Technical details

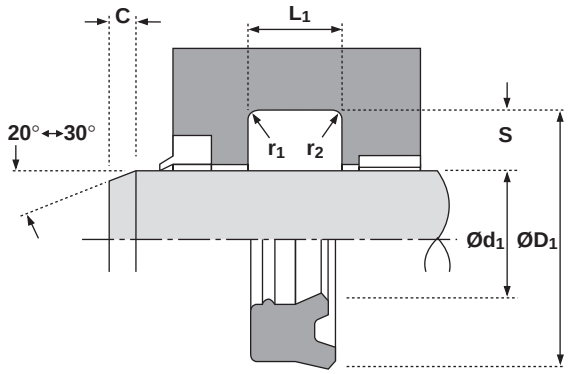
	Metric			Inch
Operating conditions				
Maximum Speed	1.0 m/sec			3.0 ft/sec
Temperature Range	-45°C +110°C			-50°F +230°F
Maximum Pressure	400 bar			6000 p.s.i.

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	400
Maximum Gap in	0.024	0.020	0.016
Pressure p.s.i.	2400	3750	6000

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 in	0.125	0.187	0.250
Min Chamfer C in	0.093	0.093	0.125
Max Fillet Rad r_1 in	0.008	0.008	0.016
Max Fillet Rad r_2 in	0.016	0.016	0.0325

Tolerances	$Ød_1$	$ØD_1$	L_1
in	f9	Js11	+0.010 -0



Design

The Hallite 658 is an asymmetric seal designed specifically to replace an O ring and one back up sealing arrangement.

Manufactured in Hallite's high performance polyurethane - Hythane® 181, the Hallte 658 is an extremely flexible seal making installation very easy.

See Hallite 605 for more details.

Features

- **Twin lip design offering:**
  Lower friction,
  Improved sealing,
  Primary lip protection,
  Increased seal stability.
- **Easy installation**

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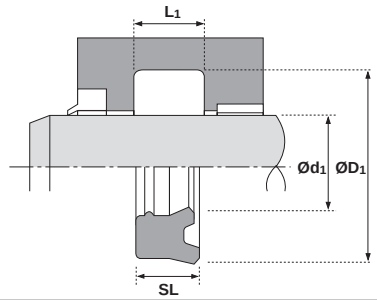

Ød1	TOL f9	ØD1	TOL Js11	SL	L1 +0.010 -0	PART No.
0.750	-0.0008 -0.0028	0.937	+0.003 -0.003	0.156	0.172	4472400
0.875	-0.0008 -0.0028	1.125	+0.003 -0.003	0.187	0.207	4527500
1.000	-0.0008 -0.0028	1.250	+0.003 -0.003	0.187	0.207	4569000
1.062	-0.0008 -0.0028	1.302	+0.003 -0.003	0.187	0.207	4549400
1.125	-0.0010 -0.0034	1.368	+0.003 -0.003	0.187	0.207	4466200
1.250	-0.0010 -0.0034	1.491	+0.003 -0.003	0.197	0.217	4359610
1.250	-0.0010 -0.0034	1.625	+0.003 -0.003	0.375	0.413	4747600
1.375	-0.0010 -0.0034	1.616	+0.003 -0.003	0.197	0.217	4392210

Ød1	TOL f9	ØD1	TOL Js11	SL	L1 +0.010 -0	PART No.
1.375	-0.0010 -0.0034	1.750	+0.003 -0.003	0.375	0.413	4747700
1.500	-0.0010 -0.0034	1.743	+0.003 -0.003	0.187	0.207	4480600
1.500	-0.0010 -0.0034	1.872	+0.003 -0.003	0.295	0.324	4386020
1.500	-0.0010 -0.0034	1.875	+0.003 -0.003	0.375	0.413	4747800
1.750	-0.0010 -0.0034	2.119	+0.004 -0.004	0.281	0.311	4456200
1.875	-0.0010 -0.0034	2.246	+0.004 -0.004	0.281	0.311	4576700
2.000	-0.0012 -0.0041	2.371	+0.004 -0.004	0.281	0.311	4466300
2.500	-0.0012 -0.0041	2.871	+0.004 -0.004	0.281	0.311	4576800