

Pipe drilling fitting 2" Hawlinger®  
ZAK 69 outlet

# Pipe drilling fitting 2" Hawlinger®

The 2" Hawlinger® (ZAK 69) pipe drilling fitting with integrated operational shut-down allows for easy tapping of the pipeline at operating pressure. The Hawlinger® consists of the following parts:

- Shut-off device, consisting of a shut-off blade made of stainless steel
- For a Universal Hawlinger® variant, order no. 243-00: Connecting part to connect a strap system for cast iron, steel and asbestos cement pipes
- For a HAKU Hawlinger® variant, order no. 236-00: Two half shells for connecting to PE / PVC pipes

## Technical features

- Opening or closing the Hawlinger requires turning the spindle by half a revolution (180°)
- Reliable shut-off function ensured by a stainless steel shut-off blade driven via a slotted link gear
- The shut-off blade moves horizontally within a body against fixed metal stops
- The spindle of high-quality stainless steel is welded to the drive disc of the shut-off blade driving device
- When open, completely unrestricted throughput
- Quick, easy installation due to flexible strap or half-shell system
- The pipeline can be easily tapped from above with a pipe drilling device even when in operation.
- The extension spindle is fastened without using a pin by screwing it onto the round thread of the shut-off valve
- Subsequent tapping at operating pressure possible
- Long service life due to robust shut-off blade technology and Hawle epoxy powder coating according to heavy-duty corrosion protection (GSK)
- Spindle O-rings stored on all sides in non-rusting material
- Back-up seal to relieve the double spindle seal
- Corrosion-protected body screw connections
- Compatible with existing saddle seals, straps, etc.
- Pipe drilling device for tapping with ZAK 69 available separately (see page 6)
- In conjunction with ZAK® fittings by Hawle, any number of connecting and outlet variants can be implemented / (see page 7)

## Technical data

Medium:	Potable water
Operating temperature:	0 - 40°C
Max. operating pressure:	16 bar
Closing mechanism:	Clockwise, turning the spindle by half a revolution (180°)
Material:	Body: GJS-400 / Hawle epoxy powder coating Shut-off blade: stainless steel Spindle: stainless steel
Outlet variant:	ZAK 69
Connection variants:	Straps, HAKU
Max. tapping diameter:	Order no.: 236-00 Ø 50 mm order no.: 243-00 Ø 45 mm (Special tapping diameter up to Ø 50 mm)*
	*Special tapping up to Ø 50 mm possible. For tapping diameters from 46 to 50 mm, we recommend the special saddle seal order no. 314-00.

