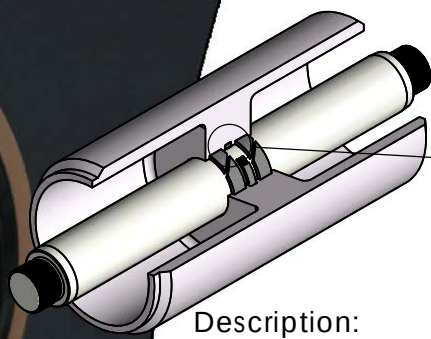
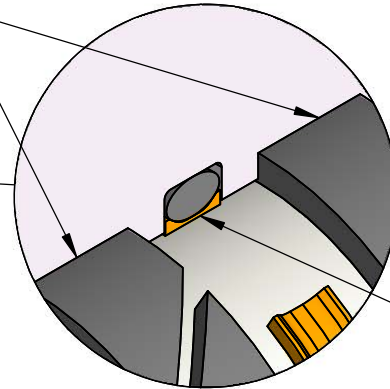




Wear Rings



T-LON® "ROC" Seal

Description:

The ROC series rod seal is a proven reliable seal for both low and medium pressure systems. They are designed to fit in standard o-ring glands for easy upgradable seals.

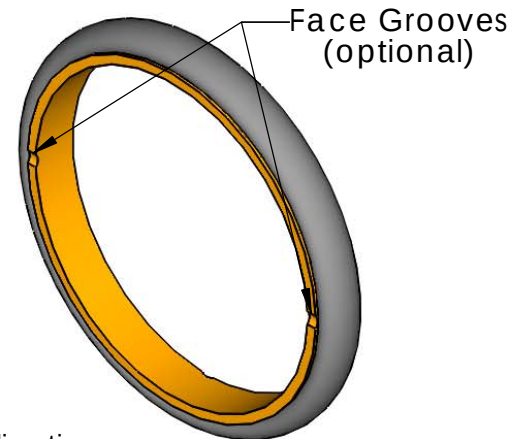
The ROC seal is a low profile double-acting filled T-LON® PTFE compound with an o-ring elastomer energizer designed for reciprocating or slow rotary applications with lower seal drag than o-ring/elastomer seals. The filled PTFE seal ring is manufactured with an interference fit with the rod and optimum compression with the o-ring energizer. This offers excellent sealability at low and high pressures. Since the energizers are standard AS568 o-ring sizes, many elastomer compounds are readily available.

Advantages:

- Low seal drag/friction (Minimize energy loss)
- No Stick-slip (Smooth Operation)
- Long seal life from T-LON® filled PTFE compounds
- Available for rods up to 20" diameter

Face Grooves (Optional):

For applications with 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.

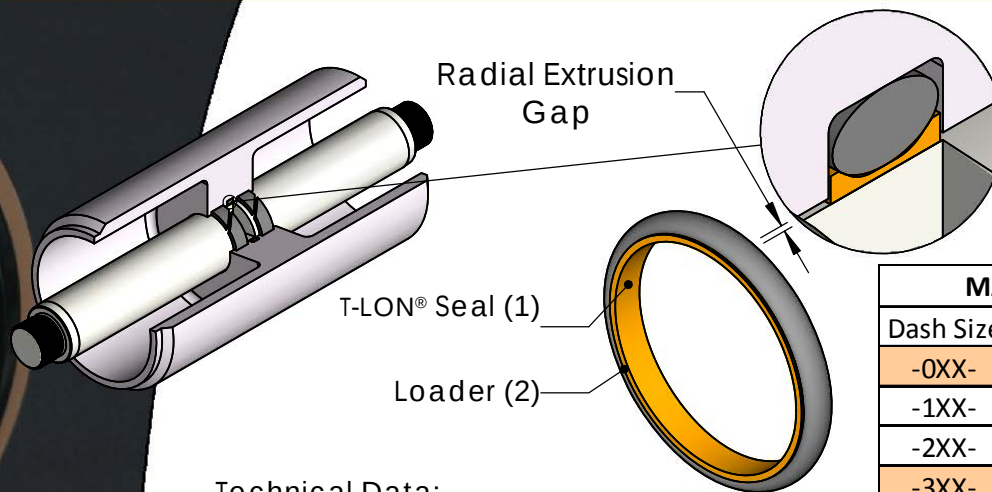


Face Grooves (optional)

Applications:

- Industrial Equipment
- Agriculture Equipment
- Hydraulic Valves and Pumps
- Static O-ring Glands (Prevents o-ring spiraling, Reduces friction/seal drag during assembly/disassembly)





MAXIMUM E-GAP (inch)***			
Dash Size	1500 PSI	3000 PSI	5000 PSI
-0XX-	0.004	0.003	0.002
-1XX-	0.006	0.004	0.003
-2XX-	0.008	0.006	0.003
-3XX-	0.010	0.008	0.004
-4XX-	0.012	0.010	0.006

***USE ROD WEAR RINGS SO E-GAP DOES NOT EXCEED TABLED VALUES

Technical Data:

