

need a seal...we have the solution



fluidseal
AB Inc.

METAL FACE SEALS: DUO-CONE



SERVICE BEYOND CUSTOMER EXPECTATIONS

FLUIDSEAL AB INC

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METAL FACE SEALS

Heavy-Duty Metal Face Seals are sealing systems for heavy construction vehicles and agricultural equipment. The seals are found in the Final Drives, Sprockets and Track Rollers in tracked equipment and in Axles, Drive Trains and Wet Brakes in wheeled equipment. These Heavy-Duty Seals are also exclusively used in Tunnel Boring and Underground Mining Machinery.

FLUIDSEAL represents the world's premier engineering and manufacturing company of Heavy Duty Seals -- GOETZE. Goetze seal engineers developed the "O-Ring Style" seal over 40 years ago, and since that time it has become the preferred system for EXTREME APPLICATIONS. Goetze seals are the highest quality seals in the world today and Goetze manufactures more sizes of these seals than anyone else.

Sometimes referred to as Toric Seals, this sealing system is recognized as the preferred method for protecting bearings, gears and their lubricants from abrasive media and severe environments. The construction of the seal is conducive to simple and cost-effective designs. The face seal consists of two metallic seal rings which have the same geometric contour and are flexibly located in O-rings. The function of these O-rings, which act as springs, is to maintain axial sealing pressure, provide a static seal between the seal ring and housing bore, and transmit frictional torque. The seal is designed so that one of the two seal rings rotates while the other is stationary. It is superior to all other forms of radial or axial sealing owing to its small space requirement, simple construction and wear resistance. From tractors to trenchers, GOETZE seals are hard at work with OEM's all over the world.

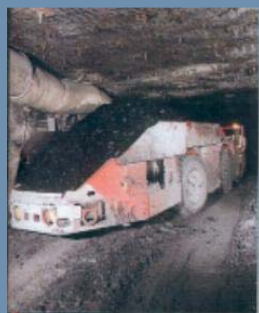
Goetze seals are original equipment on most of the heavy construction and mining machinery that is manufactured in Europe, such as O&K, Liebherr, Krupp, Atlas-Copco, Terex, Eickoff, Bomag, Intertractor, Demag and many others.

As well, Goetze seals are in an ever increasing number of American products from Joy Technologies, Euclid-Hitachi, Robbins, John Deere, Case New Holland, Letourneau and Unit Rig to name a few.

METAL FACE SEALS

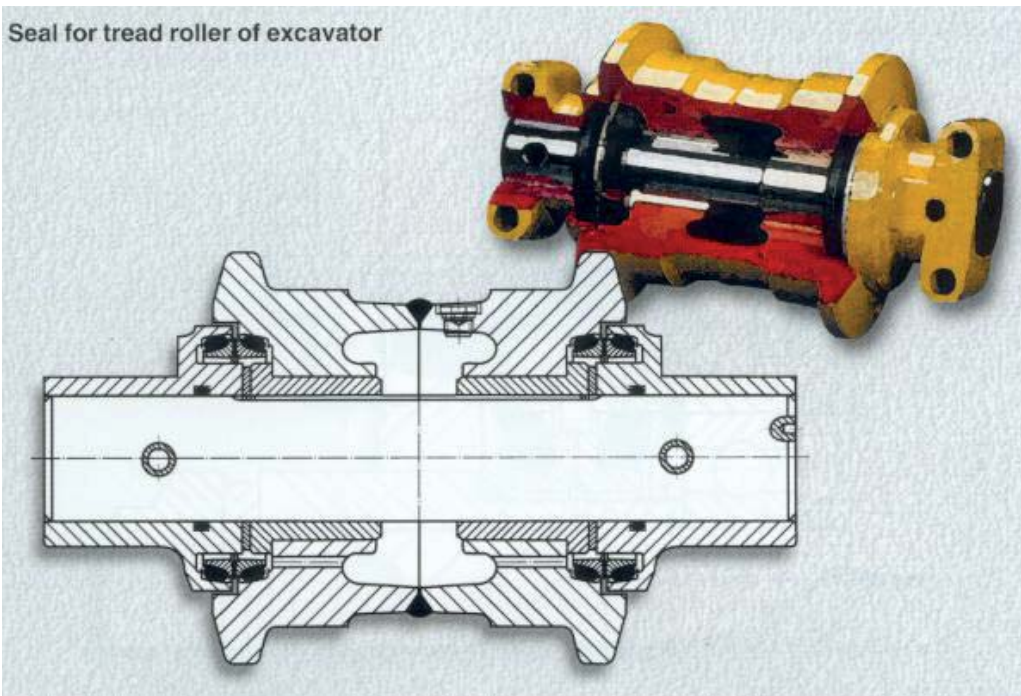
Seal Applications Include:

