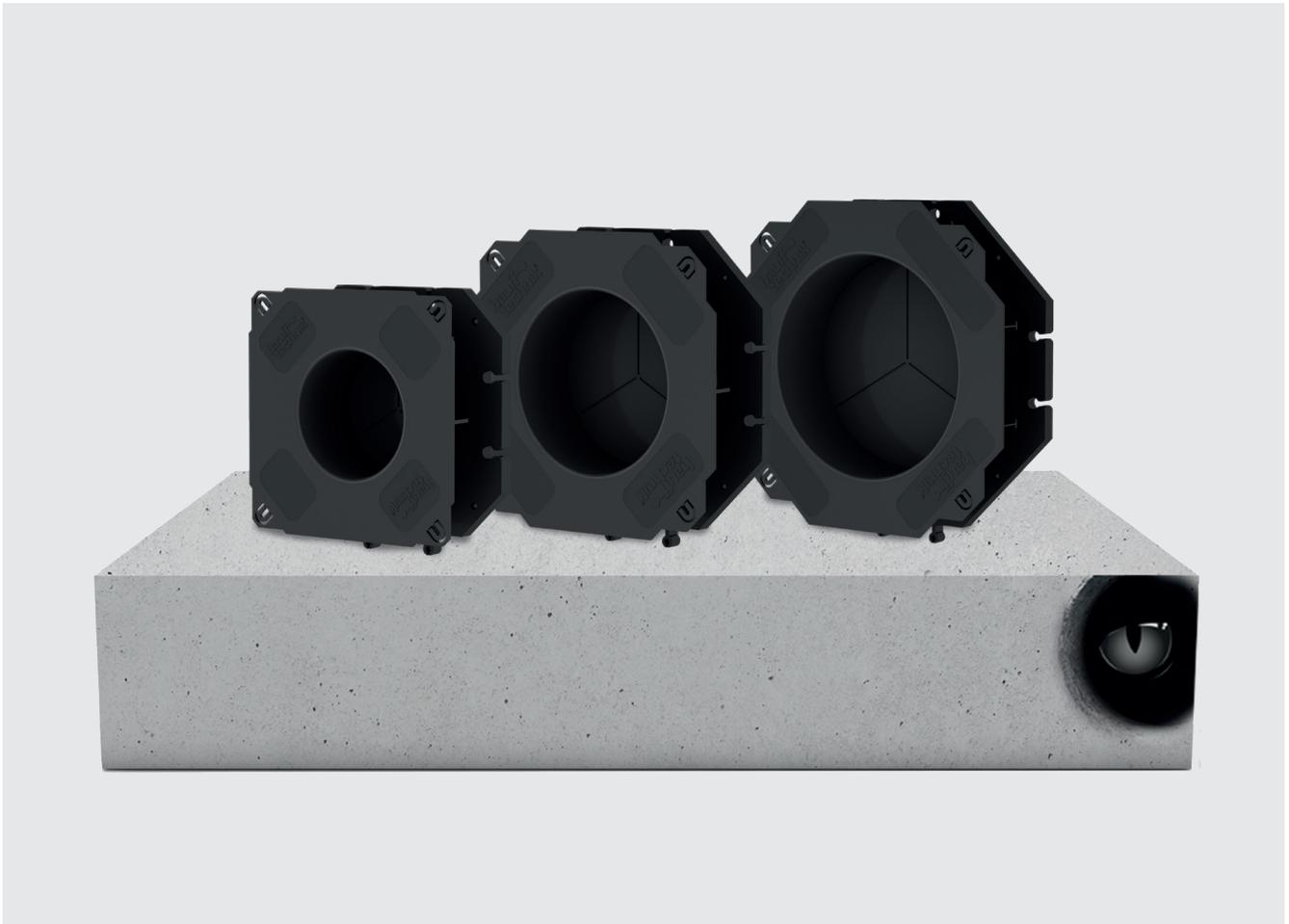


Always. Reliable. Tight.

