

# AXIAL (FACE) SEAL CALCULATION

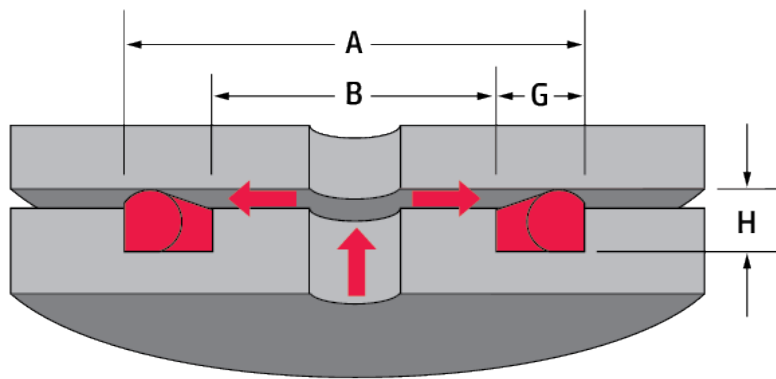


Application: Internal Pressure      Unit: in

	Nominal	+/- Tolerance
O-Ring ID	1.734	0.015
O-Ring C/S	0.139	0.004

Gland (recommended)	Nominal	+ Tolerance	- Tolerance	
Outside Diameter (A)	2.007	0.005	0.000	in
Groove Width (G)	0.210	0.010	0.000	in
Gland Depth (H)	0.107	0.005	0.000	in

Results	Minimum	Nominal	Maximum	
Squeeze	17	23	25	% (10% to 40%)
Squeeze	0.023	0.032	0.036	in
Volume Fill		70	75	% (90% Max)
O-ring OD Interference	-0.023	0.005	0.028	
Inside Diameter (ref) (B)	1.567	1.587	1.59	in



Internal Pressure

A – Outside Diameter    B – Inside Diameter    G – Groove Width    H – Gland Depth

For more information  
1-800-828-7745  
(716) 684-6560  
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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.

This tool is meant to be used as a professional guide only. Because no two situations or installations are the same, these comments, suggestions, and recommendations are necessarily general and should not be relied upon by any purchaser without independent verification based on the particular installation or use. We strongly recommend that the seal you select be rigorously tested in the actual application prior to production use.