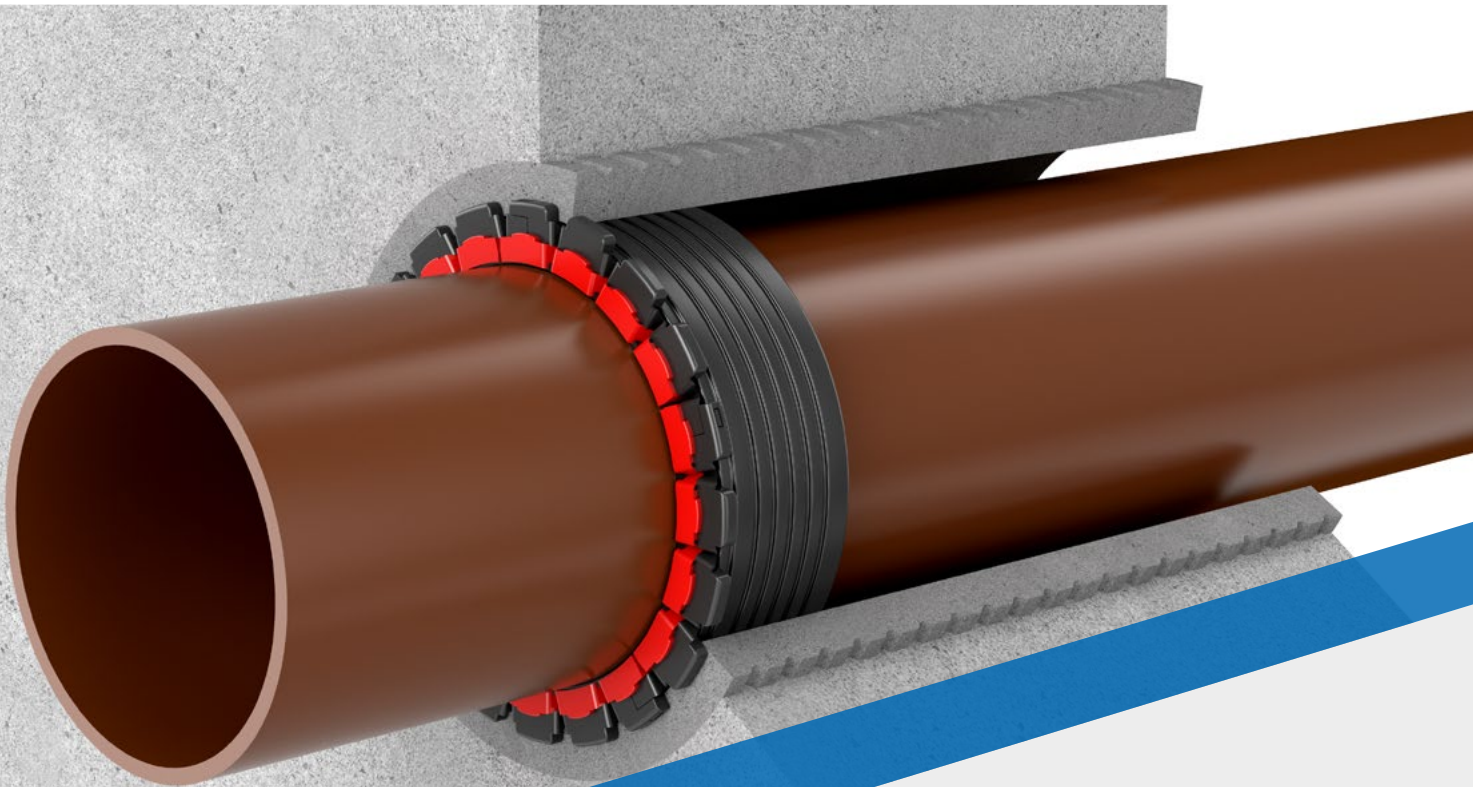




Funke Tap Press Seal

Feed pipes easily, quickly and tightly through

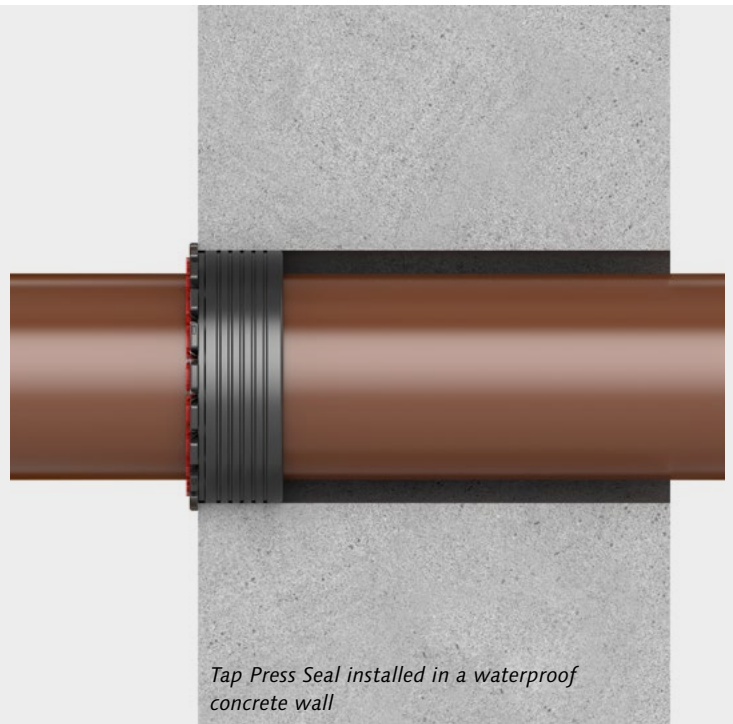


Funke Tap Press Seal

Fast, precise, right for the construction site



Tap Press Seal installed in a double element wall with insulation and liner



Tap Press Seal installed in a waterproof concrete wall

The product

An innovative annular gap pressing seal connection unit, the new Funke Tap Press Seal enables quick, tight and construction-site appropriate installation of pipe and cable feed-throughs in existing structures. It is suitable for waste water, cable protection, water or gas pipes and allows you to securely feed through cellar, hall or shaft structures ($\geq \text{DN } 1000$).

The seal consists of a robust EPDM sealing sleeve and polyamide tap segments. The forces are transferred to the circumferential seal by precisely hammering in the