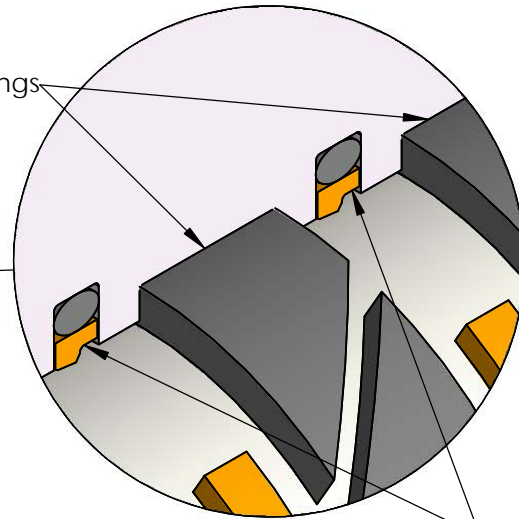


Wear Rings



T-LON® "SRM" Seal

Description:

With over 30 years of application success, the SRM stepped rod buffer seal is a proven reliable seal for both low and high pressure systems.

The SRM seal is a single-acting filled T-LON® PTFE compound with an o-ring elastomer energizer designed for reciprocating applications. The filled PTFE seal ring is manufactured with an interference fit with the rod and optimum compression with the o-ring energizer. The single-acting seal design must be assembled with the step facing the media to be sealed. The optimized lip profile removes the fluid film during rod extension and allows fluid return during rod retraction. To prevent seal damage during extreme pressure spikes, the stepped profile allows temporary leakage that is sealed by a secondary buffer seal to prevent fluid into the environment.

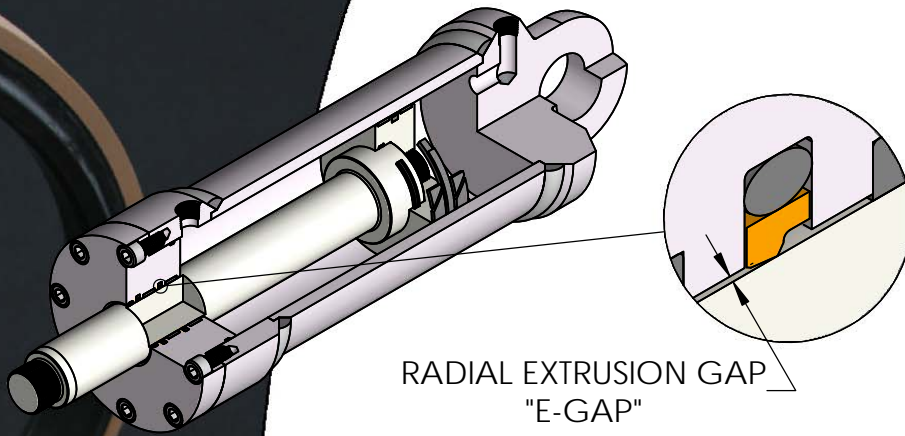
Advantages:

- 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 44" diameter

Applications:

- Industrial Hydraulic Cylinders
- Mobile Hydraulic Cylinders
- Agriculture Equipment
- Shock Absorbers
- Hydraulic hammers





RADIAL EXTRUSION GAP
"E-GAP"

MAXIMUM E-GAP (mm) (40% BZ PTFE)***			
O-RING SERIES	10 MPa	20 MPa	40 MPa
-0-	0.30	0.20	0.15
-1-	0.30	0.20	0.15
-2-	0.50	0.30	0.20
-3-	0.60	0.40	0.20
-4-	0.70	0.50	0.25
-4HD-	0.80	0.60	0.30

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

Technical Data:

- T-LON® seal compound determines allowable pressure and velocity ranges
 - Velocity: Up to 4 m/s
 - Pressure: Up to 60MPa (Function of e-gap and T-LON® compound. Max velocity and pressure cannot be used together)

Most Common:

BRONZE FILLED PTFE ("21" or "22")

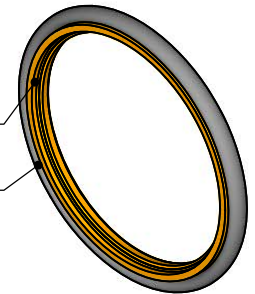
- Highest Extrusion Resistance (Higher bronze content increases extrusion/wear resistance; I.E. larger e-gap allowable)
- Good sealability

GLASS/MoS2 FILLED PTFE ("31")

- Good wear resistance for rods with rougher surface finish
- More chemical resistant and used in applications when seal could run dry

T-LON® Seal (1)