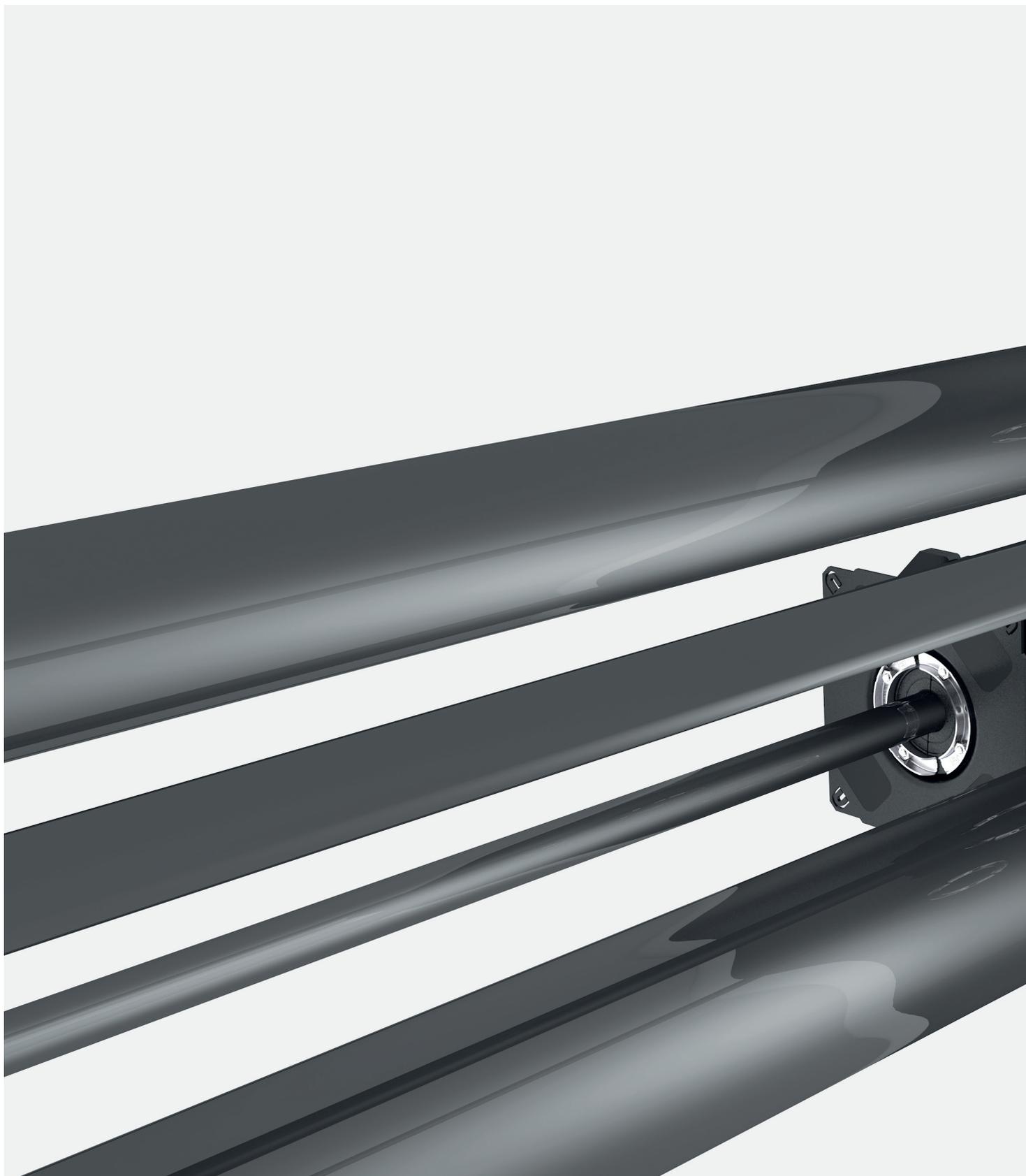


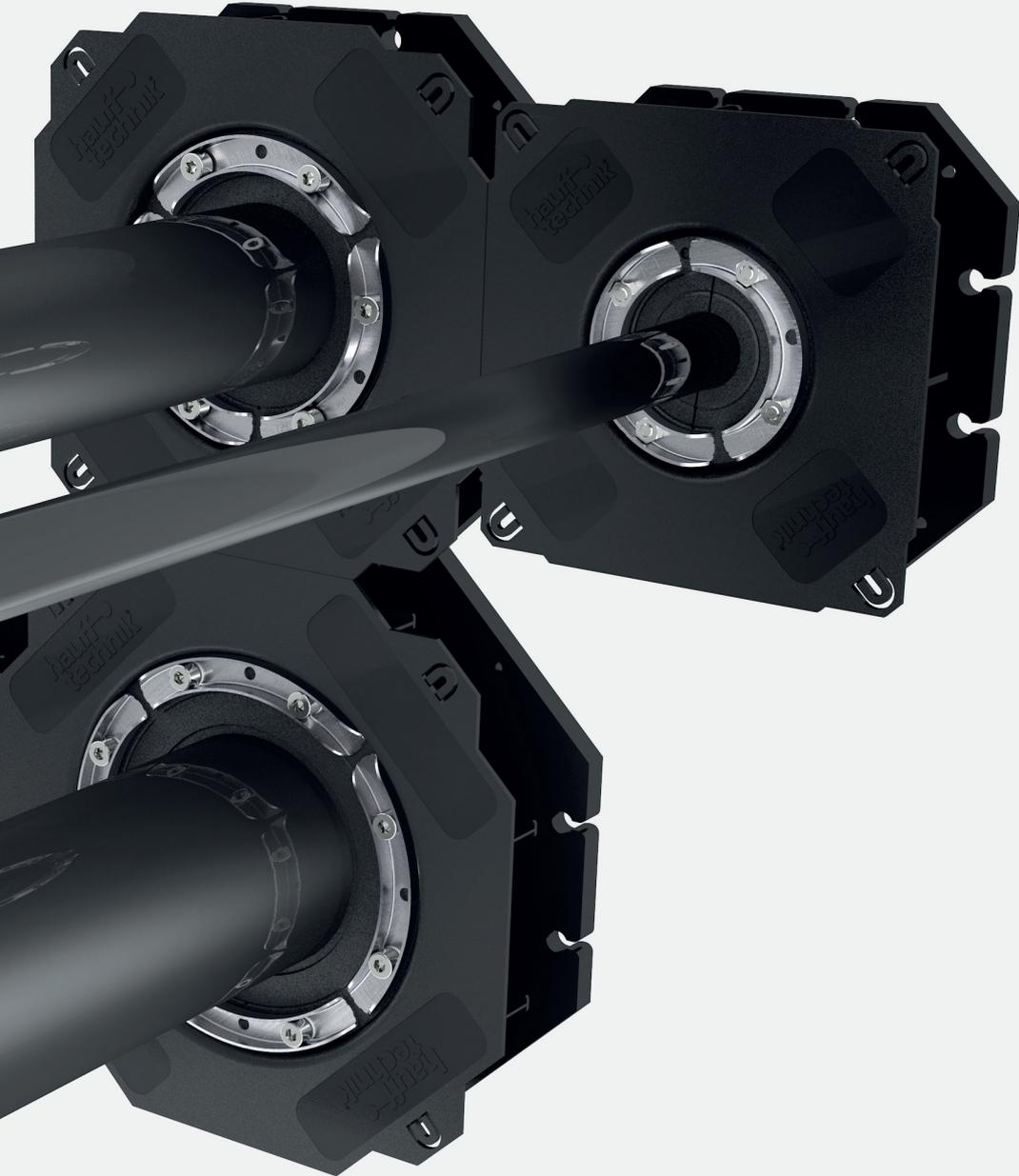
THE SMART WALL OPENING

BWS BELLMOUTH WALL SLEEVE

The smart wall opening

BWS BELLMOUTH WALL SLEEVE





CABLE DUCTS AND WASTE WATER PIPES ARE NO APPROPRIATE WALL SLEEVES

In spite of its obvious and well known disadvantages cable ducts and waste water pipes, which are available on site, are still considered to be an easy and cheap alternative to a professionally designed wall sleeve. Cable ducts and waste water pipes do not offer a reliable fastening possibility in the reinforcement and also show strong deformation after concreting, such that the use of standard press seals is not possible. This often requires the use of a cost intensive, individual sealing system.

