



## Pneumatic Piston Seals

### Technical details

Metric

Inch

#### Operating conditions

Maximum Speed 1.0 m/sec  
 Temperature Range -45°C +80°C  
 Maximum Pressure 16 bar

3.0 ft/sec  
 -50°F +180°F  
 230 p.s.i.

#### Surface roughness

Dynamic Sealing Face  $\varnothing D_1$   $\mu\text{mRa}$  0.1 <> 0.4  $\mu\text{mRt}$  4 max  
 Static Sealing Face  $\varnothing d_1$  1.6 max 10 max  
 Static Housing Faces  $L_1$  3.2 max 16 max

$\mu\text{inCLA}$   $\mu\text{inRMS}$   
 4 <> 16 5 <> 18  
 63 max 70 max  
 125 max 140 max

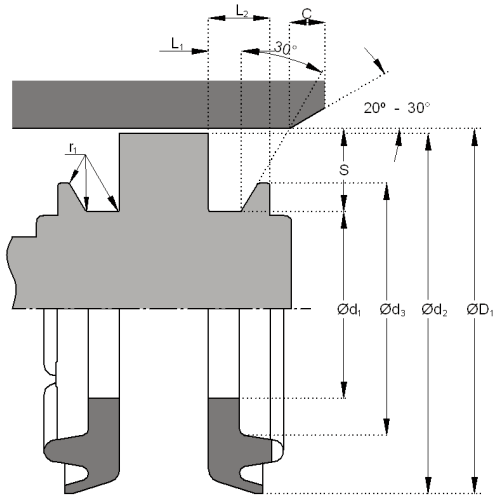
#### Chamfers & Radii

Groove Section  $\leq S$  in 0.500 0.750  
 Min Chamfer C in 0.270 0.315  
 Max Fillet Rad  $r_1$  in 0.016 0.016

#### Tolerances

in  $\varnothing D_1$   $\varnothing d_1$   $\varnothing d_2$   $\varnothing d_3$   $L_1$   $L_2$   
 +0.002-0 +0 -0.005 +0 -0.002 +0 -0.005 +0.005 -0 +/- -0.005

# 667



### 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.

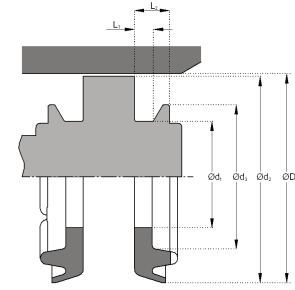
### Features

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



Pneumatic Piston Seals inch

# 667



$\varnothing D_1$ +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

**Seal & Design  
Able Division**

5533 Steeles Avenue West Unit 11  
Toronto, Ontario M9L 1S7  
Ph: (416) 741-0750  
Gasket@AbleSealAndDesign.com

**Seal & Design  
Corporate Headquarters**

4015 Casilio Parkway  
Clarence, NY 14031  
Ph: (716) 759-2222  
Info@SealAndDesign.com  
[www.SealAndDesign.com](http://www.SealAndDesign.com)

**Seal & Design  
Higbee Division**

6741 Thompson Rd N  
Syracuse, NY 13221  
Ph: (315) 432-8021  
Sales@Higbee-Inc.com