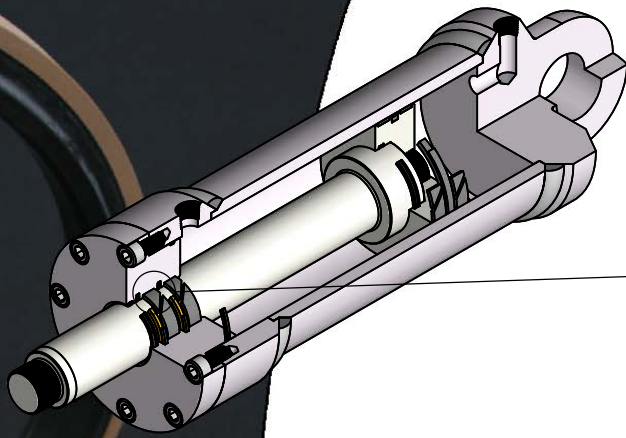
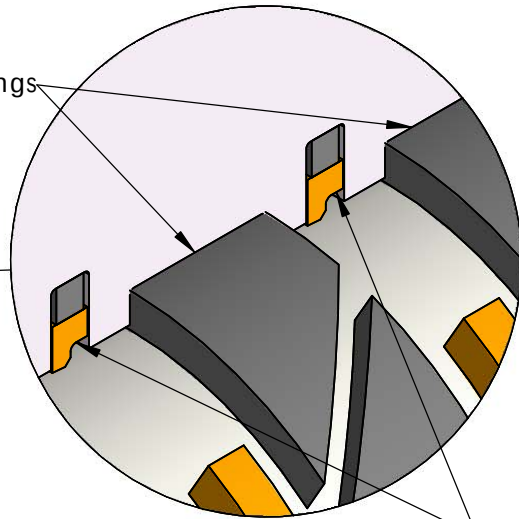




Wear Rings



T-LON® "CB" Seal

Description:

For over a decade, T-LON® Products has supplied the CB stepped rod seal to use in the Caterpillar® Type B buffer seal groove. It is a proven reliable seal for both low and high pressure systems.

The CB seal is a single-acting filled T-LON® PTFE compound with a custom designed rectangular profile elastomer energizer offering premium seal stability in 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.

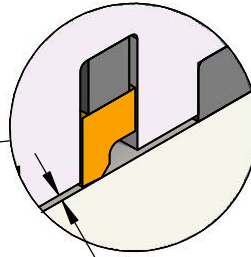
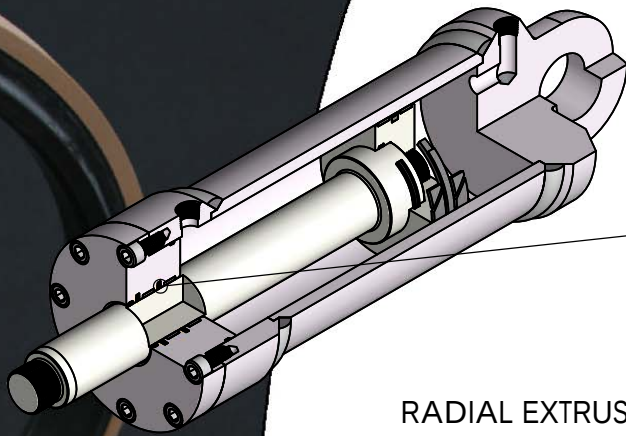
Advantages:

- Low seal drag/friction (Minimize energy loss)
- No Stick-slip (Smooth Operation)
- Long seal life from T-LON® filled PTFE compounds

Applications:

- Caterpillar® Hydraulic Cylinders





RADIAL EXTRUSION GAP
"E-GAP"

T-LON® Seal (1)

Loader (2)

MAXIMUM E-GAP (in) (Ref only)***			
Seal	1500 PSI	3000 PSI	5800 PSI
CB STYLE	0.016	0.010	0.008

***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 13 ft/s
 - Pressure: Up to 8500 psi (Function of e-gap and T-LON® compound. Max velocity and pressure cannot be used together)

Most Common:

BRONZE FILLED PTFE ("22")

- Highest Extrusion Resistance
- Good sealability

- (2) **Loader compound** determines temperature and chemical compatibility

Most Common:

