

860

WIPER

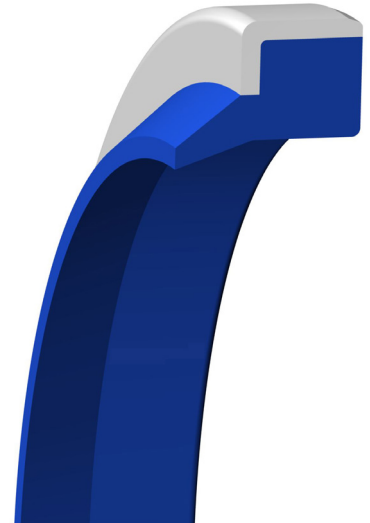
Single-Lipped
Polyurethane, Metal-Cased

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	Colour
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.

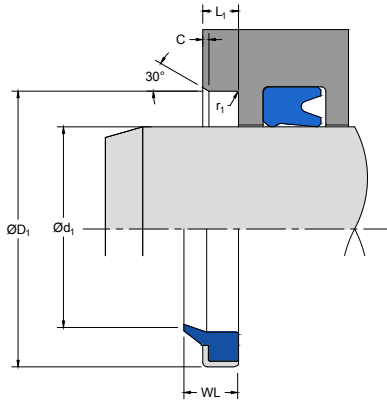
SURFACE ROUGHNESS	μmRa	μmRz	μmRt	μinRa	μinRz	μinRt
Dynamic Sealing Face $\varnothing d_1$	0.1 - 0.4	1.6 max	4 max	4 - 16	63 max	157 max
Static Sealing Face $\varnothing D_1$	1.6 max	6.3 max	10 max	63 max	250 max	394 max
Static Housing Faces L_1	3.2 max	10 max	16 max	125 max	394 max	630 max

RADII				
Rod Diameter $\varnothing d_1$	≤ 19	≥ 19	< 0.75	≥ 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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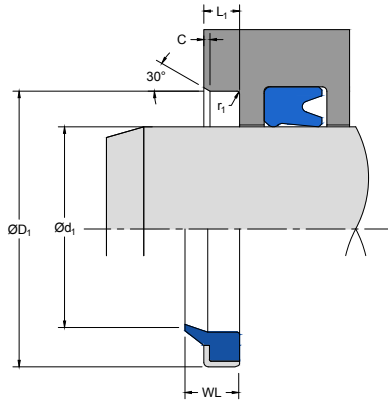
Single-Lipped
Polyurethane, Metal-Cased

PART NUMBER RANGE

METRIC						
$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H8	L_1 +0.50-0	WL	PART No.
8.00	-0.01 -0.05	14.00	+0.03 0.00	3.50	5.00	6950520
12.00	-0.02 -0.06	20.00	+0.03 0.00	4.00	6.00	6950530
15.00	-0.02 -0.06	25.00	+0.03 0.00	5.00	7.00	6950000
16.00	-0.02 -0.06	22.00	+0.03 0.00	3.00	4.00	6950010
18.00	-0.02 -0.06	28.00	+0.03 0.00	5.00	7.00	6950020
18.00	-0.02 -0.06	28.00	+0.03 0.00	7.00	10.00	6950540
20.00	-0.02 -0.07	30.00	+0.03 0.00	4.00	6.00	6950550
20.00	-0.02 -0.07	30.00	+0.03 0.00	5.00	8.00	6950030
20.00	-0.02 -0.07	30.00	+0.03 0.00	7.00	10.00	6950560
22.00	-0.02 -0.07	32.00	+0.04 0.00	5.00	8.00	6950570
25.00	-0.02 -0.07	35.00	+0.04 0.00	5.00	8.00	6950040
25.00	-0.02 -0.07	35.00	+0.04 0.00	7.00	10.00	6950580
25.00	-0.02 -0.07	37.00	+0.04 0.00	6.00	9.00	6950050
28.00	-0.02 -0.07	38.00	+0.04 0.00	5.00	8.00	6950060
28.00	-0.02 -0.07	38.00	+0.04 0.00	7.00	10.00	6950590
30.00	-0.02 -0.07	40.00	+0.04 0.00	5.00	8.00	6950070

NOTE

Part numbers suffixed by "t" are designed for Asian housings.
Part numbers suffixed by "‡" indicate housing sizes to meet ISO 6195 Type B.