- Tread Rollers
- Idlers & Final Drives
- Rigid Axles
- Steering Drive Axles
- Gearboxes
- Wheel Units

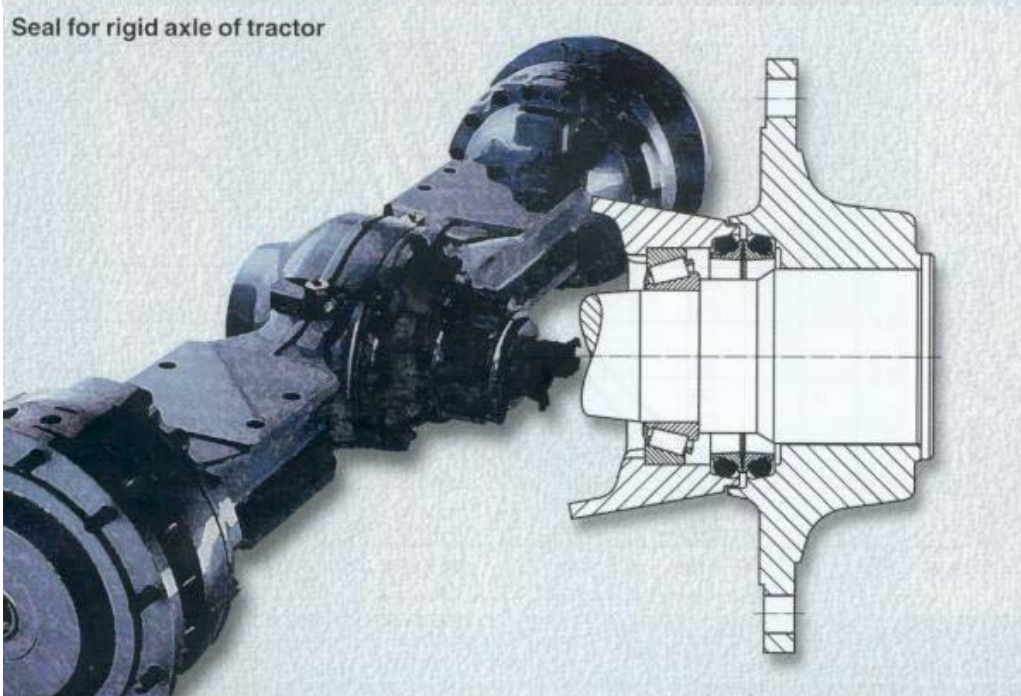


METAL FACE SEALS

Seal for tread roller of excavator



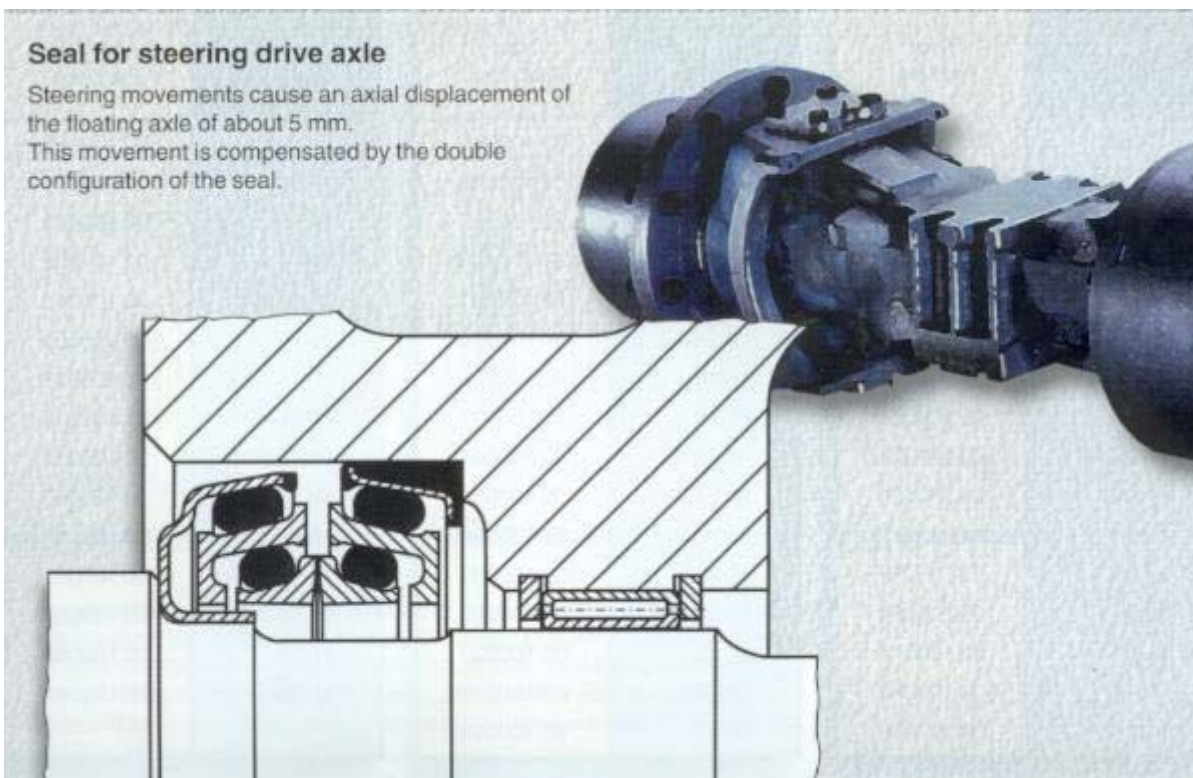
Seal for rigid axle of tractor



METAL FACE SEALS

Seal for steering drive axle

