

Single Bolt Stainless Steel Pipe Repair Clamps



Sizes:

21mm - 516mm

Ends:

For Rigid Pipes

Minimum Temperature:

-10°C (EPDM gasket)

Maximum Temperature:

+60°C (for temporarily use, with EPDM gasket)

Max Pressure:

20 Bar (PN20) up to DN140

Materials:

Black EPDM Rubber Gasket (Inner)

Stainless Steel 304 Belt (Outer)

Specifications

- SS 304 bolt
- EPDM gasket
- For PE, PVC, steel and ductile iron pipes

Use Cases

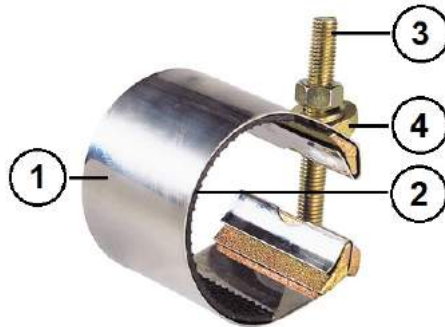
- Drinkable water for Ref. 1401 (EPDM)
- Min and max Temperature Ts : - 10°C to + 60°C (for temporarily used) for EPDM gasket types Ref.1401
- Max pressure Ps : see graph under

DN	20 – 140	141 – 200	201 – 250	251 – 300	301 – 400	401 - 500
Ps (Bars)	20	16	10	8	4.5	2.5

Clamping Range

- Temporarily repair clamp type M, 1 bolt length 80 mm with EPDM gasket **Ref.1401** from DN 21 to DN 173

Materials



Item	Designation	Materials Ref.1401-1403-1406	Materials Ref.1405
1	Insert	SS 304	SS 304
2	Gasket	EPDM	NBR
3	Bolting	Steel 6.S	Steel 6.S
4	Clamp	Ductile iron EN GJS-500-7	Ductile iron EN GJS-500-7



**Ref.1401 Type M (Repairing)
1 bolt, Length 80mm**

Ref.	Ø external pipe		Ps (Bar)	Weig. (Kg)
	Mini	Maxi		
1401021	21	25	20	0.216
1401026	26	30	20	0.222
1401029	29	33	20	0.228
1401033	33	37	20	0.234
1401038	38	42	20	0.24
1401042	42	45	20	0.25
1401048	48	51	20	0.26
1401050	50	54	20	0.265
1401055	55	60	20	0.275
1401060	60	64	20	0.425
1401065	65	69	20	0.43
1401069	69	73	20	0.44
1401071	71	76	20	0.45
1401076	76	82	20	0.465
1401082	82	87	20	0.485
1401087	87	93	20	0.5
1401094	94	100	20	0.51
1401099	99	104	20	0.52
1401105	105	111	20	0.525
1401112	112	118	20	0.53
1401120	120	126	20	0.54
1401126	126	131	20	0.545
1401131	131	136	20	0.56
1401139	139	145	16	0.58
1401156	156	162	16	0.59
1401167	167	173	16	0.6

Standards

- Fabrication according to ISO 9001 : 2008
- Directive 97/23/CE : Products excluded from directive (Article 1, § 3.2)
- French water agreement **A.C.S. N° 16 ACC NY 049** for types with EPDM gasket **Ref.1401-1403-1406**

ADVICE : Our opinion and our advice are not guaranteed and Bessegès shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.

Installation

The equipment has 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 comes in contact with dust and dirt.

The structure and the construction method allow a good facility and fast assembly of the collar on the pipe to repair.

Here follow are described the operations to carry out during the installation:

1. Clean the part of the pipe to be repair from eventual soil deposits;
2. Position the repair clamp in correspondance with the cut or the hole;
3. Ensure that the tapered end of the gasket is not folded on itself in any point, and that it is well extended on the pipeline to be repaired;

Note: we suggest greasing the tapered end with soapy water, grease or Vaseline.

4. Put the opposite terminal of the clamp on the tapered end.
5. To insert the threaded studs in the respective positions of the buttonholes and manually shut.
6. Rotate the repair clamp in the indicated direction by the arrow printed on the label (indispensable operation for the definitive correct extension of the tapered end) possibly making sure that the damaged section of the pipeline remains under the section of vulcanized plate in the gasket.
7. Uniformly and gradually tighten the three or more screws so that the two clamps come together during the tightening, always parallel to each other according to the recommended tightening torque.

Note: make sure during this phase that the vulcanized welt sheet in the gasket, does not strain and it keeps its preformed bend: if it strains, it will compromise the seal.