### Operating and maintenance instructions for

ZAK® PE fusion end / Elbow 90° with ZAK® spigot end and PE fusion end Order No. 618-00, 647-04









### 1. Intended use / Product description



ZAK® PE fusion end for water d32, d40 ZAK34 / d32 d63 ZAK46 /d63 ZAK69 / Gas d32, d40 ZAK34 / d32 - d63 ZAK46



Elbow 90° with ZAK® spigot end and PE fusion end for water d32, d40 ZAK34 / d32 - d63 ZAK46 / Gas d32, d40 ZAK34 / d32 - d50 ZAK46



Elbow 90° with ZAK® spigot end and PE fusion end for gas d63 7AK46

Medium: Potable Water / Municipal Sewage / Gas

Max. operating temperature: Potable Water / Municipal Sewage: 0° to 40° / Gas: -10° to 50° Max. operating pressure: Potable Water / Municipal Sewage: 16 bar / Gas: 10 bar Housing: GJS-400, Hawle epoxy powder coated

Outlet: PE100

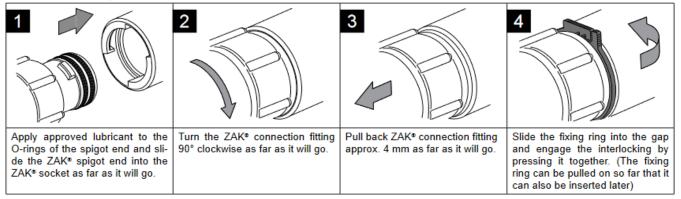
Gasket: EPDM (Potable Water), NBR (Gas and Municipal Sewage)

ZAK-PE end straight and elbow 90° as transition from Hawle ZAK® system to PE pipelines. For underground pipeline construction and in distribution systems both in drinking water and gas supply and in wastewater disposal. No application in installation. Can be used for PE pipes (DIN 8074/EN 12201). On the one hand with ZAK® spigot end for positive connection of fittings and fittings with ZAK® socket, on the other hand with PE end (SDR 11) made of PE 100 according to DIN 8074/EN 12201.

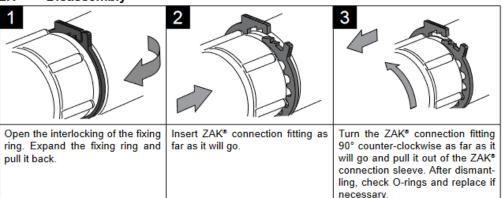
During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with.

Installation and maintenance operations must be performed by gualified personnel only

#### 2. Assembly



#### 2.1 Disassembly



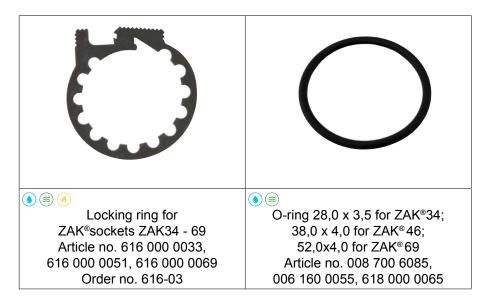
## 3. Commissioning/Pressure test

After successful installation, a pressure test must be carried out in an open pipe trench in accordance with DVGW regulations.

## 4. Maintenance and repair

Hawle Fittings are maintenance-free.

## 4.1 Spare parts



<sup>\*</sup> Brass/red brass components > 0.1% lead according to Regulation (EU) No. 1907/2006 (REACH Regulation)

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

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