

- Category**
- Seal, Double Acting Piston
- Construction**
- Polyester sealing ring with rectangular lathe cut NBR energiser
- Housing**
- Rectangular groove in one piece piston
- Duty**
- Medium
- Features**
- Compact design
 - Low friction
 - Polyester sealing ring requires less force to fit than PTFE and resizes faster
- Comments**
- A practical alternative to PTFE seals
- Manufacturer**
- Hallite
- Size Range**
- US imperial

Metric Specifications

Operating Conditions

Maximum Speed:	1.0 m/sec
Temperature Range:	-40°C ~ 110°C
Maximum Pressure:	350 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)	100	160	250	350
Maximum gap, (C > 7mm)	0.80	0.60	0.50	0.25
Maximum gap, (C < 7mm)	0.60	0.50	0.40	0.15

Chamfer

Minimum Z = C x 0.50	where C = (ØD - Ød) ÷ 2
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Imperial Specifications

Operating Conditions

Maximum Speed:	3.0 ft/sec
Temperature Range:	-40°F ~ 230°F
Maximum Pressure:	5000 psi

Surface Finish

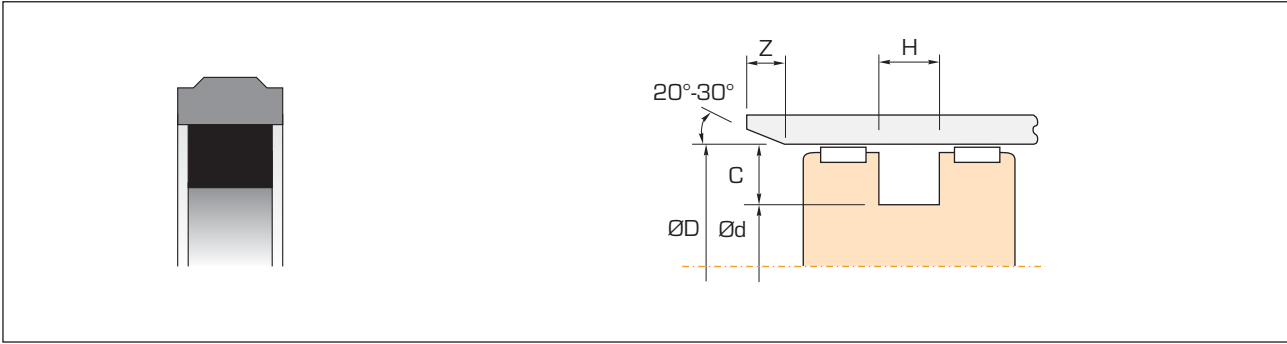
Dynamic Sealing Face:	4 ~ 16 µinCLA
Static Sealing Face:	63 µinCLA max
Other Faces:	125 µinCLA max

Extrusion Gap (Diametral)

Pressure (psi)	1500	2400	3750	5000
Maximum gap, (C > 0.27")	0.030	0.025	0.020	0.010
Maximum gap, (C < 0.27")	0.025	0.020	0.015	0.005

Chamfer

Minimum Z = C x 0.50	where C = (ØD - Ød) ÷ 2
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Imperial Sizes

Part No.	ØD	Ød	H
<i>Tolerances</i>	<i>H9</i>	<i>js10</i>	<i>+0.008 -0</i>
755-1000	1.000	0.691	0.129
755-1250	1.250	0.941	0.129
755-1500	1.500	1.191	0.129
755-1750	1.750	1.441	0.129
755-2000	2.000	1.691	0.129
755-2250	2.250	1.941	0.129
755-2500	2.500	2.191	0.129
755-2750	2.750	2.441	0.129
755-3000	3.000	2.462	0.283
755-3250	3.250	2.712	0.283
755-3500	3.500	2.962	0.283
755-3750	3.750	3.212	0.283
755-4000	4.000	3.462	0.283
755-4250	4.250	3.712	0.283
755-4500	4.500	3.962	0.283
755-4750	4.750	4.212	0.283
755-5000	5.000	4.462	0.283
755-5250	5.250	4.504	0.378
755-5500	5.500	4.754	0.378
755-6000	6.000	5.254	0.378
755-6250	6.250	5.504	0.378
755-6500	6.500	5.754	0.378
755-7000	7.000	6.254	0.378
755-7250	7.250	6.504	0.378
755-7500	7.500	6.754	0.378
755-8000	8.000	7.254	0.378
755-8500	8.500	7.754	0.038
755-9000	9.000	8.137	0.378
755-9500	9.500	8.637	0.378
755-10000	10.000	9.137	0.378