

CORI ENGINEERS PVT. LTD.

COMPANY WITH
QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
* ISO 9001:2008 *

CORIRUBBER®



PIPE REPAIR CLAMP

CORIRUBBER®

CORI Engineers belongs to IGP Group of companies based at Chennai (Madras), India. CORI is ISO 9001:2008 certified organization. Product range of CORI includes Rubber Expansion Joints, Anti vibration mounts, Rubber lining, Industrial Rubber gaskets etc.

Repair Clamps are manufactured from stainless steel skin, full circle rubber sealing gasket and stainless steel fasteners and is a fast, permanent and economical way to repair most damaged pipes, with pinholes, cracks and breaks. Each clamp has the capability to fit a wide variety of types and classes of pipe, so reducing stock requirements. Use of quality materials and superior clamp design allows application onto high pressure pipelines and non-pressure pipelines in a variety of industries.

Features & Benefits :

- ◆ Easy to install
- ◆ Fully constructed from 316 stainless steel for high corrosion protection
- ◆ Full-circle rubber gasket
- ◆ Each clamp fits a range of pipe diameters
- ◆ Can be installed on a pressurised main
- ◆ Can be used to eliminate the need to cut out damaged sections of pipe
- ◆ Able to adapt to pipe irregularities or ovality
- ◆ Fully passivated
- ◆ Supplied with plastic thread protectors
- ◆ Minimum downtime to affected mains
- ◆ Molybond coated fasteners to prevent galling
- ◆ Dispatched with installation instructions



Single Part (CS 1)

Single Part Stainless Steel Repair Clamps for fast and permanent repairs to most pipe types and sizes. Our Single Part Repair Clamps are manufactured in accordance with AS 4181 and available in sizes ranging from DN 40 to DN 300.



Double Part (CS 2)

Stainless steel repair clamps for permanent repairs onto most pipe types and sizes. Double Part Repair Clamps are manufactured in accordance with AS 4181 and available in sizes ranging from DN 200 to DN 450.



Multi Part (CS 3)

Stainless steel repair clamps for permanent repairs onto most pipe types and sizes. Multi Part Repair Clamps are manufactured in accordance with AS 4181 and available in sizes ranging from DN 450 to DN 1200.

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Pipe repair clamp shells are made from suitable thickness stainless steel sheet of suitable grade which is capable of providing uniform pressure over the damaged part of the pipe.

Rubber gasket with gridded design with tapered ends and vulcanized to metal plate provide an excellent pipe seal. Depending on the fluid conditions Natural, EPDM, Neoprene, Nitrile rubbers are used.

Bolts, nuts, receiver, locking and armor plates are all made of stainless steel and designed to provide easy installation and clamping strength throughout the circumference of the pipe.

It is to be noted that repair clamps are not intended to be used as pipe joiners or in situations where a cracked pipe has separated.



Specification

- Shell** : Stainless steel of required grade.
- Rubber Gasket** : Natural Rubber for water usage. Different grades of rubbers can be provided according to fluid and customer requirement.
- Receiver Plate** : TIG welded to shell and passivated.
- Locking Plate** : Component used to open and close the clamp.
- Guides** : TIG welded to receiver plate and passivated.
- Bolts** : Stainless steel of required grade with rolled threaded and TIG welded to receiver plate.
- Nuts** : Stainless steel of required grade.
- Armor Plate** : Stainless steel plate molded with Rubber Gasket, to provide metal protective layer for Rubber gasket at the clamping area.

General Information

- ❖ Full Type Pipe Repair Clamps are manufactured in the following widths:
 - 150 mm, 200 mm, 300 mm, 400 mm and special sizes according to customer requirement in all sizes.
 - CS 1 - Full Circle Clamps, CS 2 - Double Clamp & CS 3 - Triple Clamp
 - To clamp large diameter of pipes double, triple or multiple number of clamps can be used in series depending on the circumferential length of the pipe.
- ❖ Recommended pressure ratings:
 - Pipe O.D range from 50 mm to 250 mm 1.6Mpa (16 bars)
 - Pipe O.D range from 300 mm to 600 mm 1.2Mpa (12 bars)
 - we can supply pipe repair clamps for higher pressure rating according to customer requirement.

Dimensions for Pipe Repair Clamp

Part No.	Nominal Bore Pipe Size		Outside Diameter	Clamp Width			
	Inch	mm		150 mm	200 mm	300 mm	400 mm
CS 1 - 045	2	50	045 - 055 mm				
CS 1 - 059			✓	✓	✓	✓	
CS 1 - 069			✓	✓	✓	✓	
CS 1 - 075	3	75	075 - 083 mm	✓	✓	✓	✓
CS 1 - 085			✓	✓	✓	✓	
CS 1 - 095			✓	✓	✓	✓	
CS 1 - 104	4	100	104 - 113 mm	✓	✓	✓	✓
CS 1 - 113			✓	✓	✓	✓	
CS 1 - 121			✓	✓	✓	✓	
CS 1 - 126	5	125	126 - 136 mm	✓	✓	✓	✓
CS 1 - 130			✓	✓	✓	✓	
CS 1 - 145			✓	✓	✓	✓	
CS 1 - 151	6	150	151 - 161 mm	✓	✓	✓	✓
CS 1 - 167			✓	✓	✓	✓	
CS 1 - 174			✓	✓	✓	✓	
CS 1 - 179			✓	✓	✓	✓	
CS 1 - 189			✓	✓	✓	✓	
CS 1 - 196			✓	✓	✓	✓	
CS 1 - 202	8	200	202 - 212 mm	✓	✓	✓	✓
CS 1 - 218			✓	✓	✓	✓	
CS 1 - 229			✓	✓	✓	✓	
CS 1 - 236			✓	✓	✓	✓	
CS 1 - 248	9	225	248 - 257 mm	✓	✓	✓	✓
CS 1 - 255			✓	✓	✓	✓	
CS 1 - 271	10	250	271 - 281 mm	✓	✓	✓	✓
CS 1 - 281			✓	✓	✓	✓	
CS 1 - 288			✓	✓	✓	✓	
CS 1 - 298			✓	✓	✓	✓	
CS 1 - 304	12	300	304 - 314 mm	✓	✓	✓	✓
CS 1 - 312			✓	✓	✓	✓	
CS 1 - 322			✓	✓	✓	✓	

✓ - Available widths

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