Funke Gruppe

New!

Funke Repair Junction
Funke Repair Pipes

Adapted internal diameter ensures
level-invert transitions to clay or concrete pipes

Perfect for Concrete, Clay, GRP,

Repair of Foul

Repair pipe 3 m

Junction DN/OD 250/200

Junction DN/OD 250/160

Junction DN/OD 200/160

Funke developed the repair junction and the repair pipe that serve to repair damaged sewage systems made of clay or concrete and to accommodate drainage and lateral drainage. Funke's innovation is significantly lighter than solutions that have so far been available, which use other materials. This noticeably improves handling at the construction site. The surface of the smooth-walled PVC-U pipes also ensures optimal hydraulics. A further structural property is just as remarkable: Thanks to their special production procedure, the internal diameters of the PVC-U match those of the clay or concrete pipes in question. This keeps the transition between the two materials at level-invert, which is important when adding a pipe liner during renovation work, for example.

For repairs and retrofitting

The repair junction (45°, including VARIOcoupler) and the repair pipe (lengths: 1.5 m and 3 m) are available in nominal diameters starting from DN 200 to DN 500; a 90° junction can be manufactured upon request. The repair pipe makes it extremely easy to replace damaged pipe sections: Once the damaged concrete or clay pipe has been removed, the repair pipe is integrated into the gap with VPC® Pipe Couplings. If a clay or concrete sewage system is required to accommodate a sewer connection at a later date, the repair junction is ideal for the job. Since drilling into pipes with nominal diameters of ≤ 300 mm should be avoided for structural reasons, it is generally recommended that such pipes instead be replaced when damaged. The repair junction, too, is integrated into the existing pipe section by means of the VPC® Pipe Couplings. Any gaps between the repair junction and the ends of the pipe can be closed using the repair pipe.

The internal diameters of the PVC-U pipes match those of the clay or concrete pipes.

Asbestos-Cement, Fibre-Cement

Sewer Pipelines made **easy**

Repair Junction

Nominal diameter		Code	Outer diameter DN/OD	Length [in mm]	Degree mark	Required VPC for clay	Required VPC for concrete
Main Pipe DN/ID	Connection DN/OD						
200	160	RA201645	218 mm	600	45	VPC 220	VPC 220
250	160	RA251645	275 mm	600	45	VPC 270	VPC 325
	200	RA252045		750			
300	160	RA301645	325 mm	750	45	VPC 382	VPC 455[3]
	200	RA302045		750			
	250[1]	RA302545		800			
400[2]	160	RA401645	450 mm	750	45	VPC 500	upon request
	200	RA402045		750			
	250[1]	RA402545		800			
	315[1]	RA403045		800			
500	160	RA501645	540 mm	750	45	VPC 625[4]	–
	200	RA502045		750			
	250[1]	RA502545		800			
	315[1]	RA503145		800			

VPC® Pipe Couplings have to be ordered seperately.

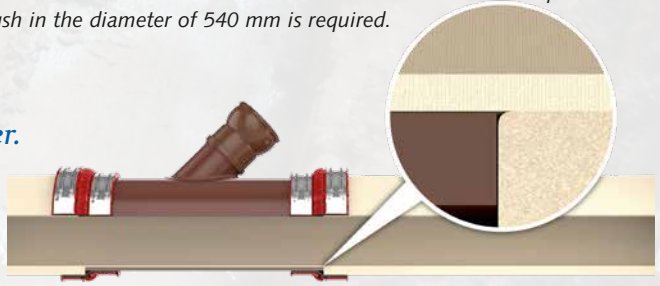
The Repair Junction is also available as a 90° T-Junction upon request. *[1]Delivery with Double Socket (instead of VARIOcoupler)*

Repair Pipe plain ended

Nominal diameter DN/ID	Code	Outer diameter DN/OD	Length [in mm]	Required VPC for clay	Required VPC for concrete
200	RR1500200	218 mm	1500	VPC 220	VPC 220
	RR3000200		3000		
250	RR1500250	275 mm	1500	VPC 270	VPC 325
	RR3000250		3000		
300	RR1500300	325 mm	1500	VPC 382	VPC 455[3]
	RR3000300		3000		
400[2]	RR1500400	450 mm	1500	VPC 500	upon request
	RR3000400		3000		
500	RR1500500	540 mm	1500	VPC 625[4]	–
	RR3000500		3000		

[2]Colour blue
[3]Additionally, for this nominal diameter one bush in the diameters of 325 mm and one in 355 mm are required.
[4]Additionally, for this nominal diameter one bush in the diameter of 540 mm is required.

