

**Stainless steel repair clamps for repair  
of pipelines and for under pressure  
or pressureless tapping  
15 mm – 1000 mm**

# Multi/Clamp



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Damaged water or gas pipes can cause major problems! Damaged pipelines have to be repaired as soon and as safe as possible to prevent the loss of water or gas. So you need a solution that ensures a quick, safe and lasting repair. After all, repairs are costly. We offer you the solution! Our long lasting and maintenance free Multi/Clamp repair clamps repair almost any damaged pipe!



## Repair clamps for pipes up to 1000 mm

### For each type of damage we offer you the solution

The Multi/Clamp product family consists of wide range repair clamps made of stainless steel, that can repair minor and major damages regardless of the pipe material. Ductile iron, grey cast iron, steel, asbestos cement, all kinds of plastics, the Multi/Clamp product family offers a repair clamp for each pipe material. With Multi/Clamp under pressure or pressureless repairs can easily be done, limiting the loss of water or gas. When repairs are done under pressure the delivery to the end user is not interrupted and the end user does not notice the repair.

The repair clamps consist of one or more clamp sections that are partially or completely covered with a rubber gasket, that seals the leak. Thanks to the clamp sections the repair clamps can be used on pipe diameters from 15 mm up to 1000 mm. All Multi/Clamp products are quick, safe and simple to

install. The stainless steel housing of the clamps is corrosion resistant and long lasting. The Multi/Clamp offers a solution for any type of repair whether under or aboveground.

### Fields of application

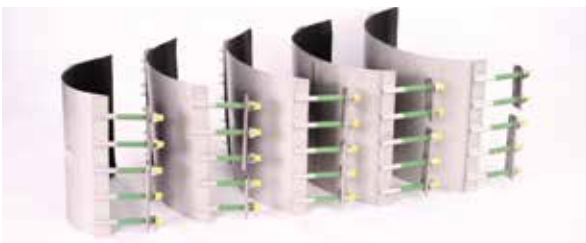
- Water transport
- Water distribution
- Gas distribution
- Waste water applications
- Maintenance and repair
- Industrial applications

## Your benefits

- Quick, safe and simple installation
- Suitable for under pressure and pressureless repairs
- A wide variety of stainless steel repair clamps and saddles
- Corrosion resistant and long lasting thanks to the stainless steel housing
- Suitable for virtually all pipe materials such as steel, AC, (ductile) cast iron and all kinds of plastics
- Applicable for under and aboveground use

## Reduce your stock with the Multi/Clamp Combi Box

The Multi/Clamp Combi Box is a repair system. It consists of several shell sections. The shell sections can be combined into one complete repair clamp to do an emergency repair. The biggest advantage of the Multi/Clamp Combi Box is that you can reduce your stock. It consists of 5 shell sections in different dimensions, which allow a repair of pipes in the range of 91 mm – 780 mm. For an emergency repair you have everything at hand. After use the Multi/Clamp Combi Box can be replenished with new shell sections. The shell sections can be ordered separately to complete the Multi/Clamp Combi Box for a future emergency repair (see table).



# The highest quality

A lot of attention is paid to the production process of Multi/Clamp. The repair clamps are produced in an environment where only stainless steel is being processed. The risk of contact corrosion is excluded. In addition, all parts are welded by special welding robots and are passivated to maintain corrosion resistance. A constant high level of quality is guaranteed for a long term repair solution.

**+ Stainless steel repair clamps for quick, safe and simple installation**





# For all kinds of repairs, large and small

## Small repairs

For small(er) repairs we have two economically priced clamps available. The Multi/Clamp **Snap** and Multi/Clamp **Midi**. Both repair clamps are partially covered with a rubber gasket on the inside, making them ideal for repairing minor damages, caused by e.g. frost or corrosion. The Multi/Clamp Snap is made from stainless steel A2 (AISI 304) with cast iron lugs and is only suitable for aboveground use. The Multi/Clamp Midi is also made of stainless steel A2 (AISI 304) and can be used both under and aboveground. Both the Multi/Clamp Snap and the Multi/Clamp Midi are available in various lengths and suited for various operating pressures.

## Large repairs

For large(r) repairs on heavily damaged pipe surfaces, whether under or aboveground, the Multi/Clamp **Single**, **Double** and **Triple** offer a solution. These three clamps differ in the number of clamp sections the repair clamp is made of; the more clamp sections, the bigger the range of the repair clamp. The Multi/Clamp Single, Double and Triple are made of stainless steel A2 (AISI 304) and on the inside they are completely covered with a rubber gasket for optimal sealing. The clamps are available in various lengths and suited for various operating pressures.

## Tapping and branching off

For (hot) tapping a number of solutions are available. The Multi/Clamp **Saddle Studs**, Multi/Clamp **Thread** and Multi/Clamp **Flange**. The Thread is a clamp section fitted with a threaded outlet (up to 4") that fits on the Multi/Clamp Single, Double and Triple. The Multi/Clamp Saddle Studs is effectively the same, but is an economically priced alternative. The Multi/Clamp Flange is a clamp with a flanged outlet (up to DN400), mainly used for making branches. The flanged clamps are designed in such a way that the clamp sections can take sufficient tension to make the installation of hydrants and valves possible. Almost all clamps with a flange are fitted with a stainless steel reinforced ring in the branch gasket.

# All at hand

The Multi/Clamp Combi Box consists of 5 shell sections in different dimensions, which allow a repair of pipes in the range of 91 mm – 780 mm. When combining two Multi/Clamp Combi Boxes you can even repair pipes

up to 1146 mm. The individual shell sections have been marked A, B, C, D and E. The standard length is 400 mm.

