Dynamic O-Ring Glands

<table>
<thead>
<tr>
<th>O-Ring Diameter Range</th>
<th>Nominal W Cross Section</th>
<th>Actual W Cross Section</th>
<th>L Gland Depth</th>
<th>Squeeze</th>
<th>E/F</th>
<th>G Groove Width</th>
<th>R Rod Gland Groove I.D.</th>
<th>Max Eccentricity (b)</th>
</tr>
</thead>
<tbody>
<tr>
<td>006 through 012</td>
<td>1/16</td>
<td>0.070 ± 0.003</td>
<td>0.055 to 0.057</td>
<td>0.010 to 0.018</td>
<td>15 to 25</td>
<td>0.002 to 0.005</td>
<td>0.92 to 0.98</td>
<td>0.18 to 0.143</td>
</tr>
<tr>
<td>104 through 116</td>
<td>3/32</td>
<td>0.103 ± 0.003</td>
<td>0.088 to 0.090</td>
<td>0.010 to 0.018</td>
<td>10 to 17</td>
<td>0.002 to 0.005</td>
<td>1.36 to 1.46</td>
<td>0.17 to 0.176</td>
</tr>
<tr>
<td>201 through 222</td>
<td>1/8</td>
<td>0.139 ± 0.004</td>
<td>0.121 to 0.123</td>
<td>0.012 to 0.022</td>
<td>9 to 16</td>
<td>0.003 to 0.006</td>
<td>1.87 to 1.92</td>
<td>0.28 to 0.213</td>
</tr>
<tr>
<td>309 through 349</td>
<td>3/16</td>
<td>0.170 ± 0.005</td>
<td>0.165 to 0.188</td>
<td>0.017 to 0.030</td>
<td>8 to 14</td>
<td>0.003 to 0.006</td>
<td>2.14 to 2.18</td>
<td>0.31 to 0.316</td>
</tr>
<tr>
<td>425 through 460</td>
<td>1/4</td>
<td>0.275 ± 0.006</td>
<td>0.237 to 0.240</td>
<td>0.029 to 0.044</td>
<td>11 to 16</td>
<td>0.004 to 0.007</td>
<td>3.75 to 3.80</td>
<td>0.48 to 0.413</td>
</tr>
</tbody>
</table>

Surface Finish X:
32 Without Back-up Ring
63 With Back-Up Ring

Finishes are RMS values

(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.

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