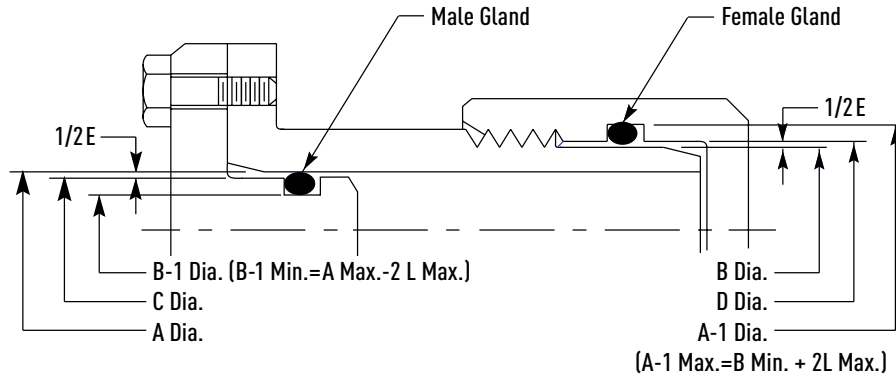
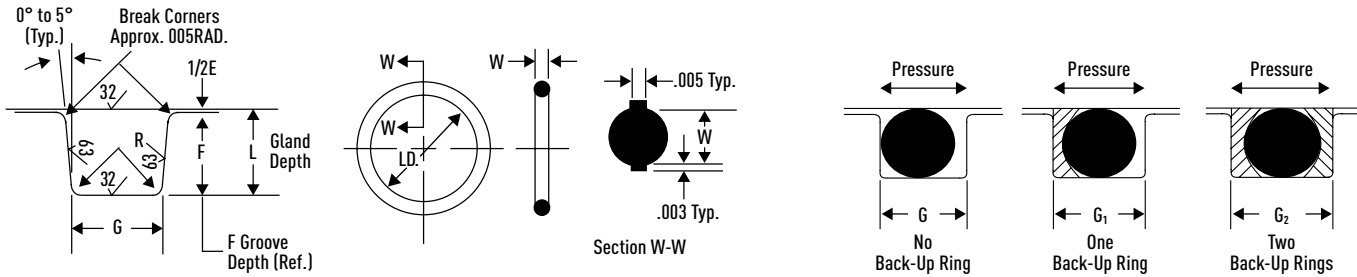


Static O-Ring Glands



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 Radium	Max Eccentricity (b)
	Nominal	Actual		Actual	%		No Back-Up Ring (G)	One Back-Up Ring (G ₁)	Two Back-Up Ring (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%.



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