



...thoroughly tried and tested!

# EWE tapping valves

*a single system for all types of pipes*



## EWE tapping fittings

high-quality products from Germany

EWE tapping fittings are the product of more than forty years' experience in the design and production of tapping fittings and accessories. EWE tapping fittings are available for all types and sizes of pipes, and for tappings under pressure for gas, water and waste water. The key criteria underlying the manufacture of our fittings are DVGW (German Association of Gas and Water Engineers) certification and compliance with international guidelines. Simple, user-friendly tapping processes and standardised, purpose-designed and self-sealing tools are features our customers have come to take for granted over the years.



### Performance profile

Now in our third generation, we are a medium-sized, privately owned family business. Our experience extending over 60 years and our technical know-how have made us a leading supplier of high-quality fittings. Expertise, reliability, commitment, and, not least, continuity in the management and workforce form the basis of our success. As well as supplying high-quality, reliable fittings for operating your media supply system, we can also supply you with the appropriate accessories. As a company specialising in the manufacture of domestic supply fittings for water, gas and waste water, we provide complete solutions tailored to meet your requirements.



### Made in Germany

All the tapping fittings are manufactured in our Braunschweig factory from design and development to the manufacture and quality assurance right up to sales and service. This enables us to meet both the safety requirements laid down in standards, regulations, approvals and checks, as well as rigorous quality standards. Continuity of production of our fittings is guaranteed because everything comes from one source which ensures a reliable service for you in terms of quality, functional reliability and supply.



### Uncompromisingly high quality standards

The key features of our fittings are their DVGW certification and their compliance with international guidelines. New products are launched on the market only after exhaustive testing. Superbly trained staff, modern production facilities and safety and environmental regulations underpin our high quality standards. The superb quality and durability of our tapping fittings is guaranteed not least by the use of high-quality, robust materials such as dezincification resistant brass, stainless steel, etc. We are also making increasing use of innovative, environmentally friendly materials in the manufacture of our tapping fittings, such as lead-free silicon brass which contributes to reducing the lead content in drinking water.

## EWE tapping system

a single system for all types of pipes

We are able to supply you, the end user, with a tapping system offering perfect solutions of an exceptionally high technical standard to all problems in the pipe trench field. The EWE tapping system has been developed and perfected over decades of use by specialists in the field. Reduced costs, perfect accuracy of fit of the components and a high functional reliability are just a few of the benefits that the EWE tapping system brings you.

### EWE tapping fittings

Tapping fittings are used to connect domestic service lines. They are pipeline accessory parts which permit the tapping of water, gas or waste pipes whilst the system is "under pressure" without shutting down the supply line, with any swarf formed in the process being flushed out at the same time.

### The modular construction principle

The EWE tapping system offers an extensive range of installation and connection possibilities for all pipe materials and designs. Thanks to the flexible modular construction system employed, we can offer a wide product range, enabling us to provide not only rapid availability but also a service to meet all your technical needs. Solutions tailored to your technical needs can thus be provided readily and easily. The products, which are perfectly matched to each other, enable us to meet your requirements in full. The products are easy to combine together and are supplied ready assembled.

### Top and side tapping:

#### Advantages of top tapping:

- small head access hole is possible
- installation and tapping are easy to carry out
- venting of supply line via domestic service connection is guaranteed

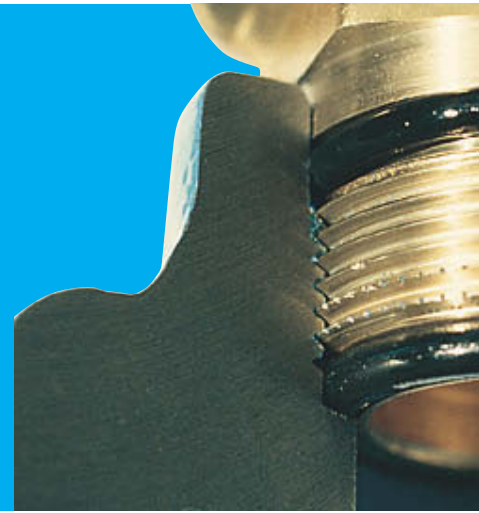
#### Advantages of side tapping:

- the main line and connecting line can be laid at one level
- no reduction in pipe cover depth of the outgoing line
- pipe bedding is easy to prepare



## EWE tapping valves for all types of pipes and media

The connection between the connection piece and tapping valve is a special feature of the EWE tapping fittings. All EWE tapping fittings are sealed at this point both radially and axially with two O-rings. This double O-ring seal between the connection piece and tapping valve enables the tapping valve to rotate through 45° on both sides.



