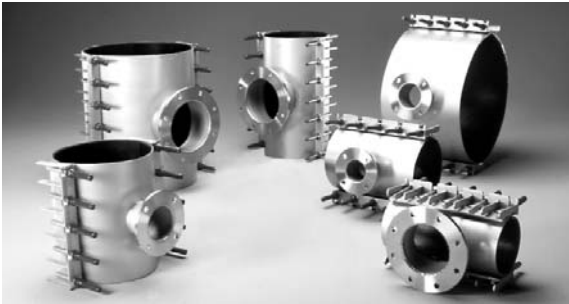


Installation Guide

WANG Flanged Off-Take Clamps



Manufactured & distributed under licence and certified as complying with ISO 9001 by an accredited certification body.

All metal parts are 316 Stainless Steel.

Initial Preparation:

Clean Pipe thoroughly and inspect to ensure suitability of pipe type and condition.

Step 1:

Dismantle the clamp.

Step 2:

Ensure that all nuts are loosened to the end of the studs. Check that all nuts, washers and the locking plates are installed correctly.
(refer to figure1)

Step 3:

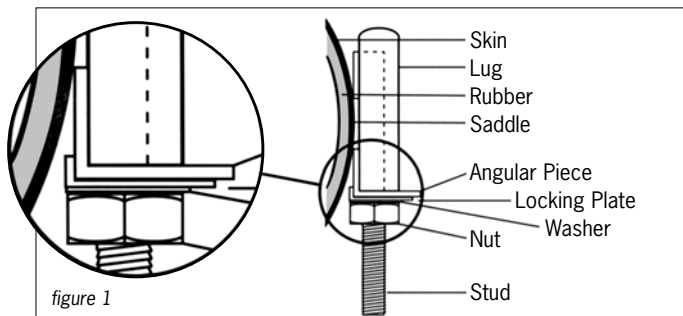
Lubricate the entire rubber gasket with approved pipe lubricant or WANG Pipe Joint & Clamp lubricant attached.

Step 4:

Assemble clamp around pipe making sure that:

- The spaces between the segments are even when all nuts are firm and remain constant during tensioning.
- Make sure that all studs, washers, etc. are free to do up.
- Multi-segment clamps have numbers on the end of each segment, ensure that numbers are consecutive when fitting together.

- (d) Ensure that locking plates and washers are in the correct position, see *figure 1*.
- (e) With full circumferential clamps the rubber sealing mat ends must not be turned back and the tapered overlap must be in the correct overlap position.



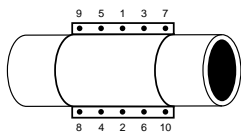
Step 5:

Tension the clamp in an even manner, beginning at the centre and working diametrically out on all segments until final torque is achieved, see *figure 2 & 3*.

Step 6:

As the rubber relaxes it will be necessary to repeat the tensioning operation 15 minutes later until final torque is reached, see *figure 2 & 3*.

*For high ambient temperatures this time lag may be longer.



Recommended Stud Tension

Nom. Diameter	Torque
100mm - 300mm	90Nm
300mm - 650mm	100Nm

figure 3

Step 7:

Ensure any off-take (eg, valve or pipe) is mechanically supported separate to the clamp and test the clamp at each off-take to the required test pressure before tapping or backfilling.

Note: When installing size-on-size flanged off-takes, the next lower DN sized hole cutter must be utilised.

Note: For operating temperatures above 30°C, clamp must attain final tension at highest operating temperature. For operating temperatures above 50°C refer to Tyco Water or WANG Components.

Note: Field pipe and installation conditions may change the working pressure rating obtained after installation.

tyco
Water

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**TYCO WATER
-WANG COMPONENTS**

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This Product Does Not
Restrain Axial Pipe Movement

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