# Structure of 2" Hawlinger®

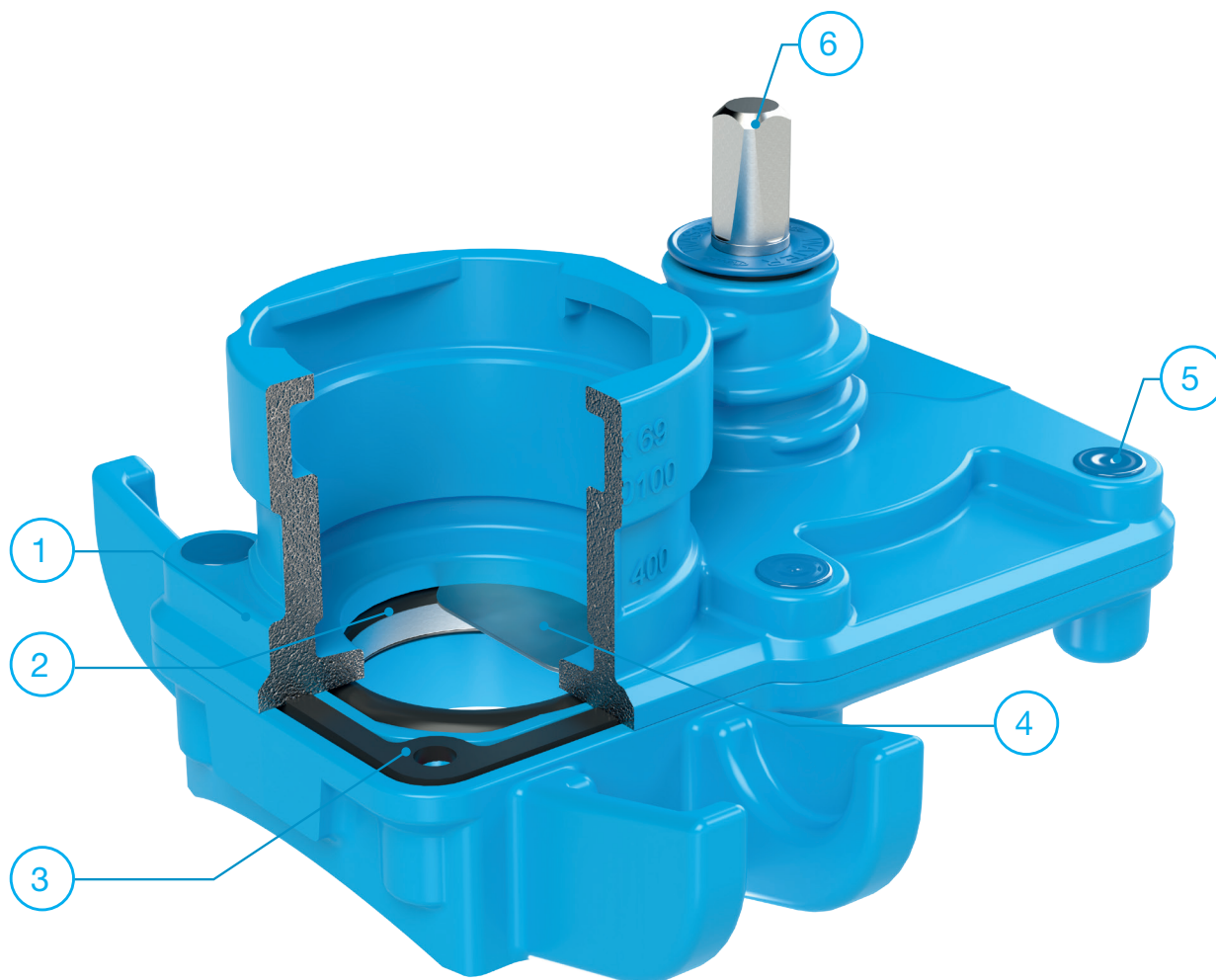


Figure: Universal Hawlinger 2" for cast iron, steel and asbestos cement pipes with a vertical ZAK 69 socket

No.	Component	Material
1	Body	GJS-400, Hawle epoxy powder coating
2	Reinforcement ring	Stainless steel with EPDM
3	Flat chamber gasket	EPDM
4	Shut-off blade	Stainless steel
5	Allen screw, sealed	Steel, stearin
6	Spindle with square 12.3 mm and shut-off blade driving mechanism	Stainless steel

## Universal Hawlinger 2", order no. 243-00

The Universal Hawlinger 2" is designed for installation on cast iron, steel and asbestos cement pipes with diameter from DN100 to DN 500. The Universal Hawlinger 2" is available with a ZAK® 69 socket. It can be adapted to the main pipe by means of a retaining strap and saddle seal with the corresponding nominal diameter.

## HAKU Hawlinger 2", order no. 236-00

HAKU Hawlingers are designed for installation on PE pipes according to DIN EN 12201/ DIN 8074 and PVC pipes according to DIN EN ISO 1452 / DIN 8062 2. Both half shells are calibrated exactly to the specific outside diameter. The metal stops prevent any inadmissible deformation of the pipe when joining the half shells. The HAKU Hawlinger 2" is available with a ZAK-69 socket for the pipe diameters d 110 mm, d 125 mm, d 140 mm, d 160 mm, d 180 mm and 225 mm.

# Functional principle of the Hawlinger® with discharge

## Automatic discharge in potable water systems

For use in potable water systems, all Hawlinger®-type pipe drilling fittings can be obtained with additional discharge (additional cost for discharge, order no. 240 000 0009). This is necessary if the shut-off pipe section is to be drained once the fitting has been closed.

