

Gland Dimensions

Face Seal Glands



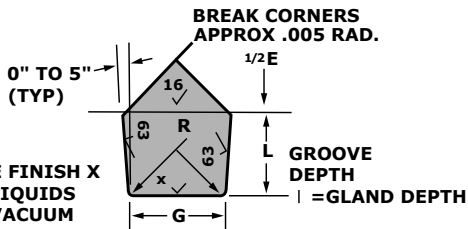
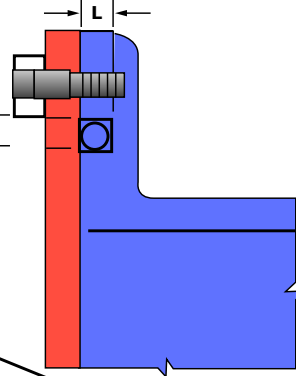
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FOR INTERNAL PRESSURE
(outward pressure direction)
dimension the groove by its
outside diameter: H, l and width:

H_o - Mean O.D. of O-ring
Tolerance - Minus 1% of Mean
□ O.D. but not more than
□ -.060

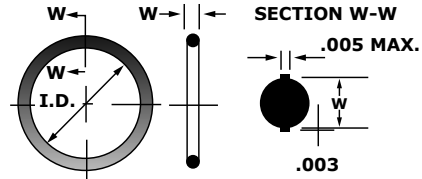
FOR EXTERNAL PRESSURE
(inward pressure direction)
dimension the groove by its
inside diameter: H, l and width:

H_i - Mean I.D. of O-ring
Tolerance - Plus 1% of Mean
□ I.D. but not more than
□ +.060



SURFACE FINISH X
32 FOR LIQUIDS
16 FOR VACUUM
AND GASES

GLAND DETAIL



DESIGN TABLE

FOR O-RING FACE SEAL GLANDS

These dimensions are intended primarily for face type seals and low temperature applications.

O-RING SIZE	W		L GLAND DEPTH	SQUEEZE		G		R GROOVE RADIUS
	CROSS SECTION			ACTUAL	%	LIQUIDS	VACUUM AND GASES	
	Nominal	Actual						
004	1/16	.070	.050	.013	19	.101	.083	.005
through 050		±.003	.054	.023	32	.107	.088	.015
102	3/32	.103	.074	.020	20	.136	.118	.005
through 178		±.003	.080	.032	30	.142	.123	.015
201	1/8	.139	.101	.028	20	.177	.157	.010
through 284		±.004	.107	.042	30	.187	.163	.025
309	3/16	.210	.152	.043	21	.270	.236	.020
through 395		±.005	.162	.063	30	.290	.241	.035
425	1/4	.275	.201	.058	21	.342	.305	.020
through 475		±.006	.211	.080	29	.362	.310	.035
Special	3/8	.375	.276	.082	22	.475	.419	.030
		±.007	.286	.108	28	.485	.424	.045
Special	1/2	.500	.370	.112	22	.638	.560	.030
		±.008	.380	.138	27	.645	.565	.045