

STANDARD IMPERIAL O-RING GROOVE DIMENSIONS

For Internal Pressure
(outward pressure direction)
dimension the groove by its
outside diameter (H_o) and width:

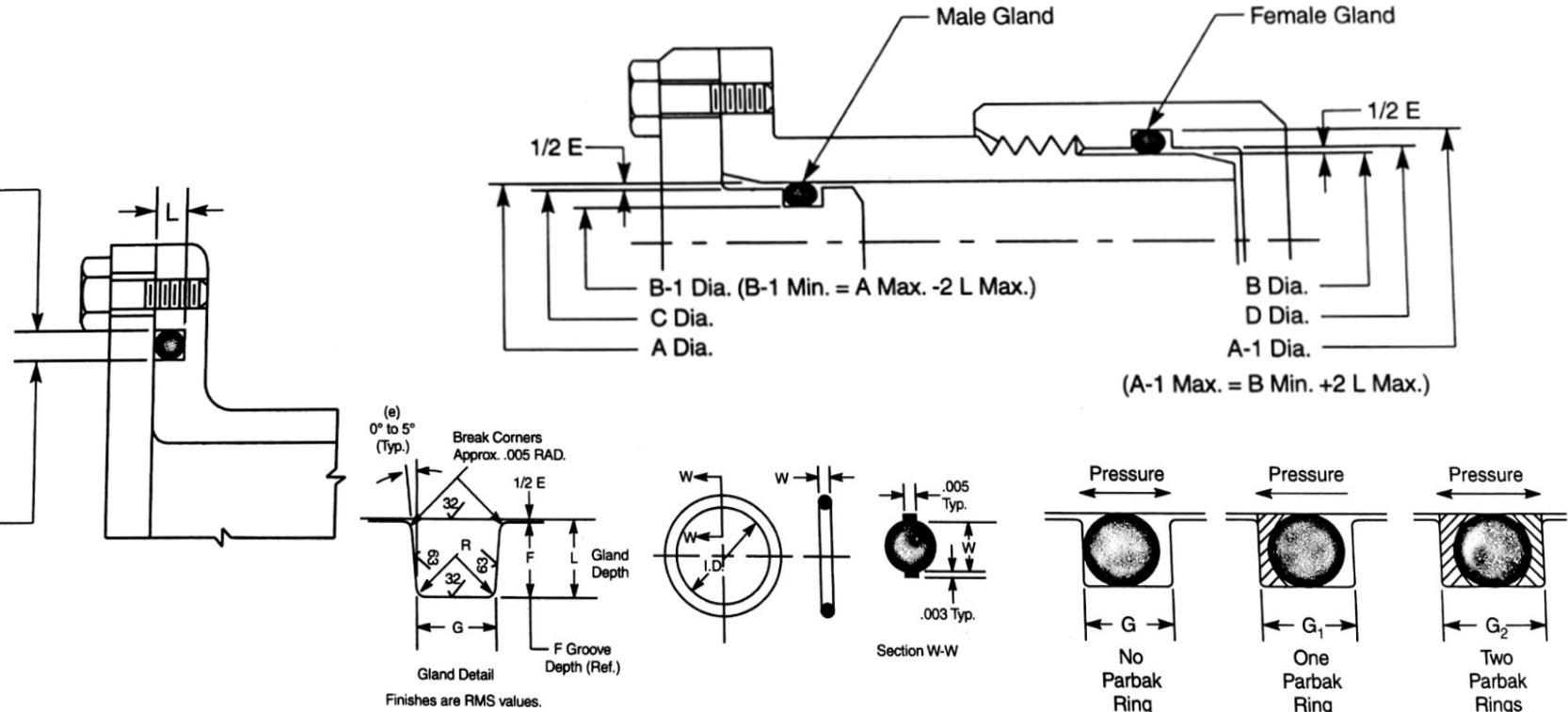
(H_o) = Mean O.D. of O-ring
(see Table 4-1)

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_i) and width:

(H_i) = Mean I.D. of O-ring
(see Table 4-1)

Tolerance = Plus 1% of Mean
I.D., but not more than
+.060



			O-Ring Cross Section				
			1/16	3/32	1/8	3/16	1/4
Groove Dimensions	Diameter	Static Gland Depth	.050" - .052"	.081" - .083"	.111" - .113"	.170" - .173"	.226" - .229"
		Dynamic Gland Depth	.055" - .057"	.088" - .090"	.121" - .123"	.185" - .188"	.237" - .240"
		Clearance on Diameter	.002" - .005"	.002" - .005"	.003" - .006"	.003" - .006"	.004" - .007"
		Groove Width (no back up)	.093" - .098"	.140" - .145"	.187" - .192"	.281" - .286"	.375" - .380"
		Groove Width (no back up)	.138" - .143"	.171" - .176"	.208" - .213"	.311" - .316"	.408" - .413"
		Groove Width (no back up)	.205" - .210"	.238" - .243"	.275" - .280"	.410" - .415"	.538" - .543"
Face	Face	Groove Depth	.050" - .054"	.074" - .080"	.101" - .107"	.152" - .162"	.201" - .211"
		Groove Width	.101" - .107"	.136" - .142"	.177" - .187"	.270" - .290"	.342" - .362"