This applies, for example to shut-off fittings located below air release valves or upstream of supply lines for holiday homes. In the case of drain drilling, a sufficiently dimensioned drainage pack must be installed.

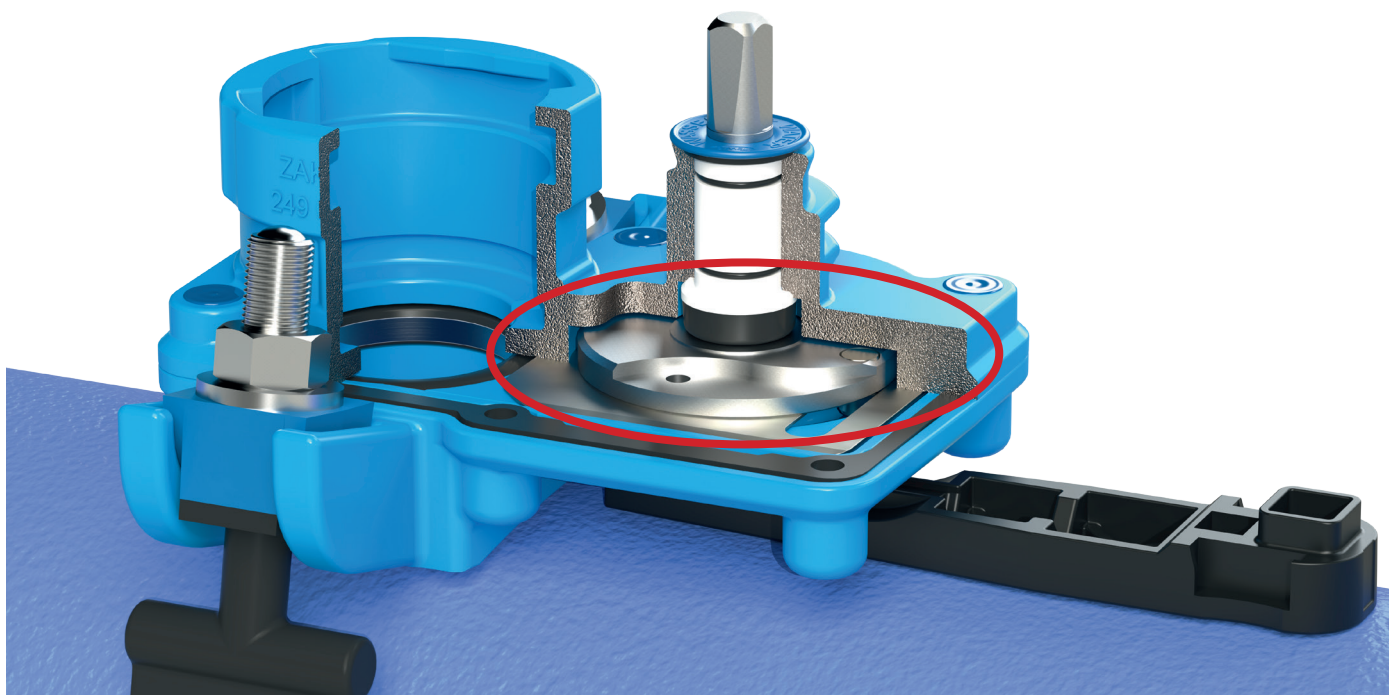


Figure: Universal Hawlinger 2", order no. 243-00: Set to open (drain closed). The shut-off blade is located outside the flow-through medium. The full, unrestricted diameter of the pipe drilling fitting can be used, for example, for pipe drilling or for inserting measuring probes, etc.

