

Pneumatic Rod Seal/ Wiper

Technical details

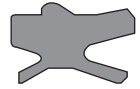
Metric

Inch

Operating conditions

Maximum Speed	1.0 m/sec
Temperature Range	-45°C + 80°C
Maximum Pressure	10 bar

3.0 ft/sec
-50°F + 180°F
145 p.s.i.



Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic Sealing Face $\varnothing d_1$	0.1 <> 0.4	4 max	4 <> 16	5 <> 18
Static Sealing Face $\varnothing D_1 \varnothing D_2$	1.6 max	10 max	63 max	70 max
Static Housing Faces L_1	3.2 max	16 max	125 max	140 max

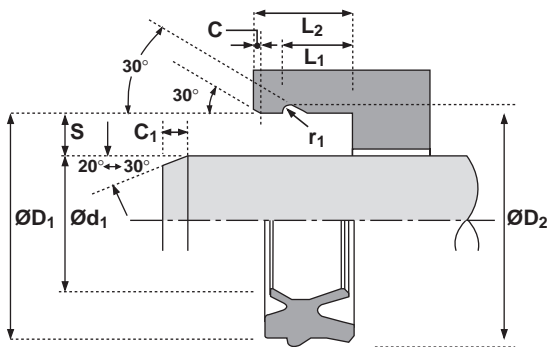
Chamfers & Radii

Rod Diameter $\varnothing d_1$ mm	≤ 20	>20
Min Chamfer C mm	1.5	20
Min Chamfer C mm	3.5	3.5
Max Fillet Rad r_1 mm	1.1	1.4

Tolerances

mm	$\varnothing d_1$	$\varnothing D_1$	$\varnothing D_2$	L_1	L_2
	f9	H10	± 0.10	+0.25 -0	+0.5 -0

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DESIGN

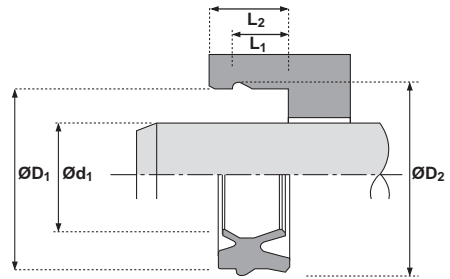
The Hallite 851 is a high performance, rod seal / wiper combination designed specifically for pneumatic applications. Manufactured in Hythane® 181, the seal offers ultra low friction - significantly less than that of rubber - and ultra long life.

The 851 has been developed to give significant improvements in cylinder performance in low lube air conditions and can be used in long and short stroke applications.

FEATURES

- Effective Sealing
- Low Friction
- Easy Installation
- Excellent Temperature Range

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$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H10	$\varnothing D_2$	TOL	L_1 +0.25 - 0	L_2 +0.5 - 0	PART No.
12.00	-0.016 -0.059	22.00	+0.08 -0.00	24.00	+0.10 -0.10	8.80	13.00	4442000
16.00	-0.016 -0.059	26.00	+0.08 -0.00	28.00	+0.10 -0.10	8.80	13.00	4453900
20.00	-0.020 -0.072	30.00	+0.08 -0.00	32.00	+0.10 -0.10	8.80	13.00	4404700
25.00	-0.020 -0.072	35.00	+0.10 -0.00	37.50	+0.10 -0.10	9.40	14.00	4427600