

1. Intended use / product description



Medium:	Potable water / municipal sewage
Max. operating temperature:	0° to 40°
Max. operating pressure:	16 bar
Material:	Body: GJS-400, Hawle epoxy powder coating Gaskets: EPDM acc. to DVGW W 270 Screws, washers: stainless steel
Standards applied:	Flanged outlet EN 1092-2

HAKU pipe saddles with flanged outlet acc. to EN 1092-2 are to be used for installation on PE-pipes DIN 8074 / DIN EN 12201 and PVC pipes 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.

The flanged outlet is used for connecting valves and fittings (e.g. gate valves, hydrants, air valves, etc.)

In combination with the auxiliary shut-off facility via intermediate flange Order No. 373-00, DN 80 and the appropriate drilling device, pipe saddles with flanged outlet DN 80 permit the trouble-free drilling of the main line, even with the line in service.

Application area PE pipes DIN 8074 / DIN EN 12201

Pipe wall thickness SDR 11

Pipe wall thickness SDR 7.4

ATTENTION: Not suitable for thin-walled PE pipes, e.g. pipes SDR 17!

Application area PVC pipes DIN 8062 / DIN EN ISO 1452-2

Pipe wall thickness SDR 21

Pipe wall thickness SDR 13.5

ATTENTION: Observe the pressure rating of the PE/PVC pipe used!

During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with.

Installation and maintenance operations may be performed by qualified personnel only.

Accessoires:



373-00

Auxiliary shut-off device via
intermediate flange

2. Installation



Open-ended wrench, torque wrench

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 a appropriate drilling device. Observe the relevant operating instructions.

A special tapping bell (art. no. on request) must be used for tapping.

3. 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.

4. Servicing and maintenance

Hawle HAKU pipe saddles do not require any maintenance.

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

Hawle Armaturen GmbH
- Application Engineering -
Liegnitzer Str. 6
83395 Freilassing
Telephone: +49 (0)8654 6303-0
Telefax: +49 (0)8654 6303-222
E-Mail: info@hawle.de
Internet: www.hawle.de