

# INSTALLATION INSTRUCTIONS

The following instructions are to assemble a push-fit connection system. Make sure that the push-fit fittings and their installation comply with local plumbing and building codes.

## Connecting a Joint

Select the correct size fitting and tubing for the job. Verify that the fittings and tubing are clean, in good condition and are free from damage and foreign objects. Cut the tube so that the ends are square. Make sure that there are no burrs or damage to the cut end. Wherever possible proper tube cutting tools such as rotary tube cutters (copper tubing) or tube shears (for plastic tubing) should be used. Once the tubing end is cut square and clean, use the proper depth (see below) and scribe a mark on the outside of the tubing. This mark is used to ensure that the joint is assembled correctly and that the tubing is pushed into the fitting until it meets the tube stop. Follow the following three steps to insert the tubing into the fitting.

- 1 Insert the tube through the release collar to rest against the grab ring.
  - 2 Push the tube firmly with a slight twisting action until it reaches the tube stop.
  - 3 To ensure that the tube is correctly inserted, check that the depth mark is within 0.05 in (1.3 mm) of the end of the release collar.
- \* You must insert a stiffener sleeve in all PEX pipe before connecting the joint. This will give more rigidity to the length of pipe within the fittings, reducing the chance of leaks if a side load is applied to the assembly.

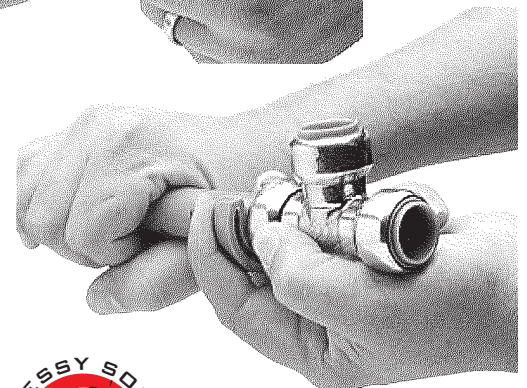
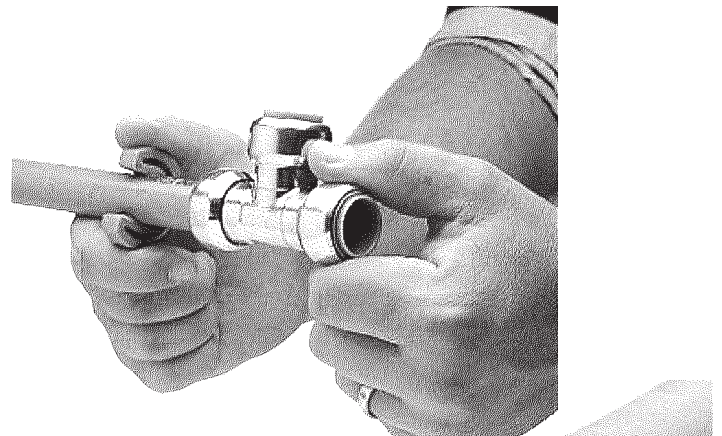
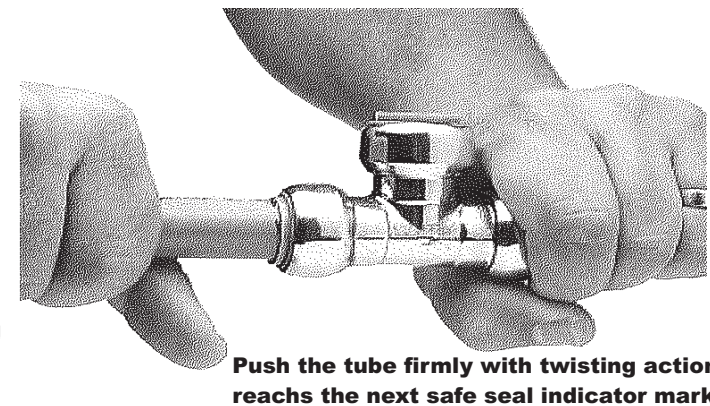
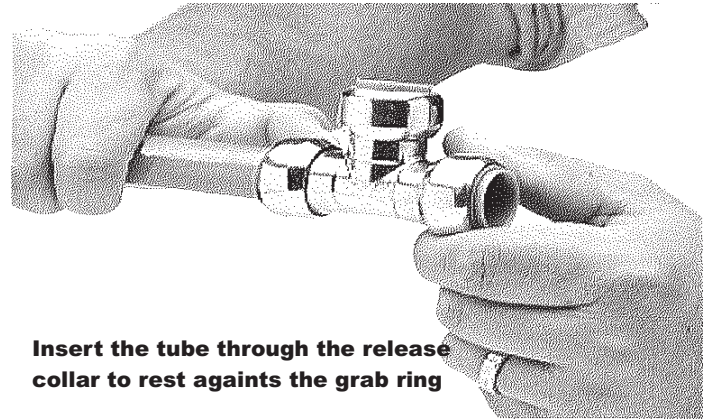
**Proper depth:** 1/2" & 3/4" tube = 1" (25.4 mm)  
1" tube = 1.25" (31.75 mm)

Note: Some materials, such as concrete or soil can corrode brass. If the fittings are to be buried in concrete or soil, cover the fitting to prevent contact with the elements. Chloride-free tape or tightly wrapped and sealed insulation works well. (Check with local codes to verify this is acceptable).

## Disconnecting a Joint

Disconnection of the joint can only occur by using the disassembly clip. By applying pressure to the release collar with the clip, the grab ring teeth are splayed. This action releases the tube, allowing it to be removed from the fitting.

- 1 Place the disassembly clip around the tube with the non-branded face against the release collar.
- 2 Push the clip against the release collar and pull the tube with a twisting action to release the tube.
- 3 Check the fitting and tube end for damage. The fitting should be free of damage and foreign objects. The tubing should be free of damage and marks on the outside diameter. If the tubing is damaged or marked, then cut and use a new section of tubing.



Tested by:



In compliance with:

