

Product Specifications

Cascade Repair Clamps – Under Pressure Tees and Bossed Clamps



Applicable Standards

ASTM A480/A480M 04A – ASTM A240/A240M 04A

EN10204-3.1B 95 – EN10204-3,1,B

BS 6920 – BS4504

BSEN 682:2002 – Type 4711 to WRAS approved and listed.

SGS ISO-9001

Materials

LOCKING WASHER PLATE: - **Stainless Steel AISI – 304/316** (Locks into position for easy tightening of nuts.)

LUGS: - **Stainless Steel AISI – 304/316** - MIG-welded to receiver bar and fully passivated after welding. Leading edge is rounded to prevent them from catching bolt bars during installation.

SHELL:-Stainless Steel AISI - 304/316 2B finish.

BOLTS: - **Stainless Steel AISI - 304/316** thread-rolled for strength and coated to prevent galling. Cascade bolts are MIG-welded to the receiver bar and fully passivated after welding.

NUTS: **Stainless Steel – 304/316**

RECEIVER BARS:-Stainless Steel AISI - 304/316 TIG-welded to shell to form a strong fusion, and fully passivated after welding.

GASKET: ASTM D2240 NR – NBR – EPDM - Nitrile 4711 Formulated for water service, WRAS Approved. All gaskets have a gridded design, tapered ends and vulcanized armour plates for easy installation and optimum sealing efficiency.

ARMOUR: Stainless Steel AISI - 304/316 Heavy gauge stainless steel vulcanized into the gasket at the time of moulding, to ensure:

- that it fits permanently
- that it fits perfectly
- that it provides a smooth transition from gasket to metal

General Information

- Pressure ratings to your requirements from 4 bar to 30 bar
- The amount of pressure that a full circle repair clamp will contain is proportionate to the diameter of the pipe being repaired and the amount of torque applied to the bolts. Smaller diameter repair clamps will contain more pressure than larger diameter repair clamps. Cleaning and lubricating bolt threads will reduce friction and permit greater torque.
- The pressure containing capability of a repair clamp is influenced by the pipe size, the type and extent of damage to the pipe, environment and service conditions and installation workmanship
- Clamp lengths: - Min 75mm Max 2000mm
- Clamp types: - Single and Split Collar
- Diameters : - 15mm to 2000mm
- Stainless Steel Repair Clamps do not restrain axial pipe movement. Suitable anchorage must be provided where pipe movement may occur
- Temp Range + - (-40°C to 140°C)
- Life expectancy 50 years plus under normal operating conditions in potable water and sewerage pipework