Steering movements cause an axial displacement of the floating axle of about 5 mm. This movement is compensated by the double configuration of the seal.



METAL FACE SEALS



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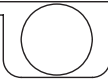
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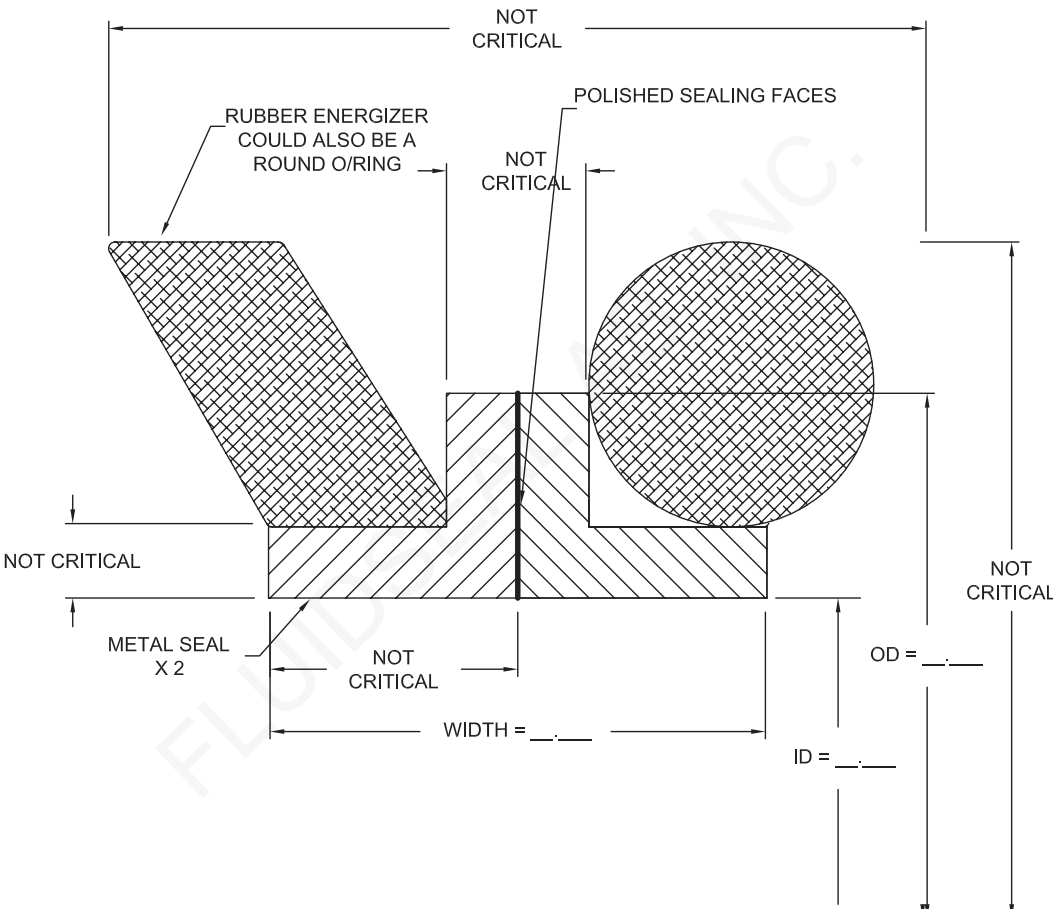
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METAL FACE SEALS

