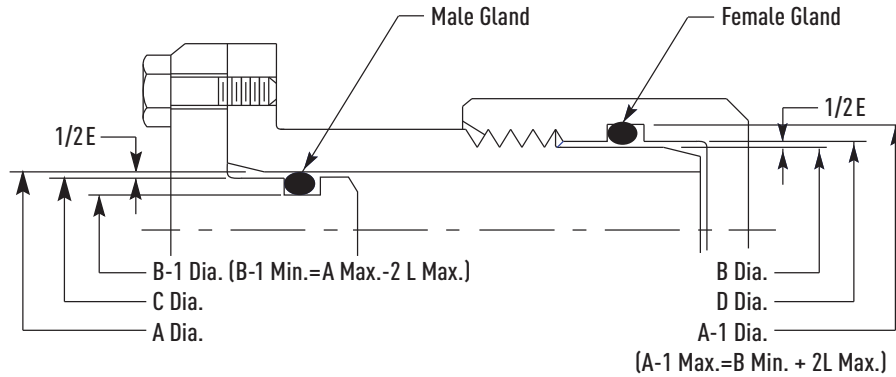
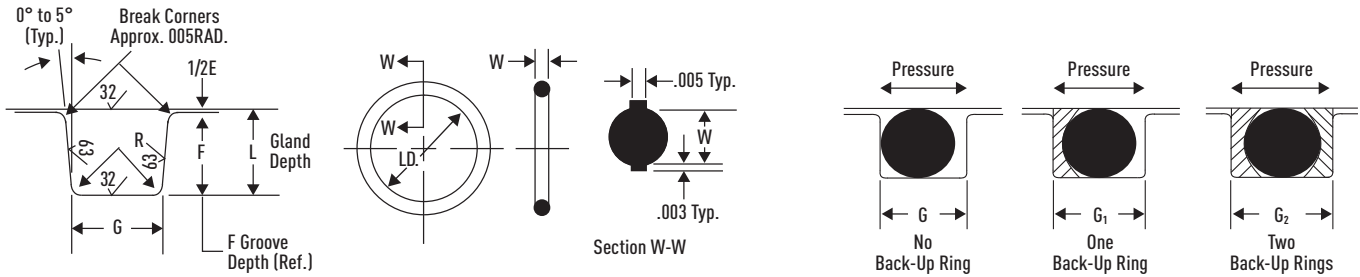


# Static O-Ring Glands



## Gland Detail



Finishes are RMS values

O-Ring AS568-	W Cross Section		L Gland Depth	Squeeze		E(a) Diametral Clearance	G-Groove Width			R Groove Radius	Max Eccentricity (b)
	Nominal	Actual		Actual	%		No Back-Up Ring (G)	One Back-Up Ring (G <sub>1</sub> )	Two Back-Up Ring (G <sub>2</sub> )		
004 through 050	1/16	.070 ± .003	.050 to .052	.015 to .023	22 to 32	.002 to .005	.093 to .098	.138 to .143	.205 to .210	.005 to .015	.002
102 through 178	3/32	.103 ± .003	.081 to .083	.017 to .025	17 to 24	.002 to .005	.140 to .145	.171 to .176	.238 to .243	.005 to .015	.002
201 through 284	1/8	.139 ± .004	.111 to .113	.022 to .032	16 to 23	.003 to .006	.187 to .192	.208 to .213	.275 to .280	.010 to .025	.003
309 through 395	3/16	.210 ± .005	.170 to .173	.032 to .045	15 to 21	.003 to .006	.281 to .286	.311 to .316	.410 to .415	.020 to .035	.004
425 through 475	1/4	.275 ± .006	.226 to .229	.040 to .055	15 to 20	.004 to .007	.375 to .380	.408 to .413	.538 to .543	.020 to .035	.005

(a) Clearance (extrusion gap) must be held to a minimum consistent with design requirements for temperature range variation.

(b) Total indicator reading between groove and adjacent bearing surface.

(c) Reduce maximum diametral clearance 50% when using silicone or fluorosilicone O-Rings.

(d) For ease of assembly, when Back-Ups are used, gland depth may be increased up to 5%.



sales@highperformanceseals.com • www.highperformanceseals.com

**SEATTLE**  
3902 W. Valley Hwy N., Suite 200  
Auburn, WA 98001  
253.218.0123 PHONE  
877.796.0123 TOLL FREE  
253.218.0121 FAX

**MINNEAPOLIS**  
12121 Nicollet Avenue S.  
Burnsville, MN 55337  
952.835.1700 PHONE  
866.783.8883 TOLL FREE  
952.835.1701 FAX

**CHICAGO**  
2700 S. River Road, Suite 116  
Des Plaines, IL 60018  
847.675.1444 PHONE  
800.423.9272 TOLL FREE  
847.675.8889 FAX