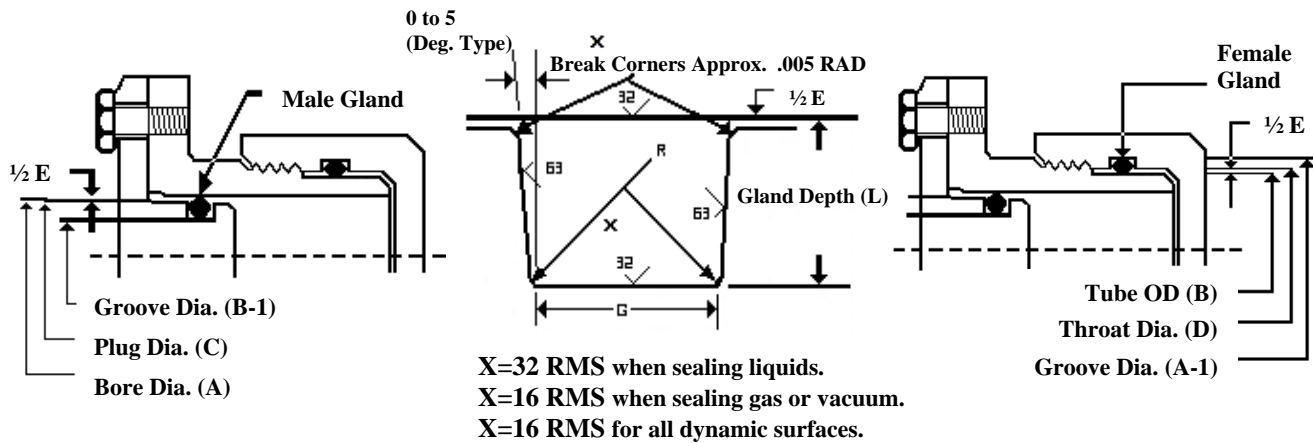


# Static Seal Gland Design Chart



## Static Gland - Male

## Static Gland – Female

O-ring Size No.	W Cross Section		L Gland Depth	Squeeze		E (a, c) Diametral Clearance	G Groove Width	R Groove Radius	Eccentricity Max. (b)
	Nominal	Actual		Actual	%				
-004 to -050	1/16	0.070 ± .003	0.050 to 0.052	0.015 to 0.023	22 to 32	0.002 to 0.005	0.093 to 0.098	0.005 to 0.015	0.002
-102 to -178	3/32	0.103 ± .003	0.081 to 0.083	0.017 to 0.025	17 to 24	0.002 to 0.005	0.140 to 0.145	0.005 to 0.015	0.002
-201 to -284	1/8	0.139 ± .004	0.111 to 0.113	0.222 to 0.032	16 to 23	0.003 to 0.006	0.187 to 0.192	0.010 to 0.025	0.003
-309 to -395	3/16	0.210 ± .005	0.170 to 0.173	0.032 to 0.045	15 to 21	0.003 to 0.006	0.281 to 0.286	0.020 to 0.035	0.004
-425 to -475	1/4	0.275 ± .006	0.226 to 0.229	0.040 to 0.055	15 to 20	0.004 to 0.007	0.375 to 0.38	0.020 to 0.035	0.005

(a) Clearance 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.

