

- Category**
- Wear Ring, Rod or Piston
- Construction**
- Skived bronze filled PTFE tape
- Housing**
- Rectangular groove in one piece gland or piston
- Features**
- Low friction
- Comments**
- Bearing strip is cut to the required length from stock coils
- Size Range**
- Metric and imperial

Metric Specifications

Operating Conditions	Maximum Speed:	5.0 m/sec	
	Temperature Range:	-50°C ~ 200°C	
Surface Finish	Dynamic Sealing Face:	0.4 µmRa	
	Static Sealing Face:	3.2 µmRa max	
Compression Strength at Yield	Temperature	23°C	80°C
	Yield	20 MN/m ²	9 MN/m ²

Imperial Specifications

Operating Conditions	Maximum Speed:	15.0 ft/sec	
	Temperature Range:	-60°F ~ 390°F	
Surface Finish	Dynamic Sealing Face:	16 µinCLA	
	Static Sealing Face:	125 µinCLA max	
Compression Strength at Yield	Temperature	70°F	175°F
	Yield	2900 psi	1300 psi

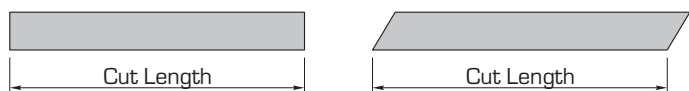
Extrusion Gap (Diametral)

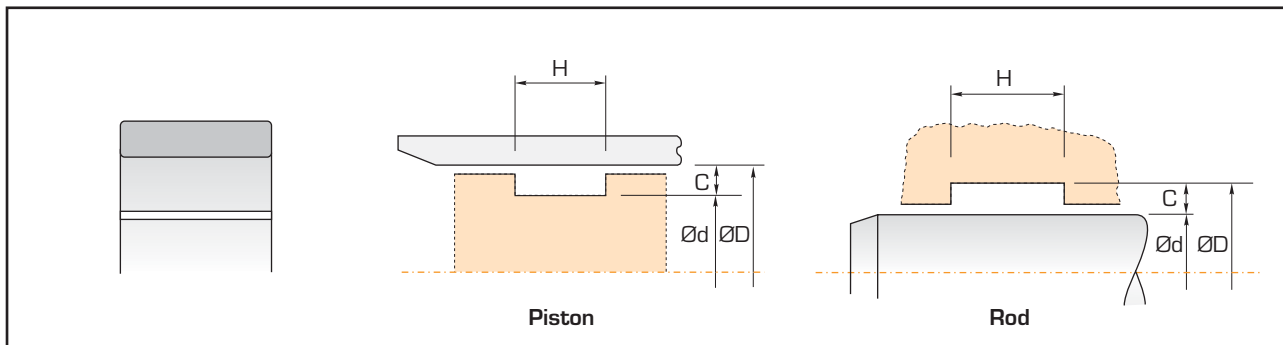
- Where a seal is used with a wear ring, the extrusion gap for the wear ring is determined by the extrusion gap required by the seal. The use of seals with antiextrusion devices allows larger metal to metal clearances.
- Where no seal is used, extrusion gaps not less than 1mm (0.040") diametral and not exceeding 30% of the wear ring cross section should prove adequate.

Cutting Bearing Strip

- It is critical that bearing strip is cut to the correct length to maintain correct end gap, hence creating a passage for the fluid media flow through.
- Cut bearing strip to length with a sharp knife or shears, using the following formula to determine the correct cut length:

$$\text{Cut Length} = (\text{Ød} + \text{C}) \times 3.11 - 0.5\text{mm}$$





Metric Sizes

Tolerances	ØD	Ød	H
Rod	H9	f9	+0.20 -0
Piston	H11	f9	+0.20 -0
Part No.	C	H	
BSM-3.2-1.5-B	1.50	3.20	
BSM-4.2-2-B	2.00	4.20	
BSM-4.2-2.5-B	2.50	4.20	
BSM-5.6-2.5-B	2.50	5.60	
BSM-6.3-1.5-B	1.50	6.30	
BSM-6.3-2-B	2.00	6.30	
BSM-6.3-2.5-B	2.50	6.30	
BSM-6.3-4-B	4.00	6.30	
BSM-8.1-2.5-B	2.50	8.10	
BSM-8.1-4-B	4.00	8.10	
BSM-9.6-3-B	3.00	9.60	
BSM-9.7-2-B	2.00	9.70	
BSM-9.7-2.5-B	2.50	9.70	
BSM-9.7-3-B	3.00	9.70	
BSM-9.7-4-B	4.00	9.70	
BSM-10-2-B	2.00	10.00	
BSM-12.8-2.5-B	2.50	12.80	
BSM-12.8-3-B	3.00	12.80	
BSM-15-1-B	1.00	15.00	
BSM-15-1.5-B	1.50	15.00	
BSM-15-2-B	2.00	15.00	
BSM-15-2.5-B	2.50	15.00	
BSM-15-3-B	3.00	15.00	
BSM-15-4-B	4.00	15.00	
BSM-19.2-3-B	3.00	19.20	
BSM-20-2-B	2.00	20.00	
BSM-20-2.5-B	2.50	20.00	
BSM-20-3-B	3.00	20.00	
BSM-20-4-B	4.00	20.00	
BSM-25-1-B	1.00	25.00	
BSM-25-1.5-B	1.50	25.00	
BSM-25-2-B	2.00	25.00	

Metric Sizes (cont'd)

Part No.	C	H
BSM-25-2.5-B	2.50	25.00
BSM-25-3-B	3.00	25.00
BSM-30-2-B	2.00	30.00
BSM-30-2.5-B	2.50	30.00
BSM-30-3-B	3.00	30.00
BSM-35-2-B	2.00	35.00
BSM-35-3-B	3.00	35.00
BSM-40-3-B	3.00	40.00

Imperial Sizes

Tolerances	ØD	Ød	H
Rod	+0.004 -0	f9	+0.008 -0
Piston	H11	+0 -0.004	+0.008 -0
Part No.	C	H	
BSI-187-125-B	0.125	0.187	
BSI-250-125-B	0.125	0.250	
BSI-375-125-B	0.125	0.375	
BSI-500-062-B	0.062	0.500	
BSI-500-125-B	0.125	0.500	
BSI-625-062-B	0.062	0.625	
BSI-625-125-B	0.125	0.625	
BSI-750-062-B	0.062	0.750	
BSI-750-093-B	0.093	0.750	
BSI-750-125-B	0.125	0.750	
BSI-1000-062-B	0.062	1.000	
BSI-1000-093-B	0.093	1.000	
BSI-1000-125-B	0.125	1.000	