



Mobile inPHorm Design Analysis

Gland Design - Radial Static

Series: 2-0XX (0.070" c/s)
Size: 2-010 (0.239" ID)
Application: Female Static Seal
Unit of Measure: in

2-010 O-Ring Dimensions (in)

	Nominal	+/-tol
Inner Diameter(ID)	0.239	0.005
Cross Section(W)	0.070	0.003

Female Static Seal Suggested Gland Dimensions

	Nominal	+tol	-tol
Groove Diameter:	0.350	0.000	0.002
Groove Width:	0.093	0.005	0.000
Rod Diameter:	0.250	0.000	0.002
Bore Diameter:	0.252	0.001	0.000

Resulting Tolerance Stackups

	Min	Nom	Max	Ideal
Stretch	1.64%	4.60%	6.84%	0-5%
Squeeze	21.27%	26.70%	31.94%	22-32%
Volume Fill	71.01%	85.25%	97.37%	60-90%
Diametral Clearance	0.002	0.002	0.005	> 0

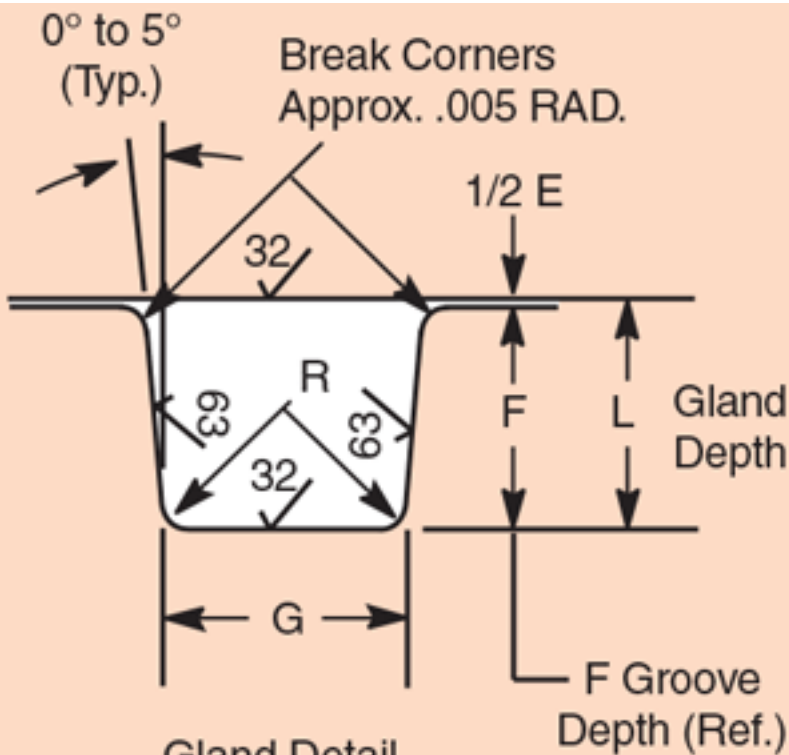
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Note: inPHorm size calculations conform to the standard O-ring sizes per AS 568A as shown in Table B6 of the on-line REFERENCE GUIDE (Parker Catalog ORD5700). The 5 dash series sizes are non-standard and have been created to special tooling specifications. The dimensions may vary due to materials with unusual shrinkage.



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Gland Detail
Finishes are RMS values.

