Suitable as back-up devices and special sealing elements.



A

Adhesives, Hernon® ..... H8 - H16

Anaerobic Products ..... H10 - H15

Anti - Extrusion Rings
Inch ..... C25 - C28 / G44 - G54
Metric ..... J11 - J13 / O90 - O93

Anti - seize H17

B

Back - Up Rings
Inch ..... C25 - C28, G44 - G54
Metric ..... O90 - O93

Ball Bearings, Spherical
Inch ..... F30 - F32
Metric ..... N43 - N44

Bearings
Telescoping Cylinder ..... F18 - F19

Block Vee (8400 U - CUPS) ..... C39 - C42

Bonded Seals
Inch ..... G55 - G58
Metric ..... O94 - O96

BP Seals ..... D29 - D31

Buffer Rings
Inch
BR – Type B16, B20
Caterpillar® Type ..... B22 - B25
HBY – Type ..... B21 - B22
Step - Seal Type ..... B25 - B30
R2B Type ..... B31 - B32
Metric
Caterpillar® Type J33
HBY - Type (RH) ..... J32 - J33
Step - Seal Type (RZ) ..... J34 - J36

Bushing DU - Style
Inch ..... F20 - F29
Metric ..... N31 - N41

C

Canned Wipers
Inch ..... A35 - A45
Metric ..... I21 - I40

Cap Plugs ..... H2 - H7

Capped T - Seals
Inch ..... D53 - D55
John Deere® D55
Metric ..... L28 - L30
Caterpillar® Type L30

Cast Iron Piston Rings ..... D56 - D62 / L18

Chem - Cast® Style Piston Rings
Inch ..... D48 - D52
Caterpillar® Type ..... D49 - D51
Metric ..... L25 - L27
P2G ..... L25 - L26
Caterpillar® Type ..... L26 - L27

Commercial®
Wipers A21
Piston rings D62

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Cord Stock
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Inch ..... B35 - B37
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D

D - Loc Style Rod Seals
Inch ..... B11 - B12

D - Wipers ..... A7 - A14

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"DV" (Metric) Bushing.....N31 - N41

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Edbro® Piston Cups.....D13

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Metric.....I40 - I44

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Fabric U - Cups.....C42 - C44

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Metric.....O94 - O96

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G

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Metric.....N31 - N41

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Homogeneous U - Cups.....C45 - C47

H - Wipers.....A15 - A17

Hyco®
Wipers.....A22
Piston rings.....D61
Bearings.....F18

Hydro - Component® Products.....E10 - E11

Hyster® Wipers.....A23

I

Internal Snap Rings.....H19 - H20, H22

Instant Adhesives.....H8

J

John Deere® Capped T - Seal.....D55

J - Wipers.....A35 - A45

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K - Wipers.....A18 - A21

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Metric.....N31 - N41

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Inch .....A33 - A45
Metric .....I21 - I39

Modular Back - Ups.....C25 - C28

N

Non - Symmetrical U - Cups
Inch
Piston.....D2 - D8
Rod .....B2 - B20
Metric
Piston.....L2 - L15
Rod .....J2 - J10 / J14 - J28

Nylon Bearings
Telescoping Cylinders .....F18 - F19

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Inch .....D48 - D52
Metric .....L25 - L27

O

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O-Ring
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O-Ring Cord
Inch G40
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Parker Hannifin® Piston Rings.....D60

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Deep.....C12 - C17
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Metric ..... L21 - L23, L28 - L30

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S

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Inch ..... B25 - B30
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T

T - Seals
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Non Symmetrical
Rod ..... B2 - B19
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Vee Packings
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W

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X

X - Rings (Quad Rings)
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Z

Zero Gap Piston Seals D52

NUMERICAL LISTING

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8400 U - Cups ..... C39 - C42

160G Piston Rings ..... D40 - D40

169B Piston Rings ..... D41 - D42

169G Piston Rings ..... D42 - D43

169U Piston Rings ..... D43 - D44

8700 Back - Up Rings G53



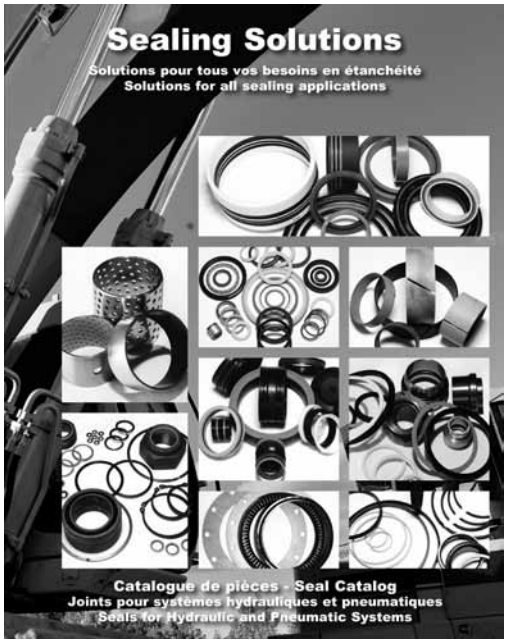


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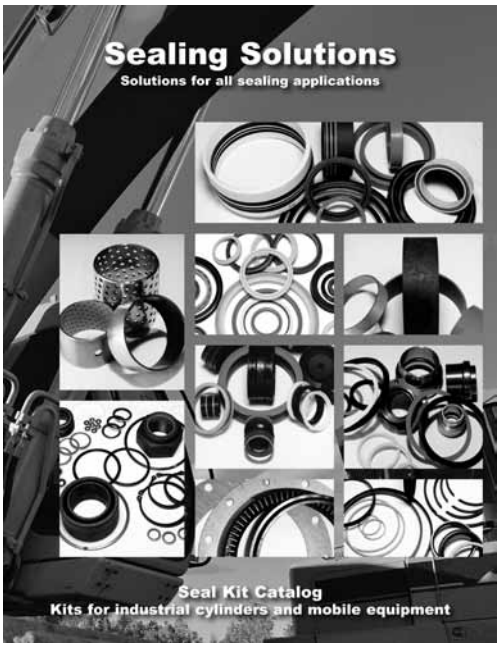
Shaft Seal Catalog



Seal Catalog



Seal Kit Catalog



Industrial Catalog



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