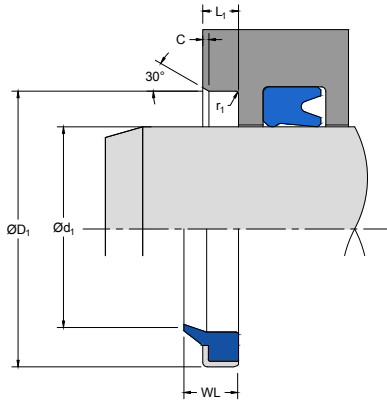
PART NUMBER RANGE

METRIC						
$\text{Ø}d_1$	TOL f9	$\text{Ø}D_1$	TOL H8	L_1 +0.50-0	WL	PART No.
30.00	-0.02 -0.07	40.00	+0.04 0.00	7.00	10.00	6950600
30.00	-0.02 -0.07	42.00	+0.04 0.00	6.00	9.00	6950080†
32.00	-0.03 -0.09	42.00	+0.04 0.00	5.00	8.00	6950090
32.00	-0.03 -0.09	42.00	+0.04 0.00	7.00	10.00	6950610
32.00	-0.03 -0.09	45.00	+0.04 0.00	5.00	8.00	6950620
32.00	-0.03 -0.09	45.00	+0.04 0.00	7.00	10.00	6950630
35.00	-0.03 -0.09	45.00	+0.04 0.00	4.00	6.00	6950640
35.00	-0.03 -0.09	45.00	+0.04 0.00	7.00	10.00	6950100
35.00	-0.03 -0.09	47.00	+0.04 0.00	7.00	10.00	6950110†
36.00	-0.03 -0.09	45.00	+0.04 0.00	7.00	10.00	6950650
36.00	-0.03 -0.09	46.00	+0.04 0.00	7.00	10.00	6950660
38.00	-0.03 -0.09	48.00	+0.04 0.00	7.00	10.00	6950470
40.00	-0.03 -0.09	50.00	+0.04 0.00	7.00	10.00	6950120‡
40.00	-0.03 -0.09	52.00	+0.05 0.00	7.00	10.00	6950130†
42.00	-0.03 -0.09	52.00	+0.05 0.00	7.00	10.00	6950670
45.00	-0.03 -0.09	55.00	+0.05 0.00	5.00	8.00	6950680

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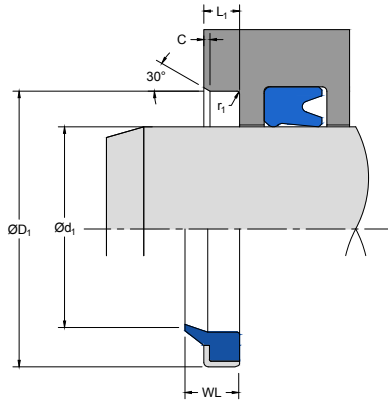
Single-Lipped
Polyurethane, Metal-Cased

PART NUMBER RANGE

METRIC						
$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H8	L_1 +0.50-0	WL	PART No.
45.00	-0.03 -0.09	55.00	+0.05 0.00	7.00	10.00	6950140‡
45.00	-0.03 -0.09	57.00	+0.05 0.00	7.00	10.00	6950150†
50.00	-0.03 -0.09	60.00	+0.05 0.00	5.00	8.00	6950690
50.00	-0.03 -0.09	60.00	+0.05 0.00	7.00	10.00	6950160‡
50.00	-0.03 -0.09	62.00	+0.05 0.00	7.00	10.00	6950170†
55.00	-0.03 -0.10	65.00	+0.05 0.00	7.00	10.00	6950180
55.00	-0.03 -0.10	69.00	+0.05 0.00	8.00	11.00	6950190†
55.00	-0.03 -0.10	70.00	+0.05 0.00	5.00	8.00	6950700
55.00	-0.03 -0.10	70.00	+0.05 0.00	7.00	10.00	6667689
60.00	-0.03 -0.10	70.00	+0.05 0.00	5.00	8.00	6950710
60.00	-0.03 -0.10	70.00	+0.05 0.00	7.00	10.00	6950200
60.00	-0.03 -0.10	74.00	+0.05 0.00	8.00	11.00	6950210†
60.00	-0.03 -0.10	75.00	+0.05 0.00	5.00	8.00	6950720
60.00	-0.03 -0.10	75.00	+0.05 0.00	7.00	10.00	6950730
63.00	-0.03 -0.10	73.00	+0.05 0.00	7.00	10.00	6667690‡
63.00	-0.03 -0.10	75.00	+0.05 0.00	7.00	10.00	6950750

