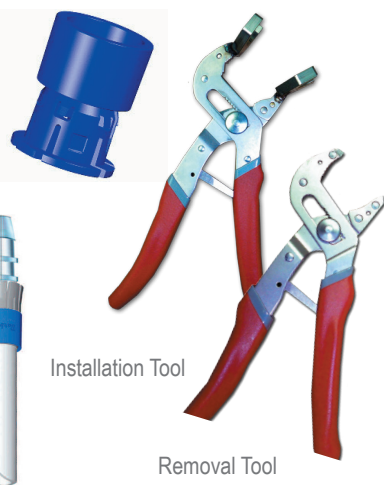
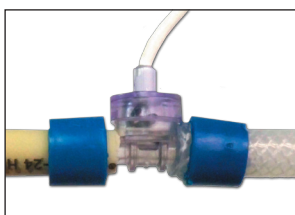


**Connecting Tube to PendoTECH Sensors With High Performance Connectors**

PendoTECH single use sensors are available with hosebarbs to optimize their integration to tubing. This design eliminates the need for costly components such as clamps, gaskets, and tubing adapters. If the sensors are used in a tubing application that will be exposed to pressures in the higher end of their rating (75 psi/5 bar) it may be desirable to use a tubing retainer that is more secure and leak proof than a cable tie, and one that gives 360 radial compression of the tubing to the fitting. Two products have been successfully used and qualified with the different size hose barbs used on PendoTECH sensors (the hose barb designs are common to the different types of sensors). The products and numbers are described below.

**BarbLock®**  
The Ultra-Secure Tubing Retainer

- Gives 360 degree compression over the hose barb ridge
- Snaps positively into place with installation tool
- Tube and barb MUST be matched for proper performance



Installation Tool

Removal Tool

Sensor Size (last 3 digits)	Tubing Type/Size	Part # Tool Part #	Leak Test Results*	Failure Mode*
-025	ID 1/4"/OD 7/16 (Masterflex size 24)	BL-24 BL-TOOL-025	Did not fail at 60 psi. No leakage was evident from the tube prior to burst failure.	Burst at 63 psi. Tubing began to inflate at 58 psi. The Barblock remained intact throughout testing.
-025	1/4" Reinforced Silicone Tubing	BL-24R BL-TOOL-025	Did not fail at 60 psi. No leakage was evident from the tube.	Testing was halted at 120 psi. The Barblock remained intact throughout testing.
-038	ID 3/8"/OD 9/16 (Masterflex size 36)	BL-36 BL-TOOL-038	No leakage was evident from the tube prior to burst failure.	Burst at 43 psi. Tubing began to inflate at 38 psi. The Barblock remained intact throughout testing.
-038	ID 3/8"/OD 5/8 (Masterflex size 73)	BL-73 BL-TOOL-038	No leakage was evident from the tube prior to failure (tubing inflation)	Tubing began to inflate at 45 psi., test stopped at 48 psi. The Barblock remained intact throughout testing.
-050	ID 1/2"/OD 7/8 (Masterflex size 88)	BL-88 BL-TOOL-050	No leakage was found prior to tubing failure.	Failed at 57 psi. Tubing began to inflate at 52 psi. The Barblock remained intact throughout testing.

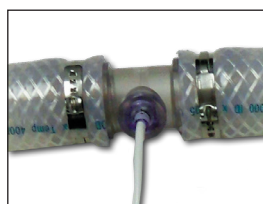
Removal Tool: BL-TOOL-R

\*Complete report on file at PendoTECH

For warranty information see our website at <http://www.pendotech.com/warranty>

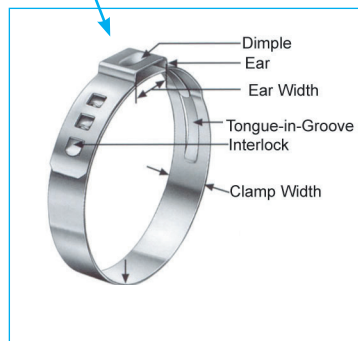
**OETIKER®**

- Applies 360 compression behind the barb
- Light weight, 316 stainless steel with specially formed edges to prevent component damage
- Flexibility to tighten to different diameters to compensate for different component tolerances



Installation Tool

Tool Pinches Ear



Part # (25 piece min order)	Clamping Range - Band	Sensor Size (last 3 digits)	Nominal Tubing OD
OT-16700989	5 mm	-025	3/8"
OT-16700997	7 mm	-038	1/2"
OT-16701015	7 mm	-050	5/8"
OT-16701029	7 mm	-075	3/4"
OT-16701072	7 mm	-075	7/8"
OT-16701203	7 mm	-075	1"
OT-16701225	7 mm	-100	1 1/4"

\*Other sizes available