

Red Head Brass, LLC

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INSTALLATION GUIDELINES – 8”, 10”, 12” KWIK-TACH™ COUPLINGS

Tools Required: 5/16” Hex Wrench, Square or Ball end (Ball end is best)
Ratchet Wrench (1/2” drive recommended)
5/16” Hex Bit Socket, Long (1/2” drive recommended)
Torque Wrench, Adjustable, Click type (1/2” drive recommended)
Utility Knife (or similar tool)

NOTE: Installation is best accomplished using two people

1. Ensure that the hose is cut square and there is no foreign or loose material on the inside or outside of the hose in the area to be clamped. (*Tip – If in the field, lay end of hose on ground and sandwich between lengths of 2x lumber. As a cut guide, offset top piece and square it to the hose. A framing square could also be used. Following the guide, carefully trim hose end squarely with a utility knife.*)
2. Holding the hose as round as possible, align the shank end of the coupling's tailpiece in the open end of the hose and slide it into the hose until the hose end is fully against the shoulder of the coupling. Depending on the fit of the hose on the shank, it may be necessary to tap the end of the coupling with a soft face mallet to get the end of the hose onto the last step of the shank. (*Tip – With the hose laid flat on the ground, turn up the end such that the end is at a good working height above ground. Folding the end of the hose back on itself once or twice before turning up may aid stability.*)
3. Align the clamp collar segments over the hose and directly over the shank. The ribs on the collar should be directly over the grooves in the shank. Make sure that the hose end is against the shoulder to insure that the hose will not pull back when pressurized. Using a 5/16” hex wrench/bit, moving from bolt to bolt, gradually and uniformly tighten the bolts on each segment. While tightening, maintain a uniform gap between segments. Do not tighten two of the segments completely together. Verify by feel or eye that the ribs on the collar are pushing the hose down into the grooves of the tailpiece. It may be necessary to move the collars along the hose a little to insure correct positioning. Using a torque wrench, tighten the bolts to their final suggested torque, 50/55 ft lbs (67/75 nm). During the tightening, make sure that the hose is not being pinched between the segments. When completed, a uniform gap should be visible between each segment. The gap will vary with the different wall thicknesses of the various makes and types of hose being clamped. (*Tip – Loosely assemble 2 segments, press against hose, relocating as required, to see collar lightly depressing hose into shank grooves. Second person loosely assemble other 2 segments, locate on hose and start bolt into other segments. Use hex wrench, then ratchet wrench, finish with torque wrench.*)
4. Red Head recommends that all couplings be tested to the hose manufacturers' specifications prior to placing the hose in service. After testing, re-torque the collar bolts to account for any hose stretch brought about by the testing. We also suggest that this be done yearly once in service. All testing should be done under controlled conditions in accordance with *NFPA 1961* or *NFPA 1962*.

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