### Valve tapping fittings

- for top tapping with operating shut-off
- for external auxiliary shut-off
- for all types of pipes
- housing and upper section available in dezincification resistant brass, lead-free silicon brass, or chromium-plated
- with non-rising stainless steel stem with round thread
- non-turning valve cone, conically sealing valve plate

valve plate



### Ball valve tapping fittings and ball tapping fittings

- for top tapping, with or without operating shut-off
- with integrated auxiliary shut-off by ball shut-off with Teflon seal
- for all types of pipes
- housing and upper section or plug available in dezincification resistant brass, lead-free silicon brass or chromium-plated
- non-rising stainless steel stem with round thread
- non-turning valve cone, conically sealing



valve stem

### Ball valve and piston valve tapping fittings

- for side tapping
- with operating and auxiliary shut-off by A4 stainless steel ball shut-off with Teflon seal for ball valve tapping fittings, and by rubber pistons made from EPDM for piston valve tapping fittings
- for all types of pipes
- housing and upper section available in dezincification resistant brass, lead-free silicon brass or chromium-plated
- non-rising stainless steel stem

### LIRO (linear rotating) tapping fittings (pressure tapping fittings)

- for top tapping
- with operating shut-off
- for PE pipes only, with integrated stainless steel drilling cutter
- outlet with welded connections can be turned through 360°

### Waste water tapping fittings

- for side tapping, with operating and auxiliary shut-off
- for PVC and PE waste water pressure lines
- A4 stainless steel housing and ball

For more detailed information please visit our website on: [www.ewe-armaturen.de](http://www.ewe-armaturen.de)



## EWE connection pieces and clamps

the perfect connection to the supply line

The type of connection to the supply line depends mainly on the pipeline material and also on the nominal width and tapping diameter. The connection consists of the screwed connection of the connection piece and clamp around the pipe.

### AGS tapping sleeve

- for water and gas
- for aluminium-zinc, cast-iron and steel pipes, available for pipes with nominal widths of DN 50 to DN 500
- nodular cast iron connection piece, A4 stainless steel securing strap and nuts

### PVC tapping bridge

- for water
- for PVC pipes (can also be used for PE pipes when fitted with PE sleeve), available for pipes with nominal widths of DN 50 to DN 150
- hard PVC connection piece and clamp, stainless steel screws
- fixed moulded seal

### GF wedge bridge made from PVC

- for water
- for PVC pipes, available for pipes of nominal widths of DN 80 to DN 200
- connection piece and clamp made from hard PVC, PVC clamping wedge, without screws
- grooved profile seal

### Nodular cast iron tapping bridge

- for water or gas
- for PVC pipes (can also be used for PE pipes when fitted with PE sleeve), available for pipes of nominal width of DN 50 to DN 300
- nodular cast iron connection piece and clamp, EPS coated, with rubber insert, stainless steel screws

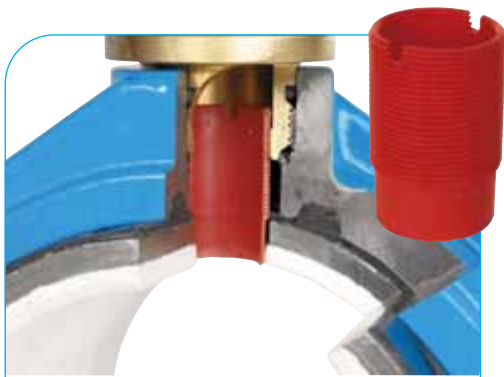
### FRIALEN/ ELGEF Plus welding systems

- for water and gas
- available for PE pipes with diameters of d 63 to d 315
- resistance welding
- connection piece and clamp made from 100% PE 100



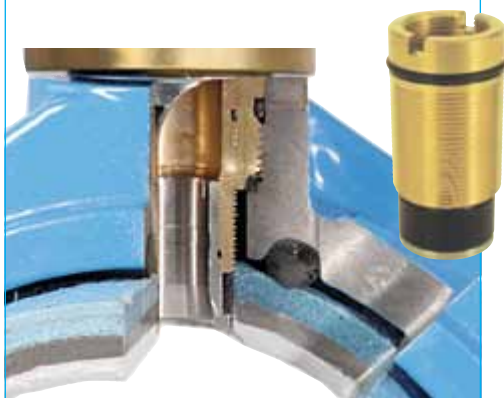
## EWE sleeve systems products you can rely on

