

REPAIR CLAMPS



ISO 9001 : 2015
BUREAU VERITAS
Certification



ISO 14001:2015
BUREAU VERITAS
Certification



Size : DN 21 to DN 516
Ends: For rigid pipes
Min Temperature : - 10°C (with EPDM gasket)
Max Temperature : + 60°C (for temporarily used and EPDM gasket)
Max Pressure : 35 Bars max for DN21/25
Specifications : EPDM or NBR gasket
AISI 304 belt
For PE, PVC, steel and ductile iron pipes

Materials : AISI 304 belt

REPAIR CLAMPS

SPECIFICATIONS :

- AISI 304 belt
- EPDM or NBR gasket
- For PE, PVC, steel and ductile iron pipes

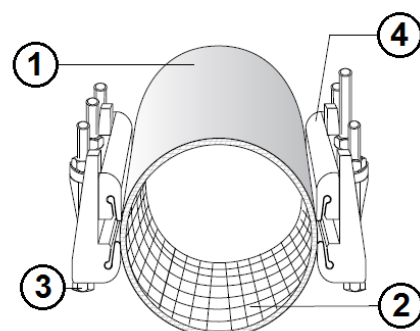
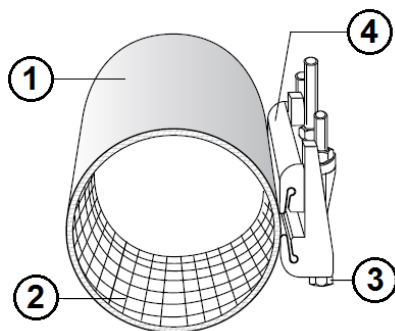
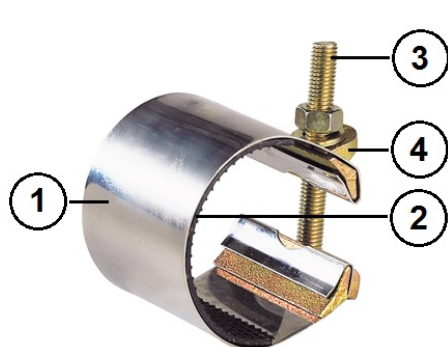
USE:

- Drinkable water for Ref. 1401, 1403 and 1406 (EPDM)
- Irrigation and sewage systems for Ref. 1405 (NBR)
- Min and max Temperature Ts : - 10°C to + 60°C (for temporarily used) for EPDM gasket types Ref.1401-1403-1406
- Min and max Temperature Ts : + 0°C to + 85°C (for temporarily used) for NBR gasket types Ref.1405
- Max pressure Ps : see dimension table page 3 and 4

RANGE :

- Temporarily repair clamp type M, 1 bolt length 80 mm with EPDM gasket **Ref.1401** from DN 21 to DN 173
- Repairing for complete break type B, 3 bolts, length 200 mm with EPDM gasket **Ref.1403** from DN 48 to DN 285
- Repairing for complete break type B, 3 bolts, length 200 mm with NBR gasket **Ref.1405** from DN 48 to DN 285
- Repairing for complete break type D, 3x2 bolts, length 200 mm with EPDM gasket **Ref.1406** from DN 88 to DN 516

MATERIALS :



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

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SIZE Ref.1401-1403-1405 (in mm) :



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

Ref.	Ø external pipe		Ps (Bar)	Weig. (Kg)
	Mini	Maxi		
1401021	21	25	35	0.216
1401026	26	30	35	0.222
1401029	29	33	35	0.228
1401033	33	37	30	0.234
1401038	38	42	30	0.24
1401042	42	45	25	0.25
1401048	48	51	25	0.26
1401050	50	54	22	0.265
1401055	55	60	22	0.275
1401060	60	64	20	0.425
1401065	65	69	20	0.43
1401069	69	73	20	0.44
1401071	71	76	18	0.45
1401076	76	82	18	0.465
1401082	82	87	15	0.485
1401087	87	93	15	0.5
1401094	94	100	15	0.51
1401099	99	104	15	0.52
1401105	105	111	13	0.525
1401112	112	118	13	0.53
1401120	120	126	13	0.54
1401126	126	131	10	0.545
1401131	131	136	10	0.56
1401139	139	145	10	0.58
1401156	156	162	8	0.59
1401167	167	173	8	0.6

