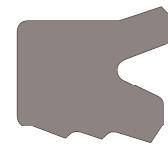


Rod Seals

Technical details

Operating conditions

Metric	Inch
Maximum Speed	1.0 m/sec
Temperature Range	-45°C +110°C
Maximum Pressure	250 bar
	3.0 ft/sec
	-50°F +230°F
	3500 p.s.i.



Maximum extrusion gap

Metric	Inch
Pressure bar	160
Maximum Gap mm	0.6
Pressure p.s.i.	2400
	250
	0.5
	3750

Figures show the maximum permissible gap all on one side using minimum rod Ø and maximum clearance Ø.



Surface roughness

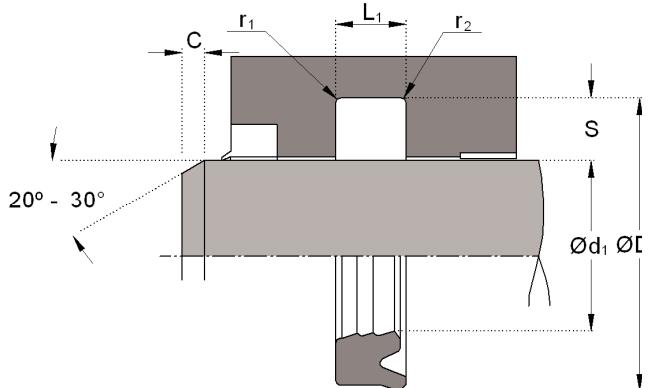
Metric	µmRa	µmRt	µinCLA	µinRMS
Dynamic Sealing Face Ød ₁	0.1 <> 0.4	4 max	4 <> 16	5 <> 18
Static Sealing Face ØD ₁	1.6 max	10 max	63 max	70 max
Static Housing Faces L ₁	3.2 max	16 max	125 max	140 max

Chamfers & Radii

Groove Section≤ S mm	4.0	5.0	7.5
Min Chamfer C mm	3.0	3.5	5.0
Max Fillet Rad r ₁ mm	0.2	0.4	0.8
Max Fillet Rad r ₂ mm	0.4	0.8	1.2

Tolerances

Metric	Ød ₁	ØD ₁	L ₁ mm
f9		Js11	+0.25 -0



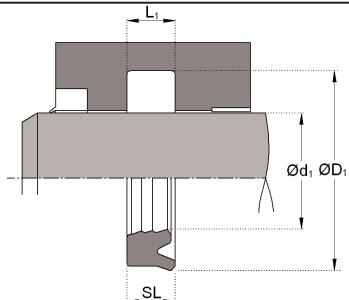
Design

The Hallite 617 'Multilip' seal is an asymmetric rod seal specifically developed to meet the requirements of ISO 6020-2 160 bar compact cylinders. The housing sizes confirm to those given for such cylinders in ISO 5597.

Manufactured in black version of Hallite's high performance polyurethane Hythane® 181, the type 617 is an extremely flexible seal making installation very easy. The sealing lips are precision trimmed for consistent sealing performance.

Rod Seals metric

617



Ød₁	TOL f9	ØD₁	TOL Js11	SL	L₁ +0.25-0	PART No.
12	-0.016 -0.059	19	+0.07 -0.07	5.0	5.6	9900000
14	-0.016 -0.059	21	+0.07 -0.07	5.0	5.6	9900500
18	-0.016 -0.059	25	+0.07 -0.07	5.0	5.6	9901000
22	-0.020 -0.072	29	+0.07 -0.07	5.0	5.6	9901500
28	-0.020 -0.072	36	+0.08 -0.08	5.7	6.3	9902000
36	-0.025 -0.087	44	+0.08 -0.08	5.7	6.3	9902500

Ød₁	TOL f9	ØD₁	TOL Js11	SL	L₁ +0.25-0	PART No.
45	-0.025 -0.087	53	+0.10 -0.10	5.7	6.3	9903000
56	-0.003 -0.104	66	+0.10 -0.10	6.5	7.5	9903500
70	-0.003 -0.104	80	+0.10 -0.10	6.5	7.5	9904000
90	-0.036 -0.123	100	+0.11 -0.11	6.5	7.5	9904500
110	-0.036 -0.123	125	+0.13 -0.13	9.6	10.6	9905000
140	-0.043 -0.143	155	+0.13 -0.13	9.6	10.6	9905500