

## Procedure 3000: Criteria For Sufficient Fit of a Boss™ Clamp

*effective 02/08*

### **Notes**

- 1. Criteria for Sufficient Fit provides inspection guidelines for when the clamp has been assembled in accordance with the prescribed Procedure and all of the bolts are tightened to the correct torque value as stated on the Boss™ clamp page of the current DPL (Dixon® Product List).
- 2. Failure to adhere to these guidelines could produce poor clamp performance, leaking assemblies or even separation of hose and coupling that may cause property damage and/or serious injury to personnel.

### **Minimum Range**

- 1.  $\frac{1}{32}$ " clearance between clamp halves (both sides) for clamps designed to fit  $\frac{1}{4}$ " ID (Inside Diameter) through 2" ID hose.
- 2.  $\frac{1}{16}$ " clearance between clamp halves (both sides for 4 bolt clamps) or all segments (6 bolt clamps) for clamps designed to fit  $2\frac{1}{2}$ " ID through 6" ID hose.
- 3.  $\frac{1}{32}$ " clearance between clamp gripping fingers (all gripping fingers) and stem groove for all sizes.

### **Maximum Range**

- 1.  $\frac{1}{32}$ " interlock between clamp gripping finger and stem collar (all gripping fingers) for clamps designed to fit  $\frac{1}{4}$ " ID through 2" ID hose.
- 2.  $\frac{1}{16}$ " interlock between clamp gripping finger and stem collar (all gripping fingers) for clamps designed to fit  $2\frac{1}{2}$ " ID through 6" ID hose.
- 3.  $\frac{1}{32}$ " interlock between dovetail extensions (both sides) for clamps designed to fit  $\frac{1}{4}$ " ID through 2" ID hose.
- 4.  $\frac{1}{16}$ " interlock between dovetail extensions on both sides (4 bolt clamps) or all segments (6 bolt clamps) for clamps designed to fit  $2\frac{1}{2}$ " ID through 6" ID hose.