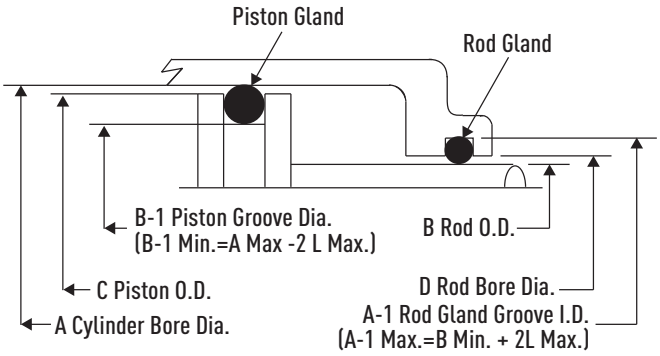
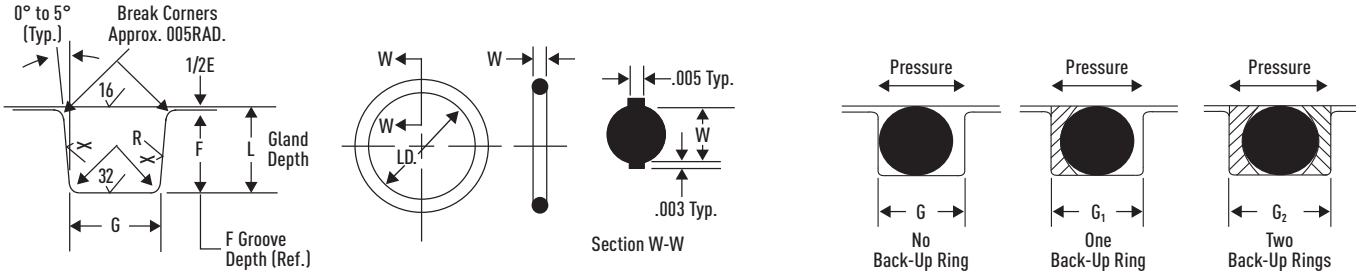
Dynamic O-Ring Glands



Gland Detail



Surface Finish X:
32 Without Back-up Ring
63 With Back-Up Ring

Finishes are RMS values

O-Rig 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)		
006 through 012	1/16	.070 ± 003	.055 to .057	.010 to .018	15 to 25	.002 to .005	.093 to .098	.138 to .143	.205 to .210	.005 to .015	.002
104 through 116	3/32	.103 ± 003	.088 to .090	.010 to .018	10 to 17	.002 to .005	.140 to .145	.171 to .176	.238 to .243	.005 to .015	.002
201 through 222	1/8	.139 ± 004	.121 to .123	.012 to .022	9 to 16	.003 to .006	.187 to .192	.208 to .213	.275 to .280	.010 to .025	.003
309 through 349	3/16	.210 ± 005	.185 to .188	.017 to .030	8 to 14	.003 to .006	.281 to .286	.311 to .316	.410 to .415	.020 to .035	.004
425 through 460	1/4	.275 ± 006	.237 to .240	.029 to .044	11 to 16	.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.

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