

# 860

## WIPER

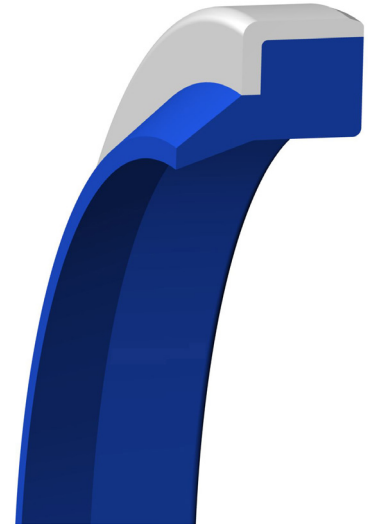
Single-Lipped  
Polyurethane, Metal-Cased

### DESIGN

The Hallite 860 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 860 is offered in a range of sizes suitable for ISO 6195 Type B housings and also for standard Asian 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 +100°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.

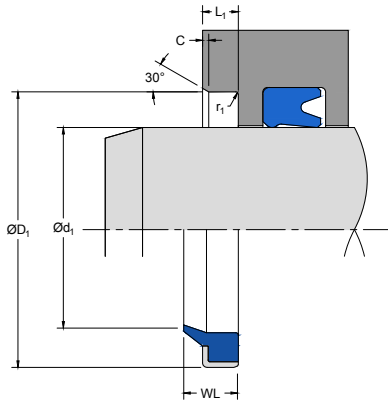
SURFACE ROUGHNESS	$\mu\text{mRa}$	$\mu\text{mRz}$	$\mu\text{mRt}$	$\mu\text{inRa}$	$\mu\text{inRz}$	$\mu\text{inRt}$
Dynamic Sealing Face $\varnothing d_1$	0.1 - 0.4	1.6 max	4 max	4 - 16	63 max	157 max
Static Sealing Face $\varnothing D_1$	1.6 max	6.3 max	10 max	63 max	250 max	394 max
Static Housing Faces $L_1$	3.2 max	10 max	16 max	125 max	394 max	630 max

RADII				
Rod Diameter $\varnothing d_1$	$\leq 19$	$\geq 19$	$< 0.75$	$\geq 0.75$
Min Chamfer C	0.50	1.00	0.020	0.040
Max Fillet Rad $r_1$	0.40	0.40	0.016	0.016

**NOTE**

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

TOLERANCES	$\varnothing d_1$	$\varnothing D_1$	$L_1$
mm	f9	H8	+0.50 -0
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	WL	PART No.
0.750	-0.001 -0.003	1.125	+0.001 0.000	0.187	0.297	6955100
1.000	-0.001 -0.003	1.375	+0.002 0.000	0.187	0.297	6955120
1.250	-0.001 -0.003	1.625	+0.002 0.000	0.187	0.297	6955140
1.500	-0.001 -0.003	1.875	+0.002 0.000	0.187	0.297	6955160
1.750	-0.001 -0.003	2.125	+0.002 0.000	0.187	0.297	6955180
2.000	-0.001 -0.004	2.375	+0.002 0.000	0.187	0.297	6955200
2.250	-0.001 -0.004	2.625	+0.002 0.000	0.187	0.297	6955220
2.500	-0.001 -0.004	2.875	+0.002 0.000	0.187	0.297	6955240
2.750	-0.001 -0.004	3.125	+0.002 0.000	0.187	0.297	6955260
3.000	-0.001 -0.004	3.375	+0.002 0.000	0.187	0.297	6955280