The profile JDO is identical to the former profile JD and is the best choice for sealing rotating shafts as in pumps, motors and rotary actuators.

Features

- Outside flange that stabilizes the seal and prevents seal rotation.
- 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

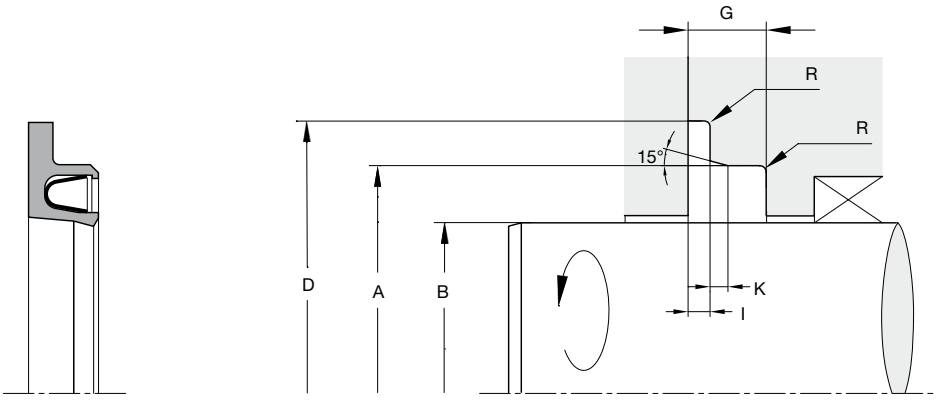
For rotating shaft sealing.

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 JDO 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 Tolerance f7 B (mm) ≥	≤	Outer Ø Tolerance H9 A (mm)	Groove width min. G (mm)	Radius max. R (mm)	Flange outer Ø Tolerance H11 D (mm)	Flange width I (mm)	Chamfer width K (mm)
3/32"	02	8	180	B + 5.0	3.6	0.3	B + 9.0	$0.85^{-0.10}$	0.8
1/8"	03	20	250	B + 7.0	4.8	0.4	B + 12.5	$1.35^{-0.15}$	1.1
3/16"	04	40	400	B + 10.5	7.1	0.5	B + 17.5	$1.80^{-0.20}$	1.4
1/4"	05	50	700	B + 14.0	9.5	0.5	B + 22.0	$2.80^{-0.20}$	1.6

Ordering example

Shaft 70 mm
Cylinder bore 77 mm

JDO M007000 03 XXX Y

JDO	profile
M007000	inner groove diameter in mm times 100
03	cross-section code corresponding to a 7 mm groove diameter difference
XXX	jacket material
Y	spring-energizer material