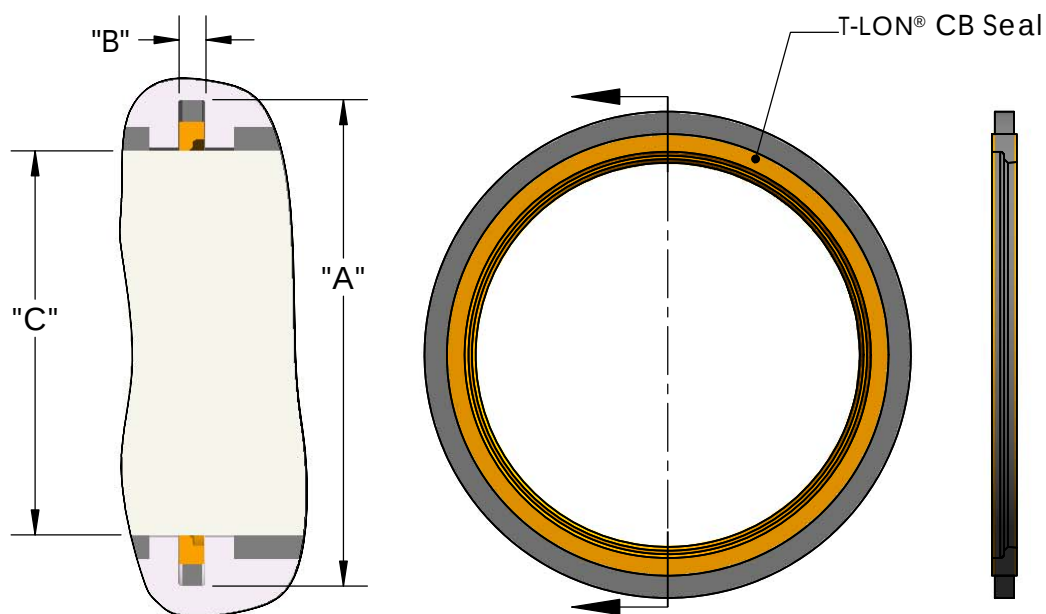
NBR SHORE 70 A ("P")

- 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

ORDERING INFORMATION

CB -

REF	T L O N	P A C K A G I N G	L O A D E R	M A T L
P A R T	M A T E R I A L			
#				
"8C9124" = 2.000" SEAL				OMIT IF NO LOADERS REQ'D "P" = STANDARD NBR 70A
				OMIT IF NO LOADERS REQ'D "B" = BULK PACKAGE COMPONENTS "I" = INDIVIDUALLY PACKAGE SEALS
	"22" = 60% BRONZE PTFE			



T-LON® "CB" Series Stepped Rod Seal Sizes

Reference Number	T-LON® Part Number	Gland Dimensions (Inch)		
		Rod Dia (C)	Groove Dia (A)	Groove Width (B)
RCAT-8C9122	8C9122	1.500	2.033	0.140
RCAT-8C9117	8C9117	1.625	2.158	0.140
RCAT-8C9123	8C9123	1.750	2.283	0.140
RCAT-9X3566	9X3566	1.875	2.252	0.140
RCAT-8C9124	8C9124	2.000	2.533	0.140
RCAT-9X3568	9X3568	2.125	2.627	0.140
RCAT-8C9125	8C9125	2.250	2.891	0.220
RCAT-8C9138	8C9138	2.375	3.016	0.220
RCAT-8C3839	8C3839	2.500	3.141	0.220
RCAT-9T9363	9T9363	2.626	3.266	0.220
RCAT-8C3841	8C3841	2.750	3.391	0.220
RCAT-8C9126	8C9126	3.000	3.641	0.220
RCAT-8C9121	8C9121	3.250	3.891	0.220
RCAT-8C9127	8C9127	3.500	4.141	0.220
RCAT-8C9128	8C9128	3.750	4.391	0.220
RCAT-8C9129	8C9129	4.000	4.641	0.220
RCAT-6E0425	6E0425	4.250	5.225	0.250
RCAT-8C9144	8C9144	4.500	5.475	0.250
RCAT-9X7261	9X7261	4.750	5.725	0.250
RCAT-9X3581	9X3581	5.000	5.960	0.250
RCAT-9X7267	9X7267	5.250	6.210	0.250
RCAT-9X3572	9X3572	5.500	6.116	0.250
RCAT-9X7322	9X7322	6.500	7.502	0.250
RCAT-8C9145	8C9145	6.750	7.695	0.250
RCAT-8C9130	8C9130	7.000	7.945	0.250

Note: Caterpillar® part numbers and groove dimensions are shown for reference only. Their appearance here does not imply they are the original product of Caterpillar®.