Hallite

860

Design

The Hallite 860 is a metal cased wiper, designed to press-fit into open groove housings. Hallite's 860 wiper comprises a precisely trimmed polyurethane wiping element which is securely bonded to a metal case treated with a rust inhibitor. Capable of operating in dirty conditions, the proportions of the polyurethane wiping lip allow it to follow the side movement of the rod and to clear away heavily deposited dirt.

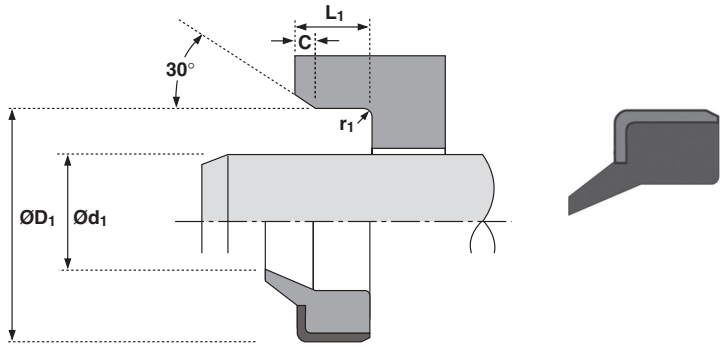
Suitable for light, medium and heavy duty applications, the wiper has been designed to provide ease of installation and offers excellent durability in service. The Hallite 860 offers a range of sizes suitable for ISO 6195 type B housings and a range for standard Asian housings.

NB: Part numbers suffixed by "†" are designed for Asian housings.

Part numbers suffixed by "‡" indicate housing sizes to meet ISO 6195 type B.

Features

- Ease of assembly
- Long life
- Precision trimmed wiping lip
- Metal case treated with a rust inhibitor
- Wide range of application uses
- Range includes ISO & standard Asian housings

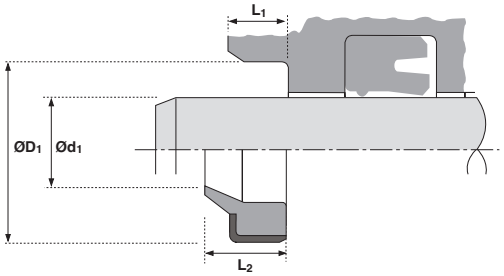


Technical details

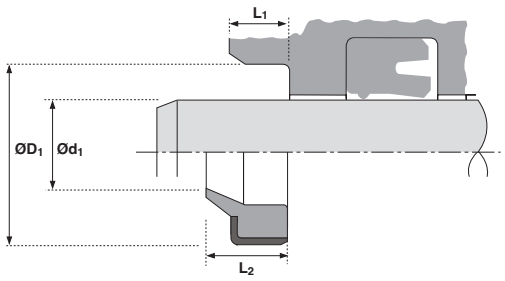
	Metric		Inch	
Operating conditions				
Maximum Speed	1.0 m/sec		3.0 ft/sec	
Temperature Range	-40°C +100°C		-40°F +212°F	
Surface roughness	**µmRa**	**µmRt**	**µinCLA**	**µinRMS**
Dynamic Sealing Face $Ød_1$	0.1 < > 0.4	4 max	4 < > 16	5 < > 18
Static Sealing Face $ØD_1$	1.6 max	10 max	63 max	70 max
Static Housing Faces L_1	3.2 max	16 max	125 max	140 max
Chamfers & Radii				
Rod Diameter $Ød_1$ mm	≤ 19	≥ 19		
Min Chamfer C mm	0.5	1.0		
Max Fillet Rad r_1 mm	0.4	0.4		
Rod Diameter $Ød_1$ in	< 0.75	≥ 0.75		
Min Chamfer C in	0.020	0.040		
Max Fillet Rad r_1 in	0.016	0.016		

