



With the collaboration of:



Tele-Hydrant<sup>®</sup> Set  
“Berlin“

# About this Brochure

The general media specifications may possibly be limited in the product descriptions. Please make sure to inform us in your order and/or inquiry about the medium for which the respective application is intended.

Current information can be obtained via our free newsletter. For registration, please go to [www.hawle.de/newsletter](http://www.hawle.de/newsletter).

If you have any more questions on our products, please don't hesitate to contact our employees from Application Engineering any time.



Products for use in the field of potable water



Generally, all products sold by us are subject to the statutory warranty period of 2 years after delivery from Hawle. Due to the high Hawle product quality, we are able to offer you an extended warranty period of 5 years for all products manufactured by us. For more details, please refer to the Internet: [www.hawle.de/warranty](http://www.hawle.de/warranty)



For information on our "10 Years Quality Guarantee" for Hawle potable water products, please refer to: [www.hawle.de/garantie](http://www.hawle.de/garantie)



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<https://qrco.de/bdfsCF>  
Video zur Nutzung der Tele-Hydrant® Garnitur "Berlin"

# Tele-Hydrant® Set “Berlin“

Ponding water and deposits inside surface boxes have always been problems encountered with the use of underground hydrants. In many cases, the surface box must be cleaned inside before it is possible to put the standpipe onto the claw coupling. Therefore, the Tele-Hydrant® set “Berlin“ has been developed with the collaboration of Berliner Wasserbetriebe to allow quick and hygienic water tapping and to prevent contamination getting into the drinking water system.

The Hawle Tele-Hydrant® set with withdrawal unit “Berlin“ is an advanced version of the Hawle Tele-Hydrant® Ord. No. 492-00 and is suitable, for example, for withdrawing water at public places or at events such as public festivals, markets, sports events, or similar. The newly developed set ensures the hygienic supply with potable water, e.g. for booths serving drinks or selling products, or also for shower facilities, even if operated only occasionally.

Through the PE shaft, the hydrant can be reached without digging to perform maintenance or repair work.

The Tele-Hydrant® set “Berlin“ does not need a standpipe for tapping the water, since the standpipe and the withdrawal unit are integrated in the hydrant. This permits quick and easy access when water is needed.

In all Hawle freeflow underground hydrants, the shut-off function is effected through a shut-off blade of stainless steel. The shut-off blade is moved horizontally at low wear against fixed stops in a housing via an eccentric mechanism and gear. After reaching the closed stop, torques higher than the closing torque must be avoided. After reaching the opened stop, the gear should be relieved by

a half turn in opposite direction.

For using the Tele-Hydrant® set “Berlin“, the surface box lid is removed, and the mounted withdrawal unit with the integral standpipe is pulled upward above road level and/or ground level. After tapping the water, the withdrawal unit with the standpipe can be lowered back into the box. Thus, the Tele-Hydrant® set “Berlin“ is protected against unauthorized use.

The Tele-Hydrant® set “Berlin“ is provided with a drain-off function via push-fit fitting for PE pipe D 32 mm. When used in areas with high groundwater levels (on a level with the drain-off fitting or higher) measures must be taken to prevent the ingress of dirt (e.g. forced drainage or end fitting Ord. No. 620-01 (see accessories)).