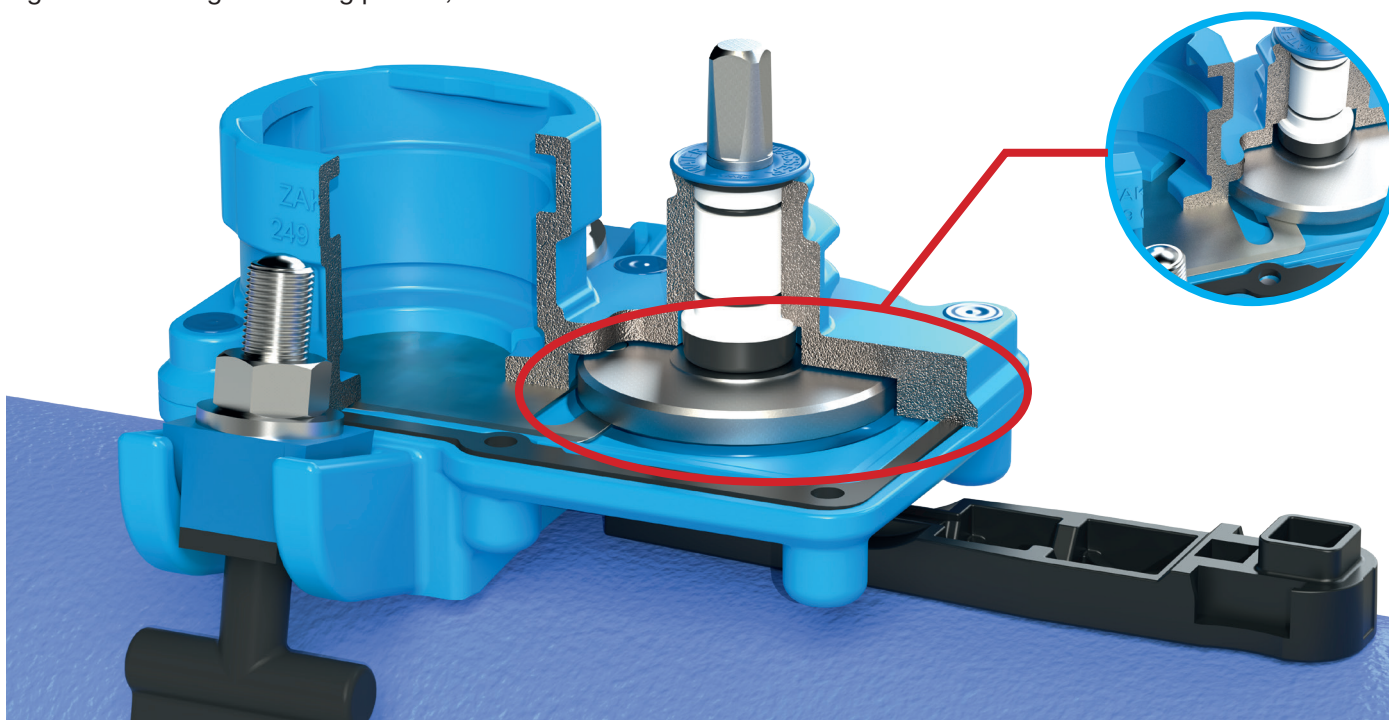


Figure: Universal Hawlinger 2", order no. 243-00: Set to close (drain open)

# 2" Hawlinger® with a vertical ZAK 69 socket and installation example



243-00  
Universal Hawlinger 2"



236-00  
HAKU Hawlinger 2"

## Max. operating pressure

No.	Description	Max. operating pressure	Nominal diameter
243-00	Universal Hawlinger 2"	16 bar	ZAK 69: DN 100 - DN 500
236-00	HAKU Hawlinger 2"	16 bar	ZAK 69: d 110 mm, d 125 mm, d 140 mm, d 160 mm, d 180 mm, d 225 mm

