



## Assembly instructions – Universal connection fitting type UA



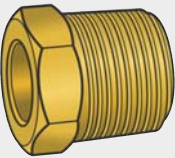
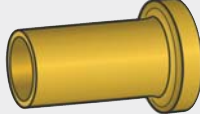
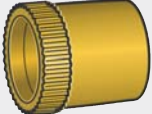
# Assembly instructions - Universal connection fitting type UA



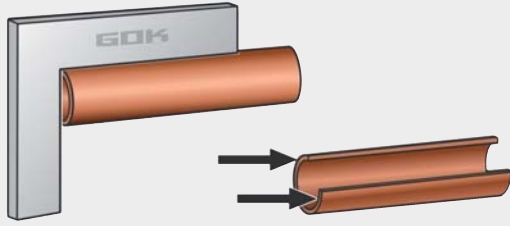
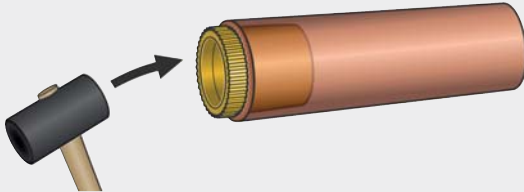
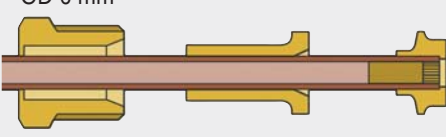
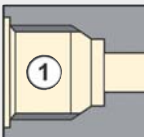
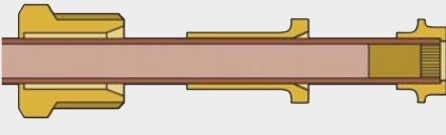
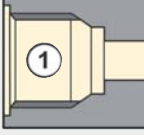
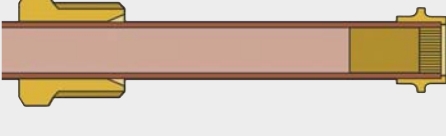
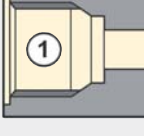
## Universal connection fitting type UA PS 16 bar

Compression fitting, type G according to prEN 12514-4:2009 Annex D. Metal compression fitting to connect a pipe and a GOK fitting with cylindrical female thread G 3/8-UA.

Maximum permitted pressure PS 16 bar. Only use the GOK universal connection fitting as a complete unit.

| Pipe                                                                                                         | Connection fitting type UA                                                        |                                                                                    |                                                                                     |                                                                                                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Copper pipe according to DIN EN 1057, DIN EN 12449, DIN EN 13349<br>Material: CW024 A or other copper alloys | Pressing screw with cylindrical male thread G 3/8 A according to DIN EN ISO 228-1 | Pressure sleeve as spacer ring for OD 6 or 8 mm                                    | Clamping ring with end stop for OD 6, 8 or 10 mm                                    | Reinforcing sleeve made from brass for copper pipes according to the wall thickness of the pipe, e.g. 6 x 1 |
|                             |  |  |  |                          |

OD = Outer diameter of the pipe

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Cut pipe off at a right angle. An angle tolerance of 0.5° is admissible. Do not use a pipe cutter or disc grinder.</p> <p>Lightly deburr the ends of the pipe inside and outside. Maximum permitted chamfer 0.2 x 45°. Clean the pipe.</p> <p>NOTE: Deviations in the shape at the pipe end, such as pipes sawn at an angle or not deburred properly will reduce the life and seal tightness of the connection.</p>                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>For all thin-walled pipes and soft pipe materials:</p> <p>Insert reinforcing sleeve into the pipe up to the knurl edge. Hammer the reinforcing sleeve in fully with a hammer (plastic or rubber). This presses the knurl neck into the inner wall of the pipe and stops the reinforcing sleeve moving around or falling out.</p>                                                                                                                                                                                                                                                                 |
| <p>OD 6 mm</p>   <p>OD 8 mm</p>   <p>OD 10 mm</p>   | <ul style="list-style-type: none"> <li>• Lightly oil the thread of the pressing screw;</li> <li>• Handle the sealing edge of the clamping ring with care (do not damage it).</li> <li>• Push the pressing screw, and if applicable, the pressure sleeve (6 and 8 mm pipes) and the clamping ring on to the pipe with the end stop side facing the end of the pipe;</li> <li>• Tighten the pressing screw by hand until you feel that the fitting tapped hole ①, clamping ring and pressing screw are touching;</li> <li>• Push the pipe against the end stop in the fitting tapped hole.</li> </ul> |

### Final assembly:

Tighten the pressing screw by approx 1 1/2 turns with an open-end spanner, brace the fitting housing on the spanner flat with another open-end spanner.

## Assembly instructions - Universal connection fitting type UA

### Seal tightness:

According to the applicable installation and building specifications for piping it is recommended that the seal tightness of each compression fitting is checked with a test and/or operating medium at the test and/or operation pressure after assembly has been completed, e.g. by means of a foaming medium according to DIN EN 14291.

### **WARNING**

- Fittings and parts of fittings may be dismantled and/or retightened only when the system has been fully depressurised
- Every time the pipe connection is loosened, use a new clamping ring when reassembling it