

## Procedure 2200: Installation of Strap-Grip Clamps

effective 02/08

### **Selection**

- Use Procedure 1001: Pre-formed Band Clamp Selection (page 6).

### **Preparation**

- 1. Prepare the hose using Procedure 1100: General Preparation Instructions (pages 9-10).
- 2. If the hose has a 3" or larger ID (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 the gripping finger is behind the stem collar.
  - b. Place marks on hose to correspond to the inside edges of both cross members.
  - c. Remove the 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 (page 20)
    - Procedure 2101: Installation of Pre-formed Band Clamps Using Punch Style Tool (page 21)
    - Procedure 2103: Installation of Pre-Formed Band Clamps Using Screw-Action Tool with Roll-Over Tool Attachment (page 23)

### **Process**

- 1. Set one saddle on the hose, positioning the gripping finger behind the stem collar.  
*Note:* The interlock between the clamp gripping finger and the stem collar must be a minimum of  $\frac{1}{32}$ " unless the hose has a 3" or larger ID in which case, it must be  $\frac{1}{16}$ ".
- 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 ID, 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 (page 52).
- 11. Test assembly using Procedure 4000: General Hydrostatic Testing Information (page 60) and Procedure 4001: Hydrostatic Testing (page 61).