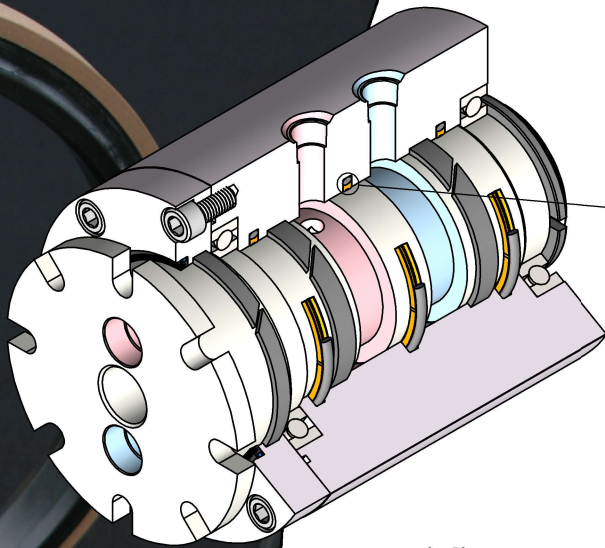




T-LON® "TRRI" Seal

- Low seal drag/friction
- Long seal life from T-LON® filled PTFE compounds
- Available for cylinders up to 20" diameter

Description:

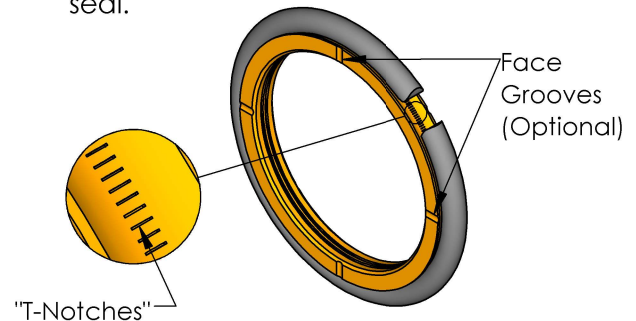
The TRRI rotary rod seal is a proven reliable seal for both low and high pressure systems. It is a double-acting filled T-LON® PTFE compound with an o-ring elastomer energizer offering premium sealability in slow rotating or oscillating applications. The filled PTFE seal ring is manufactured with an interference fit with the rod and optimum compression with the o-ring energizer. This offers excellent sealability at low pressures and high pressures when the housing cylinder experiences ballooning.

Preventing O-ring Slippage:

The TRRI PTFE rings come standard with "T-Notches" on the surface in contact with the o-ring. This helps resist slip between the PTFE sealing ring and the elastomer o-ring. Consult T-LON for other available proven options to resist slip.

Face Grooves (Optional):

For applications of high pressure rise rates, pressure spikes, and rapid change of direction, the seal is apt to experience blow-by. To prevent blow-by and to energize the seal rapidly, face grooves are added to both sides of the seal.



Applications:

- Spindles
- Hydraulic Swivel Couplings
- Hose Reels
- Manipulators
- Tricone and Single Roller Cone Earth Drilling Rotary Bits
- Horizontal Directional Drilling Reamers





- Most Common:

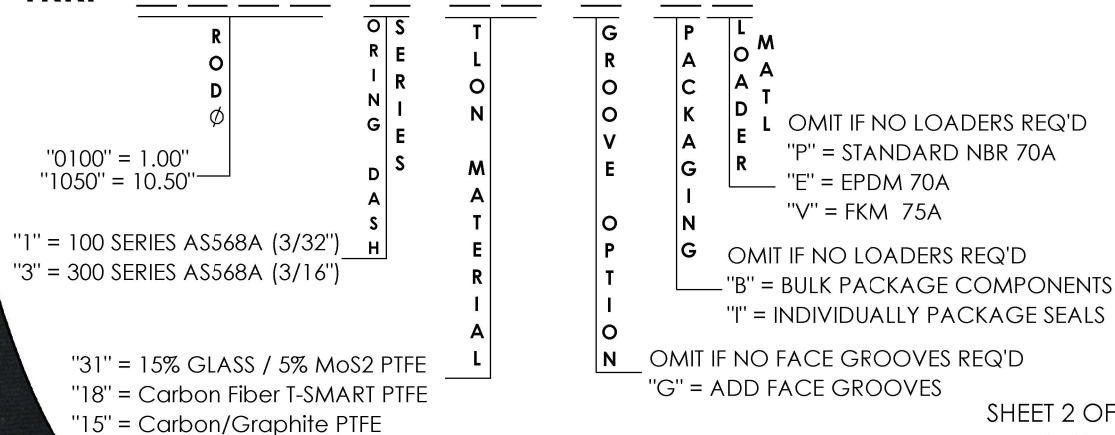
- Use with pressures up to 4350psi***
- Great sliding properties with moderate extrusion resistance