Furthermore, smooth pipes without a water barrier do not form a watertight connection with the concrete, so that despite an intact seal in the pipe, water can ingress into the building between the pipe and the concrete.



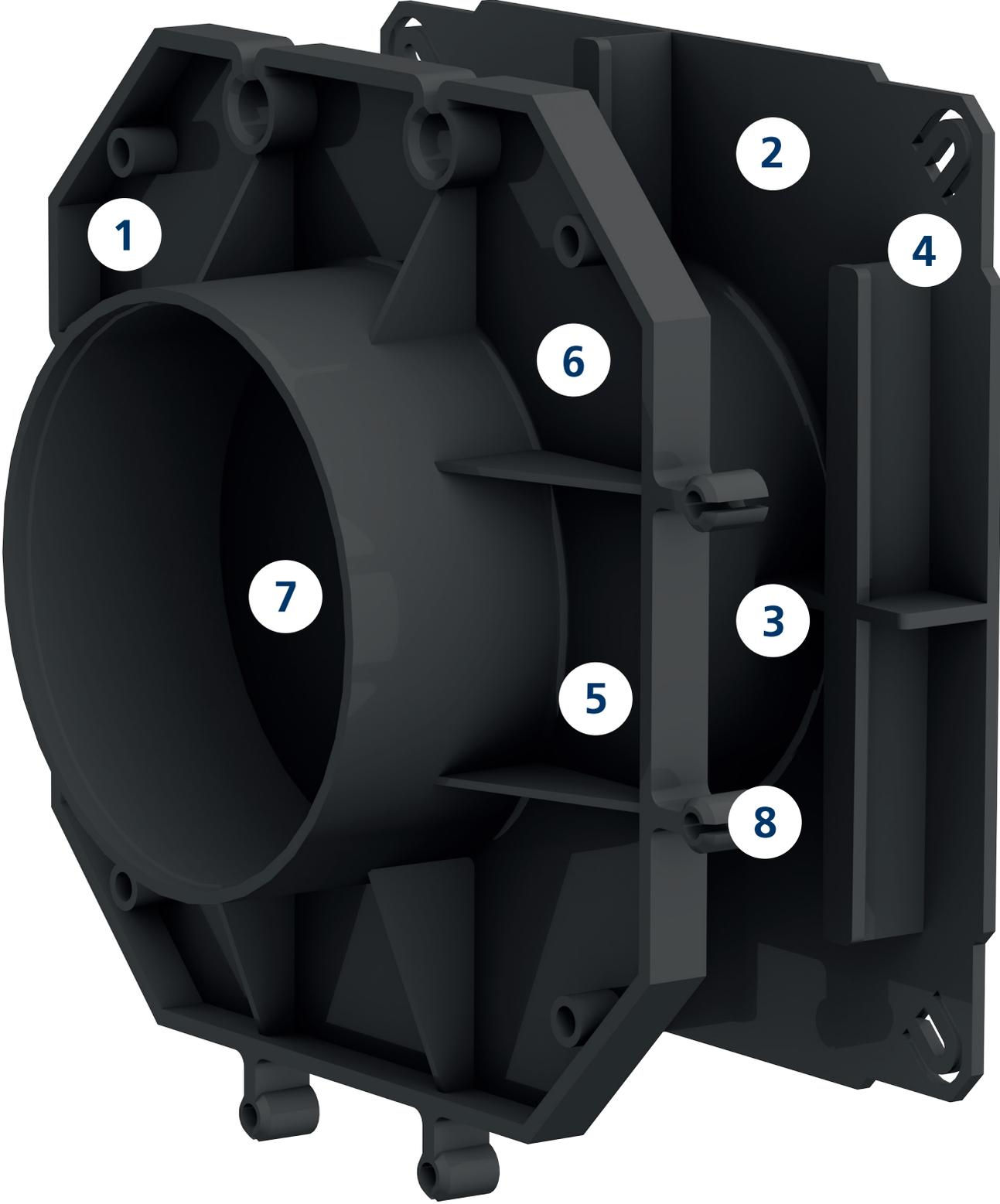
not watertight



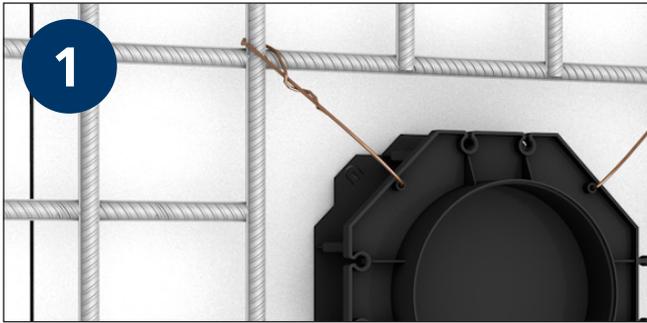
not uniform in shape



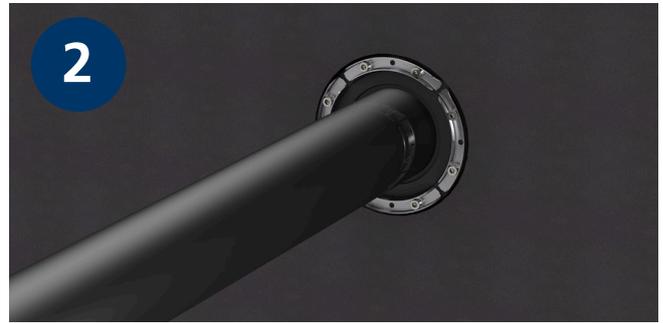
BWS BELLMOUTH WALL SLEEVE



THE REASON WHY WE ARE TALKING ABOUT THE SMART WALL OPENING



Lugs for a secure fastening in the reinforcement with tie wire.



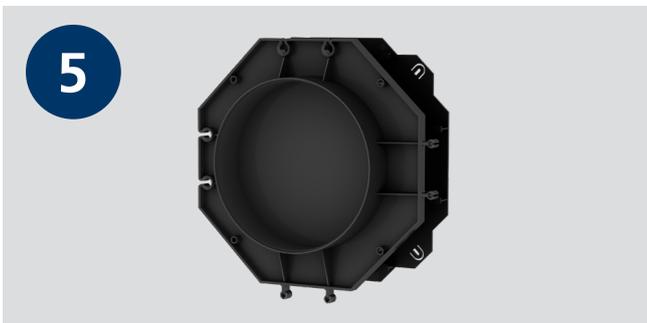
