

RepLINK - Stainless steel repair clamp Type B and C

Repair clamp (single band)



ØDE mini (mm)	ØDE maxi (mm)	PFA	Type	Version	Mass (kg)	References
48	56	32 bar	B	3 x L=200 mm	3.60	MRX50AAXHEN
56	64	31 bar	B	3 x L=200 mm	3.70	MRX60AAXHEN
60	68	30 bar	B	3 x L=200 mm	3.80	MRX65AAXHEN
68	78	29 bar	B	3 x L=200 mm	3.90	MRX70AAXHEN
78	88	28 bar	B	3 x L=200 mm	4.00	MRX80AAXHEN
88	98	26 bar	B	3 x L=200 mm	4.10	MRX90AAXHEN
98	108	25 bar	B	3 x L=200 mm	4.20	MRY10AAXHEN
108	118	23 bar	B	3 x L=200 mm	4.30	MRY11AAXHEN
114	126	22.5 bar	B	3 x L=200 mm	4.10	MRY12AAXHEN
126	138	21.5 bar	B	3 x L=200 mm	4.20	MRY13AAXHEN
138	150	20 bar	B	3 x L=200 mm	4.30	MRY14AAXHEN
140	153	20 bar	B	3 x L=200 mm	4.40	MRY15AAXHEN
150	162	19 bar	B	3 x L=200 mm	4.50	MRY16AAXHEN
162	174	17 bar	B	3 x L=200 mm	4.50	MRY17AAXHEN
168	182	16.5 bar	B	3 x L=200 mm	4.60	MRYA7AAXHEN
174	186	16 bar	B	3 x L=200 mm	4.60	MRY18AAXHEN
186	198	15 bar	B	3 x L=200 mm	4.70	MRY19AAXHEN
198	210	13.5 bar	B	3 x L=200 mm	4.90	MRY20AAXHEN
210	223	13 bar	B	3 x L=200 mm	4.90	MRY22AAXHEN
222	234	12 bar	B	3 x L=200 mm	5.00	MRY23AAXHEN
234	246	11 bar	B	3 x L=200 mm	5.10	MRY24AAXHEN

ØDE mini (mm)	ØDE maxi (mm)	PFA	Type	Version	Mass (kg)	References
243	255	10.5 bar	B	3 x L=200 mm	5.20	MRY25AAXHEN
260	272	9.5 bar	B	3 x L=200 mm	5.40	MRY27AAXHEN
273	285	9 bar	B	3 x L=200 mm	5.40	MRY28AAXHEN
285	297	8.5 bar	B	3 x L=200 mm	5.40	MRY29AAXHEN
298	310	8 bar	B	3 x L=200 mm	5.50	MRY30AAXHEN
316	328		B	3 x L=200 mm	5.60	MRY32AAXHEN
327	340		B	3 x L=200 mm	5.90	MRY33AAXHEN
342	355		B	3 x L=200 mm	6.00	MRY35AAXHEN
353	365		B	3 x L=200 mm	5.80	MRY36AAXHEN
368	380		B	3 x L=200 mm	6.00	MRY37AAXHEN
378	390		B	3 x L=200 mm	6.20	MRY38AAXHEN
68	78	29 bar	C	4 x L=300 mm	5.90	MRX70AAXHGN
78	88	28 bar	C	4 x L=300 mm	5.90	MRX80AAXHGN
88	98	26 bar	C	4 x L=300 mm	6.10	MRX90AAXHGN
98	108	25 bar	C	4 x L=300 mm	6.20	MRY10AAXHGN
108	118	23 bar	C	4 x L=300 mm	6.30	MRY11AAXHGN
114	126	22.5 bar	C	4 x L=300 mm	6.40	MRY12AAXHGN
126	138	21.5 bar	C	4 x L=300 mm	6.40	MRY13AAXHGN
138	150	20 bar	C	4 x L=300 mm	6.70	MRY14AAXHGN
140	153	20 bar	C	4 x L=300 mm	6.60	MRY15AAXHGN
150	162	19 bar	C	4 x L=300 mm	6.70	MRY16AAXHGN
162	174	17 bar	C	4 x L=300 mm	7.00	MRY17AAXHGN
168	182	16.5 bar	C	4 x L=300 mm	7.00	MRYA7AAXHGN
174	186	16 bar	C	4 x L=300 mm	7.00	MRY18AAXHGN
186	198	15 bar	C	4 x L=300 mm	7.30	MRY19AAXHGN
198	210	13.5 bar	C	4 x L=300 mm	7.30	MRY20AAXHGN
210	223	13 bar	C	4 x L=300 mm	7.50	MRY22AAXHGN
222	234	12 bar	C	4 x L=300 mm	7.70	MRY23AAXHGN
234	246	11 bar	C	4 x L=300 mm	7.80	MRY24AAXHGN
243	255	10.5 bar	C	4 x L=300 mm	7.80	MRY25AAXHGN
260	272	9.5 bar	C	4 x L=300 mm	8.00	MRY27AAXHGN
273	285	9 bar	C	4 x L=300 mm	8.40	MRY28AAXHGN
285	297	8.5 bar	C	4 x L=300 mm	8.30	MRY29AAXHGN
298	310	8 bar	C	4 x L=300 mm	8.50	MRY30AAXHGN

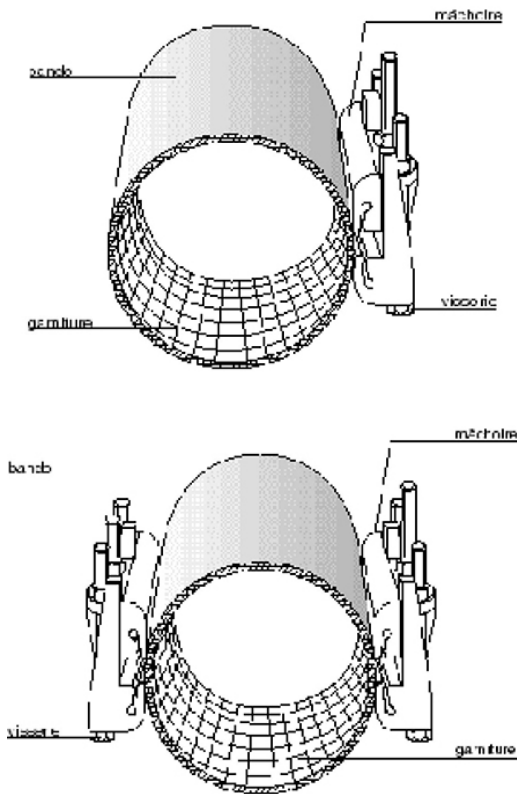
Field of use

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.

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.

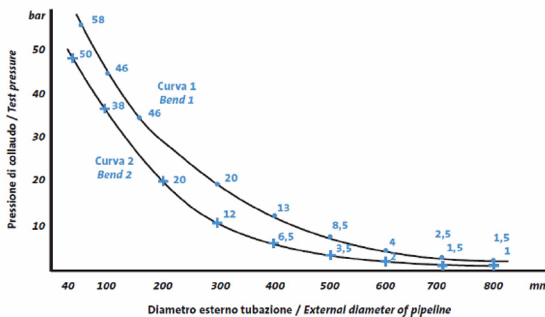
Available upon request:

- 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.

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.

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.

The information on this sketch is, to the best of our knowledge correct at the time of printing. However Saint-Gobain are constantly looking at ways of improving their products and services therefore reserve the right to change without prior notice, any of the data shown. Any orders placed will be subject to our Standard Conditions of Sale, available on request.