

## 1. Intended use / product description



**Medium:** Potable water / municipal sewage (acc. to EN1085)

**Max. operating pressure:** Potable water / sewage: 16 bar

**Material:** Body: GJS-400  
Hawle epoxy powder coating  
Gaskets: EPDM acc. to DVGW W 270  
Screws, washers: stainless steel

HAKU pipe saddles with male thread outlet are to be used for installation on PE pipes PE80/100 acc. to DIN 8074/ DIN EN 12201 and PVC pipes acc. to DIN 8062/DIN EN ISO 1452-2. The two saddle halves are exactly calibrated to the respective outside diameter. When connecting the saddle halves, an inadmissible deformation of the pipe is prevented by metal stops.

In combination with the shut-off adaptor (Order No. 372-00) or a sewage water service valve (Ord. No. 480-02) and a pipe drilling device (e.g. Hawle drilling device HAWLOMAT, Order No. 830-00) the main line can be drilled without difficulty, even with the line in service.

For installation, assembly, and maintenance, the applicable standards and regulations, accident prevention regulations, as well as the trade associations' provisions shall be observed and complied with. Installation, assembly, and maintenance shall be performed by skilled personnel only.

## 2. Installation

	Open-ended wrench, torque wrench
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1. The surface of the pipe must be free from dirt, soil, or grease, and the pipe has to be cleaned accordingly.
2. Place the HAKU shut-off saddle at the desired position.
3. Fix the HAKU top and bottom halves by means of the four screws included in the scope of supply, observing following torques:

M10:	max. torque	50 Nm
M12:	max. torque	70 Nm
M14:	max. torque	80 Nm
M16:	max. torque	90 Nm

### Standard installation:

Tighten the hexagon head screws evenly and crosswise until the two parts get in contact and the maximum torque is reached.

Important: Do not use any extensions!

### **Installation on old pipes:**

When the pipe saddle is to be installed on existing PE lines (old pipes), the outside diameter may be beyond the standard tolerance. Pretighten the HAKU with two longer screws, if necessary.

After final assembly of the saddle, check the maximum torque **twice after 15 minutes**, each!

4. Drill the pipe using the HAWLE drilling device. Observe the relevant operating instructions.

### **3. Servicing and maintenance**

Hawle HAKU pipe saddles do not require any maintenance.

### **4. Commissioning and pressure-testing**

After the successful installation, the device has to be subjected to pressure testing in the open trench considering the maximum operating pressures as specified in the DVGW regulations.

**If you have any other questions or if you need more information, please contact:**

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