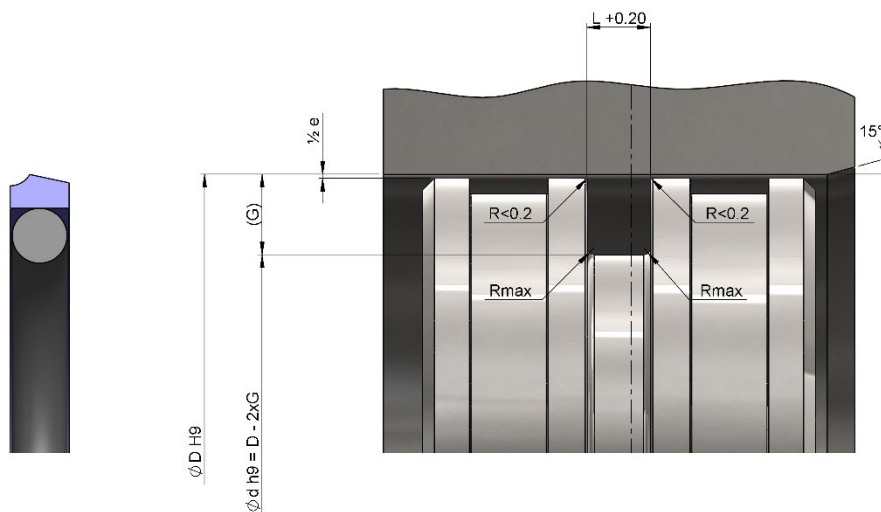


L30 Single Acting Piston Seal



Range of Application

Operating Pressure: Normal ≤400 bar Extreme ≤800 bar⁽¹⁾
Operating Temperature: -60°C to +200°C ⁽²⁾
Sliding Speed: ≤15m/s

- 1) With reduced extrusion gap and large cross sections.
 2) Limited by the O-Ring material.

Housing Dimensions

Cross Section	O-Ring Cross Section	Recommended Bore Ø Range		Groove Width	Groove Depth	Diametral Clearance 0-200 bar		Diametral Clearance 200-400 bar		Radius
		D		L	G	e		e		R
	(mm)	≥	<	(mm)	(mm)	(mm)		(mm)		(mm)
A	1.78	8	17	2.20	2.45	0.6	0.4	0.4	0.2	0.5
B	2.62	17	27	3.20	3.65	0.8	0.5	0.5	0.3	0.8
C	3.53	27	60	4.20	5.35	0.8	0.5	0.5	0.3	1.2
D	5.33	60	200	6.30	7.55	1.0	0.6	0.6	0.4	1.5
E	6.99	200	256	8.10	10.25	1.0	0.6	0.6	0.4	2.0
F	6.99	256	670	8.10	12.00	1.2	0.7	0.7	0.5	2.0

- Excellent wear resistance.
- Minimal break-away and dynamic friction and no stick-slip tendency even at low speeds.
- Good energy efficiency due to low friction.
- Insensitive to pressure peaks.
- High extrusion resistance.
- High chemical resistance.
- Installation in closed and undercut housings.
- Available in diameters from 4 to 2000 mm.
- Additional sizes of machined products available.