

O Ring Groove Design Chart

Cross-Section		Gland Depth	Squeeze		Diametral Clearance	G-Groove Width			Groove Radius
			Actual	%		No Backup Ring (G)	One Backup Ring (G1)	Two Backup Rings (G2)	
Normal	Actual								
1/16	.070	.050	.015	22	.002	.093	.138	.205	.005
	+.003	to	to	to	to	to	to	To	to
		.052	.023	32	.005	.098	.143	.210	.015
3/32	.103	.081	.017	17	.002	.140	.171	.238	.005
	+.003	to	to	to	to	To	To	To	To
		.083	.025	24	.005	.145	.176	.243	.015
1/8	.139	.111	.022	16	.003	.187	.208	.275	.010
	+.004	to	to	to	to	To	To	To	To
		.113	.032	23	.006	.192	.213	.280	.025
3/16	.210	.170	.032	15	.003	.281	.311	.410	.020
	+.005	to	to	to	to	To	To	To	To
		.173	.045	21	.006	.286	.316	.415	.035
1/4	.275	.226	.040	15	.004	.375	.408	.538	.020
	+.006	to	to	to	to	To	To	to	To
		.229	.055	20	.007	.380	.413	.543	.035