



O-Ring Selector

Region: International

Unit: mm

Service Conditions & Defining Attributes

Operating Temperature	Minimum: 19°C Maximum: 19°C
Polymer Group	Hydrogenated Nitrile (HNBR, HSN)
Seal Hardness	70 SHA
Compound	

O-ring Size Code

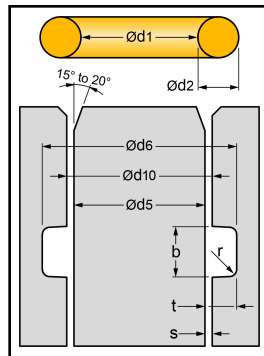
Hardware Configuration

Sealing Case	Radial - Rod Seal
Application	Static

Thermal Expansion & Volume Swelling

Seal	Group default	$110 \times 10^{-6} / K$
Rod	Stainless steel	$17 \times 10^{-6} / K$
Bore / Groove	Stainless steel	$17 \times 10^{-6} / K$
Seal max. volume swell		0 %

Sizing Selection



Back-up Rings			Amount : 0		Width : mm		
O-ring Size Code							
OR		Nominal	Tolerance	Limit	Min	Max	
ød1	Inner diameter	35.000	ISO 3601-1 B ±	0.370	34.630	35.370	mm
ød2	Cross section	2.500	ISO 3601-1 B ±	0.090	2.410	2.590	mm
Groove		Nominal	Lower	Upper	Min	Max	
ød6	Groove						mm
ød10	Bore						mm
ød5	Rod						mm
b	Width						mm
r	Radius						mm

Results

● Recommended ⚠ Warning ❗ Critical

Results	Recommendation	Concentric		Eccentric		
		Min	Max	Min	Max	
t Depth + gap						mm
s gap						mm
Interference of OR outer-Ø	0...3					mm
Stretch of OR inner-Ø	0...6					%
Compression of OR Ød2	13...31					%
Gland fill	60...90					%
Total deformation force		0	0			N

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 application.

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