

O-Ring Selector

Region: North America

Unit: inch

Service Conditions & Defining Attributes

Operating Temperature	Minimum: 73°F Maximum: 73°F
Polymer Group	Choose
Seal Hardness	Choose SHA
Compound	

O-ring Size Code

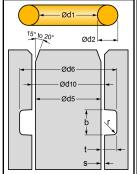
Hardware Configuration

Sealing Case	Radial - Rod Seal
Application	Static

Thermal Expansion & Volume Swelling

Seal	Group default	× 10 ⁻⁶ / K
Rod	Inactive	$0 \times 10^{-6} / K$
Bore / Groove	Inactive	$0 \times 10^{-6} / K$
Seal max. volume swell		0%

Sizing Selection



Back-up Rings			Amount: 0		Width: inch		
O-ring Size Code		2-132					
OR		Nominal	Tolerance	Limit	Min	Max	
ød1	Inner diameter	1.737	AS 568 ±	0.015	1.722	1.752	inch
ød2	Cross section	0.103	AS 568 ±	0.003	0.100	0.106	inch
Groove		Nominal	Lower	Upper	Min	Max	
ød6	Groove	1.9120	-0.0020	0.0000	1.9100	1.9120	inch
ød10	Bore	1.7520	0.0000	0.0010	1.7520	1.7530	inch
ød5	Rod	1.7500	-0.0020	0.0000	1.7480	1.7500	inch
b	Width	0.1400	0.0000	0.0050	0.1400	0.1450	inch
r	Radius	0.0100	-0.0040	0.0040	0.0060	0.0140	inch

Recommended 🛕 Warning 🤨 Critical



Results	Recommendation	Concentric		Eccentric		
		Min	Max	Min	Max	
t Depth + gap		0.0800	0.0820	0.0785	0.0845	inch
s gap		0.0010	0.0025		0.0050	inch
Interference of OR outer-ø	03	0.5	2.7			inch
Stretch of OR inner-ø	06	<u>(</u> -0.2)	1 .6			%
Compression of OR ød2	1724	<u> </u>	<u>^</u> 24.5	14.2	2 5.9	%
Gland fill	6090	65.9	80.6			%
Total deformation force						lbf

Notes

Recommendations on application design and material selection are based on available technical data and are offered as suggestions only. Each user should make his own tests to determine the suitability for his own particular use. Parker offers no express or implied warranties concerning the form, fit, or function of a product in any

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