- (1) T-LON® seal compound determines allowable pressure and velocity ranges
 - Velocity: Up to 12 ft/s
 - Pressure: Up to 5000 psi
 (Function of e-gap and T-LON® compound. Max velocity and pressure cannot be used together)

Most Common:

GLASS FILLED PTFE ("03")

- Good wear resistance for tubes with rougher surface finish
- Chemical resistant and low seal drag

MINERAL MoS2 FILLED PTFE ("41")

- Good wear resistance with lubricating additive
- Very low seal drag and low abrasiveness

- (2) Loader compound determines temperature and chemical compatibility

Most Common:

NBR SHORE 70 A ("P")

- Working Temp. Range -30°F to 230°F (250°F intermittent)
- Commonly used with greases, aliphatic hydrocarbon mineral and vegetable oils, and various hydraulic fluids

EPDM SHORE 70 A ("E")

- Working Temp. Range -50°F to 300°F (400°F steam intermittent)
- Commonly used with water, steam, water/ silicone/ glycol based fluids, and app's affected by ozone and weathering.

ORDERING INFORMATION

ROC - - - - -

See Table

"0" = 0 B/U Width

"1" = 1 B/U Width

"2" = 2 B/U Width

"120" = 1.000" Rod Seal

"226" = 2.000" Rod Seal

"03" = 15% Glass filled PTFE

"41" = 15% Mineral/MoS2 filled PTFE

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OMIT IF NO LOADERS REQ'D

"P" = STANDARD NBR 70A

"E" = EPDM 70A

"V" = FKM 75A

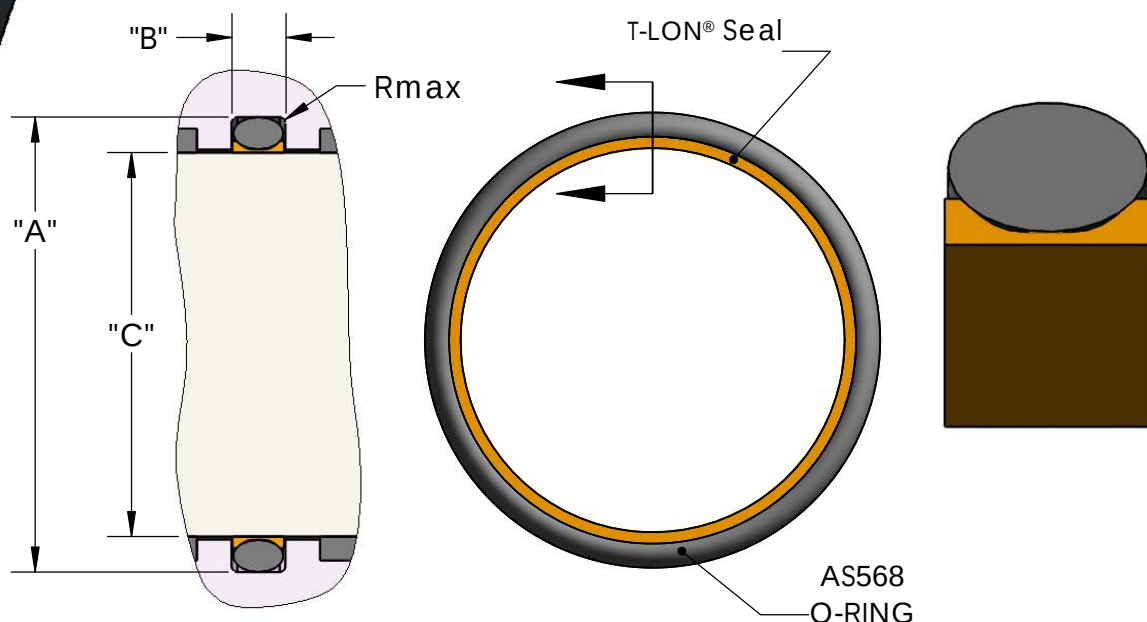
OMIT IF NO LOADERS REQ'D

"B" = BULK PACKAGE COMPONENTS

"I" = INDIVIDUALLY PACKAGE SEALS

OMIT IF NO FACE GROOVES REQ'D

"G" = ADD FACE GROOVES



T-LON® "ROC" Series Rod Seal Sizes
Groove dimensions for "ROC" Series

Available Dash Sizes	Rod Dia. h9 (C)	Recommended Rod Dia. Range	Groove Dimension				R _{max}
			Dia. H9 (A)	Width (B) "0" +.005/-.000	Width (B) "1" +.005/-.000	Width (B) "2" +.005/-.000	
-004 to -055	0.078 to 6.500	Up to 7/16"	Dia. C + .110	0.093	0.138	0.205	0.005
-102 to -178	0.063 to 9.750	1/2" - 13/16"	Dia. C + .175	0.140	0.171	0.238	0.005
-201 to -284	0.188 to 18.000	7/8" - 1-1/2"	Dia. C + .242	0.187	0.208	0.275	0.010
-309 to -389	0.438 to 20.000	1-5/8" - 4-3/8"	Dia. C + .370	0.281	0.311	0.410	0.020
-404 to -469	1.875 to 20.000	4-1/2" and up	Dia. C + .474	0.375	0.408	0.538	0.020