**Forsheda 911**

Flexible connection system for pipes to manholes and for passing pipes through concrete walls and structures

**SEAL DESIGN AND FUNCTION**

The hole required can be either prefabricated or drilled with a core bit.

The external ribs (1) are forced against the inside of the hole when the seal is inserted into it. The plastic support ring (2) should be tapped into place with a rubber or plastic mallet. The pipe that is to be connected to the manhole is inserted through the coupling (3), which has three or four collars, for different sizes of pipe. If a larger pipe is to be inserted then the surplus, smaller section of the coupling is cut away using the appropriate recess (5). The coupling is sealed to the pipe by means of a stainless steel clamping band (4). The clamping band that is supplied with the coupling will fit all the pipe sizes that the connector is designed for.

**SEAL PERFORMANCE**

Forsheda 911 meets the requirements of all current relevant European standards.

**MATERIAL**

- Synthetic rubber SBR or EPDM
- Hardness 40±5 IRHD
- Approved in accordance with EN 681-1
- Protected against ozone
- Available in oil resistant material
- Clamping band - stainless steel SS 233

**QUALITY ASSURANCE**

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

**SEAL MARKING AND BOX LABELS**

Each seal is marked with the outside diameter of the connecting pipes and period of manufacture. The box is labelled with corresponding data.
**JOINT ASSEMBLY**

Lubricate the drilled or prefabricated hole using Forsheda 992 Lub.

Place the seal in the hole and tap it into the correct position using a rubber or plastic mallet. Tap the end of the short plastic supporting ring that is fitted in the seal.

Decide which size collar is appropriate for the connecting pipe. Cut away the surplus part of the coupling using a knife. A special recess is provided for this purpose.

Lubricate with a thin coat of Forsheda Lub over the rubber part. Connect the pipe and fit the clamping band in place. Tighten the screw so that the rubber is compressed against the connecting pipe.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Forsheda 911-1B</th>
<th>Forsheda 911-1</th>
<th>Forsheda 911-2</th>
<th>Forsheda 911-2B</th>
<th>Forsheda 911-3</th>
<th>Forsheda 911-3B</th>
<th>Forsheda 911-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe diameter range</td>
<td>24-50</td>
<td>60-100</td>
<td>105-175</td>
<td>105-226</td>
<td>195-285</td>
<td>250-368</td>
<td>286-400</td>
</tr>
<tr>
<td>Article no</td>
<td>1500421</td>
<td>1602823</td>
<td>1562020</td>
<td>1782324</td>
<td>1632223</td>
<td>1993923</td>
<td>1774721</td>
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<tr>
<td>Connect pipe diam. (1)</td>
<td>25 mm 40°</td>
<td>60-70 mm 45°</td>
<td>105-125 mm 45°</td>
<td>105-125 mm 45°</td>
<td>195-226 mm 35°</td>
<td>250-279 mm 40°</td>
<td>286-330 mm 30°</td>
</tr>
<tr>
<td>Max. angular deflection</td>
<td>32 mm 35°</td>
<td>71-84 mm 30°</td>
<td>144-159 mm 30°</td>
<td>144-159 mm 30°</td>
<td>235-275 mm 30°</td>
<td>280-309 mm 30°</td>
<td>331-375 mm 15°</td>
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<tr>
<td>Connect pipe diam. (2)</td>
<td>40 mm 33°</td>
<td>85-100 mm 15°</td>
<td>160-175 mm 15°</td>
<td>160-175 mm 20°</td>
<td>276-285 mm 15°</td>
<td>310-339 mm 20°</td>
<td>376-400 mm 10°</td>
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<tr>
<td>Max. angular deflection</td>
<td>50 mm 30°</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Drill Ø, mm</td>
<td>138 138 138 138</td>
<td>138 138 138 138</td>
<td>250 250 250 250</td>
<td>305 305 305 305</td>
<td>341 341 341 341</td>
<td>426 426 426 426</td>
<td>475 475 475 475</td>
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</tbody>
</table>

Pipe connections with Forsheda 911 shall always be laid in accordance with applicable standards and regulations.