

Procedure 2102: Installation of Pre-Formed Band Clamps Using Punch Style Tool and Air King Hose Shank Couplings

effective 02/08

Selection

- Select the proper pre-formed band clamp using Procedure 1001: Pre-formed Band Clamp Selection.

Preparation

- 1. Prepare and mark the hose using Procedure 1100: General Preparation Instructions.
- 2. Refer to Procedure 2101: Installation of Pre-formed Band Clamps Using Punch Style Tool.

Notes

- 1. For hoses having a helical wire make certain that the clamp tail and the helical wire are pointing in the same direction. Refer to Procedure 1100: General Preparation Instructions for illustration.
- 2. Never grasp the knob of a punch style tool with a closed fist.
- 3. Testing is the only way to know for sure that proper tension has been achieved. SAFETY
ALERT
- 4. When the knobbed lever will not go to the full down position, move the pulling dog lever to release the knobbed lever.
- 5. Use a hammer or mallet with a malleable iron or brass head.
- 6. When multiple clamps are used, clamp buckles must be offset to prevent a leak path.

Process

- 1. Slide the clamp(s) over the hose end.
- 2. Insert the coupling. Refer to step 9 of Procedure 1100: General Preparation Instructions.
 - a. *For single clamp installations on 3/8" and 1/2" couplings:*
 - 1) Position the clamp midway between mark on hose and hose end.
 - 2) Tension the clamp.
 - b. *For double clamp installations on 3/4" and 1" couplings:*
 - 1) Position the first clamp just inside (hose end side) mark on hose.
 - 2) Tension the clamp.
 - 3) Position the second clamp midway between the clamp just installed and the hose end.
 - 4) Tension the clamp.
 - c. *For double clamp installation on 5/8" coupling:*
 - 1) Position the first clamp just inside (hose end side) mark furthest away from hose end.
 - 2) Tension the clamp.
 - 3) Position the second clamp just inside (hose end side) mark closest to hose end.
 - 4) Tension the clamp.
- 3. Inspect results using Procedure 3002: Band Clamp Inspection.
- 4. Test the assembly using Procedures 4000: General Hydrostatic Testing Information and 4001: Hydrostatic Testing.