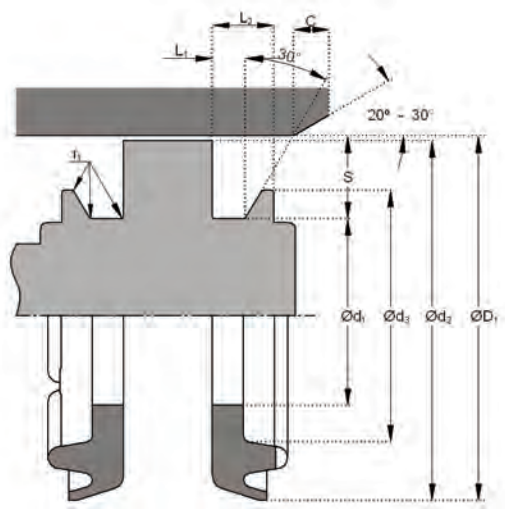
667

## Technical details

| | Metric | | Inch | |
|---|---|---|---|---|
| **Operating conditions** | | | | |
| Maximum Speed | 1.0 m/sec | | 3.0 ft/sec | |
| Temperature Range | -45°C +80°C | | -50°F +180°F | |
| Maximum Pressure | 16 bar | | 230 p.s.i. | |
| **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** | | | | |
| Groove Section ≤ S in | 0.500 | 0.750 | | |
| Min Chamfer C in | 0.270 | 0.315 | | |
| Max Fillet Rad $r_1$ in | 0.016 | 0.016 | | |

| **Tolerances** | $ØD_1$ | $Ød_1$ | $Ød_2$ | $Ød_3$ | $L_1$ | $L_2$ |
|---|---|---|---|---|---|---|
| in | +0.002-0 | +0 -0.005 | +0 -0.002 | +0 -0.005 | +0.005 -0 | +/-0.005 |




## Design

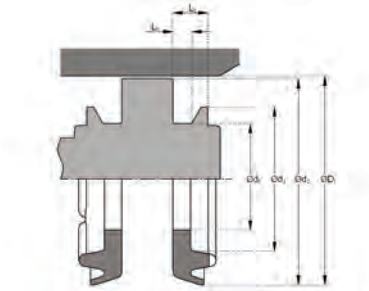
The Hallite 667 uses the well established sealing lip of the Hallite 607 pneumatic piston seal in a construction that provides additional cushioning for a pneumatic cylinder. Made from Hallite® 181 material, the design incorporates buffers, which reduce the likelihood of metal contact at the end stroke of a cylinder, particularly if the retardation of the piston by the pneumatic cushion is insufficient. In turn, this additional buffering will reduce end stroke noise.

## Features

- **Effective sealing**
- **Low friction**
- **Easy installation**
- **Excellent temperature range**
- **Reduced cylinder noise**

Hallite
Fenner Advanced Sealing Technologies

# 667



| $ØD_1$ +0.002-0 | $d_1$ +0 -0.005 | $d_2$ +0 -0.002 | $d_3$ +0 -0.005 | $L_1$ +0.005 -0 | $L_2$ +/- 0.005 | PART No |
|---|---|---|---|---|---|---|
| 1.500 | 0.810 | 1.498 | 1.050 | 0.138 | 0.256 | 4788800 |
| 2.000 | 1.202 | 1.998 | 1.440 | 0.138 | 0.256 | 4779800 |
| 2.500 | 1.640 | 2.498 | 1.925 | 0.157 | 0.315 | 4773100 |
| 3.250 | 2.150 | 3.247 | 2.550 | 0.157 | 0.315 | 4788900 |
| 4.000 | 2.810 | 3.995 | 3.268 | 0.157 | 0.315 | 4789000 |
| 5.000 | 3.525 | 4.995 | 4.095 | 0.197 | 0.375 | 4789100 |