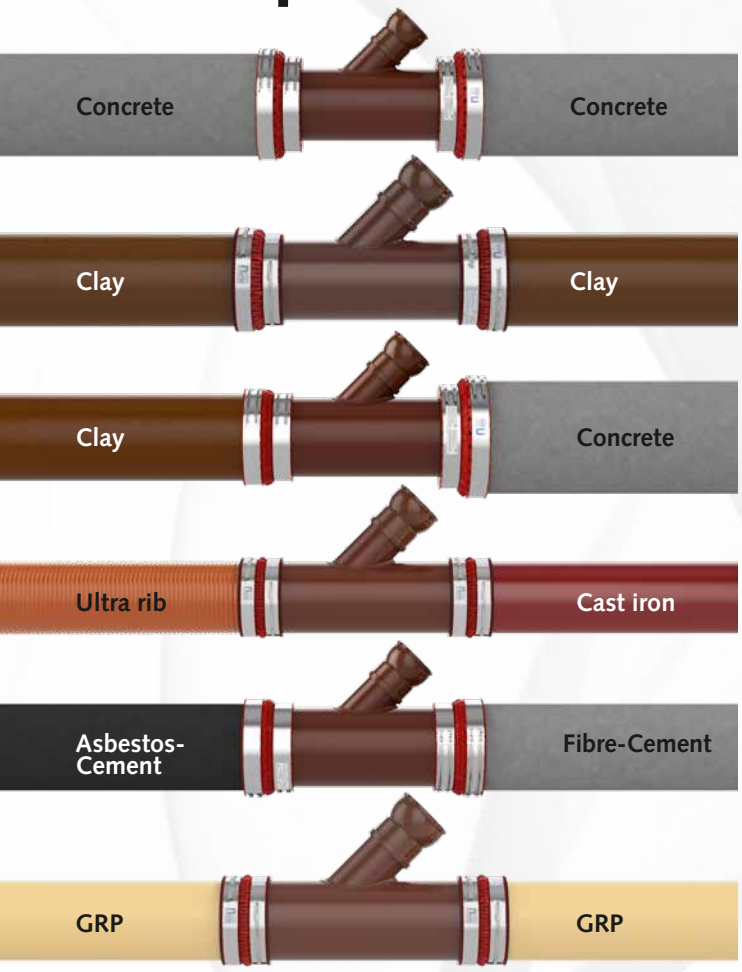
Level-invert transition – an important prerequisite for the renovation with a liner.



Repairing damaged sewage systems and accommodating sewer connections at a later date are quick and easy using the repair junction and repair pipe.

Repair Junction and Repair Pipe:

For **replacement** and **retrofitting**



The proper installation of the repair junction and/or repair pipe is remarkably easy. Two VPC® Pipe Couplings in the nominal diameter range of the existing pipe (not included in the delivery contents) are needed for the procedure. In preparation, cut out the defective sections of the concrete or clay pipelines and remove any sockets. The next step is to clean the cut and remove all sharp edges. Then shorten the repair junction or repair pipe to the required length and push the VPC® Pipe Coupling onto both ends. To achieve perfect seating, mark the existing pipe at both ends (at one-half the length of the VPC® Pipe Coupling). The PVC-U can then be inserted into the pipeline and the VPC® Pipe Coupling pushed onto the existing pipe to the mark on each side. Finally, tighten the pipe coupling with a suitable tool. Remember: The VPC® Pipe Coupling is first tightened onto the existing pipe, then onto the plastic pipe. For VPC 290 or larger, the procedure requires a tangential spanner tool (part of the Funke VPC range).

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