

## Service Conditions & Defining Attributes

Operating Temperature	Minimum: 0°C    Maximum: 40°C
Polymer Group	Ethylene Propylene Rubber (EPM, EPR, EPDM)
Seal Hardness	70 SHA
Compound	

## O-ring Size Code

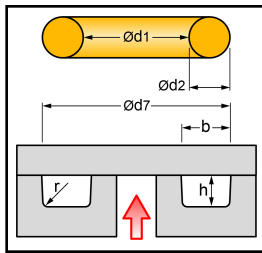
### Hardware Configuration

Sealing Case	Axial - Internal Pressure
Application	Liquid

## Thermal Expansion & Volume Swelling

Seal	Group default	$160 \times 10^{-6} / K$
Groove	ABS	$74 \times 10^{-6} / K$
Seal max. volume swell		5 %

### Sizing Selection



Back-up Rings			Amount : 0		Width : 10 mm		
O-ring Size Code							
OR		Nominal	Tolerance	Limit	Min	Max	
ød1	Inner diameter	8.000	ISO 3601-1 B ±	0.170	7.830	8.170	mm
ød2	Cross section	2.000	ISO 3601-1 B ±	0.080	1.920	2.080	mm
Groove		Nominal	Lower	Upper	Min	Max	
ød7	Outer Diameter	12.200	0.000	0.043	12.200	12.243	mm
b	Width	2.800	0.000	0.200	2.800	3.000	mm
h	Depth	1.600	0.000	0.100	1.600	1.700	mm
r	Radius	0.100	-0.100	0.100	0.000	0.200	mm

## Results

● Recommended
 ⚠ Warning
 ✖ Critical

Results	Recommendation	Min	Max	
Interference of OR outer-ø	0...3	⚠ (-5)	● 1.1	%
Compression of OR ød2	19...32	✖ 11.4	● 23.1	%
Gland fill	60...90		● 87.6	%
Total deformation force		14	52	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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