tap segments, which enables easy and secure positioning of connecting pipes. The pipes are not only sealed, but are also secured against shear and tensile forces. In addition to the use in shaft structures, the Funke Tap Press Seal can also be installed in watertight concrete walls and double element walls as well as in structures with sealing systems (tanking membrane) under certain conditions.

Flexible and simple installation

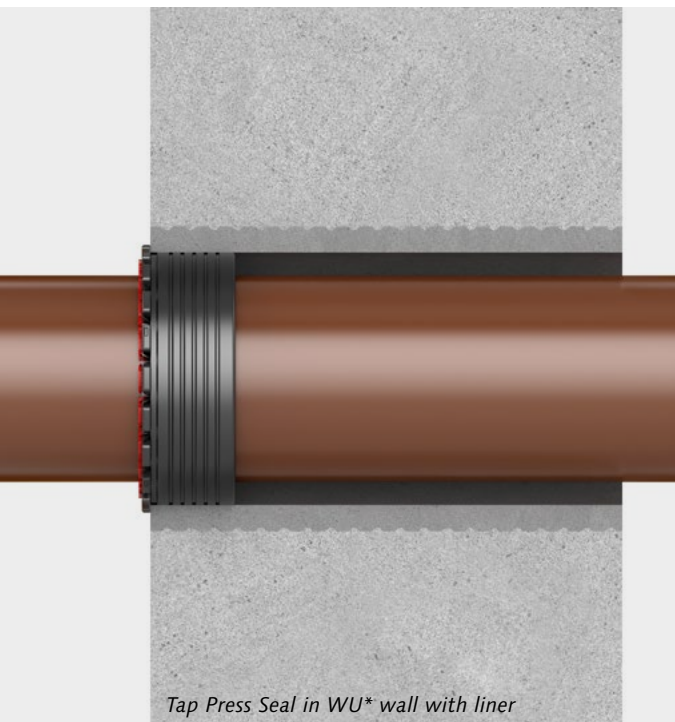
The seal's generous tolerance compensation enables flexible adaptation to different pipe diameters and structural conditions, even with slightly ovalised wall ducts. The absence of corroding steel parts ensure that the entire construction is corrosion-proof, which increases its longevity and reliability. With the option of a bend of up to 3° , the seal offers a high degree of flexibility during installation without compromising performance.

