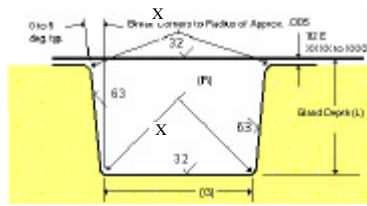
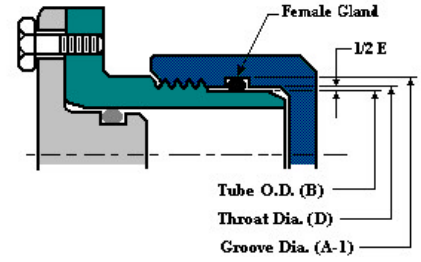


Static / Dynamic Gland - Male



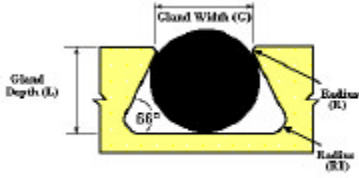
X = 32 rms when sealing liquids.
 X = 16 rms when sealing gas or vacuum
 X = 16 rms for all dynamic surfaces



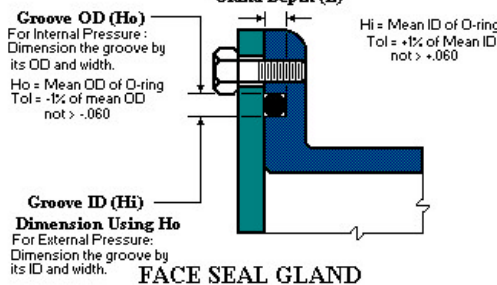
Static / Dynamic Gland - Female

O-Ring Size No.	Cross Section (W)		Static Depth (L)	Dynamic Depth (L)	Diam. Clear. (E)	Groove Width (G)			Groove Rad (R)
	Nom	Actual				No Parbak	1 Parbak	2 Parbaks	
2-004			.050	.055	.002	.093	.138	.205	.005
to	1/16	.070	to	to	to	to	to	to	to
2-050		±.003	.052	.057	.005	.098	.143	.210	.015
2-102			.081	.088	.002	.140	.171	.238	.005
to	3/32	.103	to	to	to	to	to	to	to
2-178		±.003	.083	.090	.005	.145	.176	.243	.015
2-201			.111	.121	.003	.187	.208	.275	.010
to	1/8	.139	to	to	to	to	to	to	to
2-284		±.004	.113	.123	.006	.192	.213	.280	.025
2-309			.170	.185	.003	.281	.311	.410	.020
to	3/16	.210	to	to	to	to	to	to	to
2-395		±.005	.173	.188	.006	.286	.316	.415	.035
2-425			.226	.237	.004	.375	.408	.538	.020
to	1/4	.275	to	to	to	to	to	to	to
2-475		±.006	.229	.240	.007	.380	.413	.543	.035

For dovetail grooves, match the centerline of the groove with the centerline of the O-Ring. Gland width is to sharp edge of groove.



DOVETAIL GROOVE DETAIL



FACE SEAL GLAND

Side wall angle is to allow for releasing of molded parts. Side walls of machined parts should be vertical.



FACE SEAL GROOVE DETAIL

O-Ring Size No.	Cross Section (W)		Depth (L)	Liquid			Dovetail Grooves			
	Nom	Actual		Width (G)	Gas / Vac Width (G)	Radius (R)	Depth (L)	Width (G)	R	R1
2-004			.050	.101	.084	.005	.050	.055	.005	1/64
to	1/16	.070	to	to	to	to	to	to	to	to
2-050		±.003	.054	.107	.089	.015	.052	.059		
2-102			.074	.136	.120	.005	.081	.083		
to	3/32	.103	to	to	to	to	to	.010	1/64	
2-178		±.003	.080	.142	.125	.015	.083	.087		
2-201			.101	.177	.158	.010	.111	.113		
to	1/8	.139	to	to	to	to	to	.010	1/32	
2-284		±.004	.107	.187	.164	.025	.113	.117		
2-309			.152	.270	.239	.020	.171	.171		
to	3/16	.210	to	to	to	to	to	.015	1/32	
2-395		±.005	.162	.290	.244	.035	.173	.175		
2-425			.201	.342	.309	.020	.231	.231		
to	1/4	.275	to	to	to	to	to	.015	1/16	
2-475		±.006	.211	.362	.314	.035	.234	.235		

Recommendations on application design and material selection are based on available technical data and are offered as suggestions only. Each user should make his own tests to determine the suitability for his own particular use. Parker offers no express or implied warranties concerning the form, fit, or function of a product in any application.