Section	Range (mm)		Pipe ø <sup>1)</sup> (mm)				PN (bar)	
	Min.	Max.	Steel	C.I.	AC	PVC <sup>2)</sup>	Water	Gas
A	91	- 98		98	98		16	6
B	111	- 121	114	118			16	6
C	131	- 141	139			140	16	6
D	162	- 172	168	170			16	6
E	193	- 203				200	16	6
A B	213	- 233	219	222	228	225	16	6
A C	233	- 253	244	248	238	250	16	6
B C	253	- 273			268		10	4
A D	264	- 284	273	274	280	280	10	4
B D	284	- 304		284			10	4
A E	295	- 315		304			10	4
C D	304	- 324				315	10	4
B E	314	- 334	323	326			10	4
C E	335	- 355			350		10	4
D E	366	- 386		378			10	3
A B C	354	- 384	355	378		355	10	3
A B D <sup>3)</sup>	386	- 416	406		410	400	10	3
A C D <sup>3)</sup>	406	- 436		429	414		10	3
A B E <sup>3)</sup>	416	- 446			416		10	3
B C D <sup>3)</sup>	426	- 456			452		10	3
A C E <sup>3)</sup>	436	- 466	457		460		10	3
B C E <sup>3)</sup>	456	- 486		480	468		10	3
A D E <sup>3)</sup>	467	- 497		480			10	3
B D E <sup>3)</sup>	487	- 517	508			500	10	3
C D E <sup>3)</sup>	508	- 538		532	522		10	3
A B C D <sup>3)</sup>	527	- 567		558			6	1
A B C E <sup>3)</sup>	558	- 598	559		580		6	1
A B D E <sup>3)</sup>	589	- 629	609				6	1
A C D E <sup>3)</sup>	609	- 649		632		630	4	0,5
B C D E <sup>3)</sup>	629	- 669		656			4	0,5
B D D E <sup>3)</sup>	661	- 701		685			2	0,5
E E B A A <sup>3)</sup>	720	- 770		738	720		2	0,5
A B C D E <sup>3)</sup>	730	- 780					2	0,5
E E C B A <sup>3)</sup>	761	- 811	762				2	*
E E D C B <sup>3)</sup>	833	- 883		842	840	800	2	*
E E D C C <sup>3)</sup>	853	- 903	864			900	2	*
E E D C B A <sup>3)</sup>	934	- 994		945	950		2	*
E E D D B A <sup>3)</sup>	965	- 1025	1016			1000	1	*
E E D D C C <sup>3)</sup>	1026	- 1086		1048	1060		1	*
E E D C C B A <sup>3)</sup>	1076	- 1146					1	*

1) examples of most common pipe sizes; 2) for use on plastic pipes please consult your supplier; 3) if the damage is ≥ 100 mm, it is only suitable for emergency repair; \* on request

# Technical specifications

## Specifications Multi/Clamp family



Clamp	Stainless steel A2 (AISI 304) or stainless steel A4 (AISI 316L).
Gasket	Water and gas: NBR according to EN 682 (-10°C up to +70°C). Potable water: EPDM according to EN 681-1 (-10°C up to +55°C). Other gaskets on request.
Branch Gasket	All branches are equipped with a special rubber ring. Larger sizes have a reinforced upper shell for the rubber ring.
Bridge plate	Vulcanized into the rubber gasket.
Lifter bar	U shaped.
Bolts, nuts and washers	Stainless steel A2 (AISI 304) or stainless steel A4 (AISI 316) if the body is made of stainless steel A4 (AISI 316L). Bolts are PTFE coated.
Range*	For outside pipe diameters 15 mm up to 1000 mm. * For details please check the product catalogue or contact your supplier.
Length*	75 mm - 750 mm. * For details please check the product catalogue or contact your supplier.
Thread	According ISO / DIN (ISO R7 / EN 10226) or BSP (ISO 228). Specially designed outlets (such as GLW / Polsafe) are available on request. The outlets are air tested after welding.
Flange drilling	Pattern: standard PN10 according to EN 1092-2. PN16 and others on request.
Pipe material	Suitable for the following pipe materials: steel, (ductile) cast iron, AC, PVC*, PE* and GRP*. * For the use on plastic pipes please contact your supplier.
Working pressure (PFA)*	Up to 16 bar water. Up to 8 bar gas. * For details please check the product catalogue or contact your supplier.
Certificates	ACS (France), WRAS (United Kingdom) and others.

## Specifications Multi/Clamp Snap



Clamp	Stainless steel A2 (AISI 304).
Gasket	Water and gas: NBR according to EN 682 for water and gas pipelines (-10°C up to +70°C). EPDM on request.
Bolts	Special shaped steel mushroom bolts. Bolt size M10 up to 2" and M12 for larger sizes. Material according to class 4.6, surface sherardized with 5 µm zinc.
Lugs	Ductile iron GGG40 according to DIN 1693 or malleable iron GTW40 according to DIN 1692, surface sherardized with 15 µm zinc.
Nuts	Hexagon: according to DIN 934, class 5, surface galvanized with 5 µm zinc.
Washers	According to DIN 125a, surface galvanized with 5 µm zinc.
Pipe material	Suitable for the following pipe materials: steel, (ductile) cast iron and copper.
Working pressure (PFA)*	Up to 16 bar water. Up to 4 bar gas. * For details please check the product catalogue or contact your supplier.

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