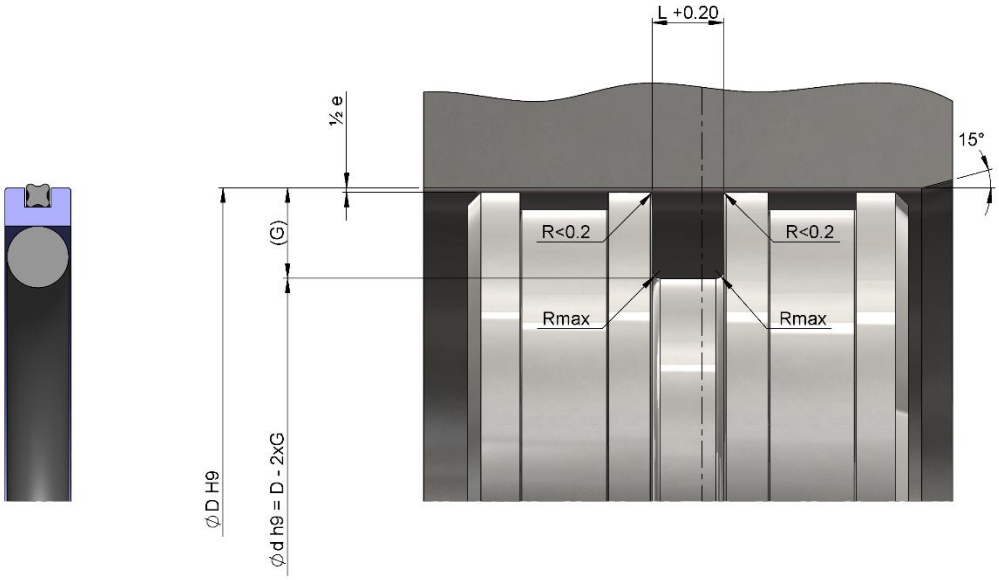
LPXP Double Acting Piston Seal with Quad Ring



Range of Application

Operating Pressure:	Normal ≤400 bar	Extreme ≤800 bar[1]
Operating Temperature:	-60°C to +200°C [2]	
Sliding Speed:	≤2m/s	
Frequency:	≤5 Hz	

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)
		≥	<							
C	3.53	40	80	4.20	5.50	0.8	0.5	0.5	0.3	1.0
D	5.33	80	133	6.30	7.75	1.0	0.6	0.6	0.4	1.3
E	6.99	133	330	8.10	10.50	1.0	0.6	0.6	0.4	1.8
F	6.99	330	670	8.10	12.25	1.2	0.7	0.7	0.5	1.8

- Can also be used for single-acting applications.
- Great for sealing between fluid and gas
- Good energy efficiency due to low friction.
- Insensitive to pressure peaks.
- High extrusion resistance.
- High chemical resistance.
- Installation in closed and undercut housings.
- Additional sizes of machined products available.