

O-Ring Chart

Oring = 2-### Boss = 3-9### Quad Ring = 4-### Custom = 5-### Square = TS-### Backup = 8-### #-###/ Material

Cross Section:						Cross Section:						Cross Section:										
Fraction	1/16	3/32	1/8	3/16	1/4	1/16	3/32	1/8	3/16	1/4					3/32	1/8	3/16	1/4				
Actual	0.070	0.103	0.139	0.210	0.275	0.070	0.103	0.139	0.210	0.275					0.103	0.139	0.210	0.275				
Nominal	0.063	0.093	0.125	0.187	0.250	0.063	0.093	0.125	0.187	0.250					0.093	0.125	0.187	0.250				
mm	1.78	2.62	3.53	5.33	6.99	1.78	2.62	3.53	5.33	6.99					2.62	3.53	5.33	6.99				
Inside Diameter (ID):						Inside Diameter (ID):						Inside Diameter (ID):										
Fraction	Decimal	mm				Fraction	Decimal	mm				Fraction	Decimal	mm								
1/32	0.031	0.79	001*			2 3/16	2.188	55.58		139		7	7.000	177.80	167	262	365	441				
3/64	0.047	1.19	002*			2 1/4	2.250	57.15	035	140	228	331	407	7 1/4	7.250	184.15	168	263	366	442		
1/16	0.063	1.59	003	102		2 5/16	2.313	58.75		141				7 1/2	7.500	190.50	169	264	367	443		
5/64	0.078	1.98	004			2 3/8	2.375	60.32	036	142	229	332	408	7 3/4	7.750	196.85	170	265	368	444		
3/32	0.094	2.38	005	103		2 7/16	2.438	61.93		143				8	8.000	203.20	171	266	369	445		
1/8	0.125	3.18	006	104		2 1/2	2.500	63.50	037	144	230	333	409	8 1/4	8.250	209.55	172	267	370			
5/32	0.156	3.97	007	105		2 9/16	2.563	65.10		145				8 1/2	8.500	215.90	173	268	371	446		
3/16	0.188	4.76	008	106	201	2 5/8	2.625	66.68	038	146	231	334	410	8 3/4	8.750	222.25	174	269	372			
7/32	0.219	5.56	009	107		2 11/16	2.688	68.27		147				9	9.000	228.60	175	270	373	447		
1/4	0.250	6.35	010	108	202	2 3/4	2.750	69.85	039	148	232	335	411	9 1/4	9.250	234.95	176	271	374			
5/16	0.313	7.94	011	109	203	2 13/16	2.813	71.45		149				9 1/2	9.500	241.30	177	272	375	448		
3/8	0.375	9.53	012	110	204	2 7/8	2.875	73.02	040	150	233	336	412	9 3/4	9.750	247.65	178	273	376			
7/16	0.438	11.11	013	111	205	309	3	3.000	76.20	041	151	234	337	413	10	10.000	254.00		274	377	449	
1/2	0.500	12.70	014	112	206	310	3 1/8	3.125	79.38			235	338	414	10 1/2	10.500	266.70		275	378	450	
9/16	0.563	14.29	015	113	207	311	3 1/4	3.250	82.55	042	152	236	339	415	11	11.000	279.40		276	379	451	
5/8	0.625	15.88	016	114	208	312	3 3/8	3.375	85.73			237	340	416	11 1/2	11.500	292.10		277	380	452	
11/16	0.688	17.46	017	115	209	313	3 1/2	3.500	88.90	043	153	238	341	417	12	12.000	304.80		278	381	453	
3/4	0.750	19.05	018	116	210	314	3 5/8	3.625	92.07			239	342	418	12 1/2	12.500	317.50				454	
13/16	0.813	20.64	019	117	211	315	3 3/4	3.750	95.25	044	154	240	343	419	13	13.000	330.20		279	382	455	
7/8	0.875	22.23	020	118	212	316	3 7/8	3.875	98.43			241	344	420	13 1/2	13.500	342.90				456	
15/16	0.938	23.81	021	119	213	317	4	4.000	101.60	045	155	242	345	421	14	14.000	355.60		280	383	457	
1	1.000	25.40	022	120	214	318	4 1/8	4.125	104.77			243	346	422	14 1/2	14.500	368.30				458	
1 1/16	1.063	27.00	023	121	215	319	4 1/4	4.250	107.95	046	156	244	347	423	15	15.000	381.00		281	384	459	
1 1/8	1.125	28.58	024	122	216	320	4 3/8	4.375	111.13			245	348	424	15 1/2	15.500	393.70				460	
1 3/16	1.188	30.18	025	123	217	321	4 1/2	4.500	114.30	047	157	246	349	425	16	16.000	403.40		282	385	461	
1 1/4	1.250	31.75	026	124	218	322	4 5/8	4.625	117.48			247	350	426	16 1/2	16.500	419.10				462	
1 5/16	1.313	33.35	027	125	219	323	4 3/4	4.750	120.65	048	158	248	351	427	17	17.000	431.80		283	386	463	
1 3/8	1.375	34.93	028	126	220	324	4 7/8	4.875	123.82			249	352	428	17 1/2	17.500	444.50				464	
1 7/16	1.438	36.53		127	221		5	5.000	127.00	049	159	250	353	429	18	18.000	457.20		284	387	465	
1 1/2	1.500	38.10	029	128	222	325	401	5 1/8	5.125	130.17			251	354	430	18 1/2	18.500	469.90				466
1 9/16	1.563	39.70		129				5 1/4	5.250	133.35	050	160	252	355	431	19	19.000	482.60			388	467
1 5/8	1.625	41.28	030	130	223	326	402	5 3/8	5.375	136.53			253	356	432	19 1/2	19.500	495.30				468
1 11/16	1.688	42.88		131				5 1/2	5.500	139.70		161	254	357	433	20	20.000	508.00			389	469
1 3/4	1.750	44.45	031	132	224	327	403	5 5/8	5.625	142.88			255	358	434	21	21.000	533.40			390	470
1 13/16	1.813	46.05		133				5 3/4	5.750	146.05		162	256	359	435	22	22.000	558.80			391	471
1 7/8	1.875	47.63	032	134	225	328	404	5 7/8	5.875	149.23			257	360	436	23	23.000	584.20			392	472
1 15/16	1.938	49.23		135				6	6.000	152.39		163	258	361	437	24	24.000	609.59			393	473
2	2.000	50.80	033	136	226	329	405	6 1/4	6.250	158.75		164	259	362	438	25	25.000	635.00			394	474
2 1/16	2.063	52.40		137				6 1/2	6.500	165.10		165	260	363	439	26	26.000	660.40			395	475
2 1/8	2.125	53.97	034	138	227	330	406	6 3/4	6.750	171.45		166	261	364	440							

