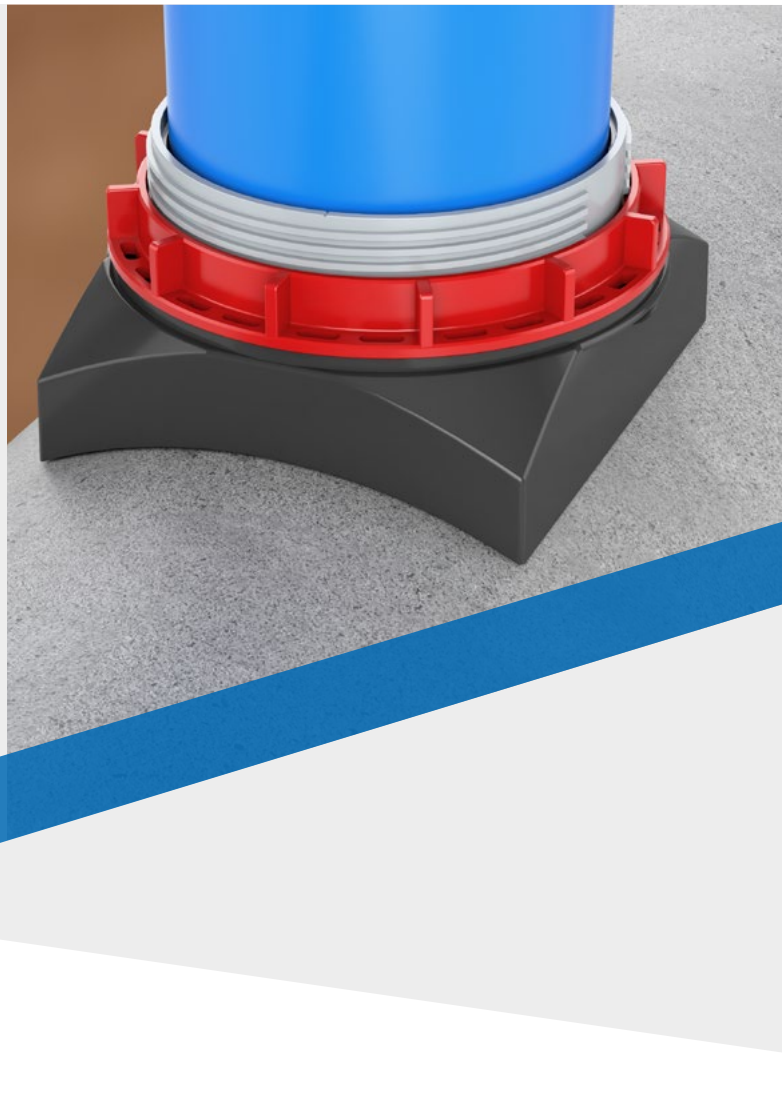
Funke Gruppe





Funke VPS Junction

DN/OD 200

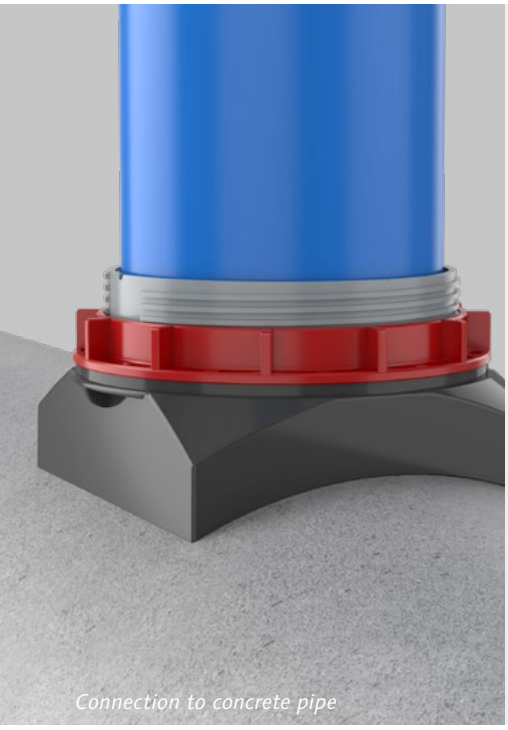
Subsequent secure integration

With approval from German Institute of Building Technology • DIBt-No. Z-42.1-607

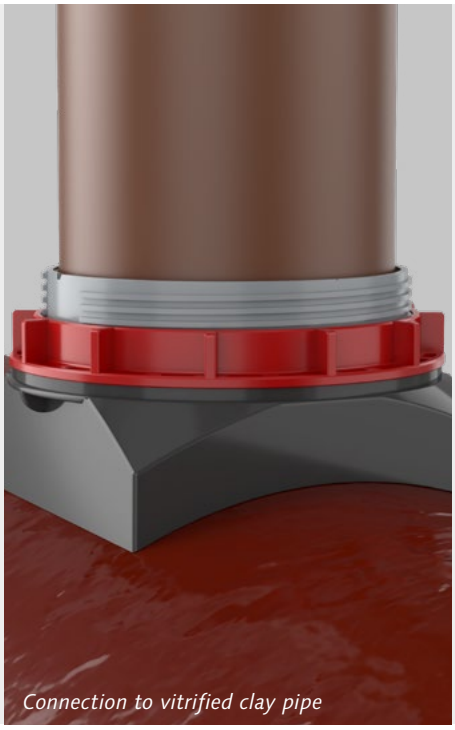


Funke VPS Junction

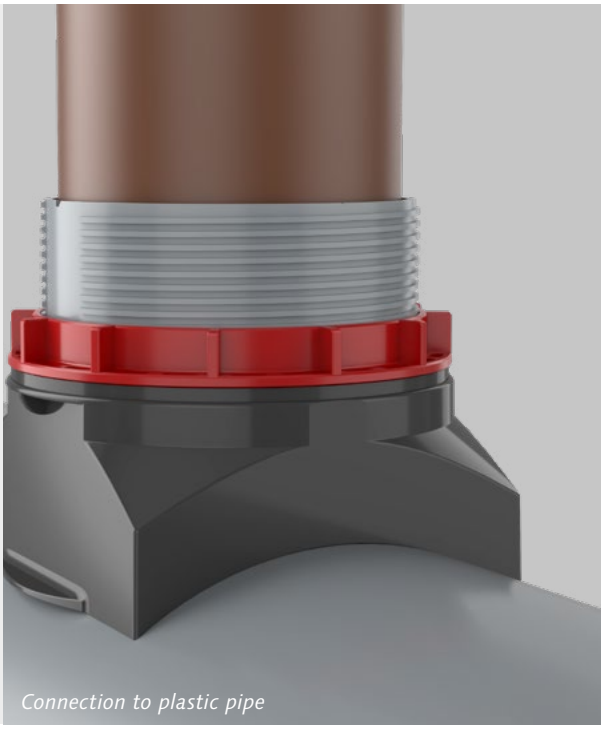
Secure positive and force-fitted connection



Connection to concrete pipe



Connection to vitrified clay pipe



Connection to plastic pipe

The lateral integration of sewer connection pipes into the main pipeline is an important consideration when planning and implementing drainage systems. With subsequent pipe couplings, these can be created with pinpoint accuracy. The variety of main pipe materials, types and wall thicknesses poses a demanding challenge.

The product

The Funke VPS Junction enables effortless retrofitting in sewer pipes with nominal diameters of 350–2800. This versatile solution works smoothly regardless of the wall thickness, whether it be concrete, vitrified clay or plastic sewer pipes.

