



**Category**

- Seal, Double Acting Piston

**Construction**

- Central NBR rubber sealing element with two polymer back up washers and nylon wear rings.

**Housing**

- Stepped groove in one piece piston

**Duty**

- Medium

**Features**

- One piece piston
- Wear rings eliminate metal to metal contact

**Comments**

- Fits common Australian grooves

**Size Range**

- Australian imperial

**Options**

- Also available without wear rings

**Metric Specifications**

**Operating Conditions**

Maximum Speed:	0.5 m/sec
Temperature Range:	-30°C ~ 100°C
Maximum Pressure:	250 bar

**Surface Finish**

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

**Chamfers**

Minimum Z = C x 0.70	where C = (ØD - Ød) ÷ 2
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**Imperial Specifications**

**Operating Conditions**

Maximum Speed:	1.5 ft/sec
Temperature Range:	-22°F ~ 212°F
Maximum Pressure:	3500 psi

**Surface Finish**

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

**Chamfers**

Minimum Z = C x 0.70	where C = (ØD - Ød) ÷ 2
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### Imperial Sizes

Part No.	ØD	Ød	H	ØW	L	ØE
<i>Tolerances</i>	<i>H9</i>	<i>h9</i>	<i>+0.005</i> <i>-0</i>	<i>+0</i> <i>-0.002</i>	<i>+0.005</i> <i>-0</i>	<i>+0</i> <i>-0.010</i>
JS150W	1.500	1.125	0.452	1.312	0.375	1.440
JS162W	1.625	1.250	0.452	1.437	0.375	1.565
JS187W	1.875	1.500	0.452	1.687	0.375	1.815
JS200W	2.000	1.500	0.587	1.812	0.375	1.940

### Imperial Sizes (cont'd)

Part No.	ØD	Ød	H	ØW	L	ØE
JS225W	2.250	1.750	0.587	2.062	0.375	2.190
JS250W	2.500	2.000	0.587	2.312	0.375	2.440
JS275W	2.750	2.250	0.587	2.560	0.375	2.690
JS300W	3.000	2.500	0.587	2.810	0.375	2.940
JS350W	3.500	3.000	0.587	3.310	0.375	3.440
JS400W	4.000	3.250	0.780	3.744	0.500	3.920