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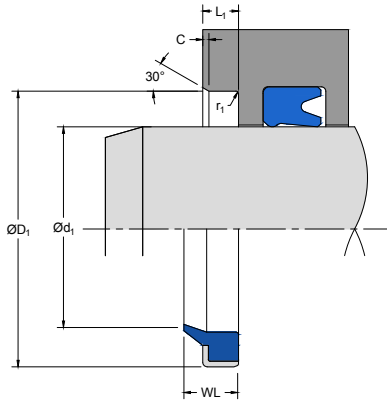
PART NUMBER RANGE

METRIC						
Ød ₁	TOL f9	ØD ₁	TOL H8	L ₁ +0.50-0	WL	PART No.
65.00	-0.03 -0.10	75.00	+0.05 0.00	7.00	10.00	6950220
65.00	-0.03 -0.10	79.00	+0.05 0.00	8.00	11.00	6950230†
70.00	-0.03 -0.10	80.00	+0.05 0.00	7.00	10.00	6950240‡
70.00	-0.03 -0.10	84.00	+0.05 0.00	8.00	11.00	6950250†
75.00	-0.03 -0.10	85.00	+0.05 0.00	7.00	10.00	6950260
75.00	-0.03 -0.10	89.00	+0.05 0.00	8.00	11.00	6950270†
80.00	-0.03 -0.10	90.00	+0.05 0.00	7.00	10.00	6950280‡
80.00	-0.03 -0.10	94.00	+0.05 0.00	8.00	11.00	6950290†
85.00	-0.04 -0.12	95.00	+0.05 0.00	5.00	8.00	6950760
85.00	-0.04 -0.12	95.00	+0.05 0.00	7.00	10.00	6950300
85.00	-0.04 -0.12	99.00	+0.05 0.00	8.00	11.00	6950310†
90.00	-0.04 -0.12	100.00	+0.05 0.00	7.00	10.00	6950320‡
90.00	-0.04 -0.12	104.00	+0.05 0.00	8.00	11.00	6950330†
95.00	-0.04 -0.12	109.00	+0.05 0.00	8.00	11.00	6950340†
100.00	-0.04 -0.12	110.00	+0.05 0.00	7.00	10.00	6950350
100.00	-0.04 -0.12	114.00	+0.05 0.00	8.00	11.00	6950360†

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WIPER

Single-Lipped
Polyurethane, Metal-Cased

PART NUMBER RANGE

METRIC						
$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H8	L_1 +0.50-0	WL	PART No.
105.00	-0.04 -0.12	115.00	+0.05 0.00	7.00	10.00	6950770
105.00	-0.04 -0.12	121.00	+0.06 0.00	9.00	12.00	6950370†
110.00	-0.04 -0.12	120.00	+0.05 0.00	7.00	10.00	6950380
110.00	-0.04 -0.12	126.00	+0.06 0.00	9.00	12.00	6950390†
115.00	-0.04 -0.12	131.00	+0.06 0.00	9.00	12.00	6950400†
120.00	-0.04 -0.12	130.00	+0.06 0.00	7.00	10.00	6950410
120.00	-0.04 -0.12	136.00	+0.06 0.00	9.00	12.00	6950420†
125.00	-0.04 -0.14	140.00	+0.06 0.00	9.00	12.00	6950780
125.00	-0.04 -0.14	141.00	+0.06 0.00	9.00	12.00	6950790
130.00	-0.04 -0.14	146.00	+0.06 0.00	9.00	12.00	6950430†
135.00	-0.04 -0.14	155.00	+0.06 0.00	10.00	14.00	6950800
140.00	-0.04 -0.14	155.00	+0.06 0.00	9.00	12.00	6950810
140.00	-0.04 -0.14	160.00	+0.06 0.00	10.00	14.00	6950440†
150.00	-0.04 -0.14	170.00	+0.06 0.00	10.00	14.00	6950450†
160.00	-0.04 -0.14	180.00	+0.06 0.00	10.00	14.00	6950460†
180.00	-0.04 -0.14	195.00	+0.07 0.00	10.00	14.00	6950820

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