Effective positive-fitting and forced-fitted connection

Thanks to its intelligent, unique design, the sealing collar of the connection adapts seamlessly to the inner contour of the bore side edge of the pipes requiring connection. The sealing collar, which is connected to the supporting structure of the VPS Junction, follows the curvature along this bore side edge and thus ensures a seamless and stabilising connection. Under the flexible sealing collar is a specially designed seal that is compressed evenly and over the entire surface. This creates an effective positive-fitting and forced-fitted connection.



Funke VPS Junction



Scope of delivery: Funke VPS Junction, concrete lubricant, brush and Installation Instructions

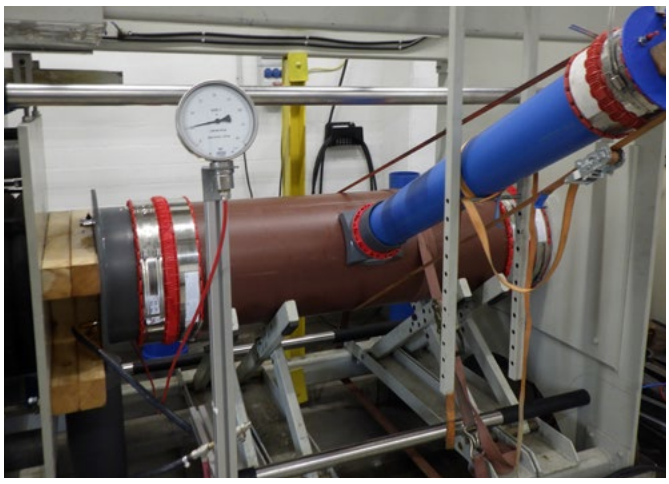
Funke VPS Junction

Item no.	Item description	Pipe wall thickness min.	max.	Main pipes DN	Core bore mm	Connection DN/OD
1601850003	Funke VPS Junction type A DN/OD 200	50 mm	120 mm*	350–2800	230 -0/+2	200
1601850004	Funke VPS Junction type B DN/OD 200	7 mm	80 mm*			

