



## Category

- Seal, Single Acting Piston

## Construction

- Hythane asymmetric twin lip piston U-ring with knifed sealing lips

## Housing

- Rectangular groove in one piece piston

## Duty

- Medium

## Features

- Manufactured from industry leading Hythane polymer
- Second sealing lip

## Comments

- Twin lip single acting piston seal
- Single acting piston applications only

## Manufacturer

- Hallite

## Size Range

- Imperial

## Metric Specifications

Operating Conditions	Maximum Speed:	1.0 m/sec
	Temperature Range:	-45°C ~ 110°C
	Maximum Pressure:	400 bar

Surface Finish	Dynamic Sealing Face:	0.1 ~ 0.4 µmRa
	Static Sealing Face:	1.6 µmRa max
	Other Faces:	3.2 µmRa max

Extrusion Gap (Diametral)			
Pressure (bar)	160	250	400
Maximum gap (mm)	0.60	0.50	0.40

Chamfers	
Minimum $Z = C \times 0.85$	where $C = (\varnothing D - \varnothing d) \div 2$

## Imperial Specifications

Operating Conditions	Maximum Speed:	3.0 ft/sec
	Temperature Range:	-50°F ~ 230°F
	Maximum Pressure:	6000 psi

Surface Finish	Dynamic Sealing Face:	4 ~ 16 µinCLA
	Static Sealing Face:	63 µinCLA max
	Other Faces:	125 µinCLA max

Extrusion Gap (Diametral)			
Pressure (psi)	2400	3750	6000
Maximum gap (in)	0.024	0.020	0.016

Chamfers	
Minimum $Z = C \times 0.85$	where $C = (\varnothing D - \varnothing d) \div 2$

## Imperial Sizes

Part No.	ØD	Ød	H	h
<i>Tolerances</i>	<i>H9</i>	<i>js11</i>	<i>+0.015 -0</i>	
18701625-250-659	2.000	1.625	0.275	0.250
18702125-250-659	2.500	2.125	0.275	0.250
18702625-250-659	3.000	2.625	0.275	0.250
18703125-250-659	3.500	3.125	0.275	0.250
18703625-250-659	4.000	3.625	0.275	0.250
37503500-562-659	4.250	3.500	0.619	0.562