10/06/2026
VCARCXXRPK853

RepLINK - Stainless steel repair clamp Type T, U and Z

Repair clamp (triple band)

Repair clamp (triple band)

ØDE mini (mm)	ØDE maxi (mm)	PFA	Type	Version	Mass (kg)	References
300	330	7 bar	T	3 x L=200 mm	12.20	MRY30CAXHEN
330	360	6 bar	T	3 x L=200 mm	12.20	MRY33CAXHEN
360	390	5.5 bar	T	3 x L=200 mm	12.80	MRY36CAXHEN
390	420	4 bar	T	3 x L=200 mm	12.80	MRY39CAXHEN
420	450	3.5 bar	T	3 x L=200 mm	13.60	MRY42CAXHEN
450	480	3 bar	T	3 x L=200 mm	13.70	MRY45CAXHEN
480	510	2.5 bar	T	3 x L=200 mm	13.80	MRY48CAXHEN
510	540	2 bar	T	3 x L=200 mm	13.80	MRY51CAXHEN
540	570	2 bar	T	3 x L=200 mm	13.90	MRY54CAXHEN
570	600	2 bar	T	3 x L=200 mm	14.30	MRY57CAXHEN
600	630	2 bar	T	3 x L=200 mm	14.40	MRY60CAXHEN
630	660	2 bar	T	3 x L=200 mm	14.40	MRY63CAXHEN
660	690	2 bar	T	3 x L=200 mm	14.70	MRY66CAXHEN
690	720	2 bar	T	3 x L=200 mm	15.40	MRY69CAXHEN
720	750	2 bar	T	3 x L=200 mm	15.50	MRY72CAXHEN
300	330	7 bar	U	4 x L=300 mm	18.20	MRY30CAXHGN
330	360	6 bar	U	4 x L=300 mm	18.40	MRY33CAXHGN
360	390	5.5 bar	U	4 x L=300 mm	18.70	MRY36CAXHGN
390	420	4 bar	U	4 x L=300 mm	19.20	MRY39CAXHGN

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ØDE mini (mm)	ØDE maxi (mm)	PFA	Type	Version	Mass (kg)	References
420	450	3.5 bar	U	4 x L=300 mm	19.50	MRY42CAXHGN
450	480	3 bar	U	4 x L=300 mm	19.70	MRY45CAXHGN
480	510	2.5 bar	U	4 x L=300 mm	19.90	MRY48CAXHGN
510	540	2 bar	U	4 x L=300 mm	20.00	MRY51CAXHGN
540	570	2 bar	U	4 x L=300 mm	20.80	MRY54CAXHGN
570	600	2 bar	U	4 x L=300 mm	21.40	MRY57CAXHGN
600	630	2 bar	U	4 x L=300 mm	21.60	MRY60CAXHGN
630	660	2 bar	U	4 x L=300 mm	21.70	MRY63CAXHGN
660	690	2 bar	U	4 x L=300 mm	22.40	MRY66CAXHGN
690	720	2 bar	U	4 x L=300 mm	22.60	MRY69CAXHGN
720	750	2 bar	U	4 x L=300 mm	23.20	MRY72CAXHGN
300	330	7 bar	Z	7 x L=500 mm	31.30	MRY30CAXHHN
330	360	6 bar	Z	7 x L=500 mm	31.80	MRY33CAXHHN
360	390	5.5 bar	Z	7 x L=500 mm	32.20	MRY36CAXHHN
390	420	4 bar	Z	7 x L=500 mm	33.00	MRY39CAXHHN
420	450	3.5 bar	Z	7 x L=500 mm	34.10	MRY42CAXHHN
450	480	3 bar	Z	7 x L=500 mm	34.20	MRY45CAXHHN
480	510	2.5 bar	Z	7 x L=500 mm	34.30	MRY48CAXHHN
510	540	2 bar	Z	7 x L=500 mm	35.80	MRY51CAXHHN
540	570	2 bar	Z	7 x L=500 mm	36.70	MRY54CAXHHN
570	600	2 bar	Z	7 x L=500 mm	36.90	MRY57CAXHHN
600	630	2 bar	Z	7 x L=500 mm	38.20	MRY60CAXHHN
630	660	2 bar	Z	7 x L=500 mm	38.40	MRY63CAXHHN
660	690	2 bar	Z	7 x L=500 mm	40.30	MRY66CAXHHN
690	720	2 bar	Z	7 x L=500 mm	40.50	MRY69CAXHHN
720	750	2 bar	Z	7 x L=500 mm	40.50	MRY72CAXHHN

Field of use

The multi bolts repair clamps are part of the pipelines repair range of PAM NEXUS.

The repair clamps are used for the repair of localized breakages or circumferential breakages on pipelines of every kind of material for drinkable water service.

The longitudinal breakages haven't to be exceeded the 35% of the totally width of the clamp while the circumferential breakages haven't to be, as maximum distance from the braked extremity, upper than 10mm.