CATAPILLAR METAL FACE SEAL LIST

RCAT-1C9067	RCAT-6T8438	RCAT-6T9984	RCAT-8S5656	RCAT-9W6629	RCAT-9W6697
RCAT-1C9319	RCAT-6T8437	RCAT-6T9985	RCAT-9G5311	RCAT-9W6630	RCAT-9W6698
RCAT-1C9747	RCAT-6T8434	RCAT-6T9986	RCAT-9G5313	RCAT-9W6644	RCAT-9W6699
RCAT-1C9748	RCAT-6T8435	RCAT-6V2458	RCAT-9G5315	RCAT-9W6645	RCAT-9W6822
RCAT-1M8746	RCAT-5N7639	RCAT-6V3459	RCAT-9G5317	RCAT-9W6646	RCAT-9W7200
RCAT-1M8747	RCAT-5P0373	RCAT-6Y0855	RCAT-9G5319	RCAT-9W6667	RCAT-9W7201
RCAT-1M8748	RCAT-6T9986	RCAT-6Y0856	RCAT-9G5321	RCAT-9W6648	RCAT-9W7202
RCAT-1P7249	RCAT-5P0375	RCAT-6Y0857	RCAT-9G5323	RCAT-9W6666	RCAT-9W7203
RCAT-1Z9354	RCAT-6T9984	RCAT-6Y0858	RCAT-9G5333	RCAT-9W6667	RCAT-9W7204
RCAT-2P3395	RCAT-9W4650	RCAT-6Y0859	RCAT-9G5339	RCAT-9W6668	RCAT-9W7205
RCAT-2M2858	RCAT-9W4651	RCAT-6Y0860	RCAT-9G5341	RCAT-9W6669	RCAT-9W7206
RCAT-3P1848	RCAT-5P2498	RCAT-6Y3332	RCAT-9G5343	RCAT-9W6670	RCAT-9W7207
RCAT-9W4652	RCAT-6T9985	RCAT-6Y5218	RCAT-9G5347	RCAT-9W6671	RCAT-9W7209
RCAT-3Q5424	RCAT-5P7143	RCAT-6Y5219	RCAT-9G5349	RCAT-9W6672	RCAT-9W7211
RCAT-3S0303	RCAT-5P7146	RCAT-6Y6273	RCAT-9G5977	RCAT-9W6673	RCAT-9W7213
RCAT-3T6541	RCAT-5P8404	RCAT-6Y6274	RCAT-9G5345	RCAT-9W6674	RCAT-9W7214
RCAT-3T6602	RCAT-5P9121	RCAT-6Y6275	RCAT-9W0054	RCAT-9W6675	RCAT-9W7215
RCAT-3T6604	RCAT-5Z6284	RCAT-6Y6276	RCAT-9W2627	RCAT-9W6676	RCAT-9W7216
RCAT-3T8500	RCAT-6D1190	RCAT-6Y6277	RCAT-9W3732	RCAT-9W6677	RCAT-9W7220
RCAT-3T9117	RCAT-6S3285	RCAT-6Y6278	RCAT-9W3956	RCAT-9W6680	RCAT-9W7223
RCAT-4C1494	RCAT-6T2815	RCAT-7G0519	RCAT-9W4650	RCAT-9W6681	RCAT-9W7224
RCAT-4C1967	RCAT-6T2981	RCAT-6T8436	RCAT-9W4651	RCAT-9W6684	RCAT-9W7225
RCAT-4C2002	RCAT-6T3377	RCAT-7S1527	RCAT-9W4652	RCAT-9W6685	RCAT-9W7228
RCAT-4C2015	RCAT-6T4316	RCAT-7T2459	RCAT-9W5977	RCAT-9W6686	RCAT-9W7230
RCAT-4C2016	RCAT-6T6802	RCAT-8E8338	RCAT-9W5978	RCAT-9W6688	RCAT-9W7231
RCAT-4D4510	RCAT-6T6803	RCAT-8E8339	RCAT-9W5979	RCAT-9W6689	RCAT-9W7331
RCAT-4D8960	RCAT-6T8434	RCAT-8E8340	RCAT-9W6616	RCAT-9W6690	RCAT-9W7332
RCAT-4K6049	RCAT-6T8435	RCAT-8E8341	RCAT-9W6619	RCAT-9W6691	RCAT-9W7724
RCAT-4S5001	RCAT-6T8436	RCAT-8E8342	RCAT-9W6620	RCAT-9W6692	RCAT-9W9230
RCAT-4S8984	RCAT-6T8437	RCAT-8L5516	RCAT-9W6621	RCAT-9W6693	RCAT-9W7241
RCAT-5K1078	RCAT-6T8438	RCAT-8L5519	RCAT-9W6622	RCAT-9W6694	RCAT-9W7243
RCAT-5K5288	RCAT-6T8439	RCAT-8P1857	RCAT-9W6623	RCAT-9W6695	
RCAT-5K6191	RCAT-6T8440	RCAT-8P1849	RCAT-9W6625	RCAT-9W6696	

