

862

WIPER

Single-Lipped
Polyurethane, Metal-Cased

DESIGN

The Hallite 862 single-lipped, metal-cased wiper is designed to press fit into open groove housings for a wide range of applications.

The precision trimmed polyurethane wiping element is securely bonded to a metal case treated to inhibit rust. The proportions of the polyurethane wiping lip follow the side movement of the rod to clear away heavily deposited dirt and make this wiper an excellent choice for dirty conditions.

The Hallite 862 is offered in a range of sizes suitable for standard American inch wiper housings.



FEATURES

- Precision trimmed wiping lip
- Sharp wiping lip scrapes heavy contamination from rod protecting sealing system
- Metal case treated with rust inhibitor
- Wide range of application uses

MATERIALS

As standard, this product comes in the following materials. Contact your local Hallite technical team if you would like to find out if this profile can be made in a custom material to suit your application. For further material details, please refer to the Hallite Material Table.

MATERIAL OPTIONS	Name	Type	Color
Standard	Hythane® 321-Steel	TPU-AU	Dark Blue

TECHNICAL DETAILS

OPERATING CONDITIONS	METRIC	INCH
Maximum Speed	1.0 m/sec	3.0 ft/sec
Temperature Range	-40°C +110°C	-40°F +212°F

NOTE

Data given are maximum values and can apply depending on specific application. Maximum ratings of temperature, pressure, or operating speeds are dependent on fluid medium, surface, gap value, and other variables such as dynamic or static service. Maximum values are not intended for use together at the same time, e.g. max temperature and max pressure. Please contact your Hallite technical representative for application support.

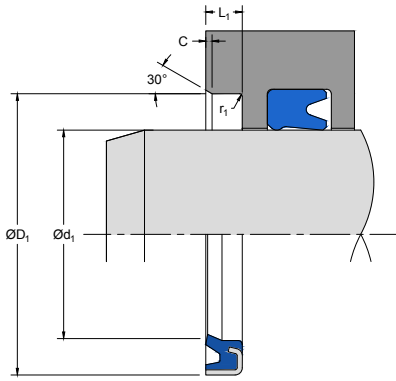
SURFACE ROUGHNESS	μmRa	μmRz	μmRt	μinRa	μinRz	μinRt
Dynamic Sealing Face $\varnothing d_1$	0.1 - 0.4	1.6 max	4 max	4 - 16	63 max	157 max
Static Sealing Face $\varnothing D_1$	1.6 max	6.3 max	10 max	63 max	250 max	394 max
Static Housing Faces L_1	3.2 max	10 max	16 max	125 max	394 max	630 max

RADII	
Min Chamfer C in	0.040
Max Fillet Rad r, in	0.016

NOTE

Assembly chamfers on the rod are governed by the associated seal.

TOLERANCES	$\varnothing d_1$	$\varnothing D_1$	L_1
in	f9	H8	+0.020 -0



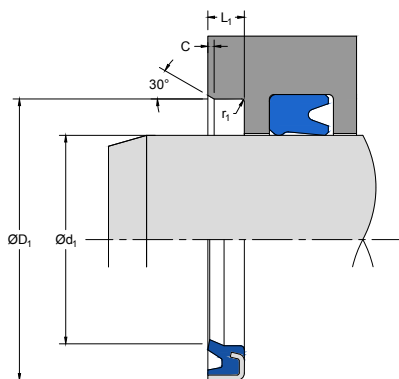
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PART NUMBER RANGE

INCH					
$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H8	L_1 +0.020-0	PART No.
0.625	-0.001	1.125	+0.001	0.313	6960000
	-0.002		0.000		
0.750	-0.001	1.250	+0.002	0.313	6960010
	-0.003		0.000		
1.000	-0.001	1.500	+0.002	0.313	6960020
	-0.003		0.000		
1.125	-0.001	1.625	+0.002	0.313	6960030
	-0.003		0.000		
1.250	-0.001	1.750	+0.002	0.250	6960260
	-0.003		0.000		
1.250	-0.001	1.750	+0.002	0.313	6960040
	-0.003		0.000		
1.375	-0.001	1.875	+0.002	0.313	6960050
	-0.003		0.000		
1.500	-0.001	2.000	+0.002	0.250	6960270
	-0.003		0.000		
1.500	-0.001	2.000	+0.002	0.313	6960060
	-0.003		0.000		
1.625	-0.001	2.125	+0.002	0.313	6960070
	-0.003		0.000		
1.750	-0.001	2.250	+0.002	0.313	6960080
	-0.003		0.000		
2.000	-0.001	2.500	+0.002	0.313	6960090
	-0.004		0.000		
2.250	-0.001	2.750	+0.002	0.313	6960100
	-0.004		0.000		
2.500	-0.001	3.000	+0.002	0.313	6960110
	-0.004		0.000		
2.750	-0.001	3.250	+0.002	0.313	6960120
	-0.004		0.000		
3.000	-0.001	3.500	+0.002	0.313	6960130
	-0.004		0.000		



PART NUMBER RANGE

INCH					
$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H8	L_1 +0.020-0	PART No.
3.250	-0.001 -0.005	3.750	+0.002 0.000	0.313	6960140
3.250	-0.001 -0.005	3.875	+0.002 0.000	0.313	6960150
3.500	-0.001 -0.005	4.000	+0.002 0.000	0.313	6960160
3.500	-0.001 -0.005	4.125	+0.002 0.000	0.313	6960170
3.750	-0.001 -0.005	4.375	+0.002 0.000	0.313	6960180
4.000	-0.001 -0.005	4.625	+0.002 0.000	0.313	6960190
4.000	-0.001 -0.005	4.750	+0.003 0.000	0.313	6960200
4.000	-0.001 -0.005	5.000	+0.003 0.000	0.500	6960210
4.500	-0.001 -0.005	5.125	+0.003 0.000	0.313	6960220
4.500	-0.001 -0.005	5.500	+0.003 0.000	0.500	6960230
5.000	-0.002 -0.006	5.625	+0.003 0.000	0.313	6960240
5.000	-0.002 -0.006	6.000	+0.003 0.000	0.500	6960250