



Do not attempt to install TruLink tubing and fittings without first reading and understanding this installation flyer and(or) watching the TruLink Installation video.

Compressed air is inherently dangerous and installation error can lead to serious injury or death.

WARRANTY INFORMATION

Applied System Technologies is proud to announce our Lifetime Warranty program, covering all pipe and fittings for the TruLink compressed air product line. This warranty is possible due to our long history of producing high quality piping systems, continuing our tradition of excellence and customer satisfaction. We are 100% committed to supplying the finest products available to our customers and always do our best to exceed their expectations.

This Lifetime Warranty is a testament to that commitment. Applied System Technologies will continue to be the leader and not the follower in our field. We will continue to develop new and innovative products that revolutionize the compressed air piping industry. The bottom line is that compressed air piping is what we do! That's our product. That's our focus. That's why we are the experts in our field.

To initiate a warranty claim, send an email to customerservice@appliedsystemtech.com. Include contact name, phone number and PO used to purchase product. Please include brief description of product problem. All warranty claims are subject to approval and discretion by manufacturer. Under no circumstances should a warranty repair occur without the express written direction of manufacturer. Manufacturer is not responsible for any warranty costs that are incurred outside of written direction from manufacturer. For additional product information and warranty details, please see our O&M Manual:

(<https://appliedsystemtech.com/wp-content/uploads/2023/11/22-OM-Manual-1.2-.pdf>)





TRULINK™

Trulink 73mm - 220mm Assembly Instructions:



All Tubing 73mm(2.5")-220mm(8") tubing utilizes Trulink Groove Technology. All tubing is supplied pre-grooved. Any section field cut must be cut straight and clean with a tubing cutter or a carbide-tipped, saw blade with a circular saw or chop saw, designed for cutting non-ferrous metals. Cut ends must be grooved using our grooving tools(Manual or Powered). Groove depths should match the factory-supplied grooves and should be checked with the groove gauge 73mm - 220mm (TC-GROOVE-TAPE)

TRULINK MANUAL GROOVE TOOL
(73mm - 168mm)
(TC-GROOVING TOOL M)



TRULINK POWERED, FLOOR STANDING GROOVE
TOOL (73mm - 220mm)
(CALL FOR DETAILS 704-947-6966)



TRULINK GROOVE GAUGE
(73mm - 220mm)
(TC-GROOVE-TAPE)



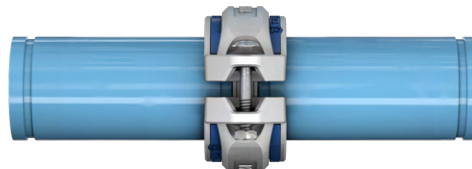
Couplings should not be disassembled for installation. Lubricant should be lightly applied to each side of the coupling's seal lip before installation. Tubing should be marked to indicate the full depth of insertion into the fitting before installation using our Depth Marking Gauge Kit 73mm - 220mm (TC-DMG-KT)

TRULINK DEPTH MARKING GAUGE KIT
(73mm - 220mm)
(TC-DMG-KT)



Insert the tubing into the coupling keeping the coupling and tubing in straight alignment. Ensure tubing is inserted all the way to the depth gauge mark.

TRULINK ASSEMBLY LUBRICANT
(73mm - 220mm) (PCTC-LUBE-FG)



SCAN HERE
to watch the complete
installation video or visit
appliedsystemtech.com/trulink-installation



Couplings should be tightened evenly in constant rotation until the coupling halves come together completely.

NPT Threaded Fitting Installation Instructions:

All Trulink piping threads are provided in National Pipe Taper (NPT). Fittings such as Point-of-use Manifolds and Threaded Adapters are the most common.

The following instructions will greatly increase your success in the installation of NPT fittings:

Properly installing NPT fittings start with an application of a high quality liquid thread sealant such as our offered, Jomar White Stuff (Part Number: PC-TC-SEAL-FG), Henkle Loc-tite 567, Rector Seal 5, or any other quality anaerobic thread sealant.



Sealants such as Teflon (PTFE) tape are not recommended as it does not fill the small voids in the NPT connection as thoroughly as liquid Sealants and can become dislodged causing contamination within the air stream. Liquid Sealants also provide lubrication that makes metal thread installation more manageable, and they help prevent galling.



Apply a thin layer of liquid thread sealant to the male threads ensuring that the threads are filled completely. Smooth the sealant around the threads as to leave no voids.



Place manifolds and ball valve kits into a vice to create a solid work platform for tightening the connection without being overly tight which can cause fitting damage. Never put Trulink fitting nuts in a vice. Never tighten NPT connections using the fitting nut. Always use the wrench flats provided on the fitting body for tightening NPT connections.

Reminder: We strongly recommend vice/bench building all manifolds and ball valve kits, prior to system installation to prevent damage at the final installation location.

Finger or hand tighten the Male NPT connection then apply torque to complete wrench tight. Wrench tight will vary depending on the size of the connection. A simple rule of thumb for installing NPT thread is finger tight plus 2-3 turns with a wrench. Be cautious of over tightening NPT connections, especially in smaller sizes. Never back off an installed fitting to get the correct alignment. Loosening installed NPT fittings disrupts the sealant, which causes leaking.

NPT taper can also act as a wedge. It is relatively easy to over tighten and permanently distort threads or even split or crack a female connection. Instead of torque measurement, it is hand tight plus the proper wrench tight engagement that produces a good, leak-proof connection.

Note: Do not use torque as a reference for installing NPT threaded components because there will always be variations in fitting manufacturers.

Reusing NPT threaded fittings:

Thoroughly inspect NPT fitting threads for possible damage before reusing them. Reusing NPT threads is not generally recommended because of possible permanent thread deformation created by over tightening during installation. NPT threads can also be damaged from repeated assembly and disassembly, making their reuse impractical. A general guideline is to replace NPT threaded fittings after two to three uses. Aluminum, Brass and Stainless-Steel fittings are not recommended for use more than once as they are more susceptible to deformation.

Finished NPT threaded connection leaking?

Depressurize the system, remove the fitting, clean off thread sealant, inspect thread for damage and reapply new sealant. Return to finger tight and then complete to wrench tight. Continuing to tighten rarely increases the sealing properties once pressure has been applied. Additional tightening can cause damage.