

# 864

## WIPER

*Double-Lipped  
Polyurethane, Metal-Cased,  
Designed for Popular Asian Housing*

### DESIGN

The Hallite 864 is a double-lipped, metal-cased wiper is designed to press fit into open groove housings of popular Asian housing sizes for a wide range of applications and for use with venting U-rings, such as the Hallite 663 or Hallite 673 rod seal.

The polyurethane wiping element is bonded to a nitrided metal case eliminating the potential for rust. The polyurethane wiping element has a precision trimmed sealing lip to collect the fluid passing the rod seal and a specially wiping lip is textured to provide improved dry rod performance, particularly for long stroking cylinder applications.

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 864 is moulded in Hythane® 361, Hallite's high-performance polyurethane, for excellent durability in service. The Hallite 846 is also offered in Hythane® 181 for lower friction and good low temperature flexibility.



### FEATURES

- Fits popular Asian housing sizes
- Nitrided metal case provides maximum corrosion resistance
- Precision trimmed sealing lip ensures drier sealing system
- Textured wiper lip for improved leakage control
- Designed to follow the rod deflection caused by side loads
- Long life and long wear

### 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® 361-Steel	TPU-AU	Orange
Optional	Hythane® 181-Steel	TPU-EU	Blue



## TECHNICAL DETAILS

OPERATING CONDITIONS	METRIC	INCH
Maximum Speed	1.0 m/sec	3.0 ft/sec
Temperature Range	-45°C +110°C	-50°F +230°F

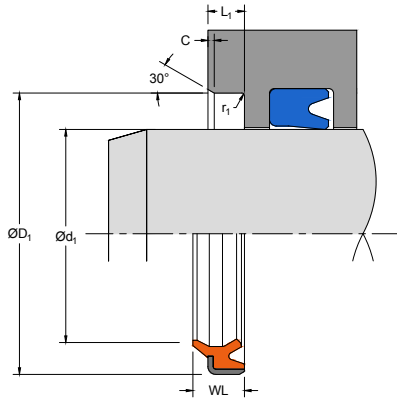
### NOTE

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 $\varnothing d_1$ , mm	$\leq 19$	$\geq 19$
Min Chamfer C mm	0.50	1.00
Max Fillet Rad $r_1$ , mm	0.40	0.40

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



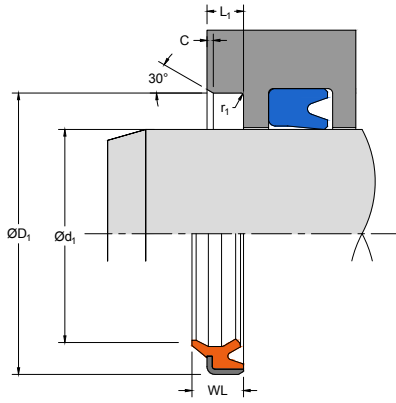
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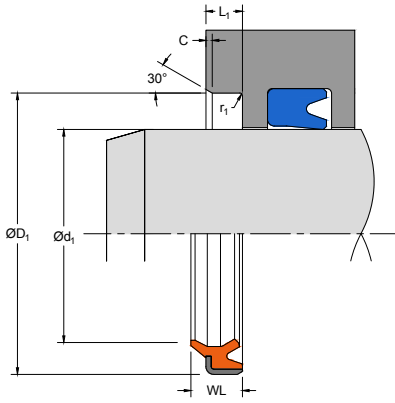
### PART NUMBER RANGE

