



The profile FLO is the best choice for sealing rotating shafts such as in pumps, motors and rotary actuators.

### Features

- Outside flange that stabilizes the seal, prevents seal rotation and resists thermally induced movement.
- Heavy dynamic lip (inside) ensures longest life.
- Cantilever spring for low load-high compliance behaviour.
- Many high-resilience energizer options available, including choice of light, medium and heavy loads and NACE for oil field use.
- Available with silicone filling for food and drug applications.

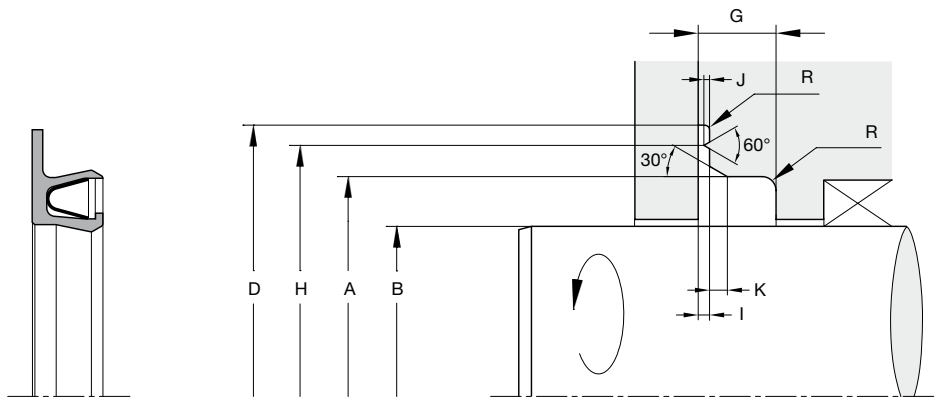
### Range of Application

For rotating shaft sealing.

Operating pressure	≤ 20 MPa
Operating temperature	-260 to +315 °C
Surface speed	≤ 10 m/s
Subject to pv guidelines (chapter 4.6.6)	

### Compounds

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



### Housing dimensions

Nominal cross-section	Cross-section code	Recommended inner Ø range		Outer Ø	Groove width min.	Radius max.	Flange outer Ø	Nose Ø	Flange width	Nose width	Chamfer width
		Tolerance h10 B (mm)	Tolerance h10 A (mm)								
1/16"	01	3.0	75	B + 2.84	2.4	0.30	B + 7.0	B + 5.0	0.56 <sup>+0.08</sup>	0.25 <sup>+0.10</sup>	0.4 - 0.5
3/32"	02	5.0	180	B + 4.52	3.6	0.50	B + 9.0	B + 7.0	0.56 <sup>+0.08</sup>	0.25 <sup>+0.10</sup>	0.8 - 1.0
1/8"	03	12.5	250	B + 6.15	4.8	0.50	B + 12.5	B + 10.0	0.66 <sup>+0.08</sup>	0.30 <sup>+0.10</sup>	1.0 - 1.2
3/16"	04	22.0	300	B + 9.45	7.1	0.75	B + 17.5	B + 13.5	0.96 <sup>+0.08</sup>	0.41 <sup>+0.10</sup>	1.3 - 1.6
1/4"	05	50.0	685	B + 12.12	9.5	0.75	B + 22.0	B + 17.0	1.16 <sup>+0.08</sup>	0.56 <sup>+0.10</sup>	1.7 - 2.0

### Ordering example

Shaft 70 mm  
Cylinder bore 76.15 mm

FLO M007000 03 XXX Y

FLO profile  
M007000 inner 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