Ref.1403 Type B
(Repairing for comp. Break)
3 bolts, Length 200mm

Ref.	Ø external pipe		Ps (Bar)	Weig. (Kg)
	Mini	Maxi		
1403048	48	56	32	3.6
1403056	56	64	31	3.7
1403060	60	68	30	3.8
1403068	68	78	29	3.9
1403078	78	88	28	4
1403088	88	98	26	4.1
1403098	98	108	25	4.15
1403108	108	118	23	4.15
1403114	114	126	22.5	4.3
1403126	126	138	21.5	4.35
1403138	138	150	20	4.45
1403140	140	153	20	4.45
1403150	150	162	19	4.5
1403162	162	174	17	4.6
1403168	168	182	16.5	4.65
1403174	174	186	16	4.7
1403186	186	198	15	4.8
1403198	198	210	13.5	4.85
1403210	210	223	13	4.95
1403222	222	234	12	5.05
1403234	234	246	11	5.2
1403243	243	255	10.5	5.35
1403273	273	285	9	5.5

Ref.1405 Type B
(Repairing for comp. Break)
3 bolts, Length 200mm

Ref.	Ø external pipe		Ps (Bar)	Weig. (Kg)
	Mini	Maxi		
1405048	48	56	32	3.6
1405056	56	64	31	3.7
1405060	60	68	30	3.8
1405068	68	78	29	3.9
1405078	78	88	28	4
1405088	88	98	26	4.1
1405098	98	108	25	4.15
1405108	108	118	23	4.15
1405114	114	126	22.5	4.3
1405126	126	138	21.5	4.35
1405138	138	150	20	4.45
1405140	140	153	20	4.45
1405150	150	162	19	4.5
1405162	162	174	17	4.6
1405168	168	182	16.5	4.65
1405174	174	186	16	4.7
1405186	186	198	15	4.8
1405198	198	210	13.5	4.85
1405210	210	223	13	4.95
1405222	222	234	12	5.05
1405234	234	246	11	5.2
1405243	243	255	10.5	5.35
1405273	273	285	9	5.5

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SIZE Ref.1406 (in mm) :



Ref.1406 Type D (Repairing for comp. Break) 3 bolts x2,Length 200mm				
Ref.	Ø external pipe		Ps (Bar)	Weig. (Kg)
	Mini	Maxi		
1406088	88	110	26	7.6
1406114	114	137	22.5	7.75
1406138	138	160	20	7.85
1406160	160	182	17	8
1406182	182	202	15.5	8.1
1406202	202	224	13.5	8.2
1406217	217	240	12.5	8.3
1406240	240	262	10.5	8.45
1406262	262	284	9.5	8.65
1406273	273	296	9	8.85
1406296	296	319	8	9.05
1406324	324	346	6.5	9.25
1406346	346	368	6	9.4
1406365	365	387	5.5	9.5
1406387	387	410	4.5	9.6
1406410	410	432	4	9.7
1406428	428	450	3.5	9.8
1406450	450	474	3	10
1406470	470	492	2.5	10.2
1406492	492	516	2.5	10.45

REPAIR CLAMPS

STANDARDS :

- Fabrication according to ISO 9001 : 2015 and ISO 14001 : 2015
- Directive 2014/68/EU : Products excluded from directive (Article 1, § 2b)
- 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 SFERACO 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 INSTRUCTIONS

1.1 Storage

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.

1.2 Installation

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 correspondence 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.