R35-A

Ordering example
Profile
d x D x L [mm] / Pressure side
Sealing material
Rotary seal R35-A
100 x 112 x 4,75 / Internal pressure
ECOPUR

Surface roughness

<table>
<thead>
<tr>
<th>Sliding surface</th>
<th>( R_{\text{max}} )</th>
<th>( R_a )</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤ 2.5</td>
<td>0.1–0.5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bottom of groove</th>
<th>( R_{\text{max}} )</th>
<th>( R_a )</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤ 6.3</td>
<td>≤ 1.6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Groove face</th>
<th>( R_{\text{max}} )</th>
<th>( R_a )</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤ 15</td>
<td>≤ 3</td>
<td></td>
</tr>
</tbody>
</table>

Bearing area: 50–95% and a cutting depth of 0.5 \( R_a \) based on \( C_{\text{cut}} = 0\%

Standard dimensions

<table>
<thead>
<tr>
<th>Corresponding O-ring cord diameter</th>
<th>( C_S )</th>
<th>L</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>( d_2 )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>( \text{AS 568A}^{(1)} )</td>
<td>1.78</td>
<td>2</td>
<td>1.40</td>
</tr>
<tr>
<td>( \text{ISO 3601}^{(2)} )</td>
<td>2.62</td>
<td>3</td>
<td>2.25</td>
</tr>
<tr>
<td></td>
<td>3.53</td>
<td>4</td>
<td>3.10</td>
</tr>
<tr>
<td></td>
<td>5.33</td>
<td>6</td>
<td>4.75</td>
</tr>
<tr>
<td></td>
<td>6.99</td>
<td>8</td>
<td>6.20</td>
</tr>
</tbody>
</table>

1) American standard
2) DIN 3771
Minimum nominal inside diameter \( d \geq 5 \) mm.
Standard definition for this profile is inside pressure.
### Operating parameters

<table>
<thead>
<tr>
<th>Material</th>
<th>Temperature</th>
<th>Speed</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seal</td>
<td>from to</td>
<td>max m/s</td>
<td>bar (MPa)</td>
</tr>
<tr>
<td>ECOPUR</td>
<td>–30 +110</td>
<td></td>
<td>800 (80)</td>
</tr>
<tr>
<td>ECOPUR LD</td>
<td>–35 +110</td>
<td></td>
<td>800 (80)</td>
</tr>
<tr>
<td>G-ECOPUR</td>
<td>–30 +110</td>
<td></td>
<td>800 (80)</td>
</tr>
<tr>
<td>H-ECOPUR</td>
<td>–20 +110</td>
<td></td>
<td>800 (80)</td>
</tr>
<tr>
<td>S-ECOPUR</td>
<td>–20 +110</td>
<td>only recommended for static application</td>
<td>800 (80)</td>
</tr>
<tr>
<td>T-ECOPUR</td>
<td>–50 +110</td>
<td></td>
<td>800 (80)</td>
</tr>
<tr>
<td>SKF Ecorubber-1</td>
<td>–30 +100</td>
<td></td>
<td>250 (25)</td>
</tr>
<tr>
<td>SKF Ecorubber-H</td>
<td>–25 +150</td>
<td></td>
<td>250 (25)</td>
</tr>
<tr>
<td>SKF Ecorubber-2</td>
<td>–20 +200</td>
<td></td>
<td>250 (25)</td>
</tr>
<tr>
<td>SKF Ecorubber-3</td>
<td>–50 +150</td>
<td></td>
<td>250 (25)</td>
</tr>
<tr>
<td>SKF Ecolas</td>
<td>–10 +200</td>
<td></td>
<td>250 (25)</td>
</tr>
<tr>
<td>SKF Ecosil</td>
<td>–60 +200</td>
<td></td>
<td>250 (25)</td>
</tr>
</tbody>
</table>

**IMPORTANT NOTE:** The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.