

Wipers – “AN” Housing Sizes

Technical details

Metric

Inch

Operating conditions

Maximum Speed 4.0 m/sec
Temperature Range -40°C +110°C

12.0 ft/sec
-50°F +230°F

Surface roughness

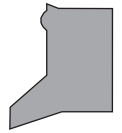
	µmRa	µmRt	µinCLA	µinRMS
Dynamic Sealing Face $\varnothing d_1$	0.1 <> 0.4	4 max	4 <> 16	5 <> 18
Static Sealing Face $\varnothing d_1$ $\varnothing D_2$	1.6 max	10 max	63 max	70 max
Static Housing Faces L_1	3.2 max	16 max	125 max	140 max

Radii

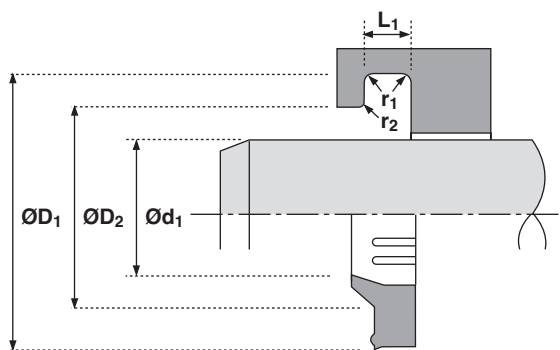
Max Fillet Rad r_1 in 0.010
Min Fillet Rad r_2 in 0.020

Tolerances

	$\varnothing d_1$	$\varnothing D_1$	$\varnothing D_2$	L_1
in	f9	+0.004 -0	+0.005 -0	+0.003 -0



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Design

The Hallite 521 snap-in rod wiper has been designed for light to medium duty applications, for typical/AN housing sizes. The proportions of the wiping lip ensure that contact is maintained with the surface of the rod to remove contaminants. The moulded ribs on the internal diameter provides extra stability to the seal and help prevent pressure trapping. The outside diameter contacts the housing diameter and has a sealing lip to prevent moisture entering the groove.

The Hallite 521 is available in polyurethane or a polyester based compound.

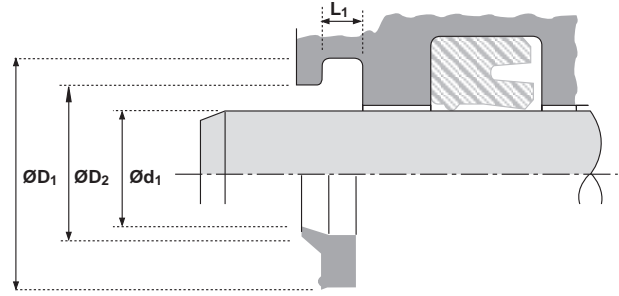
Features

- Precision trimmed sealing lip
- ‘Crush Lip’ and ‘Face Bead’ provide effective seal on housing
- Low wear long life
- Pressure relief ribs
- Polyester material option

Materials

The part numbers shown are for polyurethane. If you require this product in polyester, please contact your local Hallite sales office.

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Ød ₁	TOL f ₉	ØD ₁	TOL	ØD ₂	TOL	L ₁	TOL	PART No.
0.625	-0.0006 -0.0023	0.885	+0.004 -0.000	0.772	+0.005 -0.000	0.107	+0.003 -0.000	8883610
0.750	-0.0008 -0.0028	1.010	+0.004 -0.000	0.897	+0.005 -0.000	0.107	+0.003 -0.000	8883710
0.875	-0.0008 -0.0028	1.147	+0.004 -0.000	1.023	+0.005 -0.000	0.107	+0.003 -0.000	8883810
1.000	-0.0008 -0.0028	1.272	+0.004 -0.000	1.148	+0.005 -0.000	0.107	+0.003 -0.000	8883910
1.125	-0.0008 -0.0028	1.397	+0.004 -0.000	1.273	+0.005 -0.000	0.107	+0.003 -0.000	8884010
1.250	-0.0010 -0.0034	1.522	+0.004 -0.000	1.398	+0.005 -0.000	0.107	+0.003 -0.000	8884110
1.375	-0.0010 -0.0034	1.677	+0.004 -0.000	1.542	+0.005 -0.000	0.107	+0.003 -0.000	8884310
1.500	-0.0010 -0.0034	1.802	+0.004 -0.000	1.668	+0.005 -0.000	0.107	+0.003 -0.000	8884410
1.750	-0.0010 -0.0034	2.052	+0.004 -0.000	1.918	+0.005 -0.000	0.107	+0.003 -0.000	8884610
2.000	-0.0012 -0.0041	2.302	+0.004 -0.000	2.178	+0.005 -0.000	0.107	+0.003 -0.000	8884810
2.500	-0.0012 -0.0041	2.802	+0.004 -0.000	2.678	+0.005 -0.000	0.107	+0.003 -0.000	8885110
3.000	-0.0012 -0.0041	3.364	+0.004 -0.000	3.209	+0.005 -0.000	0.122	+0.003 -0.000	8885410
3.500	-0.0014 -0.0048	3.864	+0.004 -0.000	3.709	+0.005 -0.000	0.122	+0.003 -0.000	8885710
4.000	-0.0014 -0.0048	4.427	+0.004 -0.000	4.240	+0.005 -0.000	0.138	+0.003 -0.000	8886110