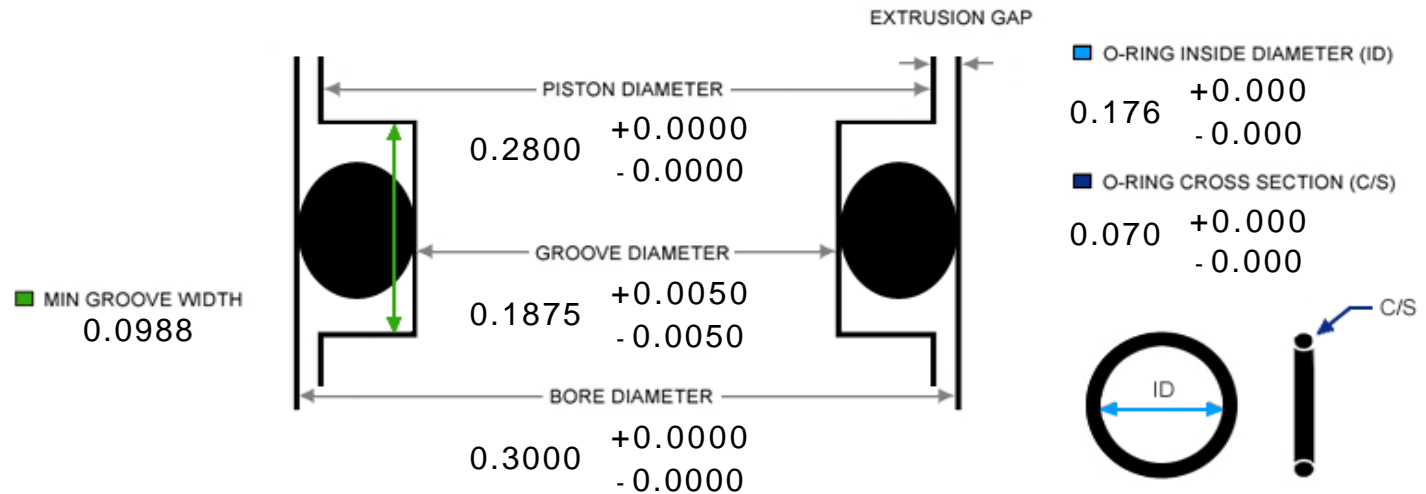


Static Concentric Piston Seal
Water

Ref: ARP111026

Input Values

	Nominal	+ Tolerance	- Tolerance
Bore Diameter	0.3000	0.0000	0.0000
Piston Diameter	0.2800	0.0000	0.0000
Groove Diameter	0.1875	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%		



Results*

Concentric Condition

	Minimum	Nominal	Maximum
% Compression	16.07	19.64	23.21
Extrusion Gap	0.01	0.01	0.01
% Stretch	3.69	6.53*	9.38*
Squeeze	0.0113	0.0138	0.0163

* 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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