

37

WIPER

*Single-Lipped
NBR, Metal-Cased*

DESIGN

The Hallite 37 single-lipped, metal-cased wiper is designed to press fit into open groove housings for light and medium-duty applications.

The precision trimmed nitrile (NBR) wiping element is securely bonded to a metal case treated to inhibit rust. The proportions of the NBR wiping lip follow the side movement of the rod to clear away the deposited dirt.

The Hallite 37 is offered in a range of sizes suitable for ISO 6195 Type B housings.

For heavier duty applications, Hallite would recommend using the Hallite 860 single-lipped, metal-cased polyurethane wiper.



FEATURES

- Precision trimmed wiping lip
- Metal case treated with rust inhibitor
- Sharp wiping lip scrapes removes contamination
- Wide range of application uses



TECHNICAL DETAILS

OPERATING CONDITIONS	METRIC	INCH
Maximum Speed	1.0 m/sec	3.0 ft/sec
Temperature Range	-30°C +100°C	-22°F +212°F

NOTE

Not designed to scrape ice

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.

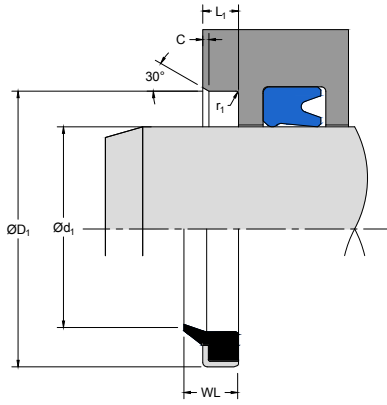
SURFACE ROUGHNESS	μmRa	μmRz	μmRt	μinRa	μinRz	μinRt
Dynamic Sealing Face $\varnothing d_1$	0.1 - 0.4	1.6 max	4 max	4 - 16	63 max	157 max
Static Sealing Face $\varnothing D_1$	1.6 max	6.3 max	10 max	63 max	250 max	394 max
Static Housing Faces L_1	3.2 max	10 max	16 max	125 max	394 max	630 max

RADII		
Rod Diameter $\varnothing d_1$	≤ 19	≥ 19
Min Chamfer C	0.50	1.00
Max Fillet Rad r_1	1.00	1.00

NOTE

Assembly chamfers are governed by the associated rod seal.

TOLERANCES	$\varnothing d_1$	$\varnothing D_1$	L_1
mm	f9	H8	+0.50 -0



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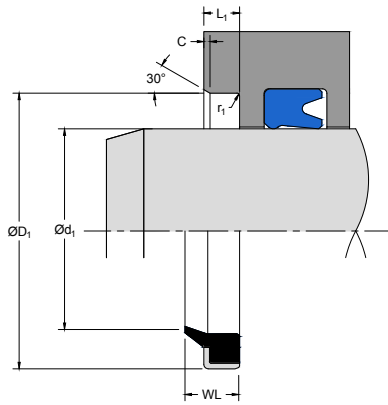
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PART NUMBER RANGE

METRIC						
Ød ₁	TOL f9	ØD 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	8759200
10.00	-0.01 -0.05	16.00	0.03 0.00	3.00	4.50	6644400
10.00	-0.01 -0.05	18.00	0.03 0.00	5.00	8.00	8759300±
12.00	-0.02 -0.06	20.00	0.03 0.00	4.00	6.00	6644500
12.00	-0.02 -0.06	22.00	0.03 0.00	5.00	8.00	8759400
14.00	-0.02 -0.06	20.00	0.03 0.00	4.00	5.00	8759500
14.00	-0.02 -0.06	22.00	0.03 0.00	3.00	4.00	8759600
15.00	-0.02 -0.06	25.00	0.03 0.00	5.00	8.00	8759700
16.00	-0.02 -0.06	22.00	0.03 0.00	3.00	4.00	8759800
16.00	-0.02 -0.06	22.00	0.03 0.00	3.50	5.00	8759900
16.00	-0.02 -0.06	26.00	0.03 0.00	5.00	8.00	6644600
18.00	-0.02 -0.06	26.00	0.03 0.00	5.00	7.00	8760000
18.00	-0.02 -0.06	28.00	0.03 0.00	7.00	10.00	8760100±
20.00	-0.02 -0.07	26.00	0.03 0.00	4.00	7.00	8760200
20.00	-0.02 -0.07	28.00	0.03 0.00	3.50	5.00	6644700
20.00	-0.02 -0.07	28.00	0.03 0.00	5.00	8.00	8760300
20.00	-0.02 -0.07	30.00	0.03 0.00	4.00	6.00	6644800

NOTE

Part numbers suffixed by "±" indicate housing sizes to meet ISO 6195A.

