

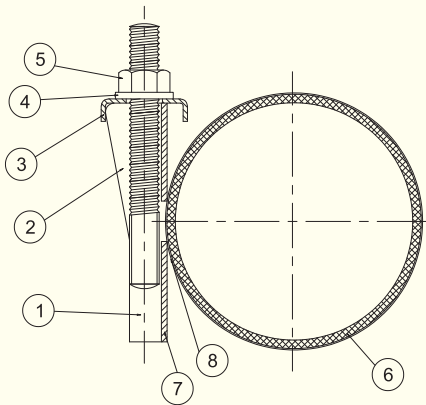


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REPAIR CLAMPS

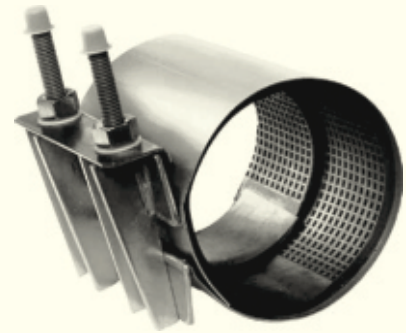
SIGMAFLOW Repair Clamp is designed for localized damage on pipe. Repair Clamps offer a handy, quick and cost effective method of repairing service pipe connections while under operating pressure. Connections can be made without any interruption to the supply.

STAINLESS STEEL REPAIR CLAMP

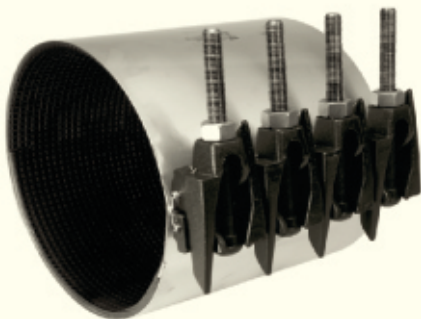


MATERIALS OF CONSTRUCTION

- | | |
|------------------|-------------------|
| 1. Bolt | : Stainless Steel |
| 2. Lug Plate | : Stainless Steel |
| 3. Counter Plate | : Stainless Steel |
| 4. Washer | : Stainless Steel |
| 5. Nut | : Stainless Steel |
| 6. Gasket | : EPDM |
| 7. Side Bar | : Stainless Steel |
| 8. Band | : Stainless Steel |

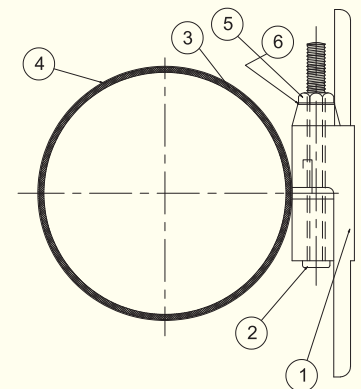


STAINLESS STEEL REPAIR CLAMP (Ductile Iron Jaw)



MATERIALS OF CONSTRUCTION

- | | |
|-----------|-------------------|
| 1. Jaw | : Ductile Iron |
| 2. Bolts | : Carbon Steel |
| 3. Gasket | : EPDM |
| 4. Band | : Stainless Steel |
| 5. Nuts | : Carbon Steel |
| 6. Washer | : Carbon Steel |



DIMENSIONS (All dimensions are in mm)

Size (MM)	OD Range	LENGTH	BOLTING
50	48-52	150-200	M16
	60-67	150-200	M16
80	70-77	150-200	M16
	88-98	150-300	M16
	95-105	150-300	M16
100	108-118	150-300	M16
	115-128	150-300	M16
125	132-143	200-300	M16
150	158-172	200-300	M16
	168-182	200-300	M16

Size (MM)	OD Range	LENGTH	BOLTING
200	193-203	200-300	M16
	217-229	200-300	M16
	225-240	200-300	M16
250	243-260	300-400	M16
	270-288	300-400	M16
300	313-336	300-400	M16
	340-360	300-400	M16

BOLTING NUMBER ACCORDING TO LENGTH

Length	150	190/200	300	380/400
SS Repair Clamp	2	2	3	4
DI Repair Clamp	2	3	4	6



INSTALLATION INSTRUCTION

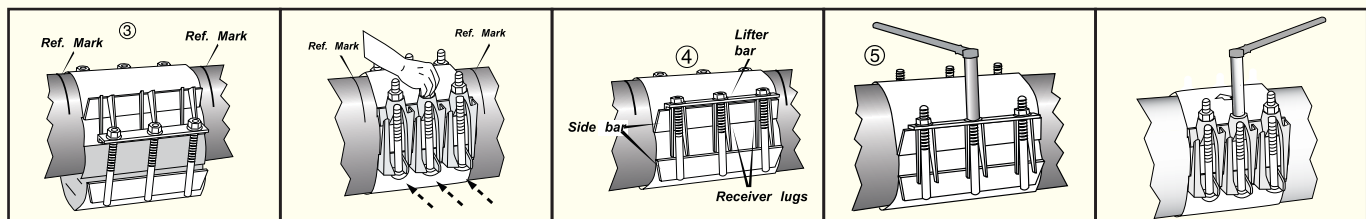
Step 1: Verify the clamp parts to ensure that no damage has occurred during transit and that no parts are missing. Carefully clean pipe surface that will be covered by the clamp. A suitable gasket lubricant should be used on rough surfaced pipe (Iron and A/C) to assure proper seal.

Step 2: Lay reference marks on the pipe in line with the crack or hole in the pipe slightly wider than the clamp.

Step 3: Back off nuts to end of bolts, but don't remove them. Separate clamp and wrap it around the pipe. If possible, position one of the sections around the pipe so the bolts and receiver lugs are in a convenient place to assemble and tighten.

Step 4: Slide the lifter bar(s) up the receiver lug profile and snap into place over the side bar edge. Make sure the gasket tails are not folded under, but are laying flat around the pipe. Tighten nuts finger tight to allow the centring of the clamp over the crack or hole being repaired (check reference marks).

Step 5: Tighten all nuts equally. Start tightening in the centre of the clamp, working toward each end. Keep the torque as even as possible between all nuts. It is necessary to re-torque every nut several times (4-8) in order to maintain the proper torque. Use a wrench with at least a 12" handle.



Note: In case of SS Repair Clamp, slide the clamp over the break after the lifting bar have been snapped into place. In case of DI Repair Clamp, slide the clamp over the damage after the bolt heads have been snapped into place.

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