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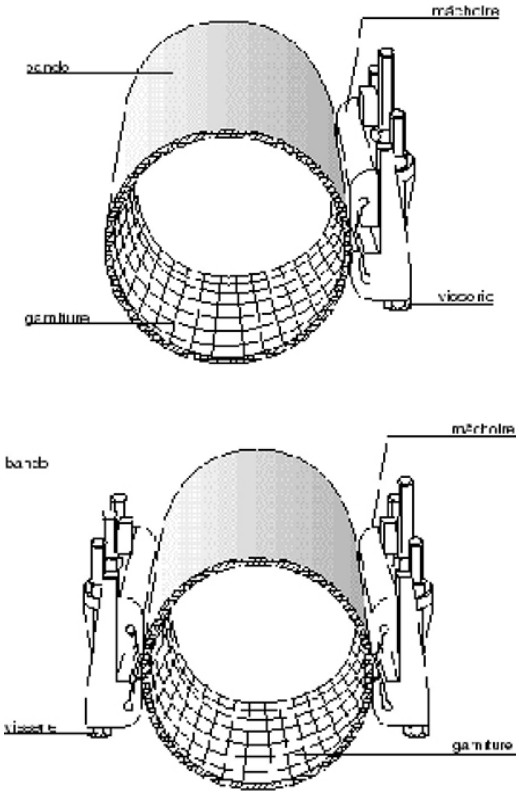
Material and coating



- Belt in stainless steel AISI 304 with a minimum thickness of 0,8 mm and minimum width of 200mm;
- Claps in ductile cast iron GS 500-7UNI EN 1563 coated with blue epoxy powder 250 microns average thickness with a minimum of 200 microns, conforming to EN 14901 (PECB);
- Lock of the plate of the clamp in ductile iron, through a strong stainless steel bar, housed in an appropriate seat;
- Gasket in EPDM APE55N rubber with insert in vulcanized stainless steel AISI 304, thickness of 1,5mm in the area of the closing of the clamp;
- Screws with hexagonal butt with partial thread and hexagonal nut according to UNI 5587, in steel class 6.S, protected with a galvanizing Zn/Fe coating and tropical hexavalent chromium passivation;
- Materials suitable for drinking water.

Available upon request:

- Gasket in EPDM suitable for drinking water;
- Bolts in stainless steel.

The ductile iron clamps and their geometrical conformity allow a higher resistance of tightening, thus ensuring a regular distribution of the tensions along the entire width of the collar and therefore guaranteeing an excellent seal reliability over the time.

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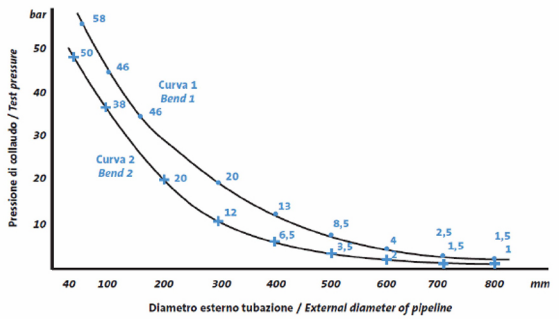
Part	Material	Coating
Body	Stainless Steel type Z7 CN 18.09	
Gasket	EPDM	
Clamp	Ductile Iron GS	Blue epoxy powder 250 microns average thickness with a minimum of 200 microns, conforming to EN 14901-1 (PECB)
Bolts	Steel class 6.S	Zinc

Exercise conditions



Concerning the exercise conditions of the clamps, here follow the diagram with the working pressure and the external diameter of the pipeline.

Curve 1: value of the test pressure carried out on the pipeline with longitudinal breakage equal to the 35% of the repair clamp belt's width;

Curve 2: value of the test pressure carried out on the pipeline with circumferential breakage

Note: the pressure values indicated in the diagram are guaranteed for all the clamps installed on the pipeline with roughness similar to the ductile cast iron pipes usually on sale.

Applicable Standard

Tests

All products of NEXUS range are manufactured and tested in a factory in compliance with ISO EN9001 and ISO 14000.
Coating tests: thickness test, holiday test, impact test, MIBK test.

Conformity to Standards

Suitability with potable water in accordance with:

- D.M. 174/ (ex C.M.S. 102 del 2/12/78);
- Foreign regulations: KTW, ACS, WRAS.

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Installation instructions

Storage
Repair clamps have to be stored in covered places, protected from the sun, rain and all other atmospheric agents. Moreover it has to be avoided that the seal of the same valves comes in contact with dust and dirt.

Installation
The bolt in the middle, with more length respect to the others, allows an easy mounting of the clamp on the pipeline to be repaired.

Operations to be made during installation:

1. Clean the part of the pipe to be repaired;
2. Put the repair clamp on the cut or the hole;
3. Ensure that the tapered limb of the gasket is not folded on itself in any point, and that it is well extended on the pipe to be repaired; (**Note**: we recommend greasing the tapered limb with soapy water, grease or Vaseline.)
4. Put the opposite terminal of the clamp on the tapered limb;
5. Insert the bolts in their respective position to tighten them manually;
6. Rotate the repair clamp in the direction indicated by the arrow printed on the label (necessary operation for the definitive correct extension of the tapered limb) making sure that the damaged section of the pipe remains under the section of vulcanized plate in the gasket;
7. Tighten the screws uniformly and gradually so that the two stainless steel clamps come together during the tightening, always parallel to each other according to the recommended tightening torque.

Note: during this operation make sure that the vulcanized part of the gasket does not strain in order not to compromise the seal.

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