PORTABLE ELBOW BEVELING MACHINE

Overview 2018/19

www.dwt-pipertools.com
The portable elbow beveling machine is an add-on to our pipe beveling machines and is exclusively used for beveling or internal beveling of pipe elbows for production or repairs. Liners hold the machine in place while fitting the elbow to the pipe. Dimension scale on the liners make centering easy. With the standard liners, it is possible to install the mandrel close to the pipe end. With the help of additional liner extension bits, the mandrel can be installed deeper for beveling the inside diameter of the pipe. DWT Elbow Mandrels are designed for beveling pipe elbows. We offer five types each having its own diameter range:

### Elbow Beveling Machine TE43

Elbow mandrel dimension OD: 1.69" (43 mm)

TE43 is the smallest elbow beveling machine that works by replacing the standard MF3i pipe beveling machine sleeve with the mandrel sleeve. All the legs move the same amount when clamping so the adjustment is limited. Special liner is used for positioning the machine straight. Best results achieved when clamped very close to the end of the pipe elbow where the surface is straight.

<table>
<thead>
<tr>
<th>Art. - Nr.</th>
<th>Description</th>
<th>For beveling machine</th>
<th>Clamping range*</th>
<th>Working range*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Elbow Mandrel TE43</td>
<td>MF3i</td>
<td>43 - 106 mm</td>
<td>60.5 - 114 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.7 - 4.2&quot; zoll</td>
<td>2 - 4&quot; NPS</td>
</tr>
</tbody>
</table>

Liners hold the mandrel in place while fitting the elbow to the pipe. Dimension scale on the liners makes centering easy. With the standard liners, it is possible to install the mandrel close to the pipe end. With the help of additional liner extension bits, the mandrel can be installed deeper for beveling the inside diameter of the pipe.
Elbow Beveling Machine TE80, TE120, TE160, TE250

Elbow mandrel dimension ID: 1.85" (47 mm) - 4.92" (125 mm)

The Elbow Beveling Machine works according to the same basic principle; Mandrel is clamped to a pipe elbow via screws on the inner diameter of the mandrel housing. Each extendable leg can be adjusted individually so centering is easily done. Legs have freely rotating heads to protect the inner surface of the pipe from damage when tightening the legs.

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<td></td>
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<td>mm</td>
<td>zoll</td>
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<tr>
<td>RG</td>
<td>Elbow Mandrel TE80</td>
<td>MF3i</td>
<td>102 - 153</td>
<td>4 - 6&quot;</td>
</tr>
<tr>
<td>RG</td>
<td>Elbow Mandrel TE120</td>
<td>MF4i**</td>
<td>124 - 203</td>
<td>4,9 - 8&quot;</td>
</tr>
<tr>
<td>RG</td>
<td>Elbow Mandrel TE160</td>
<td>MF5i**</td>
<td>216 - 310</td>
<td>8,5 - 12&quot;</td>
</tr>
<tr>
<td>RG</td>
<td>Elbow Mandrel TE250</td>
<td>MF5i**</td>
<td>273 - 455</td>
<td>10,7 - 17,9&quot;</td>
</tr>
</tbody>
</table>

Elbow Mandrel-Kit includes

- “Non-damaging” clamping legs for the entire diameter range
- Special jaws for MF4i and MF5i
- Liners for easy setup
- Liner extension bits for deeper setup position for TE160 and TE250
- Required hand tools for installation
- Packing box

* For pipe elbows with dimension A=D or larger
** used with special jaws that are delivered with the mandrel.
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The DWT GmbH head office is in the industrial heart of Germany. The machines are produced by a competent team and are delivered in the whole world.