Integrated stop bars ensure precise and uncomplicated installation. First, the fed-through connecting pipe is temporarily fixed by moving the red crimping elements with thumb and index finger. A light blow with a hammer is then sufficient to drive the elements further forward and achieve an appropriate pressing. No special tools are required for this. This uncomplicated procedure allows quick and easy installation of the Tap Press Seal.

Installation in waterproof concrete walls

The use of Funke Tap Press Seals in watertight concrete walls offers an effective and reliable solution for demanding sealing requirements, which are regulated in the German Committee for Reinforced Concrete's (DAfStb) guideline for watertight concrete structures. When installing the Tap Press Seal, there are some important aspects that need to be taken into account on site to achieve the best possible result and a long service life.

The existing reinforcement is cut through when the necessary core bore is carried out. This step can cause cracks in the material, which must be sealed before inserting the Tap Press Seal. The reinforcing steel must therefore be protected against corrosion on site. To minimize the risk of cracks and enable a seamless installation, a liner can alternatively be used when pouring the waterproof concrete walls. This procedure eliminates the need for subsequent drilling of a core bore.



Advantages

- quick installation
- waterproof up to 2.5 bar
- angular deflection of 3° possible
- precise installation thanks to stop bars
- permanently corrosion-proof
- can be assembled without special tools
- gas-tight
- MFPA tested – based on FHRK GE101

Installation in double panel walls

The Tap Press Seal can also be used in double panel walls. The requirements and necessary measures are defined in the "WU-Richtlinie:2017-12" (Guideline for watertight concrete structures). A liner must then be professionally installed on site before inserting the Tap Press Seal.

Structures with waterproofing systems

The use of Funke Tap Press Seals in a tanking membrane requires special structural precautions to ensure effective and permanent sealing. These are regulated in DIN 18533. In the case of a tanking membrane, an external seal – usually a coat of paint or a bitumen membrane – prevents moisture from penetrating. With this in mind, care must be taken to ensure proper integration when drilling a core bore and inserting the Tap Press Seal (see also page 4).



*waterproof concrete wall

Funke Tap Press Seal

Conditions for installation



The Tap Press Seal is suitable for all commercially available pipe materials

Tanking membrane

When installing the Tap Press Seal in a tanking membrane, the following structural measures must be taken:

Pre-installation of a liner:

To create a suitable passage for the seal, a liner must be installed on site. The liner serves as a hollow body into which the Tap Press Seal is inserted and the media pipe is fed through. The liner must be installed in such a way that the outer seal can be properly integrated (bonding flange, liner with concave groove, flange or fixed/loose flange).

Please note:

Liners cannot be made from standard plastic sewer pipes.

For subsequently drilled core bores:

If a core bore is subsequently drilled in the outer waterproofing with a bitumen coating/thick coating, either a flange plate or a liner with a concave groove must be fitted on site. In the case of external sealing with a bitumen sealing sheet, a fixed/loose flange must be correctly fitted (installed) on site.

Connection pipe DN/ OD Tol. +2/-2 mm	Core bore: Tol. +2/-1 mm	Piece/ carton	Item no:
32 (30-34)	80 (79-82)	32	1601950001
40 (38-42)			1601950002
50 (48-52)	100 (99-102)	32	1601950003
63 (61-65)			1601950004
MULTI 0/25/32/40/ 50/63			1601950005
75 (73-77)	130 (129-132)	18	1601950006
90 (88-92)			1601950007
110 (108-112)	150 (149-152)	20	1601950008
125 (123-127)	165 (164-167)		1601950009
160 (158-162)	200 (199-202)	16	1601950010
180* (178-182)	230 (229-232)	15	1601950011
200 (198-202)	240 (239-242)		1601950012
200 (198-202)	250 (249-252)		1601950013
230 (228-232)	270 (269-272)		1601950014
250 (248-252)	300 (299-302)	8	1601950015
315 (313-317)	365 (364-367)	6	1601950016

* Other nominal diameters available on request.

This document is a translation of the German brochure. All mentioned approvals and standards pertain to those in Germany. For details on the corresponding approvals and standards in your country, please contact us.

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