Loader Series	MAXIMUM E-GAP (in)		
	1500 PSI	3000 PSI	***Max Pressure
000	0.006	0.004	<u>H</u> bore
100	0.008	0.006	tolerance
200	0.010	0.008	/
300	0.012	0.010	<u>f</u> rod
400	0.012	0.010	tolerance

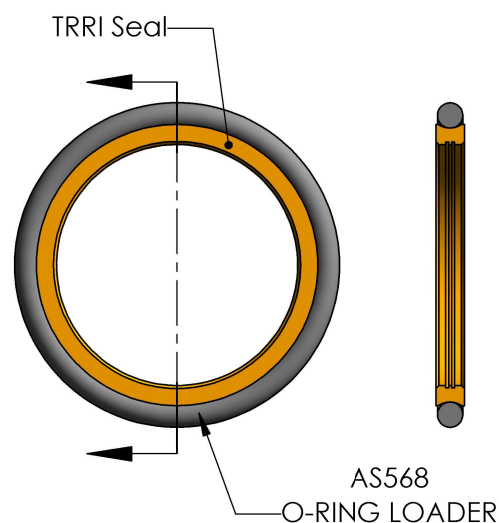
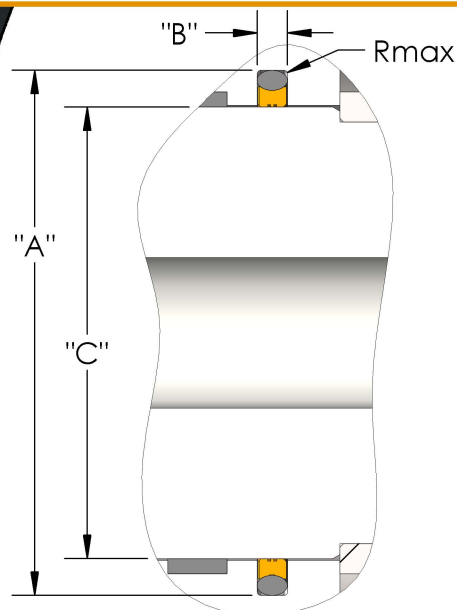
- Most Common:

- Working Temp. Range 0°F to 400°F
- Excellent resistance to ozone, oxygen, mineral oil, synthetic hydraulic fluids, fuels, and many organic solvents and chemicals.

TRRI -



T-LON® "TRRI" Series Rotary Rod Seal



T-LON "TRRI" Series Rod Seal Sizes (More Available Upon Request)
Groove dimensions for "TRRI" Series

Size	Rod Dia (C)	T O L	Groove Dimension			R _{max}	O-ring Loader Dash No.
			Dia. (A)	T O L	Width +.008 -.000 (B)		
0025-0	0.250	See E-Gap Table	0.443	+.002 -.000	0.087	0.016	-011
0038-0	0.375		0.568				-013
0050-0	0.500		0.693				-015
0063-0	0.625		0.818				-017
0075-1	0.750		1.045	+.003 -.000	0.126	0.024	-118
0088-1	0.875		1.170				-120
0100-1	1.000		1.295				-122
0113-1	1.125		1.420				-124
0125-1	1.250		1.545				-126
0150-2	1.500		1.933	+.003 -.000	0.165	0.040	-223
0175-2	1.750		2.183				-225
0200-2	2.000		2.433				-227
0225-2	2.250		2.683				-229
0250-2	2.500		2.933				-231
0275-2	2.750		3.183				-233
0300-2	3.000		3.433				-235
0325-2	3.250		3.683				-237
0350-2	3.500		3.933				-239
0400-2	4.000		4.433				-243
0450-2	4.500		4.933				-247
0500-2	5.000		5.433				-251
0550-2	5.500		5.933				-255
0600-2	6.000		6.433				-258
0525-3	5.250	See E-Gap Table	5.860	+.004 -.000	0.248	0.061	-357
0550-3	5.500		6.110				-359
0575-3	5.750		6.360				-361
0600-3	6.000		6.610				-362
0650-3	6.500		7.110	+.005 -.000	0.319	0.071	-364
0700-3	7.000		7.610				-366
0750-3	7.500		8.110				-368
0800-3	8.000		8.610				-370
0850-3	8.500		9.110	+.005 -.000	0.319	0.071	-372
0900-3	9.000		9.610				-374
0950-3	9.500		10.110				-376
1000-3	10.000		10.610				-377
1050-4	10.500		11.327	+.005 -.000	0.319	0.071	-450
1100-4	11.000		11.827				-451
1200-4	12.000		12.827				-453
1300-4	13.000		13.827				-455
1400-4	14.000		14.827	+.005 -.000	0.319	0.071	-457
1500-4	15.000		15.827				-459
1600-4	16.000		16.827				-461
1700-4	17.000		17.827				-463
1800-4	18.000		18.827	+.005 -.000	0.319	0.071	-465
1900-4	19.000		19.827				-467
2000-4	20.000		20.827				-469