### Installation example:

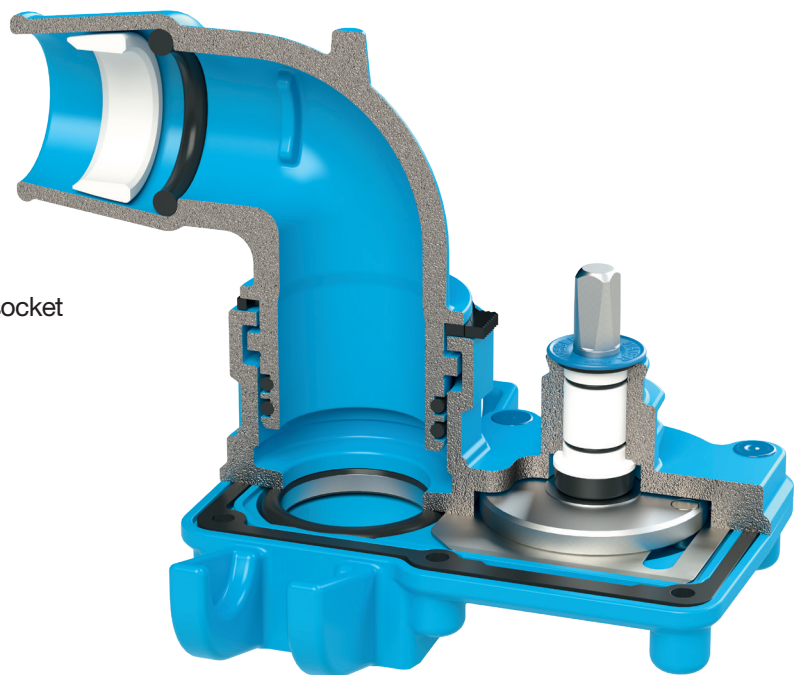
Fitting: Elbow 90° with ZAK spigot end and push-fit socket (order no. 647-01) in Universal Hawlinger 2" with ZAK 69 socket (order no. 243-00)

### Virtual product launch:

Universal Hawlinger 2" with ZAK 69 socket (order no. 243-00)



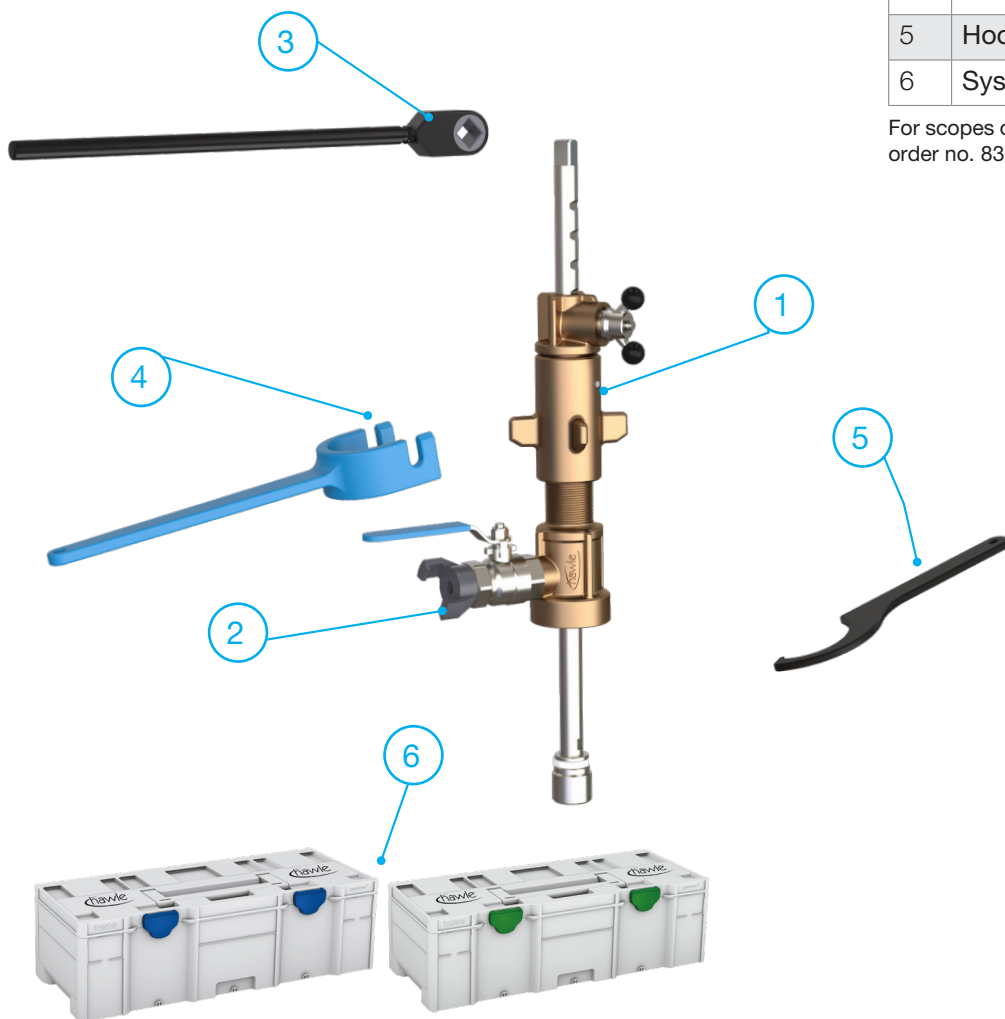
[www.hawle.de/video-243-00](http://www.hawle.de/video-243-00)



