



The profile NLO is ideal for sealing outside rotating housings. It can also be used in low-pressure reciprocating piston applications.

Features

- Heavy dynamic lip (outside) 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.
- Allows the integration of a stand-off ring to protect the sealing lips in case of reverse pressure.

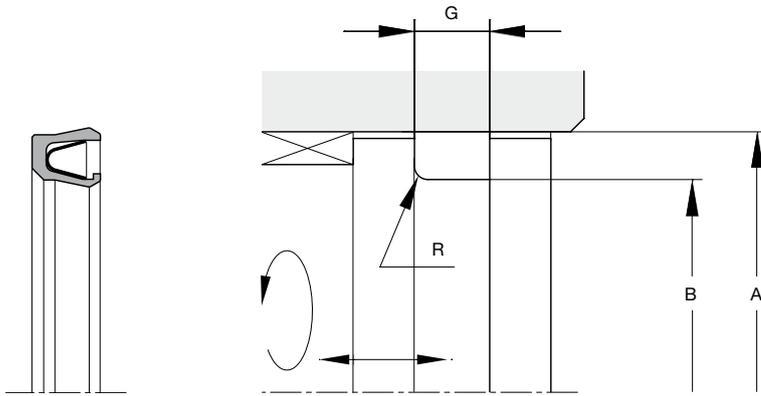
Range of Application

For outside dynamic sealing.

Operating pressure	≤ 20 MPa
Operating temperature	-260 to +315 °C
Surface speed	≤ 5 m/s
Subject to pv guidelines (chapter 4.6.6)	

Compounds

The NLO 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)				
		≥	≤		G (mm)	R (mm)
1/16"	01	6.0	75	A - 2.84	2.4	0.30
3/32"	02	9.5	180	A - 4.52	3.6	0.50
1/8"	03	19.0	250	A - 6.15	4.8	0.50
3/16"	04	31.5	300	A - 9.45	7.1	0.75
1/4"	05	63.0	685	A - 12.12	9.5	0.75

FlexiSeal®

Ordering example

Piston groove 70 mm
Cylinder bore 76.15 mm

NLO M007615 03 XXX Y

NLO 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