



# 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                    | µmRa      | µmRz    | µmRt   | µinRa   | µinRz   | µinRt   |
|--------------------------------------|-----------|---------|--------|---------|---------|---------|
| Dynamic Sealing Face Ød <sub>1</sub> | 0.1 - 0.4 | 1.6 max | 4 max  | 4 - 16  | 63 max  | 157 max |
| Static Sealing Face ØD <sub>1</sub>  | 1.6 max   | 6.3 max | 10 max | 63 max  | 250 max | 394 max |
| Static Housing Faces L <sub>1</sub>  | 3.2 max   | 10 max  | 16 max | 125 max | 394 max | 630 max |

| RADII                         |      |      |        |        |
|-------------------------------|------|------|--------|--------|
| Rod Diameter Ød <sub>1</sub>  | ≤ 19 | ≥ 19 | < 0.75 | ≥ 0.75 |
| Min Chamfer C                 | 0.50 | 1.00 | 0.020  | 0.040  |
| Max Fillet Rad r <sub>1</sub> | 0.40 | 0.40 | 0.016  | 0.016  |

**NOTE**

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

| TOLERANCES | Ød <sub>1</sub> | ØD <sub>1</sub> | L <sub>1</sub> |
|------------|-----------------|-----------------|----------------|
| mm         | f9              | H8              | +0.50 -0       |
| in         | f9              | H8              | +0.020 -0      |