Integrated patch flange for the processing of polymer modified bituminous thick coatings.



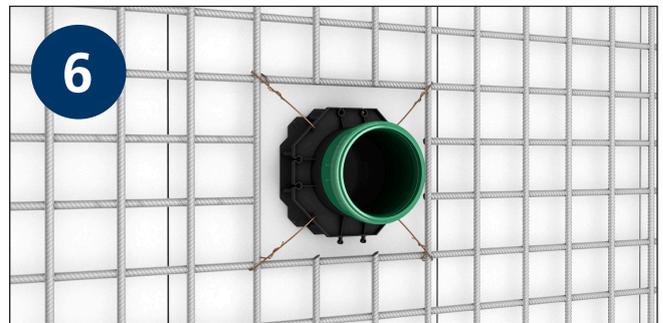
Integrated Bellmouth shape protects the cables from damage.



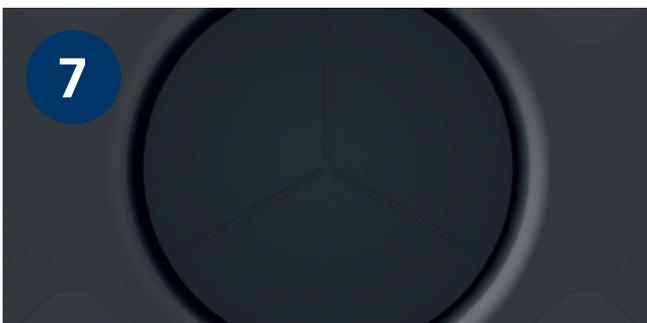
Nail lugs with break protection for easy fastening at the formwork.



Middle flange serves as water barrier.



Easy adjustment to the wall thickness on site.



Blind plate with threefold division for easy knocking in ensures a pressure tightness up to 1 bar right after concreting.



Frame connection system for easy creation of packages on site – compatible between all three sizes.

