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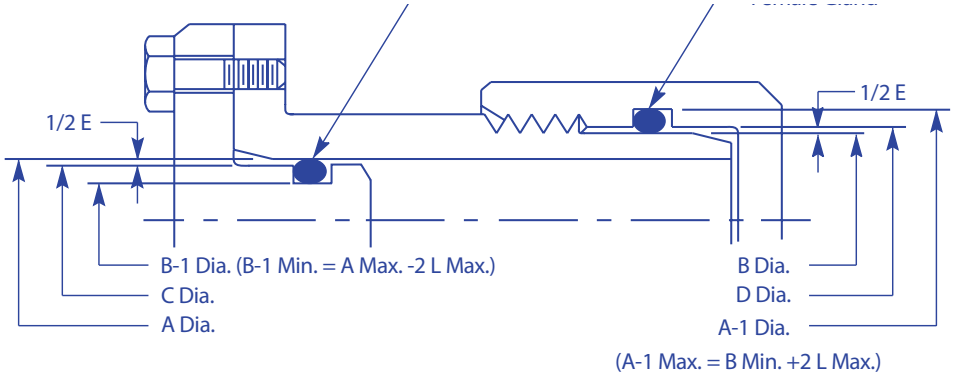
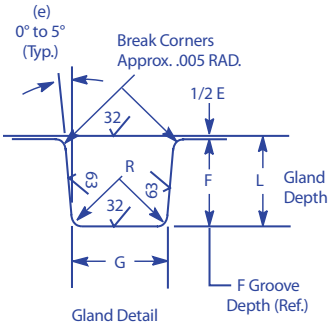
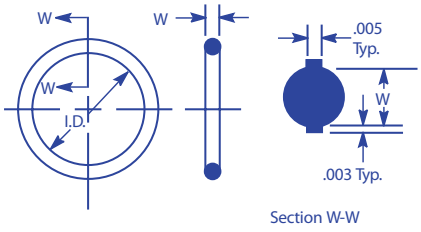
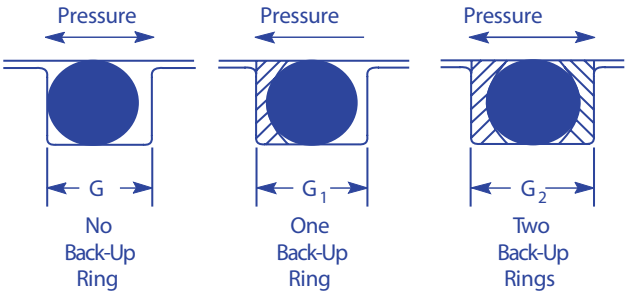
Static O-Ring Glands









Finishes are RMS values.

Refer to Design Chart 4-1 (below) and Design Table 4 -1 for dimensions

O-Ring 2-Size AS568A-	W Cross Section		L Gland Depth	Squeeze		E(a) Diametral Clearance	G-GrooveWidth			R Groove Radius	Max. Eccentricity (b)
	Nominal	Actual		Actual	%		No Back-Up Ring(G)	One Back-Up Ring(G_1)	Two Back-Up Rings(G_2)		
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%.