Withdrawal unit rotating 360°

Connection: GEKA Plus coupling

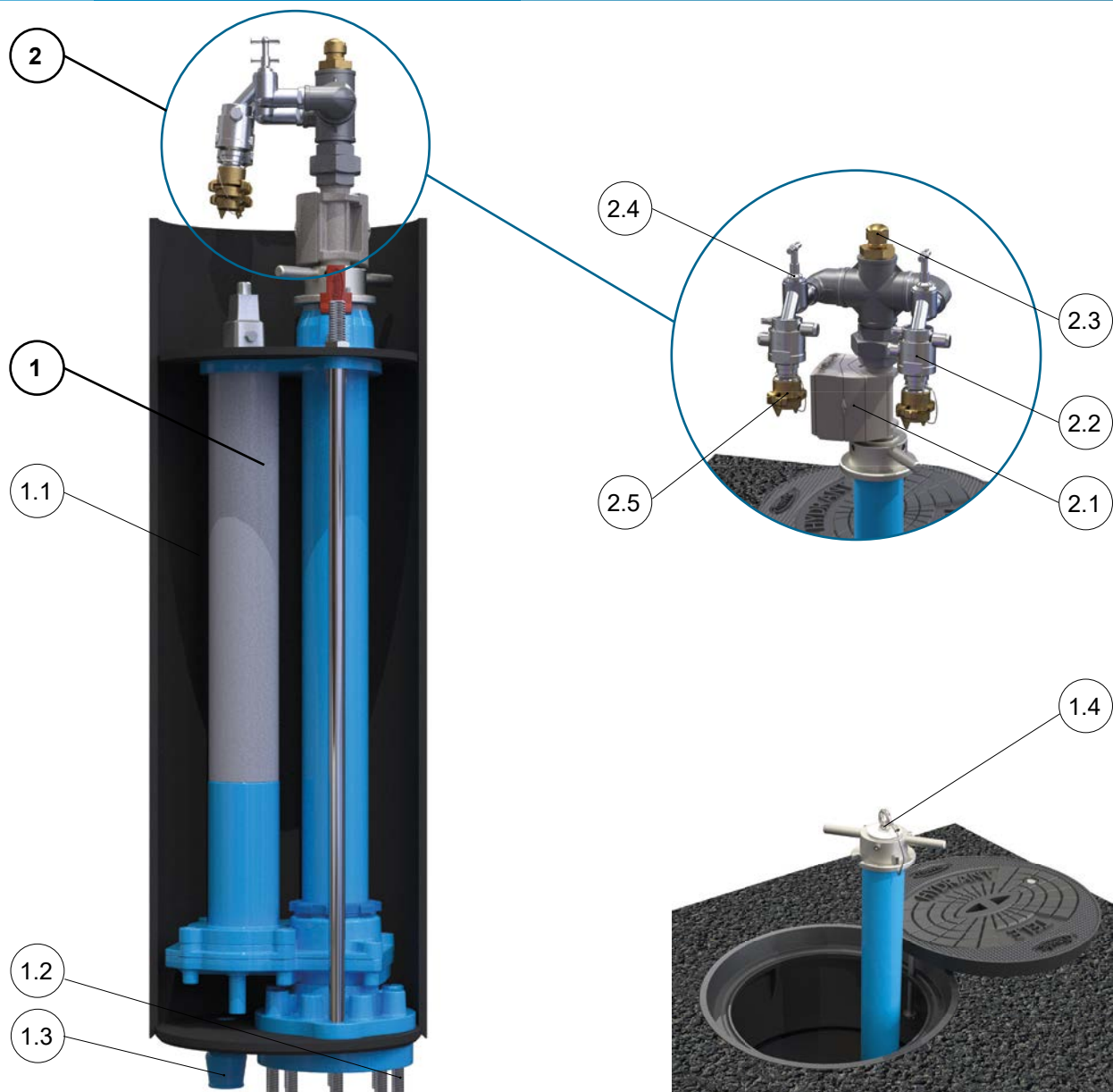
Opening/closing: 15 revolutions

Drainage: acc. to DIN EN 1074-6

## Technical Features

- Integrated withdrawal unit for pulling out
- Withdrawal unit rotating 360°
- Connection: GEKA Plus coupling
- Backflow preventer acc. to DIN EN 1717
- Tube aerator DN 3266 model DN 15
- Shut-off function through blade with fixed stops in opened/closed position
- Drainage acc. to DIN EN 1074-6
- Opening/closing: 15 revolutions acc. to EN 14339
- Pipe cover depths: standard 1.50 m (special lengths on request)
- Lower outlet: flange connection DN 80

