

**AVK** STAINLESS STEEL REPAIR CLAMPS



**QUICK, RELIABLE  
& SUSTAINABLE REPAIR**

Expect... **AVR**



# QUICK REPAIR TO PREVENT SERIOUS PROBLEMS AND UNNECESSARY WATER LOSS



A damaged water pipe should be repaired as soon and safe as possible to avoid serious problems. A quick, reliable and sustainable repair is necessary. AVK's stainless steel repair clamps are the solution to repair almost all damaged pipes.

The wide product range of AVK repair clamps ensures you of the best solution, whether the damage is simple or complicated, regardless of the pipe material. Our repair clamps are suitable for (stainless) steel, copper, asbestos cement, ductile - and cast iron, GRP and PVC pipes with pipe diameters from DN 40 up to 1000 mm up to a pressure of 16 bar. On request we can also produce repair clamps up to DN 2000 mm.

The options to solve your leakage problem are virtually unlimited, with various clamp lengths and large tolerances on the outside pipe diameter, the possibility of flanged or threaded branches and the choice of different rubbers and grades of stainless steel.

The quality of AVK repair clamps is beyond question as each repair clamp is completely pickled and passivated after welding for the best corrosion resistance. Furthermore, the gasket has an elongated wafer structure and the spannerplate is vulcanized for an optimal circumferential sealing. In addition, the AVK Rewag factory in the Netherlands, where the repair clamps are produced, is ISO 9001 and ISO 14001 certified and achieved level 4 on the CSR Performance Ladder. And finally, the AVK repair clamps have several product and material approvals, including Kiwa according to BRL-K777.



## YOUR PRODUCT BENEFITS

### Universally, durable and sustainable

- To be used for almost any pipe material
- Corrosion resistant due to complete pickling and passivating after welding of the clamp
- Optimal sealing due to vulcanized spanner plate and elongated wafer structure of the gasket
- Yellow passivated nuts to avoid galling
- AVK GUMMI gaskets

### Easy, quick and safe installation

- Ready-to-install product for simple and quick installation
- No time-consuming preparation and no special installation tools
- Lightweight and no sharp edges or angles
- No loose parts that can be lost during assembly

### Versatile applications and wide range

- Suitable for under pressure and pressureless repairs
- For both under- and above ground
- A huge variety of repair clamps for the best solution

# YOUR AVK BENEFITS

## One-stop-shop

At AVK we give our customers "one-stop-shop" service. In addition to our stainless steel repair clamps, AVK offers a complete range of valves, hydrants, fittings and accessories to fit every need and complying with the highest standards of performance, safety and durability. Our dedicated sales department will be happy to advise and assist you.

## 10-year warranty

AVK manufactured products are guaranteed against defects in workmanship and material used for a period of 10 years.



## AVK GUMMI

AVK's own rubber factory AVK GUMMI manufactures for more than 40 years high performance rubber components for demanding applications. Particularly for the technical and chemical industries, the energy sector, the drinking water sector, the food industry and the healthcare industry. AVK GUMMI is among the world leaders in these areas. The manufacturing system includes control of each rubber compound, full traceability, SPC control, FMEA and an extraordinarily clean production environment.



*Before repair*



*After repair*

# AVK REPAIR BOX

For urgent repairs and reducing stock, the AVK Repair box is the solution. The repair box is filled with standard shell sections, which you can combine into a complete repair clamp, to carry out urgent repairs on pipes with diameters between 86 and 1475 mm. A big advantage of the repair box is the stock reduction; instead of having a stock of different complete repair clamps, you have a clever combination of limited shell sections that can be used for the same range of pipe diameters for repair.

After using shell sections for repair, you can refill the repair box with new shell sections, which you can order separately from us. Depending on your situation you can select the width of the standard shells which suit you the best. They are available in four widths: 300, 400, 500 or 600 mm. Also, you can choose if you prefer EPDM or NBR rubber sealing and the grade of stainless steel (AISI 304L or AISI 316L).



# PRODUCT OVERVIEW STANDARD REPAIR CLAMPS

Type	Pipe DN, mm	Lengths, mm	Pressure PN	OD Tolerance
<b>Repair clamp series</b>				
FS 10, single band	40 - 350	100 - 500	16 to 6	max. 12 mm*
FS 20, double band	80 - 600	200 - 800	16 to 6	max. 24 mm*
FS 30, triple band	300 - 1000	300 - 800	10 to 3	max. 36 mm*

\* Depending on pipe diameter

Material sealings	EPDM	NBR	FKM (on request)
Temperature range	- 40° C up to + 120° C	- 40 C up to + 100 C	- 20° C up to + 250° C

Material specifications	Clamp/body	Finger/Stud	Nuts
Standard	AISI304L	AISI304L	Stainless Steel A4
On request	AISI316L	AISI316L	Stainless Steel A4

**Note:** Please contact our sales department if you require repair clamps in larger diameters, larger lengths and/or other pressures. They will be happy to advise and assist you.

## OTHER REPAIR SOLUTIONS

### Repico® repair couplings

For repairs of damaged or broken pipelines with higher pressures the Repico® repair couplings are the solution for your problem. The Repico® repair couplings are suitable for all pipe materials. Depending on pipe diameter the stainless steel Repico® repair couplings can be used for pressures between 42,7 and 7,2 bar. The AVK GUMMI splitted seals with progressive sealing guarantees a tight sealing, even under the harshest conditions. The repair clamps are available for nominal pipe diameters from 13 mm up to 2000 mm, in two versions, hinged or with locks, and are easy to install.

### Encapsulation Collars

Encapsulation collars are used for safe repair of all types of pipes and pipe connections while the pipeline is under pressure. AVK Hydro-Cos has developed a wide range of universal and dedicated collars for the repair of pipe sockets and can also offer completely customised solutions. The standard encapsulation collars are made of fabricated carbon steel with fusion bonded epoxy coating, and the coating as well as the rubber seals in contact with water are WRAS approved. They are designed with a flange outlet suitable for hot tapping and drainage of water, and air vent for the release of air as the last step of the installation. In addition to the substantial standard range of up to DN2000, the collars can be delivered with stainless steel body and/or stainless steel fasteners, for higher pressure ratings, up to DN3000, and in a customised design.



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