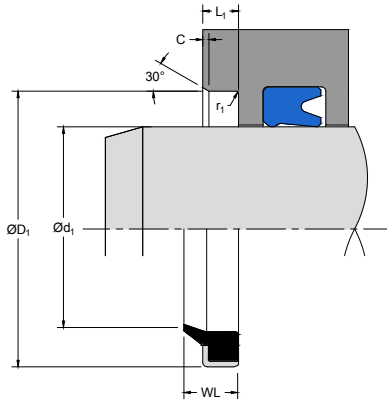


PART NUMBER RANGE

METRIC						
$\text{Ø}d_1$	TOL f9	$\text{Ø}D_1$	TOL H8	L_1 +0.50-0	WL	PART No.
20.00	-0.02 -0.07	30.00	0.03 0.00	5.00	8.00	8760400
20.00	-0.02 -0.07	30.00	0.03 0.00	7.00	10.00	6644900‡
22.00	-0.02 -0.07	28.00	0.03 0.00	5.00	8.00	8760500
22.00	-0.02 -0.07	32.00	0.04 0.00	5.00	8.00	8760600
22.00	-0.02 -0.07	32.00	0.04 0.00	7.00	10.00	8760700‡
22.00	-0.02 -0.07	35.00	0.04 0.00	5.00	8.00	8760800
25.00	-0.02 -0.07	35.00	0.04 0.00	5.00	8.00	8760900
25.00	-0.02 -0.07	35.00	0.04 0.00	7.00	10.00	6588300‡
28.00	-0.02 -0.07	38.00	0.04 0.00	5.00	8.00	8761000
28.00	-0.02 -0.07	38.00	0.04 0.00	7.00	10.00	6588400‡
28.00	-0.02 -0.07	40.00	0.04 0.00	7.00	10.00	6645000
30.00	-0.02 -0.07	40.00	0.04 0.00	5.00	8.00	6645100
30.00	-0.02 -0.07	40.00	0.04 0.00	7.00	10.00	8761100
30.00	-0.02 -0.07	45.00	0.04 0.00	5.00	8.00	8761200
32.00	-0.03 -0.09	40.00	0.04 0.00	4.00	7.00	8761300
32.00	-0.03 -0.09	40.00	0.04 0.00	7.00	10.00	8761400
32.00	-0.03 -0.09	42.00	0.04 0.00	5.00	7.00	6645200

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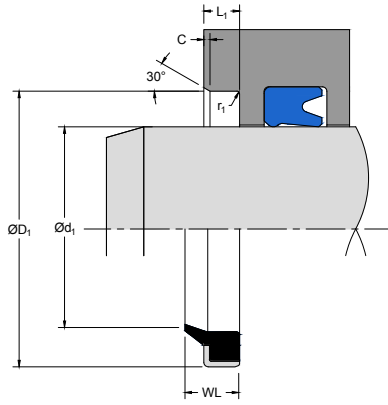
PART NUMBER RANGE

METRIC						
Ød ₁	TOL f9	ØD ₁	TOL H8	L ₁ +0.50-0	WL	PART No.
32.00	-0.03 -0.09	42.00	0.04 0.00	7.00	10.00	6588500‡
32.00	-0.03 -0.09	45.00	0.04 0.00	5.00	8.00	6645300
35.00	-0.03 -0.09	45.00	0.04 0.00	5.00	7.00	8761500
35.00	-0.03 -0.09	45.00	0.04 0.00	7.00	10.00	6645400
35.00	-0.03 -0.09	47.00	0.04 0.00	7.00	10.00	8761600
36.00	-0.03 -0.09	45.00	0.04 0.00	7.00	10.00	8761700
36.00	-0.03 -0.09	46.00	0.04 0.00	5.00	7.00	8761800
36.00	-0.03 -0.09	46.00	0.04 0.00	7.00	10.00	6588600‡
40.00	-0.03 -0.09	50.00	0.04 0.00	5.00	8.00	6645500
40.00	-0.03 -0.09	50.00	0.04 0.00	7.00	10.00	6588700‡
40.00	-0.03 -0.09	52.00	0.05 0.00	5.00	8.00	8761900
42.00	-0.03 -0.09	52.00	0.05 0.00	7.00	10.00	8762000
45.00	-0.03 -0.09	55.00	0.05 0.00	5.00	7.00	8762100
45.00	-0.03 -0.09	55.00	0.05 0.00	7.00	10.00	6588800‡
45.00	-0.03 -0.09	60.00	0.05 0.00	7.00	10.00	6645600
50.00	-0.03 -0.09	56.00	0.05 0.00	5.00	7.00	6645700
50.00	-0.03 -0.09	60.00	0.05 0.00	5.00	7.00	6688500

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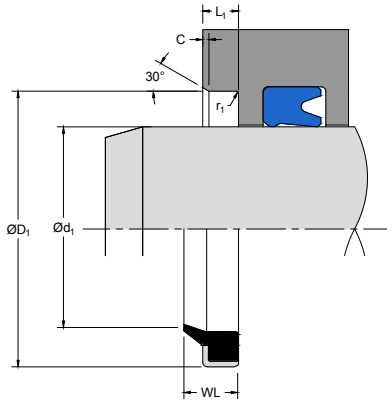


