Flat fan nozzles for pressing into pipes  
Series 612.xxx.5E.03

For pressing into pipes.  
Stable spray pattern.  
Uniform, parabolic distribution of liquid.

Applications:  
Cleaning and rinsing, dish washing.

### Conversion formula for the above series
\[ \dot{V}_2 = \dot{V}_1 \times \sqrt{\frac{p_2}{p_1}} \]

### Flat fan nozzles for pressing into pipes

Material: PVDF  
Weight: 2 g

#### Applications:
- Cleaning and rinsing
- Dish washing

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering no.</th>
<th>A Ø [mm]</th>
<th>E Ø [mm]</th>
<th>( p ) [bar]</th>
<th>( \dot{V} ) [l/min]</th>
<th>( H = 250 \text{ mm} )</th>
<th>( H = 500 \text{ mm} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°</td>
<td>612.366</td>
<td>1.0</td>
<td>0.5</td>
<td>0.30</td>
<td>0.66</td>
<td>505</td>
<td>980</td>
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<tr>
<td></td>
<td>612.466</td>
<td>1.5</td>
<td>0.6</td>
<td>0.31</td>
<td>0.68</td>
<td>525</td>
<td>1020</td>
</tr>
<tr>
<td>120°</td>
<td>612.467</td>
<td>1.5</td>
<td>0.6</td>
<td>0.30</td>
<td>0.68</td>
<td>525</td>
<td>1020</td>
</tr>
<tr>
<td></td>
<td>612.647</td>
<td>2.5</td>
<td>1.2</td>
<td>0.31</td>
<td>0.70</td>
<td>525</td>
<td>1020</td>
</tr>
</tbody>
</table>

A = Equivalent bore diameter  
E = Narrowest free cross section

Further nozzle sizes on request.

**Assembly**

Apply the tube piece here

**Example**

for ordering:  
612.366 + 5E.03 = 612.366.5E.03

**Assembly:**

Drill pipe (Ø 10 mm), ream to Ø 10.5 mm, adjust, put tube (Ø 12.2 mm) on nozzle and drive in with a rubber mallet. Flow velocity in the pipe max. 2–3 m/s.