EWE sleeve systems for use with the tapping fittings can be supplied if required. All the sleeves extend the axis of the tapping fitting into the drill hole, thereby preventing rotation or displacement of the fitted tapping fitting on the main pipe. They also protect the drill hole from incrustation where metal pipelines are used. After tapping under pressure has been completed, the sleeves are fitted into the tapping fitting in a second, very simple assembly operation using a sleeve fitting device



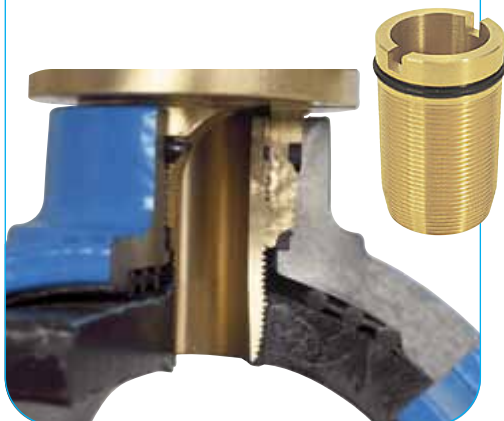
### Drill hole sleeve

- for EWE tapping fittings
- used successfully for over 25 years
- made from plastic, keeps the drill hole clear
- prevents reduction of the drill hole diameter caused by incrustation
- easy to install under pressure with the specially designed drill hole sleeve fitting device



### Drill hole sealing sleeve

- for EWE tapping fittings
- used successfully for 15 years
- this sleeve provides a direct seal in the drill hole against the pipe wall especially with CMC (cement-mortar-coated) pipes, but also with all other pipes
- prevents the reduction of drill hole diameters caused by incrustation
- it eliminates the need for the time-consuming removal of the outer layer required with multilayer pipes, and for subsequent insulation
- the corrosion protection is preserved
- easy to install under pressure with the specially designed fitting device for drill-hole sealing sleeves



### PE sleeve

- for EWE tapping fittings
- used successfully for 15 years
- this sleeve enables threaded tapping fittings used for PVC pipes to be used for PE pipes as well
- the sleeve cuts into the drill hole of the PE pipe with its tapered thread
- a "flowing away" of the PE pipe from the seal is prevented
- no outlay for welding is required and installation can be carried out regardless of weather conditions
- easy to install under pressure with the specially designed drill hole sleeve fitting device

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## Tools and accessories

the right tool for every job every time!

We supply accessories and tools which are perfectly matched to our range of tapping fittings. EWE tapping tools are an integral component of the tapping system and simplify tapping under pressure without additional special tools. EWE installation sets have been designed for subsurface installation for the operation of EWE tapping fittings. Their key advantages include accuracy of fit, impact resistance and resistance to rotting. Connection fittings and transition pieces for EWE-tapping fittings complete our range of accessories.

### Installation sets

#### Non-adjustable version:

- traditional installation set for operating underground fittings
- enamelled steel wrench rod, plastic sleeve tube
- different pipe cover depths available
- sealing washer to prevent the cavity from silting up from below

#### Adjustable telescopic installation set:

- provides optimum flexibility thanks to its stepless adjustability
- hot-dip galvanised or stainless steel wrench rod
- complete unit of wrench rod, sleeve tube, sealing washer and grooved pin

#### Telescopic installation kit:

- as for telescopic installation set
- the modular construction system employed enables sleeve tube and wrench rod to be quickly and easily extended
- all pipe cover depths can be provided

### Connection fittings

#### PE screwed connections:

- for drinking water and gas
- clamping connector for connection to PE pipes, made from dezincification resistant brass or polypropylene
- rotating brass angle for flexible use

#### Polyethylene welded connections:

- for drinking water and gas
- for all makes of welded sleeves, made from dezincification resistant brass or lead-free silicon brass