 FLUIDSEAL AB. INC.		MFS-TEMPLATE	
DESCRIPTION		METAL-FACE-SEAL	

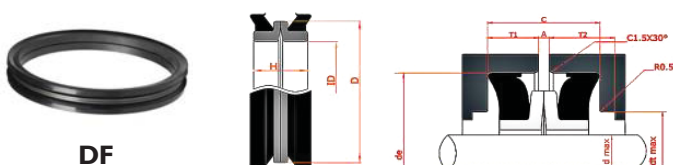
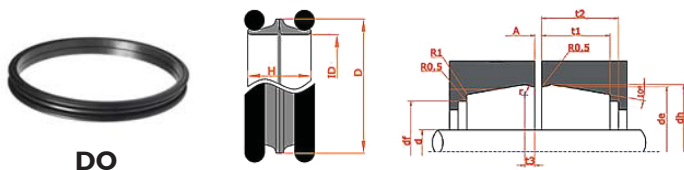


MATERIAL		UNIT OF MEASURE	INCHES			SPECIFICATIONS		
DUROMETER	NA					SOLID		
DURO. SCALE	NA	DRAWING SCALE	NTS	DRAWN BY	T.M	APP'VD BY		
THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE USED W/O THE CONSENT OF FLUIDSEAL AB. INC.								

