TOTAL STAINLESS STEEL FULL CIRCLE
SINGLE BAND PIPE REPAIR CLAMP.

Clamp type: NC.10V.

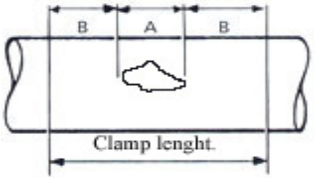
The Basic.

This full circle **single band** repair clamp is **the basic** of all others types.

Advantages of an all stainless steel repair clamp.

- In terms of corrosion resistance, stainless steel is the best material available today from which to construct pipe repair clamps.(Maintenance free as well.)
- As no dissimilar metals are used, corrosion through electrolysis is eliminated.
- Stainless steel is light in weight and therefore easy to install. An all stainless steel clamp is around half the weight of a conventional clamp.
- M14 bolts on pipe diameters, up to and including DN 250.
  M16 bolts on pipe diameters from DN300 and >
- There are less nuts and bolts on an all stainless steel clamp because the components parts are stronger than those produced in iron.
- The bolts are fixed to the clamp by welding. So the only moving part is the lifter bar.
- At no time during assembly is it necessary to remove any of the component parts of the clamp, eliminating the risk of dropping bits into the trench.
- Stainless steel metric bolts are P.T.F.E. coated to ensure free running for life.
- All stainless steel parts have been burred and are passivated to return the corrosion resistance after the welding process to its original state.
- Gasket qualities are NBR (Standard) - EPDM - SBR. Silicone & Viton on request.
- Depending on the pipe size, the clamps are single band, double band or triple band. (more bands on bigger sizes, or when higher WP is required)
- Clamps length is minimal the pipe diameter.
- Clamp length is A +2B, but minimal equal to the pipe diameter.

A = damage length.
B = minimal 75 mm.



Depending on size of damage, broken pipe, pressure and medium. On plastic pipe, clamp must be at least 50% longer.

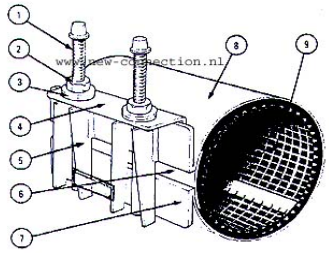
see page 2.

- Clamps with a Spanner Plate (Bridge Plate) can be used for the permanent repair of broken pipes, damaged pipes such as pin holes, damage due hot taps and cracks longitudinal. They can be used as flexible couplings as well.
- Material available in stainless steel : AISI 304(A2) or AISI 316(A4).
  Clamps are rounded to prevent bodily injury and are after welding completely passivated
- Clamp diameter ranges are: Quantity of bands:
  Clamp type NC.10V: 10 mm. Single band up to and incl. DN 350.
  Clamp type NC.20V: 20 mm. Double band from DN 100 - DN 450.
  Clamp type NC.30V: 30 mm. Triple band from DN 300 - DN 600.
  Quantity of bands will be in general as: pipe size multiply by 3,14 divide by 600.
  Pipe O.D. 1000 mm x 3,14 : 600 will give at least 5 bands.
  Clamps can be supplied for any pipe size and lengths up to 2500 mm.
- The length of the clamp must be at least equal to the pipe outside diameter and 150 mm longer then the crack on pipes up to DN 350. On larger pipe it should be at least 200 mm
  The maximum allowable gap on a broken pipe should not exceed 10 mm.
- The pressure rating depends on the pipe Ø - damage type - medium - temperature etc.
  General WP on water applications with the NC.10V (single band, on non plastic pipes) :
  Up to and including DN 200, WP of 16 bar and test pressure of 25 bar.
  Up to and including DN 400, WP of 10 bar and test pressure of 20 bar.
  More bands on the same pipe diameter will give a higher WP range.
  Please contact us for gas applications and / or higher WP.
- Clamps can be supplied with following type of rubber: NBR(=standard) - EPDM or SBR for the same price. Silicone and Viton are available on request.

Rubber	NBR (standard)	EPDM	SBR
Temperature	-40˚ + 105˚ C	-40˚ + 140˚ C	-40˚ + 85˚ C

- The rubber is tapered and has a waffle pattern.

1) PTFE coated stainless steel bolts.
2) Stainless steel nuts.
3) Stainless steel washers.
4) Stainless steel lifter bar.
5) Stainless steel fingers (Lugs)
6) Stainless steel spanner plate (Bridge plate)
7) Stainless steel side bar.
8) Stainless steel band.
9) Rubber.



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