**Forsheda 101 G-Ring**

**Seal for low pressure concrete pipe and manhole systems**

**SEAL DESIGN AND FUNCTION**

Forsheda 101 is a compression seal which is rolled into place during joint assembly.

This joint design is standard in many countries. A drawing is available from Trelleborg Pipe Seals on request.

The Forsheda G-ring is designed primarily for non pressure concrete pipe lines. If the joint is correctly designed it can also be used for pressure pipe lines. The compression of the seal varies according to the joint gap and tolerance chosen.

The teardrop shaped profile provides an effective locking force which prevents the pipes from separating once jointed.

**SEAL PERFORMANCE**

The Forsheda 101 seal meets all relevant current European standards. Joint performance is dependent on dimensional accuracy and surface finish of socket and spigot. Test reports are available from Trelleborg Pipe Seals on request.

**MATERIAL**

- Synthetic SBR or EPDM rubber
- Hardness 40±5 IRHD
- Approved in accordance with EN 681-1
- Protected against ozone
- Oil resistant grades are available on request

**QUALITY ASSURANCE**

- ISO 9001
- British Standard "Kitemark"
- CE-marking
JOINT ASSEMBLY

Ensure both spigot and socket are clean. Stretch the seal onto the spigot with the point of the G-ring facing outward.

Equalize the stress in the seal by lifting and realising at a few points. The seal must sit evenly all around the pipe.

Centre the pipes and assemble by using suitable equipment. The G-ring will roll over and seat itself in the socket.

SEAL MARKING AND BOX LABELS

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

EXAMPLES OF SIZES (MM)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0</td>
<td>12.0</td>
</tr>
<tr>
<td>12.0</td>
<td>14.4</td>
</tr>
<tr>
<td>13.0</td>
<td>15.6</td>
</tr>
<tr>
<td>14.0</td>
<td>16.8</td>
</tr>
<tr>
<td>16.0</td>
<td>19.2</td>
</tr>
<tr>
<td>18.0</td>
<td>21.6</td>
</tr>
<tr>
<td>20.0</td>
<td>24.0</td>
</tr>
<tr>
<td>22.0</td>
<td>26.4</td>
</tr>
<tr>
<td>24.0</td>
<td>28.8</td>
</tr>
<tr>
<td>28.0</td>
<td>33.6</td>
</tr>
</tbody>
</table>

Forsheda 101 is manufactured in a large number of profiles and diameters.

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

Pipes and manholes with Forsheda 101 shall always be laid in accordance with applicable standards and regulations.