# “Hawlomat” pipe drilling device by Hawle - Basic unit in the Systainer (830-01)

The “Hawlomat” pipe drilling device by Hawle is designed for tapping potable water pipelines made of cast iron, steel, asbestos cement, PE or PVC.


In conjunction with pipe drilling fittings by Hawle, tapping of up to 2” (ZAK 69) can be carried out during operation.



No.	Component
1	Hawlomat pipe drilling device
2	Ball valve and GEKA threaded piece
3	Ratchet
4	Feed wrench
5	Hook spanner
6	Systainer - potable water or sewage


For scopes of delivery, please see product page order no. 830-00 and order no. 830-01

Max. operating pressure 


No.	Description	Max. operating pressure 	Nominal diameter
830-00	“Hawlomat” pipe drilling device	16 bar	-
830-01	Basic unit “Hawlomat” in the Systainer	16 bar	-
831-00	Accessories for “Hawlomat” pipe drilling device	-	Accessories, see <a href="http://www.hawle.de/831-00">www.hawle.de/831-00</a>
831-01	Drilling accessories for “Hawlomat” pipe drilling device	-	Accessories, see <a href="http://www.hawle.de/831-01">www.hawle.de/831-01</a>

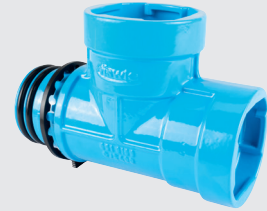
# Product supplements




 **616-00**  
Push-fit socket with ZAK® spigot end




 **647-01**  
Elbow 90° with ZAK® spigot end and push-fit socket



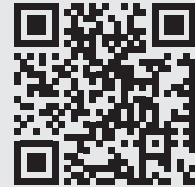
 **651-01**  
Tee branch fitting with ZAK® socket and ZAK® spigot end



 **835-00**  
Borehole sealing sleeve  
(for 2" in preparation)




**249-00**  
ZAK® plug



For other ZAK 69 products, please see our "ZAK 69" brochure.  
[www.hawle.de/prospekt-zak69](http://www.hawle.de/prospekt-zak69)

## Max. operating pressure

No.	Description		Nominal diameter
616-00	Push-fit socket with ZAK® spigot end	16 bar	ZAK 69: d50, d63, d75 mm
647-01	Elbow 90° with ZAK® spigot end and push-fit socket	16 bar	ZAK 69: d50, d63 mm
651-01	Tee branch fitting with ZAK® socket and ZAK® spigot end	16 bar	ZAK 69
835-00	Borehole sealing sleeve (for 2" in preparation)	16 bar	ZAK 69
249-00	ZAK® plug	16 bar	ZAK 69

Hawle Deutschland Armaturen GmbH  
Liegnitzer Straße 6  
83395 Freilassing  
Deutschland

Tel.: +49 8654 6303-0

info@hawle.de  
www.hawle.de/en



© For further information on our brands, please contact us at [info@hawle.de](mailto:info@hawle.de) or visit our website on [www.hawle.de](http://www.hawle.de).  
We deliver based on our familiar General Terms and Conditions of Sale (GTC), which are available for downloading.  
All illustrations, technical data, dimensions and weights are non-binding. Subject to change. Last updated: 02/2026