Operating instructions for
Hydrant shortening set
Order No. 490K

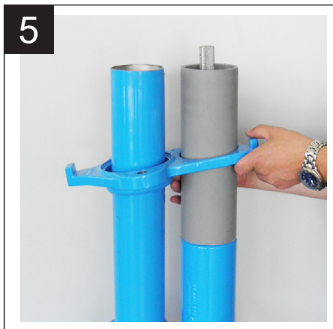
1. Intended use

With the hydrant shortening set, Hawle freeflow underground hydrants can be adapted to the desired pipe cover depth on site. In addition to the operating instructions, the applicable standards and regulations, accident prevention regulations and the regulations of the employers‘ liability insurance associations must be observed and adhered to in both installations.

2. Machine description

The shortening set, consisting of grip ring, seal carrier and coupling plate, enables the hydrant to be shortened later, even when installed. By screwing to the coupling plate, the grip ring is friction-locked to the standpipe.

3. Assembly

1	2	3	4
Initial situation! Bring the hydrant into a depressurized operating state. The lowest shortening height is 20 cm above the upper edge of the gear unit housing (see dimension arrow).	Remove dog clutch and dirt seal.	Loosen the clamping screw on the operation square cap. Remove operation square cap and protection cap.	Shorten and deburr the standpipe, PP pipe and square pipe by the same amount. Remove coupling plate.
5 	6	7	8
Slide the new coupling plate onto the standpipe and PP pipe.	Spread the grip ring open and slide it onto the standpipe.	Press the seal carrier onto the standpipe as far as it will go using manual pressure.	Push the grip ring back onto the seal carrier as far as it will go.
9	10	11	12
Insert the dirt seal into the seal carrier	Pull the coupling plate upwards and screw it together with the dog clutch. The tightening torque of 100 Nm must be observed.	Mount the protection cap in the PP pipe.	Place operating square on square pipe and fix with clamping screw.

4. Service and maintenance

The shortening set for Hawle freeflow underground hydrants is maintenance-free.

5. Commissioning and pressure testing

- Open cover
- Mount hydrant standpipe according to DIN 14375-1
- Extend hydrant standpipe with hose
- Lay the hose in such a way that water is safely drained off
- Slowly open hydrant
- Perform pressure testing as visual inspection at operating pressure
- Perform a function test by completely opening and then closing the hydrant
- After closing the hydrant, dismantle the standpipe and hose line
- Check whether hydrant drains completely

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

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