# Design



Item	Qty.	Short description	Material
1	1	<b>Tele-Hydrant®</b>	Cast iron components: GJS-400, Hawle epoxy powder-coated Medium pipe: stainless steel, Hawle epoxy powder-coated Spindle/shut-off blade/shut-off blade driving mechanism: stainless steel Protection jacket: PP (polypropylene), Gaskets: EPDM acc. to UBA-KTW-BWGL
1.1	1	Shaft	HDPE
1.2	1	Connecting flange DN80 with stud	Steel, Hawle epoxy powder-coated Stainless steel
1.3	1	Push-fit fitting d 32 mm	GJS-400, Hawle epoxy powder-coated
1.4	1	Sealing plug with eye bolt	POM Steel, galvanized
2	1	<b>Withdrawal unit complete with standpipe</b>	
2.1	1	Water meter with digital data transmission	Stainless steel
2.2	2	Protection device - backflow preventer Type BA DIN EN 1717	Brass
2.3	1	Tube aerator	Brass
2.4	2	Outlet fitting	Stainless steel
2.5	2	GEKA Plus coupling and end cover GEKA Plus dummy coupling	Brass

# Application Example / Tele Hydrant Surface Box

## Passive



Surface box closed and locked. The withdrawal unit cannot be taken out by unauthorized persons. The withdrawal set is accommodated in the surface box.

## Aktive



Surface box unlocked and opened. The withdrawal unit has been pulled out and is immediately ready for use.

## Tele Hydrant Surface Box, Lockable Version, Ord. No. 206-02



The tele hydrant surface box with lid for rolling in, lockable version (Ord. No. 206 081 2000) is to be used for installation in bituminous traffic areas. The drawing ring permits a large adjusting range.

During rolling in, a bond is created between the drawing ring and the asphalt layer. Thus, the traffic load is discharged into the base layer. This bond ensures that the surface box remains level with the road surface.

The absorber ring prevents contact corrosion between the lid and the box, on the one hand, and ensures easy loosening of the lid as well as a reduced rattling tendency of the latter, on the other hand.

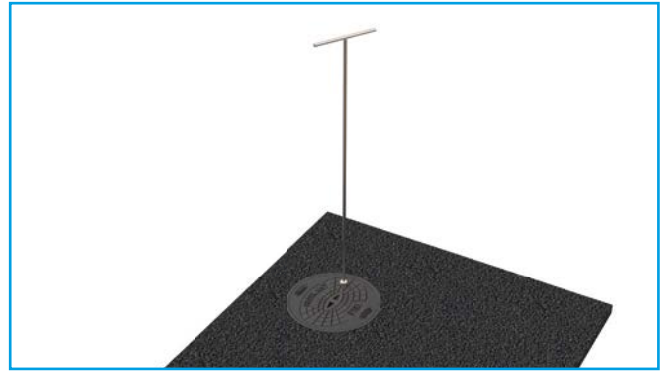
The hydrant lid is connected to the manhole cover via a locking pin with a cotter and a shim.

Due to the integral locking unit, the Tele-Hydrant® set "Berlin" is protected against unauthorized use. The lockable version of the tele hydrant surface box can be opened only by means of the special operating key Ord. No. 206-06.

# Use of the Tele-Hydrant® Set



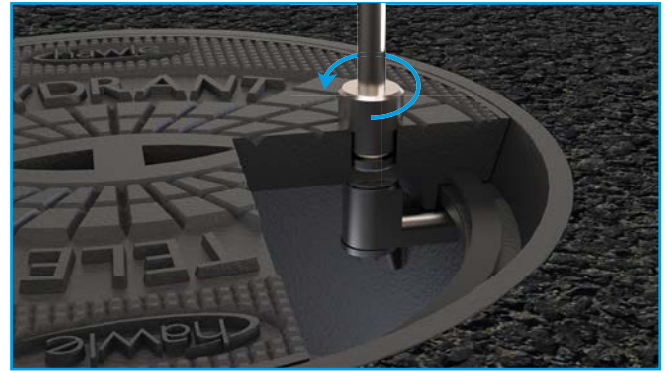
Remove the dirt gasket.



