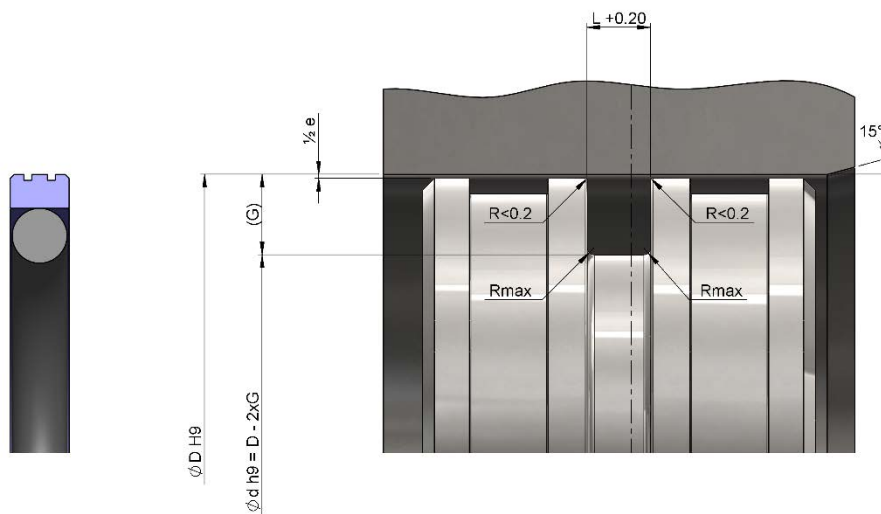


L22 Rotary Piston Seal



Range of Application

Operating Pressure:	≤ 300 bar	
Operating Temperature:	-60°C to $+200^{\circ}\text{C}$ ⁽¹⁾	
Sliding Speed:	$\leq 1\text{m/s}$	$\leq 5\text{m/s}$ (intermittently)
Rotary:	$P \times V \leq 25$	

1) Limited by the O-Ring material.

Housing Dimensions

Cross Section	O-Ring Cross section	Recommended Bore ϕ range		Groove width	Groove depth	Diametral Clearance max 0-200 bar		Diametral Clearance max 200-400 bar		Radius max
		d	$<$			e	e	R		
	(mm)	\geq	$<$	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
A	1.78	8	19	2.2	2.45	0.4	0.2	0.2	0.1	0.4
B	2.62	19	38	3.2	3.75	0.6	0.3	0.2	0.1	0.6
C	3.53	38	200	4.2	5.50	0.6	0.3	0.3	0.2	1.0
D	5.33	200	256	6.3	7.75	0.8	0.4	0.4	0.2	1.3
E	6.99	256	600	8.1	10.50	1.0	0.5	0.5	0.3	1.8
F	8.40	600	1000	9.5	14.00	1.0	0.5	0.5	0.3	1.8

- 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.