This self-sealing, automatic locking device works on a "push-on, pull-off" principle. Instantly connects and seals pressure and vacuum lines to straight end tubing.

TC

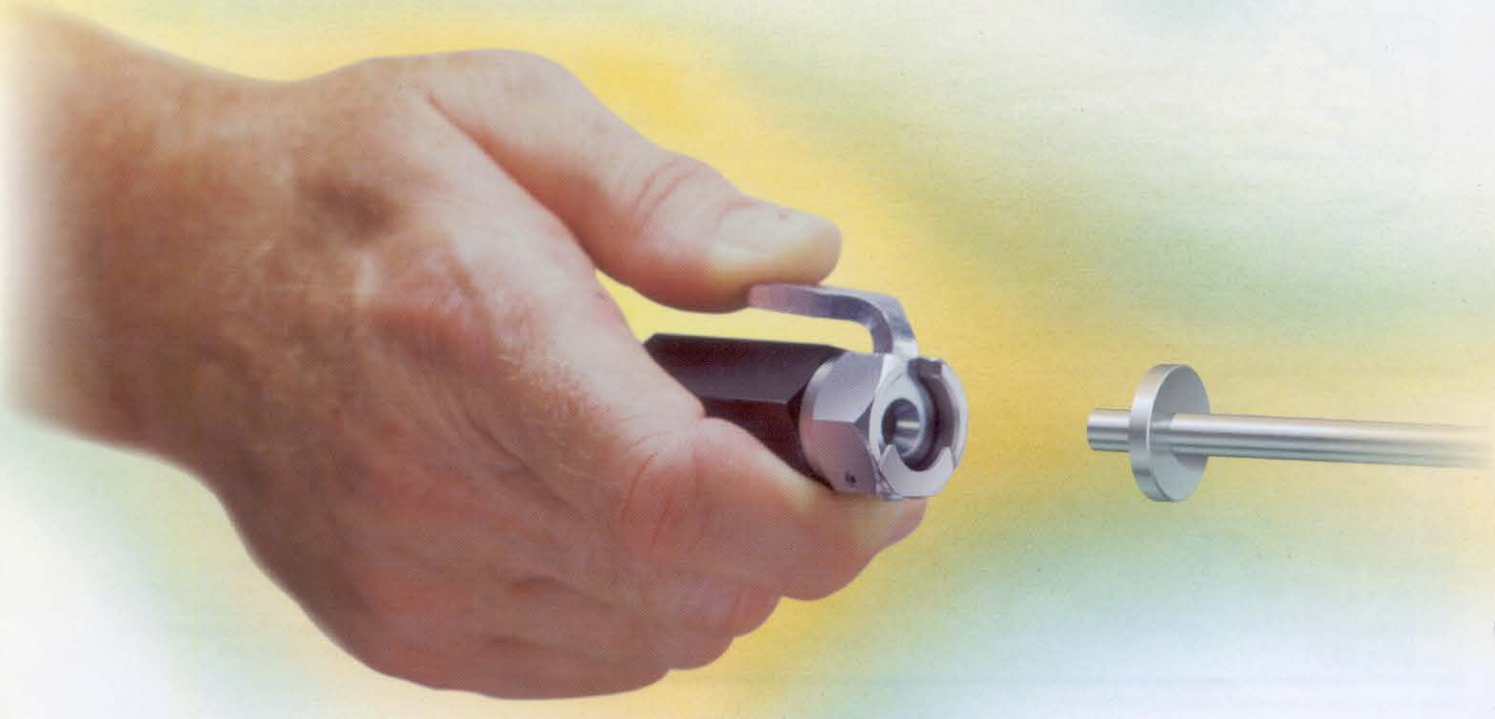
1/8″ to 2 1/4″ O.D. (3 mm to 57 mm)

TUBE CONNECTORS — STRAIGHT TUBE SINGLE MOTION/ HIGH SPEED LEAK TEST TOOL

Pressures to 650 PSI (44 Bar)

RTC

For short length tubes to 5/8″ O.D. (7mm to 15mm)



THE TC TUBE CONNECTOR

was originally developed for production line use on refrigeration coils, but also has earned overwhelming acceptance for use on compressor units, heat exchangers... in fact any assembly which requires a quick, easy and efficient way to attach pressure and/or vacuum lines to straight end tubing.

Connection to tubing is instantaneous. Just attach the connector to the service line, depress the lock lever and push on over tubing, pressing firmly to the stop position.This automatically locks the tube into place for a leak-free seal, ready for pressure testing or charging with refrigerant.