N70 N90	BUNA (Nitrile) General Purpose -40°F to 250°F 70 - 90 Duro		NEOPRENE Refrigeration -45°F to 250°F		C70 C0944
V75BL V90	FLUOROCARBON (Viton) High Temperature -15°F to 400°F 75 - 90 Duro		ETHYLENE PROPYLENE (EPDM) Hot Water, Steam -75°F to 300°F		E70 E0540
S70	SILICONE High Temperature -65°F to 450°F 70 Duro		POLYURETHANE High Pressure -20°F to 250°F		U90
FF200 SZ495	PARAFLUOR®/KALREZ®/SIMREZ® Oilfield Chemical Resistance 5°F to 600°F		HSN (Highly Saturated Nitrile) Oilfield Chemical Resistance -25°F to 325°F		HSN80 HSN90
AFLAS80 AFLAS90	AFLAS H2S, Steam, Acids 25°F to 400°F		TEFLON Food Applications Chemical Resistance -250°F to 450°F		TF

Boss = 3-9### **O-RINGS FOR STRAIGHT THREAD TUBE FITTINGS**

AS 568A No.	Tube O.D. Ref.	I.D.	C/S	AS 568A No.	Tube O.D. Ref.	I.D.	C/S	AS 568A No.	Tube O.D. Ref.	I.D.	C/S	AS 568A No.	Tube O.D. Ref.	I.D.	C/S
-901	3/32	.185	.056	-906	3/8	.468	.078	-911	11/16	.863	.116	-918	1 1/8	1.355	.116
-902	1/8	.239	.064	-907	7/16	.530	.082	-912	3/4	.924	.116	-920	1 1/4	1.475	.118
-903	3/16	.301	.064	-908	1/2	.644	.087	-913	13/16	.986	.116	-924	1 1/2	1.720	.118
-904	1/4	.351	.072	-909	9/16	.706	.097	-914	7/8	1.047	.116	-928	1 3/4	2.090	.118
-905	5/16	.414	.072	-910	5/8	.755	.097	-916	1	1.171	.116	-932	2	2.337	.118