

Versatile

# Remote

## EasiClamp & EasiTap



INSTALLATION INSTRUCTIONS – GB



PIONEERS IN PIPE SOLUTIONS



# Manual Installation in Trench Adjacent to Damaged Pipe

- 1) Viking Johnson Remote EasiClamp & EasiTap products come pre-assembled with EPDM gaskets (WBS approved for use with potable water) and can only be used on applications suitable for this grade of compound.

**NOTE** DO NOT dismantle prior to installation on pipe.

- 2) The product is factory lubricated from the tip of the overlap, around to the back of the overlap, extending just beyond the stainless steel plate. If the lubricant is removed, it is important that a silicone based WRAS approved lubricant is re-applied to this area.
- 3) Prepare the pipe surface, ensuring that the main is free from loose surface deposits, mud, rust, scale etc. When being installed on drybitumen coated ductile iron pipe a thin layer of water quality approved pipe jointing lubricant should be applied to the pipe surface.

## 4) Opening up the Clamp for Installation on Pipe

The bolts and nuts in the Viking Johnson Remote EasiClamp & EasiTap products are pre-set and retained in the product by means of plastic clips and should not be removed from the prior to installation.

To open up the clamp simply swing bolt head out away from body of clamp sufficient to clear bolt lug. (See Fig 1)

**NOTE** DO NOT swing bolt excessively.

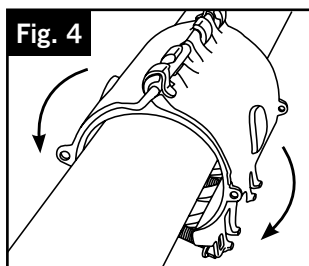
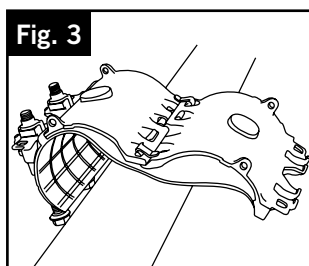
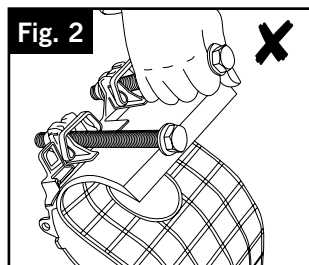
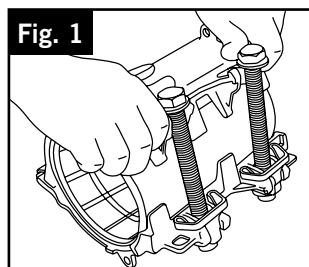
Open up the clamp, ensuring the gasket is facing up and not in contact with the ground to avoid contamination with debris that may stick to the gasket, which could contaminate the water supply or inhibit the seal on the pipe.

**CAUTION** During this operation DO NOT pick up or use the bolts or gasket to hold the clamp during installation as this may result in dislodgement of the bolts, gasket or plastic retainers. (See Fig 2)

## 5) Installation of Clamp on Pipe

**NOTE** When installing a Viking Johnson Remote EasiClamp product on a damaged pipe we recommend that it is initially positioned adjacent to the damaged section. Once the bolts are hooked in place and the clamp rotated to permit easy tightening of the bolts it can be slid over the damaged area to effect a repair.

- 6) Place the clamp around the pipe with the hinge resting on the top of the pipe facing upwards.





- 7) Let the two half housing drop round the pipe until the bolts click into place over the lugs. (See Fig 4)
- 8) Rotate the clamp in the direction that brings the bolt heads facing upwards, or in a convenient position to be tightened with a standard socket / spanner. (See Fig 5)

**NOTE** Ensure the gasket leading edge is correctly located within the mating clamp half.

#### 9) Tightening of the Bolts

Work between the two bolts turning each one a couple of turns at a time until the recommended bolt torque is achieved. (See Fig 6)

For ease of assembly it is permissible to wind one bolt up fully to finger tight before starting on the second bolt. Once finger tight alternate between bolts turning each one a couple of turns until the recommended bolt torque is achieved.

To simplify installation further, the use of a Viking Johnson Extended T-Bar Socket (Fig. 7) will allow bolts to be easily tightened from either within or outside the trench. The tool has facility to fit a torque wrench to the top to verify acceptable torque levels (Fig. 8). Part numbers VJ16225 - 1.5m in length, VJ16725 - 1m in length.

**Final bolt up must be verified using a torque wrench.**

- 10) Bolt Size = M16  
Spanner Size = A/F 24mm  
Recommended Bolt Torque = 95Nm to 120Nm

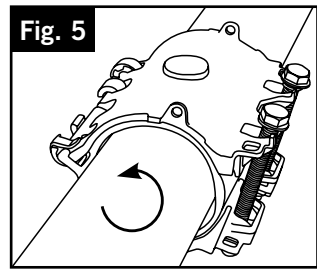


Fig. 6

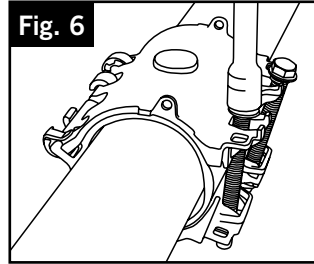


Fig. 7

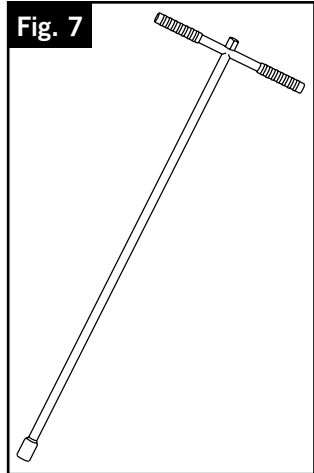
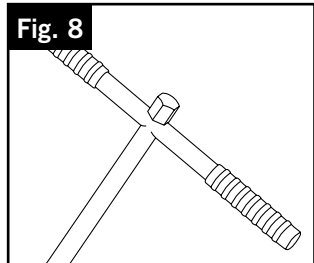


Fig. 8



#### CAUTION

- The maximum bolt torque noted above **MUST** not be exceeded.
- Leakage can **NOT** be prevented by over tightening of the bolts.
- Excessive over tightening of the bolts on the product may damage the repair clamp and in extreme circumstances cause personal injury.
- The Viking Johnson Remote EasiClamp & EasiTap products are designed to deform to adopt the shape of the pipe and therefore it is not possible to reuse them after full installation.
- Prior to installation, a suitable and sufficient risk assessment should be undertaken to establish safe working for fitment. This risk assessment should consider (as a minimum) factors such as current live pressure, pipe condition, working envelope, climatic conditions and other such influences.



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