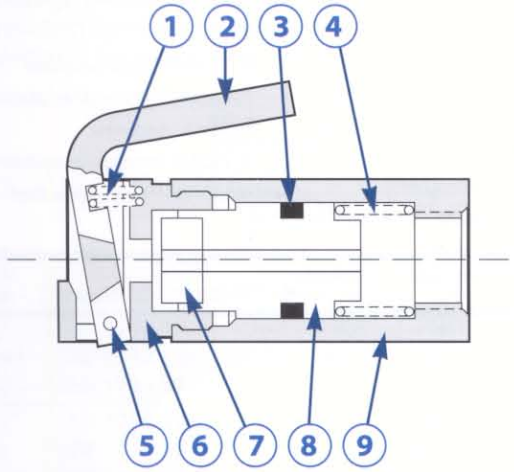
The RTC tube connector has been specially designed for use in applications where only a short length of pipe or tube is available for engagement. Just attach the connector to the service line, depress the lock lever and push on over the tubing, until the spring loaded seal and plunger assembly is depressed 1/8 inch minimum.

This automatically locks the tube in place for an airtight seal, ready for leak testing or charging with refrigerant.

To disconnect the tubing, relieve the test pressure and then merely press the lock lever and pull off. It's that simple.

Tuthill TC and RTC Tube Connectors are recommended for a wide variety of services with air, water, and most new refrigerants.

Standard TC and RTC connectors are of aluminum construction with a heat treated and plated steel lock lever. Neoprene seals and packing, suitable for temperatures from -20° to 250°F (-29° to 121°C), are standard, but other seal and quad ring materials are available. Also available are STC and SRTC connectors with all metal parts, except the lock lever, of stainless steel construction.



Model Number◆	Standard Tube Size O.D.	Minimum Tube Length	CONNECTOR DIMENSIONS O.D.	Length	Inlet
TC SERIES					
TC 1300 57*	1/8"	1 1/4"	7/8" hex	2 3/8"	1/4" NPT
TC 1301 57*	3/16"				
TC 1302 57	1/4"				
TC 1303 57	5/16"	1"	7/8" hex	2 3/8"	1/4" NPT
TC 1304 57	3/8"				
TC 1305 57	1/8" Pipe				
TC 1306 57	7/16"				
TC 1307 57	1/2"	1 1/4"	1 1/4" hex	3"	1/4" NPT
TC 1308 57	1/4" Pipe				
TC 1309 57	9/16"				
TC 1310 57	5/8"				
TC 1311 57	3/8" Pipe				
TC 1312 57	11/16"				
TC 1313 57	3/4"				
TC 1314 57	13/16"	1 1/2"	1 3/4" hex	3 7/8"	3/8" NPT
TC 1315 57	1/2" Pipe				
TC 1316 57**	7/8"				
TC 1317 57**	15/16"				
TC 1000 57	1"				
TC 1319 57	3/4" Pipe				
TC 1320 57	1 1/16"				
TC 1321 57	1 1/8"				
TC 1322 57	1 3/16"				
TC 1323 57	1 1/4"	1 7/8"	2 1/4" hex	5 1/16"	1/2" NPT
TC 1324 57	1 5/16"				
TC 1325 57	1" Pipe				
TC 1326 57**	1 3/8"				
TC 1327 57**	1 1/2"				
TC 1328 57	1 5/8"				
TC 1329 57	1 1/4" Pipe				
TC 1330 57	1 3/4"				
TC 1331 57	1 7/8"	2 1/4"	3" hex	6 1/8"	3/4" NPT
TC 1332 57	1 1/2" Pipe				
TC 1333 57	2"				
TC 1334 57**	2 1/8"				
TC 1335 57**	2 1/4"				
RTC SERIES					
RTC 1602 57	1/4"				
RTC 1603 57	5/16"	11/16"	7/8" hex	2 3/8"	1/4" NPT
RTC 1604 57	3/8"				
RTC 1605 57	1/8" Pipe				
RTC 1606 57	7/16"				
RTC 1607 57	1/2"	7/8"	1 1/4" hex	3"	1/4" NPT
RTC 1608 57	1/4" Pipe				
RTC 1609 57	9/16"				
RTC 1610 57	5/8"				

*Seal on O.D. of tube
**Pressures to 500 psi only

Note: Adaptable to nominal metric dimensions.

◆ *When ordering, please specify model number, tube O.D., minimum available length, test pressure, media and media temperature. Tolerance of bore must be +.003/-.005 maximum.*

PART *material*

1. **LEVER SPRING** *stainless steel*
2. **LOCK LEVER** *hardened and plated steel*
3. **QUAD RING** *neoprene*
4. **COMPRESSION SPRING** *stainless steel*
5. **LEVER PIN** *hardened and plated steel*
6. **HEAD** *anodized aluminum*
7. **TUBE SEAL** *neoprene*
8. **PLUNGER** *anodized aluminum*
9. **CYLINDER** *anodized aluminum*