

**Fits all American and International Pipe sizes**

Tapping Sleeves threaded connections

WAT stainless steel tapping clamps are used to make permanent (hot) taps on different pipe types

**for water, gas and petrochemical fluids**



WAT tapping clamps can be equipped with a threaded outlet up to 4". The clamp specifications are identical to the specifications of the HUWA standard repair clamps.

The standard outlets are threaded according to ISO/ DIN or BSP. American CC or IP threads can be supplied upon request.

The clamps can be used to repair the following pipe types:

- Ductile Iron (DI)
- Cast Iron (CI)
- Steel (St.)
- Asbestos Cement (AC)
- PE coated steel
- PVC\*
- GRP\*
- PE\*

\* If pipe tapping clamps are to be used on plastic pipes, please always contact HUWA or a HUWA distributor for more information regarding the application and restrictions on these pipe types.

Size of the threaded outlet or nipple	Available on pipe Ø	Minimum width in mm
1/2 "	≥ 38mm	150
3/4 "	≥ 44mm	150
1 "	≥ 48mm	150
1 1/4 "	≥ 60mm	150
1 1/2"	≥ 60mm	200
2 "	≥ 82mm	200
2 1/2 " *	≥ 110mm	200
3 " *	≥ 130mm	300
4 " *	≥ 155mm	400

\* Only available on double band clamps, with a reinforced upper scale

### Material specification:

- All metal parts: stainless steel AISI 304 or AISI 316L.
- Sockets and nipples are threaded according to ISO 7/DIN or BSP. Special designed outlets are available on request. Please contact your distributor.
- The outlets are 100 % air tested after welding.
- Metal parts have been deburred and are passivated to restore the corrosion resistance to its original state after the welding process.
- Single band (one section) or double band (two sections). For detailed working ranges please see our price-list.
- Standard certified rubber gaskets EPDM or NBR. The rubber is tapered and has a waffle pattern.
- Seamless rubber lining for every clamp diameter.
- Bridge plate is vulcanized into the rubber gasket.
- U-shaped lifter bars.
- Stainless steel, electrolytic zinc plated nuts to prevent galling.
- Stainless steel washers.
- No loose parts that may get lost during installation.
- No special tools required: a simple wrench will do the job.
- Special tape is used to fix the rubber gasket to the stainless steel band. This tape is flexible and reinforced with glassfibre thread to withstand hot and humid conditions and guarantee a long storage capability.
- Under most circumstances the clamps can be installed without releasing the pressure on the pipe.

### Available sizes:

- Model 10 tapping clamps are available from range 38–42. Available lengths: 150 / 200 / 250 / 300 / 400 / 500 / 600 mm.
- Model 20 tapping clamps are available from ranges 88–110. Available lengths: 200 / 250 / 300 / 400 / 500 / 600 mm.

### Pressure ratings:

Pressure ratings for water \*\* depend on the type of break or damage, pipe OD, medium etc.

Pipe DN 40 up to and including DN 150: 16 bar

Pipe DN 175 up to and including DN 300: 10 bar

Our clamps can be modified to cope with higher working pressures.

\*\* *Please contact HUWA or your distributor for more information regarding pressures on gas pipes.*

### Available rubber gaskets:

EPDM	- potable water - waste water	max 60 degr. C.
EPDM HT	- potable water - waste water	max 150 degr. C.
NBR	- natural gas - potable water - waste water	max 70 degr. C.
Viton	- several chemicals pls contact HUWA	max 200 degr. C.