Tolerances	**$Ød_1$**	**$ØD_1$**	**L_1 mm**	**L_1 in**
	f9	H8	+0.5 -0	+0.020 -0

wipers

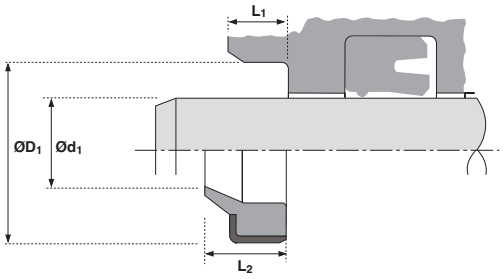


Ød1	TOL f9	ØD1	TOL H8	L1 +0.5 -0	L2	PART No.
8	-0.013 -0.049	14	+0.033 +0.000	3.5	5.0	6950520
12	-0.016 -0.059	20	+0.033 +0.000	4.0	6.0	6950530
15	-0.016 -0.059	25	+0.033 +0.000	5.0	7.0	6950000
16	-0.016 -0.059	22	+0.033 +0.000	3.0	4.0	6950010
18	-0.016 -0.059	28	+0.033 +0.000	5.0	7.0	6950020
18	-0.016 -0.059	28	+0.033 +0.000	7.0	10.0	6950540
20	-0.020 -0.072	30	+0.033 +0.000	4.0	6.0	6950550
20	-0.020 -0.072	30	+0.033 +0.000	5.0	8.0	6950030
20	-0.020 -0.072	30	+0.033 +0.000	7.0	10.0	6950560
22	-0.020 -0.072	32	+0.033 +0.000	5.0	8.0	6950570
25	-0.020 -0.072	35	+0.039 +0.000	5.0	8.0	6950040
25	-0.020 -0.072	35	+0.039 +0.000	7.0	10.0	6950580
25	-0.020 -0.072	37	+0.039 +0.000	6.0	9.0	6950050†
28	-0.020 -0.072	38	+0.039 +0.000	5.0	8.0	6950060
28	-0.020 -0.072	38	+0.039 +0.000	7.0	10.0	6950590
30	-0.020 -0.072	40	+0.039 +0.000	5.0	8.0	6950070
30	-0.020 -0.072	40	+0.039 +0.000	7.0	10.0	6950600
30	-0.020 -0.072	42	+0.039 +0.000	6.0	9.0	6950080†
32	-0.025 -0.087	42	+0.039 +0.000	5.0	8.0	6950090
32	-0.025 -0.087	42	+0.039 +0.000	7.0	10.0	6950610
32	-0.025 -0.087	45	+0.039 +0.000	5.0	8.0	6950620
32	-0.025 -0.087	45	+0.039 +0.000	7.0	10.0	6950630
35	-0.025 -0.087	45	+0.039 +0.000	4.0	6.0	6950640
35	-0.025 -0.087	45	+0.039 +0.000	7.0	10.0	6950100
35	-0.025 -0.087	47	+0.039 +0.000	7.0	10.0	6950110†
36	-0.025 -0.087	45	+0.039 +0.000	7.0	10.0	6950650
36	-0.025 -0.087	46	+0.039 +0.000	7.0	10.0	6950660
38	-0.025 -0.087	48	+0.039 +0.000	7.0	10.0	6950470
40	-0.025 -0.087	50	+0.039 +0.000	7.0	10.0	6950120‡
40	-0.025 -0.087	52	+0.046 +0.000	7.0	10.0	6950130†
42	-0.025 -0.087	52	+0.046 +0.000	7.0	10.0	6950670
45	-0.025 -0.087	55	+0.046 +0.000	5.0	8.0	6950680
45	-0.025 -0.087	55	+0.046 +0.000	7.0	10.0	6950140‡
45	-0.025 -0.087	57	+0.046 +0.000	7.0	10.0	6950150†
50	-0.025 -0.087	60	+0.046 +0.000	5.0	8.0	6950690
50	-0.025 -0.087	60	+0.046 +0.000	7.0	10.0	6950160‡
50	-0.025 -0.087	62	+0.046 +0.000	7.0	10.0	6950170†
55	-0.030 -0.104	65	+0.046 +0.000	7.0	10.0	6950180
55	-0.030 -0.104	69	+0.046 +0.000	8.0	11.0	6950190†
55	-0.030 -0.104	70	+0.046 +0.000	5.0	8.0	6950700
55	-0.030 -0.104	70	+0.046 +0.000	7.0	10.0	6667689
60	-0.030 -0.104	70	+0.046 +0.000	5.0	8.0	6950710
60	-0.030 -0.104	70	+0.046 +0.000	7.0	10.0	6950200
60	-0.030 -0.104	74	+0.046 +0.000	8.0	11.0	6950210†
60	-0.030 -0.104	75	+0.046 +0.000	5.0	8.0	6950720
60	-0.030 -0.104	75	+0.046 +0.000	7.0	10.0	6950730



