



Category

- Seal, Single Acting Rod

Construction

- Bronze filled PTFE ring, energised with an NBR rectangular ring

Housing

- Rectangular groove in one piece gland

Duty

- Medium to heavy

Features

- Compact, low friction design
- Static and running friction are very similar, hence no stick-slip

Comments

- Buffer seal used by North American OEMs

Size Range

- OEM Imperial

Metric Specifications

Operating Conditions

Maximum Speed:	4.0 m/sec
Temperature Range:	-30°C ~ 100°C
Maximum Pressure:	350 bar

Surface Finish

Dynamic Sealing Face:	0.1 ~ 0.4 µmRa
Static Sealing Face:	1.6 µmRa max
Other Faces:	3.2 µmRa max

Extrusion Gap (Diametral)

Pressure (bar)	100	170	260	350
Maximum gap (mm)	0.60	0.50	0.40	0.30

Chamfer

Minimum Z = H x 0.8

Imperial Specifications

Operating Conditions

Maximum Speed:	12.0 ft/sec
Temperature Range:	-22°F ~ 212°F
Maximum Pressure:	5000 psi

Surface Finish

Dynamic Sealing Face:	4 ~ 16 µinCLA
Static Sealing Face:	63 µinCLA max
Other Faces:	125 µinCLA max

Extrusion Gap (Diametral)

Pressure (psi)	1500	2500	3750	5000
Maximum gap (in)	0.025	0.020	0.015	0.010

Chamfer

Minimum Z = H x 0.8

Imperial Sizes

Part No	OEM	Ød	ØD	H
Tolerances		f8	H11	+0.008 -0
RRI150KBSN	8C9122	1.500	2.030	0.140
RRI175KBSN	8C9123	1.750	2.280	0.140
RRI200KBSN	8C9124	2.000	2.530	0.140
RRI225KBSN	8C9125	2.250	2.890	0.220
RRI250KBSN	8C3839	2.500	3.140	0.220

Imperial Sizes (cont'd)

Part No	OEM	Ød	ØD	H
RRI275KBSN	8C3841	2.750	3.390	0.220
RRI300KBSN	8C9126	3.000	3.640	0.220
RRI350KBSN	8C9127	3.500	4.140	0.220
RRI400KBSN	8C9129	4.000	4.640	0.220
RRI450KBSN	8C9144	4.500	5.480	0.250
RRI500KBSN	8C3581	5.000	5.960	0.250