MAKING SURE YOUR WALL IS PERFECTLY SEALED FROM THE VERY BEGINNING

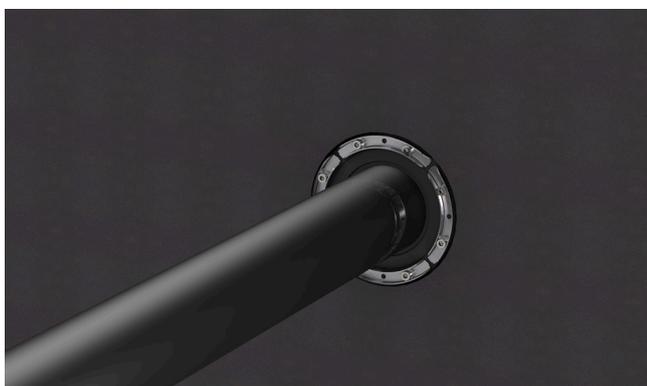
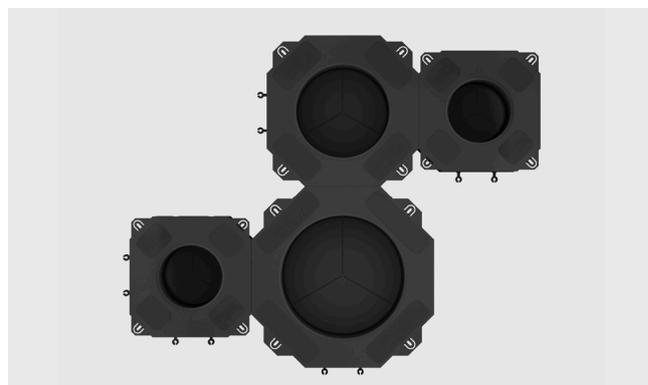
The Bellmouth Wall Sleeve BWS is a multi-talent which outweighs the advantages of a conventional wall sleeve. The middle flange serves as a water barrier and warrants a homogeneous connection to the concrete. Together with the blind plate it ensures a pressure-tightness up to 1 bar right after concreting. The frame connection system, which is integrated in the middle flange, allows on-site package building among all three sizes. Thus BWS is securely held in position also during concreting and the solid construction made from high quality ABS prevents deformation. The adjustment to the wall thickness is made by insertion of cable ducts available on site. Even for reserve openings BWS is perfectly suitable. Thanks to the blind plate, additional openings can be easily laid into the wall during the construction phase. These are ready for use by simply breaking through the blind plate. Thereby eliminating extra costs for retrofit core drillings or blind seals completely. Breaking through the blind plate is very comfortable, thanks to the trisection division. The patch flange additionally offers the possibility of processing polymer modified bituminous thick coatings.



watertight

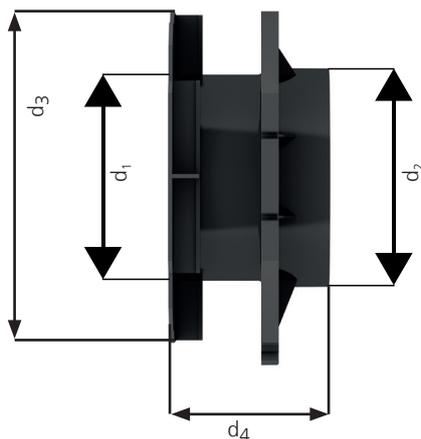


defined shape & position



Size measurement table
BWS BELLMOUTH WALL SLEEVE

BWS						
Wall sleeve ID, d_1 (mm)	Wall sleeve ID, d_2 (mm)	Patch flange OD, d_3 (mm)	Minimum wall thickness, d_4 (mm)	Article code	Article number	Figure
100	110	200x200	120	BWS 100/110	0827030100	
150	160	250x250	120	BWS 150/160	0827030150	
200	200	300x300	120	BWS 200/200	0827030200	



Hauff-Technik GmbH & Co. KG

Robert-Bosch-Straße 9
 89568 Hermaringen, GERMANY

Tel. +49 7322 1333-0
 Fax +49 7322 1333-999

office@hauff-technik.de