### Tools and wrenches

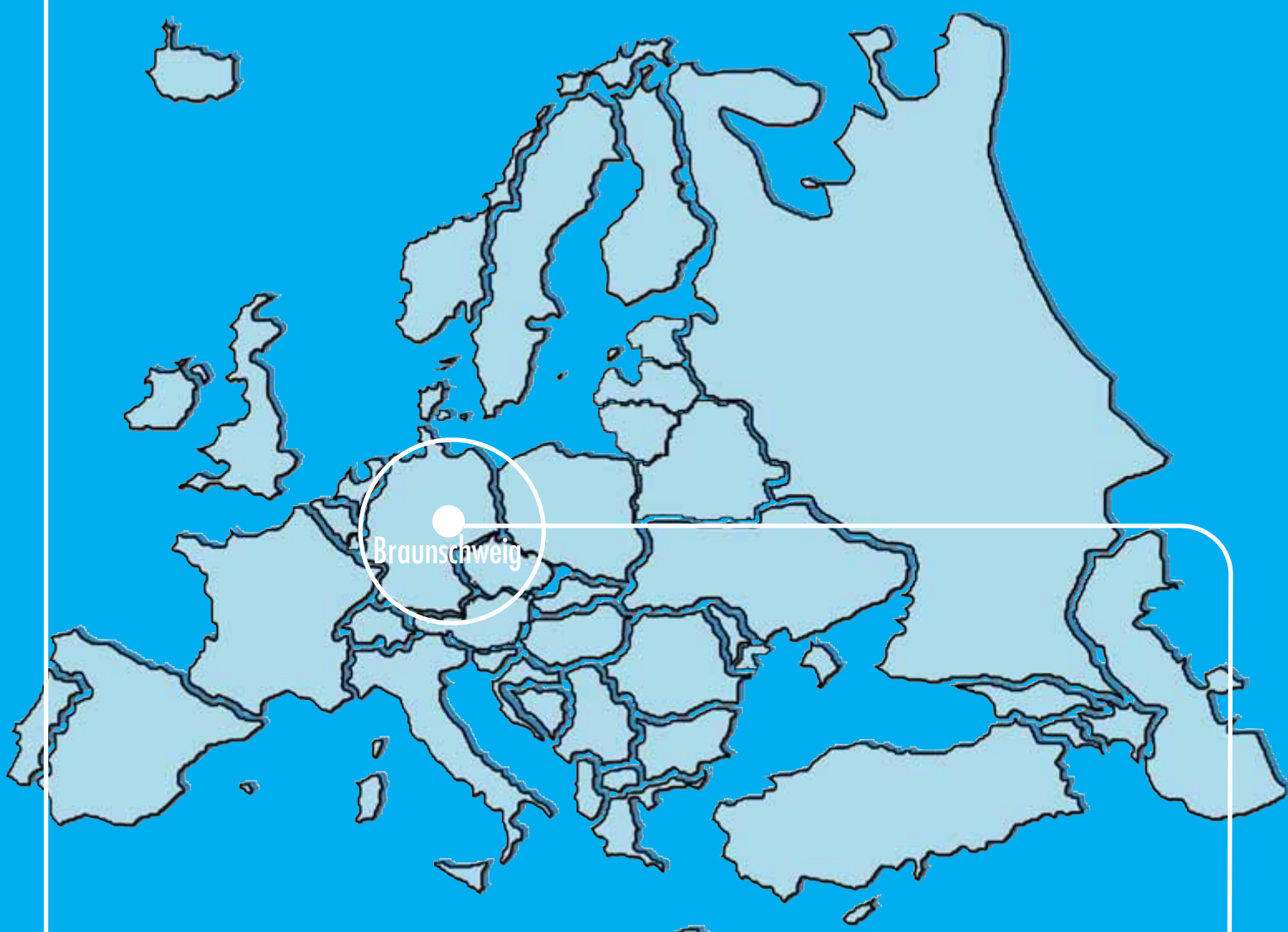
#### Tapping tools for EWE tapping fittings:

- for tapping all types of pipes
- direct connection to the EWE tapping fittings for dry tapping without gas leakage

#### Wrenches, adapters etc.:

- additional tools for operating EWE fittings such as service wrenches, ratchets, transition pieces, drill bits etc.





**WILHELM EWE GmbH & Co. KG**

Volkmaroder Straße 19

D-38104 Braunschweig

Tel.: +49 (0)5 31 37 00 50

Fax: +49 (0)5 31 37 00 555

E-Mail: [info@ewe-armaturen.de](mailto:info@ewe-armaturen.de)

[www.ewe-armaturen.de](http://www.ewe-armaturen.de)