

Rotary Pressure Seal

Technical details

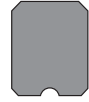
Metric

Inch

Operating conditions

Maximum Speed	0.1 m/sec
Temperature Range	-30°C +80°C
Maximum Pressure	350 bar

0.3 ft/sec
-22°F +176°F
5000 p.s.i.



Surface roughness

	µmRa	µmRt
Dynamic Sealing Face Ød ₁	0.1 <-> 0.4	4 max
Static Sealing Face ØD ₁	1.6 max	10 max
Static Housing Faces L ₁	3.2 max	16 max

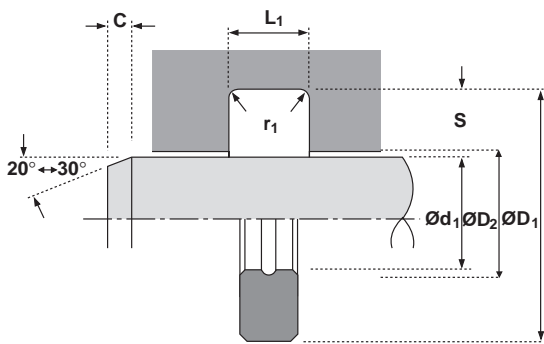
µinCLA	µinRMS
4 <-> 16	5 <-> 18
63 max	70 max
125 max	140 max

Chamfers & Radii

Groove Section ≤ S mm	5.2
Min Chamfer C mm	2.4
Max Fillet Rad r ₁ mm	0.4

Tolerances

Ød ₁	ØD ₁	ØD ₂	L ₁ mm
f8	H10	H8	+0.3 -0



Design

The Hallite 80 rotary pressure seal is a seal designed specifically for use in hydraulic swivel joints.

The Hallite 80 is manufactured in Hallite's high specification polyurethane, Hythane 181, to provide ease of installation and excellent sealing characteristics.

Please call your local Hallite sales office for further details.

metric

Ød1	TOL	ØD1	TOL	L1	PART No.
	f8		H10	+0.3 -0.0	
80.00	-0.030	90.00	+0.14	5.00	4563000
	-0.076		-0.00		
90.00	-0.036	100.00	+0.14	5.00	4563100
	-0.090		-0.00		
100.00	-0.036	110.00	+0.14	5.00	4563200
	-0.090		-0.00		
125.00	-0.043	135.40	+0.16	5.00	4578800
	-0.106		-0.00		