Forsheda 552 Anger-Lock IPS

Locked-in sealing system for plastic pressure pipes, wastewater conduit and cast iron fittings

SEAL DESIGN AND FUNCTION

The Forsheda 552 Anger-Lock IPS locked-in seal is a combined lip and compression seal which is installed inside the socket after it has been formed. Making the seal an integral part of the pipe eliminates many of the disadvantages of separate sealing rings.

The unique design comprises of a rubber sealing element bonded to the plastic retaining element which holds the seal securely in position during transport and pipe assembly. The seal is designed to absorb any permissible variations in the groove.

SEAL PERFORMANCE

The F-552 Anger-Lock IPS joint meets or exceeds current European and American Standards for pressure, vacuum, deflection and shear load.

The seal design gives low assembly forces making pipe jointing easier. Test reports are available from Trelleborg Pipe Seals on request.

MATERIAL

Synthetic rubber
Hardness 60±5 IRHD / 50± IRHD
Approved in accordance with EN 681-1 and ASTM standard F-477
Ozone resistant
Approved for contact with cold potable water

QUALITY ASSURANCE

CE-marking
BSI (Kitemark)
KIWA/Swedcert
KIWA-ATA
Watermark

STANDARDS

EN 681-1 WC,WA
ASTM - 2241
ASTM - 477
**EXAMPLES OF SIZES (MM)**

<table>
<thead>
<tr>
<th>Dim</th>
<th>ØOD</th>
<th>Tol ±</th>
<th>T</th>
<th>Tol ±</th>
<th>L</th>
<th>Tol ±</th>
</tr>
</thead>
<tbody>
<tr>
<td>2in (60mm)</td>
<td>3.07</td>
<td>0.011</td>
<td>0.40</td>
<td>0.015</td>
<td>0.70</td>
<td>0.03</td>
</tr>
<tr>
<td>3in (90mm)</td>
<td>4.40</td>
<td>0.019</td>
<td>0.50</td>
<td>0.015</td>
<td>0.85</td>
<td>0.03</td>
</tr>
<tr>
<td>4in (100mm)</td>
<td>5.44</td>
<td>0.019</td>
<td>0.55</td>
<td>0.015</td>
<td>0.94</td>
<td>0.02</td>
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<tr>
<td>6in (165mm)</td>
<td>7.60</td>
<td>0.027</td>
<td>0.62</td>
<td>0.015</td>
<td>1.07</td>
<td>0.04</td>
</tr>
<tr>
<td>8in (216mm)</td>
<td>9.68</td>
<td>0.035</td>
<td>0.66</td>
<td>0.019</td>
<td>1.13</td>
<td>0.04</td>
</tr>
<tr>
<td>10in (267mm)</td>
<td>11.91</td>
<td>0.047</td>
<td>0.83</td>
<td>0.019</td>
<td>1.34</td>
<td>0.04</td>
</tr>
<tr>
<td>12in (318mm)</td>
<td>14.09</td>
<td>0.055</td>
<td>0.92</td>
<td>0.019</td>
<td>1.37</td>
<td>0.04</td>
</tr>
</tbody>
</table>

**PIPE ASSEMBLY**

1. Chamfer the spigot end.
2. Clean the socket.
3. Apply lubricant on the spigot before assembly.
4. Slide the spigot into the socket, thus compressing the sealing lip.

**SEAL MARKING AND BOX LABELS**

Each seal is marked with seal dimension and period of manufacture. The box is labelled with corresponding data.

Pipes with F-552 shall always be laid in accordance with applicable standards and regulations.

Please contact Trelleborg Pipe Seals for technical advice and joint design recommendations to meet your performance requirements.

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**Examples of authorities Trelleborg Pipe Seals cooperates with:**

![Brands and Certifications Logos]

[WWW.TRELLEBORG.COM/PIPE-SEALS]