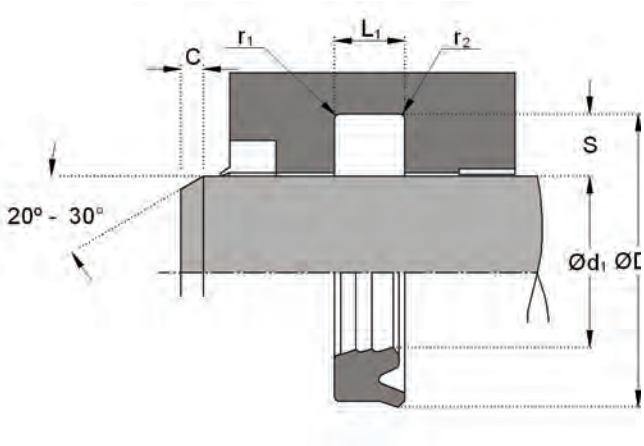
Technical details

617

	Metric		Inch	
Operating conditions				
Maximum Speed	1.0 m/sec		3.0 ft/sec	
Temperature Range	-45°C +110°C		-50°F +230°F	
Maximum Pressure	250 bar		3500 p.s.i.	
Maximum extrusion gap	**Figures show the maximum permissible gap all on one side using minimum rod Ø and maximum clearance Ø.**			
Pressure bar	160	250		
Maximum Gap mm	0.6	0.5		
Pressure p.s.i.	2400	3750		
Surface roughness	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	Ød$_1$	ØD$_1$	L$_1$ mm	
	f9	Js11	+0.25 -0	



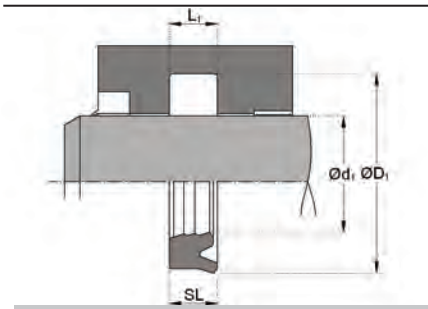
Design

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.

Hallite
Fenner Advanced Sealing Technologies

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