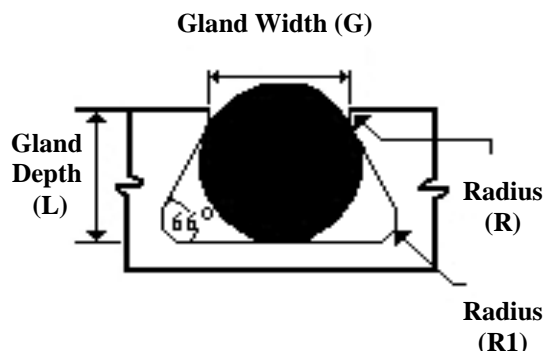


Dovetail Groove Design Charts

Cross Sectional Dimensions

Full Dovetail Groove Detail

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



AS568A Series	O-Ring Cross Section		Gland Width	Squeeze	Gland Depth	Gland Corner Radii	
	Actual	Tol +/-	(G)	%	(L)	(R)	(R1)
-004 To -050	0.070	0.003	.057 To .061	23	.053 To .055	0.005	1/64
-102 To -178	0.103	0.003	.083 To .087	21	.081 To .083	0.010	1/64
-201 To -284	0.139	0.004	.113 To .117	20	.111 To .113	0.010	1/32
-309 To -395	0.210	0.005	.171 To .175	18	.171 To .173	0.015	1/32
-425 To -475	0.275	0.006	.231 To .235	16	.231 To .234	0.015	1/16

AS568A Series	O-Ring Cross Section		Gland Width	Squeeze	Gland Depth	Gland Corner Radii	
	Actual	Tol +/-	(G)	%	(L)	(R)	(R1)
-004 To -050	0.070	0.003	.064 To .066	23	.053 To .055	0.005	1/64
-102 To -178	0.103	0.003	.095 To .097	19	.083 To .085	0.010	1/64
-201 To -284	0.139	0.004	.124 To .128	18	.113 To .115	0.010	1/32
-309 To -395	0.210	0.005	.190 To .193	17	.173 To .176	0.015	1/32
-425 To -475	0.275	0.006	.255 To .257	15	.234 To .238	0.015	1/16

Half Dovetail Groove Detail

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