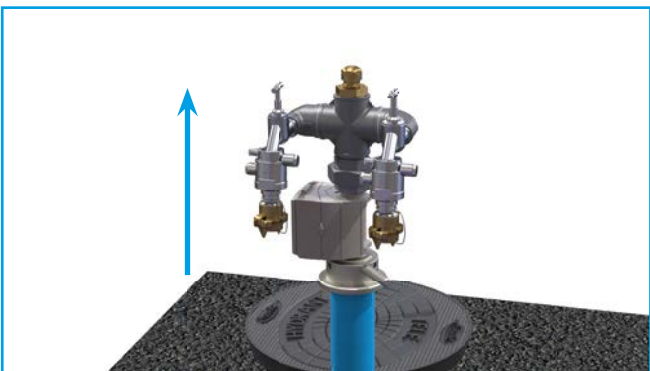
Put on the operating key.



Put on the operating key - detailed view.



Turn the operating key half a revolution to unlock the surface box.

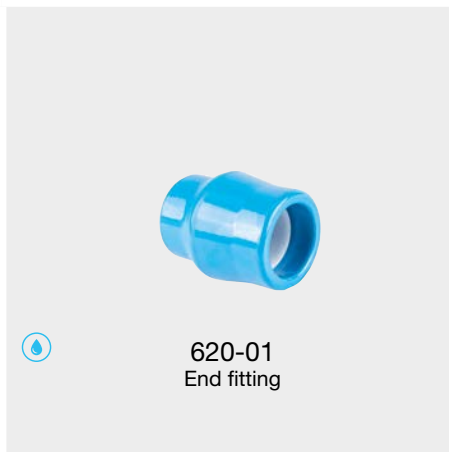
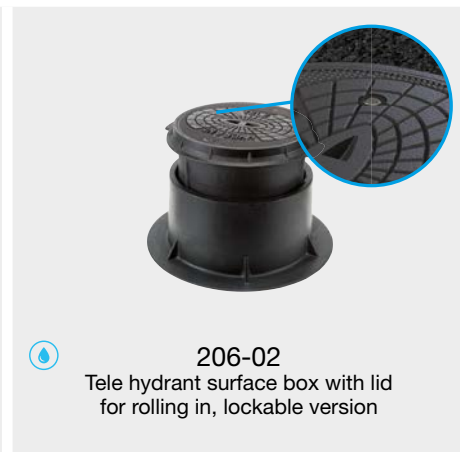
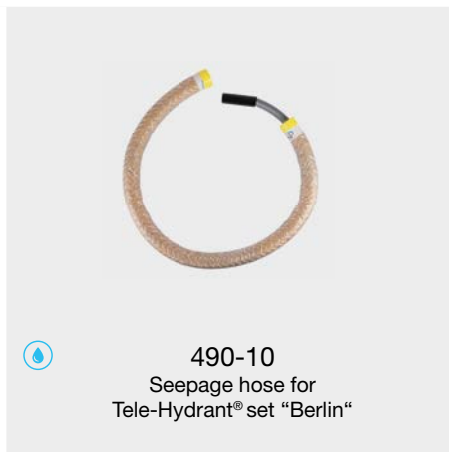


Pull the withdrawal unit upward by the handles until you can feel the unit engage.



Use the operating key to bring the hydrant in opened position by approx. 15 revolutions (hand-tight).

# Accessories for Tele-Hydrant® Set “Berlin“



No.	Designation	Maximum operating pressure	Properties
206-06	Operating key for surface box and Tele-Hydrant® set “Berlin“	-	
490-10	Seepage hose for Tele-Hydrant® set “Berlin“	-	Length: 1600 mm
206-02	Tele hydrant surface box with lid, for rolling in, lockable version	-	
	Adjustment device for tele hydrant surface box, for rolling in, lockable version	-	
620-01	End fitting	16 bar	D 32 mm
549-00	EN fitting - BAIO® system	16 bar	DN 80



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