METRIC						
Ød <sub>1</sub>	TOL f <sub>9</sub>	ØD <sub>1</sub>	TOL H11	L <sub>1</sub> +0.50 -0	WL	PART No.
25.00	-0.02 -0.07	35.00	+0.04 0.00	5.00	8.00	4680506
30.00	-0.02 -0.07	40.00	+0.04 0.00	5.00	8.00	4680606
30.00	-0.02 -0.07	42.00	+0.04 0.00	6.00	9.00	4680706
30.00	-0.02 -0.07	47.00	+0.04 0.00	7.00	10.00	4683006
32.00	-0.03 -0.09	52.00	+0.05 0.00	8.00	11.00	4683106
35.00	-0.03 -0.09	45.00	+0.04 0.00	7.00	10.00	4680806
35.00	-0.03 -0.09	47.00	+0.04 0.00	7.00	10.00	4680906
36.00	-0.03 -0.09	48.00	+0.04 0.00	7.00	10.00	4683206
40.00	-0.03 -0.09	50.00	+0.04 0.00	5.00	8.00	4681006
40.00	-0.03 -0.09	52.00	+0.05 0.00	7.00	10.00	4681106
45.00	-0.03 -0.09	55.00	+0.05 0.00	7.00	10.00	4681206
45.00	-0.03 -0.09	57.00	+0.05 0.00	7.00	10.00	4681306
50.00	-0.03 -0.09	62.00	+0.05 0.00	7.00	10.00	4680206
50.00	-0.03 -0.09	72.00	+0.05 0.00	8.00	11.00	4683306
55.00	-0.03 -0.10	69.00	+0.05 0.00	8.00	11.00	4681406
60.00	-0.03 -0.10	74.00	+0.05 0.00	8.00	11.00	4681506
60.00	-0.03 -0.10	82.00	+0.05 0.00	11.00	14.00	4683406



## PART NUMBER RANGE

METRIC						
$\text{Ø}d_1$	TOL f9	$\text{Ø}D_1$	TOL H11	$L_1$ +0.50 -0	WL	PART No.
65.00	-0.03 -0.10	79.00	+0.05 0.00	8.00	11.00	4681606
70.00	-0.03 -0.10	80.00	+0.05 0.00	7.00	9.00	4684306
70.00	-0.03 -0.10	84.00	+0.05 0.00	8.00	11.00	4681706
75.00	-0.03 -0.10	89.00	+0.05 0.00	8.00	11.00	4681806
80.00	-0.03 -0.10	94.00	+0.05 0.00	8.00	11.00	4681906
85.00	-0.04 -0.12	99.00	+0.05 0.00	8.00	11.00	4682006
90.00	-0.04 -0.12	104.00	+0.05 0.00	8.00	11.00	4682106
90.00	-0.04 -0.12	105.00	+0.05 0.00	6.00	9.00	4683606
95.00	-0.04 -0.12	109.00	+0.05 0.00	8.00	11.00	4682206
100.00	-0.04 -0.12	114.00	+0.05 0.00	8.00	11.00	4682306
100.00	-0.04 -0.12	115.00	+0.05 0.00	7.50	10.00	4683706
110.00	-0.04 -0.12	126.00	+0.06 0.00	9.00	12.00	4682406
115.00	-0.04 -0.12	131.00	+0.06 0.00	9.00	12.00	4684206
120.00	-0.04 -0.12	135.00	+0.06 0.00	7.00	10.00	4683806
120.00	-0.04 -0.12	136.00	+0.06 0.00	9.00	12.00	4682506
130.00	-0.04 -0.14	145.00	+0.06 0.00	9.00	12.00	4683906
130.00	-0.04 -0.14	146.00	+0.06 0.00	9.00	12.00	4682606



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METRIC						
$\varnothing d_1$	TOL f9	$\varnothing D_1$	TOL H11	$L_1$ +0.50 -0	WL	PART No.
135.00	-0.04 -0.14	155.00	+0.06 0.00	10.00	14.00	4683506
140.00	-0.04 -0.14	155.00	+0.06 0.00	9.00	12.00	4684006
140.00	-0.04 -0.14	160.00	+0.06 0.00	10.00	14.00	4682706
150.00	-0.04 -0.14	170.00	+0.06 0.00	10.00	14.00	4682806
160.00	-0.04 -0.14	180.00	+0.06 0.00	10.00	14.00	4682906