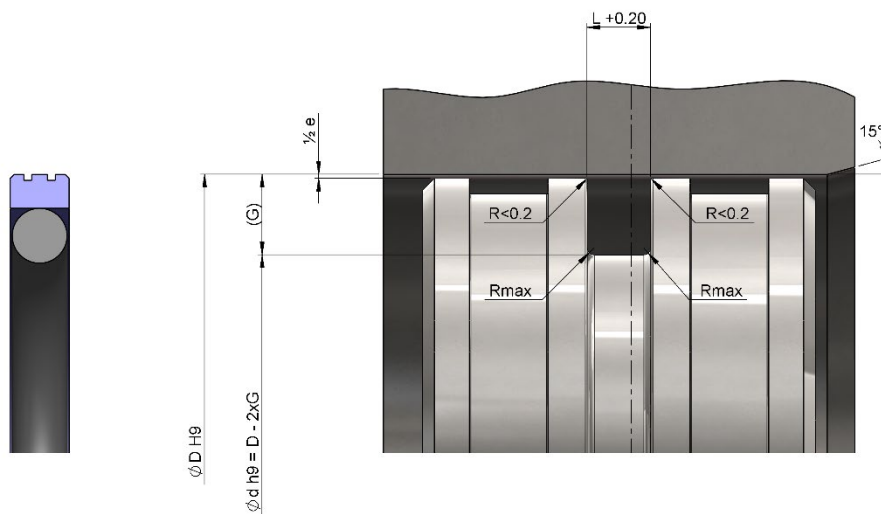


L22 Rotary Piston Seal



Range of Application

Operating Pressure: ≤300 bar

Operating Temperature: -60°C to +200°C ⁽¹⁾

Sliding Speed: ≤1m/s

≤5m/s (intermittently)

Rotary: $P \times V \leq 25$

1) 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	19	2.20	2.45	0.4	0.2	0.2	0.1	0.5
B	2.62	19	38	3.20	3.75	0.6	0.3	0.2	0.1	0.8
C	3.53	38	200	4.20	5.50	0.6	0.3	0.3	0.2	1.2
D	5.33	200	256	6.30	7.75	0.8	0.4	0.4	0.2	1.5
E	6.99	256	600	8.10	10.50	1.0	0.5	0.5	0.3	2.0
F	8.40	600	1000	9.50	14.00	1.0	0.5	0.5	0.3	2.0

- Excellent wear resistance.
- Improved lubrication due to media retention grooves
- 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.