PART NUMBER RANGE

METRIC						
Ød ₁	TOL f ₉	ØD ₁	TOL H ₈	L ₁ +0.50-0	WL	PART No.
50.00	-0.03 -0.09	60.00	0.05 0.00	7.00	10.00	6588900‡
50.00	-0.03 -0.09	65.00	0.05 0.00	7.00	10.00	8762200
52.00	-0.03 -0.10	62.00	0.05 0.00	7.00	10.00	8762300
55.00	-0.03 -0.10	63.00	0.05 0.00	7.00	10.00	8762400
55.00	-0.03 -0.10	65.00	0.05 0.00	5.00	7.00	8762500
55.00	-0.03 -0.10	65.00	0.05 0.00	7.00	10.00	6645800
56.00	-0.03 -0.10	66.00	0.05 0.00	5.00	8.00	8762600
56.00	-0.03 -0.10	66.00	0.05 0.00	7.00	10.00	6589000‡
60.00	-0.03 -0.10	70.00	0.05 0.00	5.00	7.00	8762700
60.00	-0.03 -0.10	70.00	0.05 0.00	7.00	10.00	6645900
60.00	-0.03 -0.10	74.00	0.05 0.00	5.00	8.00	8762800
60.00	-0.03 -0.10	75.00	0.05 0.00	7.00	10.00	8762900
60.00	-0.03 -0.10	80.00	0.05 0.00	7.00	10.00	8763000
63.00	-0.03 -0.10	73.00	0.05 0.00	7.00	10.00	6589100‡
63.00	-0.03 -0.10	75.00	0.05 0.00	7.00	10.00	6646000
65.00	-0.03 -0.10	75.00	0.05 0.00	5.00	7.00	8763100
65.00	-0.03 -0.10	75.00	0.05 0.00	7.00	10.00	6646100

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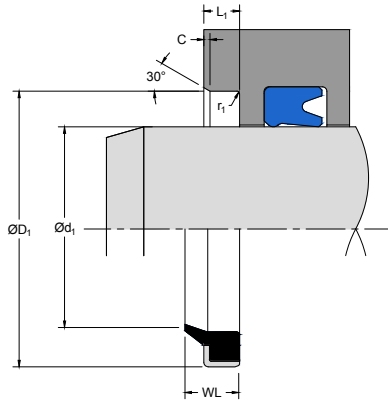
PART NUMBER RANGE

METRIC						
Ød ₁	TOL f9	ØD ₁	TOL H8	L ₁ +0.50-0	WL	PART No.
70.00	-0.03 -0.10	80.00	0.05 0.00	5.00	7.00	8763200
70.00	-0.03 -0.10	80.00	0.05 0.00	7.00	10.00	6589200±
75.00	-0.03 -0.10	85.00	0.05 0.00	7.00	10.00	8763300
80.00	-0.03 -0.10	90.00	0.05 0.00	7.00	10.00	6589300±
85.00	-0.04 -0.12	95.00	0.05 0.00	7.00	10.00	8763400
90.00	-0.04 -0.12	100.00	0.05 0.00	5.00	7.00	8763500
90.00	-0.04 -0.12	100.00	0.05 0.00	7.00	10.00	6589400±
95.00	-0.04 -0.12	105.00	0.05 0.00	7.00	10.00	8763600
100.00	-0.04 -0.12	110.00	0.05 0.00	5.00	8.00	8763700
100.00	-0.04 -0.12	110.00	0.05 0.00	7.00	10.00	8763800
100.00	-0.04 -0.12	115.00	0.05 0.00	8.00	10.00	8763900
105.00	-0.04 -0.12	115.00	0.05 0.00	7.00	10.00	8764000
110.00	-0.04 -0.12	120.00	0.05 0.00	7.00	10.00	8764100
115.00	-0.04 -0.12	125.00	0.06 0.00	7.00	10.00	8764200
120.00	-0.04 -0.12	130.00	0.06 0.00	7.00	10.00	8764300
125.00	-0.04 -0.14	140.00	0.06 0.00	9.00	12.00	6589700±
130.00	-0.04 -0.14	145.00	0.06 0.00	9.00	12.00	8764400

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PART NUMBER RANGE

METRIC						
$\text{Ø}d_1$	TOL f9	$\text{Ø}D_1$	TOL H8	L_1 +0.50-0	WL	PART No.
135.00	-0.04 -0.14	150.00	0.06 0.00	9.00	12.00	8764500
140.00	-0.04 -0.14	155.00	0.06 0.00	9.00	12.00	6589800‡
145.00	-0.04 -0.14	160.00	0.06 0.00	9.00	12.00	8764600
150.00	-0.04 -0.14	165.00	0.06 0.00	9.00	12.00	8764700
160.00	-0.04 -0.14	175.00	0.06 0.00	9.00	12.00	6589900‡
170.00	-0.04 -0.14	185.00	0.07 0.00	10.00	14.00	8764800
180.00	-0.04 -0.14	195.00	0.07 0.00	10.00	14.00	8764900
200.00	-0.05 -0.17	220.00	0.07 0.00	12.00	16.00	8765000
220.00	-0.05 -0.17	240.00	0.07 0.00	12.00	16.00	8765100‡
240.00	-0.05 -0.17	260.00	0.08 0.00	12.00	16.00	8765200
250.00	-0.05 -0.17	270.00	0.08 0.00	12.00	16.00	8765300‡

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