### Static O-Ring Glands

#### Gland Detail

- **Break Corners (Typ.):** Approx. 0.005 RAD.
- **Typ. Pressure:** 0.005
- **F Groove Depth (Ref.):** Section W-W

#### Dimensions

<table>
<thead>
<tr>
<th>O-Ring AS568-</th>
<th>W Cross Section</th>
<th>L Gland Depth</th>
<th>Squeeze</th>
<th>Ef/1 Diometral Clearance</th>
<th>G-Groove Width</th>
<th>R Groove Radium</th>
<th>Max Eccentricity (b)</th>
</tr>
</thead>
<tbody>
<tr>
<td>004 through 050</td>
<td>1/16, .070 ± .003</td>
<td>.050 to .062</td>
<td>2.0 to 3.2</td>
<td>.002 to .005</td>
<td>.093 to .098</td>
<td>.138 to .143</td>
<td>.205 to .210</td>
</tr>
<tr>
<td>102 through 178</td>
<td>3/32, .103 ± .003</td>
<td>.081 to .083</td>
<td>1.7 to 2.4</td>
<td>.002 to .005</td>
<td>.140 to .145</td>
<td>.171 to .176</td>
<td>.238 to .243</td>
</tr>
<tr>
<td>201 through 284</td>
<td>1/8, .139 ± .004</td>
<td>.111 to .113</td>
<td>1.6 to 2.3</td>
<td>.003 to .006</td>
<td>.187 to .192</td>
<td>.208 to .213</td>
<td>.275 to .280</td>
</tr>
<tr>
<td>309 through 395</td>
<td>3/16, .210 ± .005</td>
<td>.170 to .173</td>
<td>1.5 to 2.1</td>
<td>.003 to .006</td>
<td>.281 to .286</td>
<td>.311 to .316</td>
<td>.410 to .415</td>
</tr>
<tr>
<td>425 through 475</td>
<td>1/4, .275 ± .006</td>
<td>.235 to .239</td>
<td>1.5 to 2.0</td>
<td>.004 to .007</td>
<td>.375 to .380</td>
<td>.408 to .413</td>
<td>.538 to .543</td>
</tr>
</tbody>
</table>

(a) Clearance (extrusion gap) must be held to a minimum consistent with design requirements for temperature range variation.

(b) Total indicator reading between groove and adjacent bearing surface.

(c) Reduce maximum diametral clearance 50% when using silicone or fluorosilicone O-Rings.

(d) For ease of assembly, when Back-Ups are used, gland depth may be increased up to 5%.

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