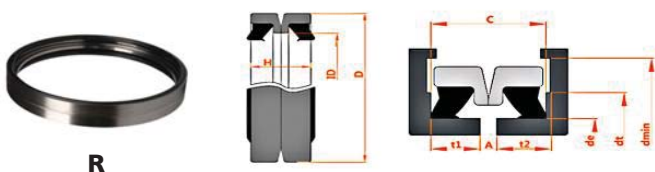
CUSTOMER NUMBER	6XXXX	CUSTOMER'S DRAWING NO.	
CUSTOMER NAME	6XXXX	CUSTOMER'S PART NUMBER	

DUO CONE SEALS

Duo-Cone Face Seal (D0)



Media Conversion Face Seal (R)

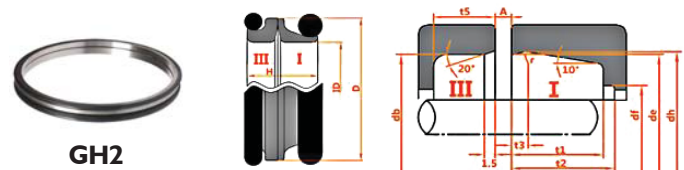
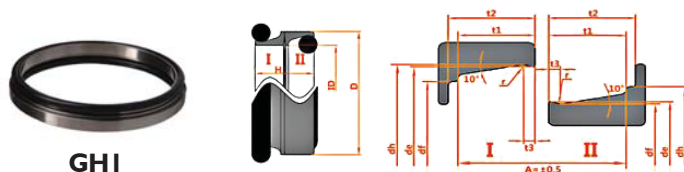


RO Type Face Seal



G Type Face Seal

GH1 Type Face Seal



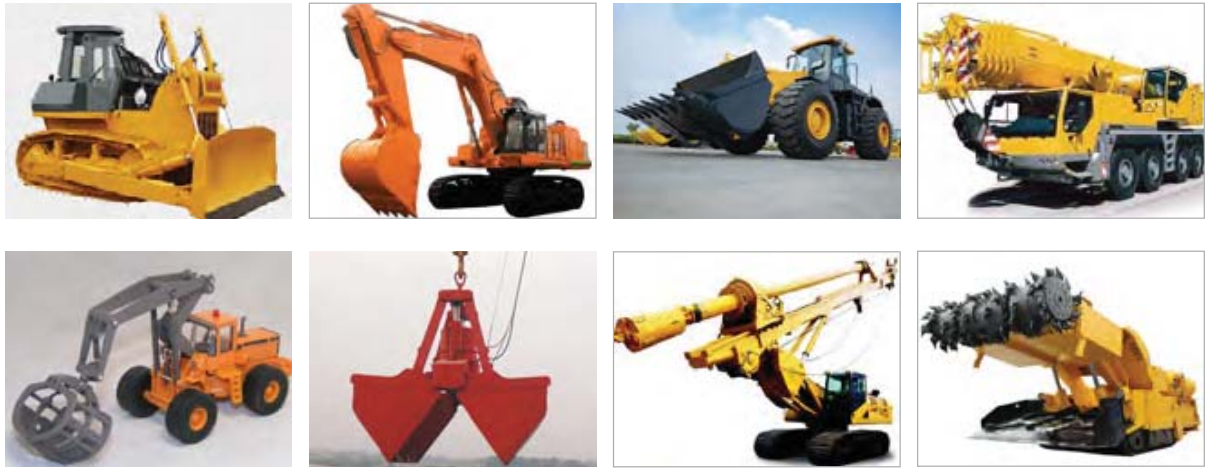
GH2 Type Face Seal

DUO CONE

METAL FACE SEALS



Applications



DO
Duo Cone Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



CAT Duo Cone Seals
Duo Cone Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



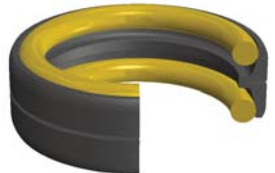
DF
Heavy Duty Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



R
Media Conversion Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



RO
Duo Cone Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



G
Duo Cone Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



GH1
Duo Cone Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



GH2
Duo Cone Face Seal
Temp: ____ / ____ °F
Pressure: ____ PSI
Profile Description:



need a seal...we have the solution



fluidseal

AB Inc.

NOTES

A decorative background featuring a series of horizontal black lines. Overlaid on these lines are several thick, yellow, wavy, and circular patterns that create a stylized, abstract design. The patterns vary in thickness and curvature, some resembling large loops or thick brushstrokes.



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