Ød1	TOL f9	ØD1	TOL H8	L1 +0.5 -0	L2	PART No.
63	-0.030 -0.104	73	+0.046 +0.000	7.0	10.0	6667690‡
63	-0.030 -0.104	75	+0.046 +0.000	7.0	10.0	6950750
65	-0.030 -0.104	75	+0.046 +0.000	7.0	10.0	6950220
65	-0.030 -0.104	79	+0.046 +0.000	8.0	11.0	6950230†
70	-0.030 -0.104	80	+0.046 +0.000	7.0	10.0	6950240‡
70	-0.030 -0.104	84	+0.054 +0.000	8.0	11.0	6950250†
75	-0.030 -0.104	85	+0.054 +0.000	7.0	10.0	6950260
75	-0.030 -0.104	89	+0.054 +0.000	8.0	11.0	6950270†
80	-0.030 -0.104	90	+0.054 +0.000	7.0	10.0	6950280‡
80	-0.030 -0.104	94	+0.054 +0.000	8.0	11.0	6950290†
85	-0.036 -0.123	95	+0.054 +0.000	7.0	10.0	6950300
85	-0.036 -0.123	95	+0.054 +0.000	5.0	8.0	6950760
85	-0.036 -0.123	99	+0.054 +0.000	8.0	11.0	6950310†
90	-0.036 -0.123	100	+0.054 +0.000	7.0	10.0	6950320‡
90	-0.036 -0.123	104	+0.054 +0.000	8.0	11.0	6950330†
95	-0.036 -0.123	109	+0.054 +0.000	8.0	11.0	6950340†
100	-0.036 -0.123	110	+0.054 +0.000	7.0	10.0	6950350

Ød1	TOL f9	ØD1	TOL H8	L1 +0.5 -0	L2	PART No.
100	-0.036 -0.123	114	+0.054 +0.000	8.0	11.0	6950360†
105	-0.036 -0.123	115	+0.063 +0.000	7.0	10.0	6950770
105	-0.036 -0.123	121	+0.063 +0.000	9.0	12.0	6950370†
110	-0.036 -0.123	120	+0.054 +0.000	7.0	10.0	6950380
110	-0.036 -0.123	126	+0.063 +0.000	9.0	12.0	6950390†
115	-0.036 -0.123	131	+0.063 +0.000	9.0	12.0	6950400†
120	-0.036 -0.123	130	+0.063 +0.000	7.0	10.0	6950410
120	-0.036 -0.123	136	+0.063 +0.000	9.0	12.0	6950420†
125	-0.043 -0.143	140	+0.063 +0.000	9.0	12.0	6950780
125	-0.043 -0.143	141	+0.063 +0.000	9.0	12.0	6950790
130	-0.043 -0.143	146	+0.063 +0.000	9.0	12.0	6950430†
135	-0.043 -0.143	155	+0.063 +0.000	10.0	14.0	6950800
140	-0.043 -0.143	155	+0.063 +0.000	9.0	12.0	6950810
140	-0.043 -0.143	160	+0.063 +0.000	10.0	14.0	6950440†
150	-0.043 -0.143	170	+0.063 +0.000	10.0	14.0	6950450†
160	-0.043 -0.143	180	+0.063 +0.000	10.0	14.0	6950460†
180	-0.043 -0.143	195	+0.063 +0.000	10.0	14.0	6950820



Ød1	TOL f9	ØD1	TOL H8	L1 +0.020 -0	L2	PART No.
0.750	-0.0008 -0.0028	1.125	+0.0013 +0.0000	0.187	0.281	6955100
1.000	-0.0008 -0.0028	1.375	+0.0015 +0.0000	0.187	0.281	6955120
1.250	-0.0010 -0.0034	1.625	+0.0015 +0.0000	0.187	0.281	6955140
1.500	-0.0010 -0.0034	1.875	+0.0015 +0.0000	0.187	0.281	6955160
1.750	-0.0010 -0.0034	2.125	+0.0018 +0.0000	0.187	0.281	6955180

Ød1	TOL f9	ØD1	TOL H8	L1 +0.020 -0	L2	PART No.
2.000	-0.0012 -0.0041	2.375	+0.0018 +0.0000	0.187	0.281	6955200
2.250	-0.0012 -0.0041	2.625	+0.0018 +0.0000	0.187	0.281	6955220
2.500	-0.0012 -0.0041	2.875	+0.0018 +0.0000	0.187	0.281	6955240
2.750	-0.0012 -0.0041	3.125	+0.0018 +0.0000	0.187	0.281	6955260
3.000	-0.0012 -0.0041	3.375	+0.0021 +0.0000	0.187	0.281	6955280