



The profile BHO is ideal for high-pressure piston sealing.

### Features

- Extended heel that reduces effects of extrusion.
- Heavy dynamic lip (outside) ensures longest life.
- Short, wiper-type dynamic lip reduces frictional forces due to hydrostatic pressure.
- Helical spring for high load and small deflection range.
- Squared, long static lip stabilizes the seal.
- Widest range of cross-sections and diameters available, including sizes for upgrading standard O-ring grooves.
- Many high-resilience energizer options available, including choice of light, medium and heavy loads and NACE for oil field use.
- Low-cost elastomeric energizers available, all with excellent fatigue resistance.

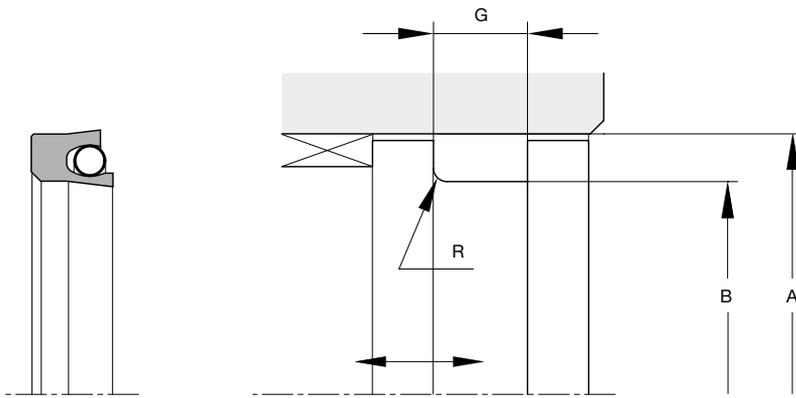
### Range of Application

For high-pressure, reciprocating piston sealing.

Operating pressure	≤ 55 MPa
Operating temperature	-260 to +315 °C
Surface speed	≤ 15 m/s

### Compounds

The BHO seal is available in a wide range of polymers. These include unfilled PTFE, filled PTFE, UHMW-PE and many others. See the compound list for further information.



### Housing dimensions

Nominal cross-section	Cross-section code	Recommended outer Ø range		Inner Ø	Groove width min.	Radius max.
		Tolerance H8				
		A (mm)	B (mm)	G (mm)	R (mm)	
1/16"	01	≥ 10.0	≤ 75	A - 2.84	3.8	0.30
3/32"	02	≥ 10.0	≤ 180	A - 4.52	4.6	0.50
1/8"	03	≥ 12.5	≤ 250	A - 6.15	6.0	0.50
3/16"	04	≥ 22.0	≤ 300	A - 9.45	8.5	0.75
1/4"	05	≥ 63.0	≤ 500	A - 12.12	12.1	0.75
3/8"	06	≥ 170.0	≤ 1400	A - 18.75	15.8	0.75
1/2"	07	≥ 325.0	≤ 3000	A - 25.40	20.5	0.75

FlexiSeal®

### Ordering example

Piston groove 70 mm  
Cylinder bore 76.15 mm

BHO M007615 03 XXX Y

BHO profile  
M007615 outer groove diameter in mm times 100  
03 cross-section code corresponding to a 6.15 mm groove diameter difference  
XXX jacket material  
Y spring-energizer material