



GLAND DESIGN GUIDE

"Your Seal of Confidence"

O'RING APPLICATION		O'RINGS CROSS SECTION												
		INCHES				MILLIMETERS								
		0.103	0.139	0.210	0.275	1.78	2.62	3.53	5.33	6.99				
STATIC SEALING														
A	GLAND DEPTH	0.077	0.109	0.168	0.222	1.22	1.96	2.77	4.27	5.64				
		0.083	0.115	0.176	0.232	1.37	2.11	2.92	4.47	5.89				
B	GROVE WIDTH	0.140	0.180	0.280	0.370	2.29	3.56	4.57	7.11	9.40				
		0.150	0.190	0.290	0.380	2.54	3.81	4.83	7.37	9.65				
C	DIAMETRAL CLEARANCE(MAX.)	0.008	0.010	0.012	0.012	0.15	0.20	0.25	0.31	0.31				
R	GROOVE RADIUS(MAX.)	0.020	0.025	0.035	0.050	0.38	0.51	0.64	0.89	1.27				
DYNAMIC SEALING														
A	GLAND DEPTH	0.088	0.120	0.184	0.234	1.40	2.24	3.05	4.67	5.94				
		0.090	0.124	0.188	0.240	1.45	2.29	3.15	4.76	6.10				
B	GROVE WIDTH	0.140	0.180	0.280	0.370	2.29	3.56	4.57	7.11	9.40				
		0.150	0.190	0.290	0.380	2.54	3.81	4.83	7.37	9.65				
C	DIAMETRAL CLEARANCE(MAX.)	0.006	0.007	0.008	0.008	0.13	0.15	0.18	0.20	0.20				
R	GROOVE RADIUS(MAX.)	0.020	0.025	0.035	0.050	0.38	0.51	0.64	0.89	1.27				

O'Ring major diameter may be stretched or slightly compressed as required to permit use of closest standard (AS 568) size. This usually facilitates installation as well.

Dimensions above are suitable for pressure to 1500 psi (10.4 Mpa). Higher pressure is feasible by reducing clearance ©, increasing O'Ring hardness, or utilizing anti-extrusion device. Dynamic recommendations are intended for reciprocating and oscillating service, but apply for rotary motion where surface speed does not exceed 180 feet/minute (.92 m/s).

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