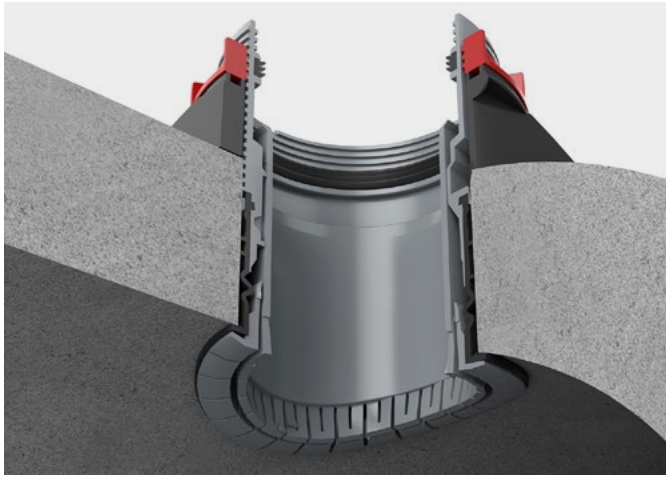
** above this pipe wall thickness, at least one extension piece must be used.*

Extension piece for Funke VPS Junction

Item no.	Item description	Effective length
1601850006	Funke VPS Junction type A DN/OD 200	70 mm



Internal leak test in accordance with DIN 4060 in Funke's own test rig



Optimum fit of the VPS Junction in the bore side edge

Advantages

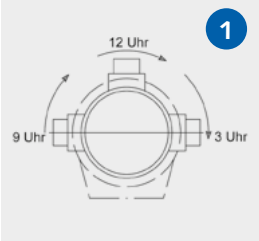
- Stepless adjustment of the radius for Main Pipes DN 350–2800, regardless of the wall thickness of the main pipes
- Compact design
- Suitable for wall thicknesses from 7 mm to almost any wall thickness
- Core bore size DN/OD 200: 230 mm
- Versatile application options
- Tested and confirmed in accordance with DIN 4060: resilient, tight and resistant to shear loads
- The connection is positive and forced-fitted to the main pipe and cannot be pulled out
- The flexible sealing collar can be adjusted in three dimensions
- The connecting pipe of the coupler can be continuously angled from 0° to 7°
- Installation is simple, quick and safe

Funke VPS Junction

Quick Installation Guide

All information about Funke sewer connections made of bio-attributed PVC-U can be found here:

Detailed installation instructions can be found at www.funkegruppe.com







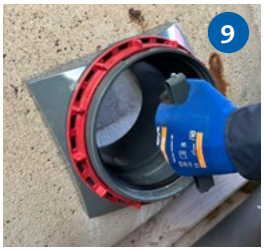














Depending on the nominal diameter, main pipe material and pipe type, a hand drill or a sewer core drill with a drill bit of 230 mm is used to install the VPS Junction. **Plastic and GRP pipes can only be drilled with a core bit that has a centring pin.**

The bore hole must be drilled centrally at a 90° angle to the pipe axis. Circular pipes can be drilled from the pipe crown or side in the space between 9 o'clock and 3 o'clock It is recommended to drill pipes with bottom and/or crown reinforcement at 9, 12 or 3 o'clock **(1)**.
Important: The VPS Junction must never be installed below 3 o'clock or 9 o'clock!

Plastic/GRP:

The centre of the bore hole is marked and pre-drilled. After drilling the core bore, deburr the edges of the bore side edge **(2)**.

Concrete/vitrified clay:

The drill is professionally fixed to the pipe. It is recommended to drill pipes with bottom and/or crown reinforcement at 9, 12 or 3 o'clock. Reducing the feeding speed of the drill bit in the last third of the bore hole prevents chipping. If the drill bit plunges completely into the inner pipe crosssection, no burr remains in the bore side edge **(3)**. Visible reinforcement in the bore side edge must be treated with corrosion protection.

From a pipe wall thickness of > 120 mm (TYPE A) or from a wall thickness of > 80 mm (TYPE B), one or more extension pieces must be used.

The seal of the Pipe Coupling and the bore hole are coated with the enclosed special lubricant. Next, the threaded wheel is screwed upwards, and the thread is also coated with lubricant **(4)**. The Pipe Coupling must be pressed into the bore hole so that the inner thrust rod runs at a 90° angle to the pipe axis **(5)**. Ensure that the lower seal folds back and slips into the bore hole without riding up. The Pipe Coupling is pushed towards the centre of the main pipe using the thrust rod in the Pipe Coupling, whereby the Pipe Coupling is pushed further into the bore hole.

If a clear "clicking noise" can be heard and the clamping sleeve cannot be pushed any further, it is engaged **(6)**. Check that the seal is folded out by pressing all the way round at . Then pull up the VPS Junction with both hands and tighten the threaded wheel by hand **(7)**. **When installing TYPE B,** the two lateral centring tongues plunge completely into the bore hole and the long sides rest against the pipe. The mounting crown is placed on the threaded wheel and tightened using the torque wrench **(8)**. The inner thrust rod is loosened by turning and then removed **(9)**. If the seal is flush with the inside of the main pipe, the lateral sewer connection is complete **(10)**.

03-2026 Subject to technical changes.

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.

Funke Kunststoffe GmbH
Germany
Tel.: +49 2388 3071-0
info@funkegruppe.de
www.funkegruppe.com