

## Procedure 2200: Installation of Strap-Grip Clamps

*effective 02/08*

### **Selection**

- Use Procedure 1001: Pre-Formed Band Clamp Selection.

### **Preparation**

- 1. Prepare the hose using Procedure 1100: General Preparation Instructions.
- 2. If the hose has a 3" or larger I.D. (Inside Diameter), it must be sealed with a band clamp prior to installing the two saddles of the Strap-Grip Clamp. The process for installing the sealing band is as follows:
  - a. Position one saddle so that gripping finger is behind stem collar.
  - b. Place marks on hose to correspond to inside edges of both cross members.
  - c. Remove clamp.
  - d. Install and properly tension a pre-formed band clamp between the marks using one of the following procedures:
    - Procedure 2100: Installation on Pre-Formed Band Clamps Using Pneumatic Roll-over Tool
    - Procedure 2101: Installation of Pre-Formed Band Clamps Using Punch Style Tool
    - Procedure 2103: Installation of Pre-Formed Band Clamps Using Screw-Action Tool with Roll-over Tool Attachment

### **Process**

- 1. Set one saddle on the hose positioning the gripping finger behind stem collar.

*Note:* The interlock between clamp gripping finger and stem collar must be a minimum of 1/32" unless the hose has a 3" or larger I.D. in which case, it must be 1/16".
- 2. Secure it with tape (duct, electrical, etc.). Tape should be placed between the cross members.
- 3. Place the other saddle on the opposite side of the hose and secure it with tape.
- 4. Using the appropriate procedure, 'snug' the first band clamp over the cross members furthest away from the hose end. The buckles of the band clamps securing the saddles should be between the saddles but on opposite sides.

*Note:* If the hose has a 3" or larger I.D., the buckles should still be between the saddles, however they should be on the side opposite the sealing band buckle.
- 5. Remove the tool from the strap tail.
- 6. Snug the second band clamp over the cross members closest to the hose end.
- 7. Remove the tool from the strap tail.
- 8. Properly tension the first band clamp.
- 9. Properly tension the second band clamp.
- 10. Inspect results using Procedure 3002: Band Clamp Inspection.
- 11. Test assembly using Procedure 4000: General Hydrostatic testing Information and 4001: Hydrostatic Testing.