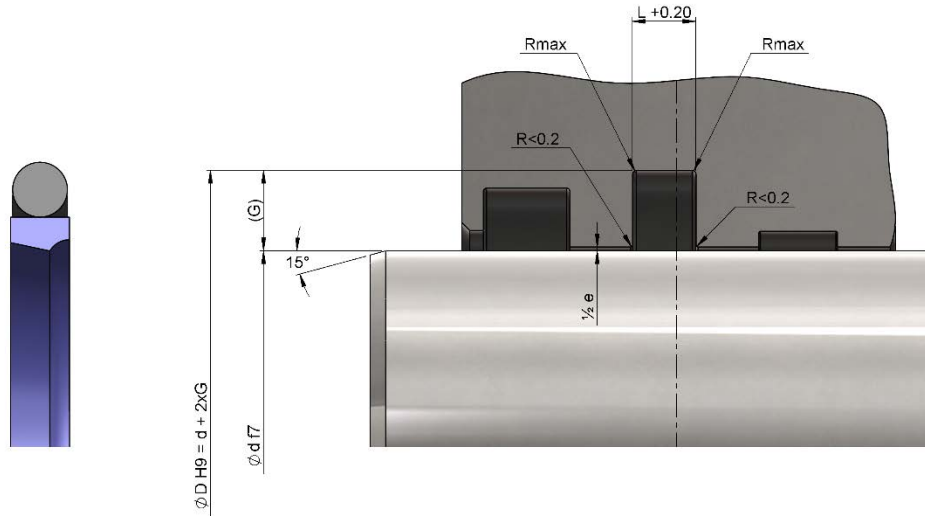


# L31 Single Acting Rod Seal



## Range of Application

<b>Operating Pressure:</b>	Normal $\leq 400$ bar	Extreme $\leq 800$ bar <sup>(1)</sup>
<b>Operating Temperature:</b>	-60°C to +200°C <sup>(2)</sup>	
<b>Sliding Speed:</b>	$\leq 15$ m/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 Rod $\phi$ range		Groove width	Groove depth	Diametral Clearance max 0-200 bar		Diametral Clearance max 200-400 bar		Radius max
		$d$	$L$			$G$	$e$	$e$	$R$	
	(mm)	$\geq$	$<$	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
A	1.78	4	8	2.2	2.45	0.6	0.4	0.4	0.2	0.4
B	2.62	8	19	3.2	3.65	0.8	0.5	0.5	0.3	0.6
C	3.53	19	38	4.2	5.35	0.8	0.5	0.5	0.3	1.0
D	5.33	38	200	6.3	7.55	1.0	0.6	0.6	0.4	1.3
E	6.99	200	256	8.1	10.25	1.0	0.6	0.6	0.4	1.8
F	6.99	256	600	8.1	12.00	1.2	0.7	0.7	0.5	1.8

- 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.