Loader (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

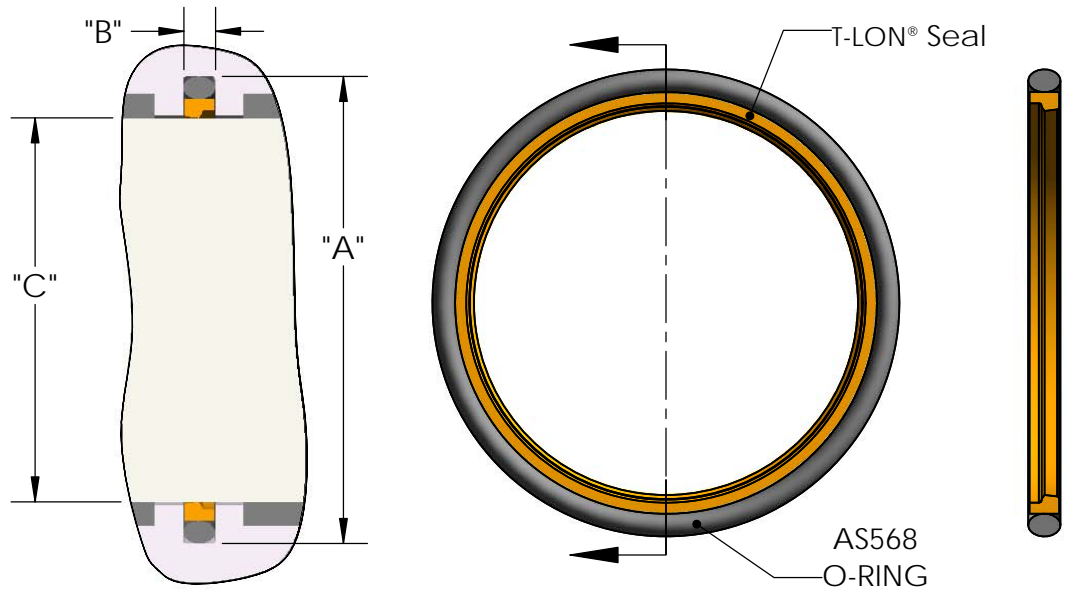
EPDM SHORE 70 A ("E")

- 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

SRM - - - - -

R O D Ø	L O A D E R S	T L O N M A T E R I A L	P A C K A G I N G	L O A D E R
"050" = 50mm "150" = 150mm				OMIT IF NO LOADERS REQ'D "P" = STANDARD NBR 70A "E" = EPDM 70A
"1" = 100 SERIES AS568A (3/32") "3" = 300 SERIES AS568A (3/16")				OMIT IF NO LOADERS REQ'D "B" = BULK PACKAGE COMPONENTS "I" = INDIVIDUALLY PACKAGE SEALS
	"21" = 40% BRONZE PTFE "22" = 60% BRONZE PTFE "31" = 15% GLASS/5%MoS2 PTFE			



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

Size	Rod		Groove			O-ring Loader No.	Size	Rod		Groove Dimension		O-ring Loader No.
	Diameter (C)	Tol	Diameter (A)	Tol	Width (B) +.20 / -.00			Diameter (C)	Tol	Diameter ±.20 (A)	Width (B) +.20 / -.00	
006-0	6.0		11.0		2.20	-011	056-3	56.0		71.3	6.3	-332
008-0	8.0		13.0	+ .00		-012	060-3	60.0		75.3		-333
010-0	10.0		15.0	- .10		-013	063-3	63.0		78.3		-334
012-0	12.0		17.0			-014	065-3	65.0		80.3		-335
008-1	8.0	+.00 -.05	15.5		3.20	-111	070-3	70.0		85.3		-337
010-1	10.0		17.5			-112	075-3	75.0		90.3		-338
012-1	12.0		19.5			-113	080-3	80.0		95.3		-340
014-1	14.0		21.5			-115	085-3	85.0		100.3		-341
016-1	16.0		23.5	+ .00		-116	090-3	90.0		105.3		-343
018-1	18.0		25.5	- .20		-117	095-3	95.0		110.3		-345
020-1	20.0		27.5			-118	100-3	100.0		115.3		-346
025-1	25.0		32.5			-121	105-3	105.0		120.3		-348
028-1	28.0	35.5		-123	110-3	110.0	+ .00	125.3	-349			
035-1	35.0	42.5		-128	115-3	115.0	- .10	130.3	-351			
036-1	36.0	43.5		-129	120-3	120.0		135.3	-352			
020-2	20.0	+.00 -.08	31.0		4.20	-213	125-3	125.0		140.3		-354
022-2	22.0		33.0			-215	130-3	130.0		145.3	-355	
025-2	25.0		36.0			-217	135-3	135.0		150.3	-357	
028-2	28.0		39.0			-219	140-3	140.0		155.3	-359	
030-2	30.0		41.0			-220	145-3	145.0		160.3	-360	
032-2	32.0		43.0			-221	150-3	150.0		165.3	-361	
036-2	36.0		47.0			-223	155-3	155.0		170.3	-362	
038-2	38.0		49.0	+ .00		-223	160-3	160.0		175.3	-363	
040-2	40.0		51.0	- .30		-224	170-3	170.0		185.3	-364	
045-2	45.0		56.0			-225	180-3	180.0		195.3	-366	
050-2	50.0	61.0		-227	190-3	190.0		205.3	-367			
056-2	56.0	67.0		-229	200-4	200.0	+.00 -.13	220.7	8.1	-445		
060-2	60.0	71.0		-230	210-4	210.0		230.7		-446		
070-2	70.0	81.0		-234	220-4	220.0		240.7		-447		
090-2	90.0	101.0		-240	250-4	250.0		270.7		-449		
038-3	38.0	53.3		-327	280-4	280.0		300.7		-451		
040-3	40.0	55.3		-328	320-4	320.0		340.7		-455		
045-3	45.0	60.3	±.20	-329	280-4HD	280.0		304.2		-452		
050-3	50.0	65.3		-331	320-4HD	320.0		344.2		-455		
055-3	55.0	70.3		-332	360-4HD	360.0		384.2		-458		