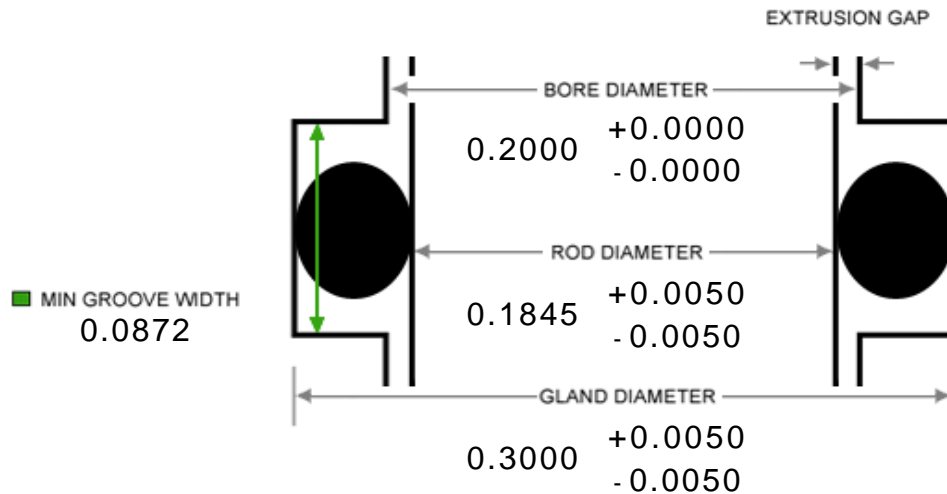


Static Concentric Rod Seal  
Water  
Ref: ARP64100

## Input Values

	Nominal	+ Tolerance	- Tolerance
Gland Diameter	0.3000	0.0050	0.0050
Bore Diameter	0.2000	0.0000	0.0000
Rod Diameter	0.1845	0.0050	0.0050
O-Ring ID	0.176	0.000	0.000
O-Ring CS	0.070	0.000	0.000
Volume Swell	85%		



O-RING INSIDE DIAMETER (ID)  
0.176 +0.000 - 0.000

O-RING CROSS SECTION (C/S)  
0.070 +0.000 - 0.000



## Results\*

### Concentric Condition

	Minimum	Nominal	Maximum
% Compression	10.36	17.5	24.64
Extrusion Gap	0.0053	0.0078	0.0103
% Stretch	1.99	4.83	7.67*
Squeeze	0.0073	0.0123	0.0173

\* Value out of recommended range.

\*Note: The advice given is believed to be accurate and reliable, however, it is the responsibility of the user to determine its safety and suitability. The proposed design should be thoroughly tested for each specific application.

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