

# Legines PTC Composite

## Product Features

Brass Collet  
Buna N o-ring  
Stainless Steel Tube Support  
Meets D.O.T.FMVSS 57.106  
Meets SAE J2494-3  
Composite Body-Strong,Lightweight  
Compact and Impact Resistant  
Plug-in congurations



**D.O.T.FMVSS 571.106**

**Fittings comply with the performance requirements**



57



## How to Use Legines DOT series fittings

Transportation Push-to-Connect Fittings  
Legines -DOT push-in fittings are designed for easy use and fast installation, Lightweight



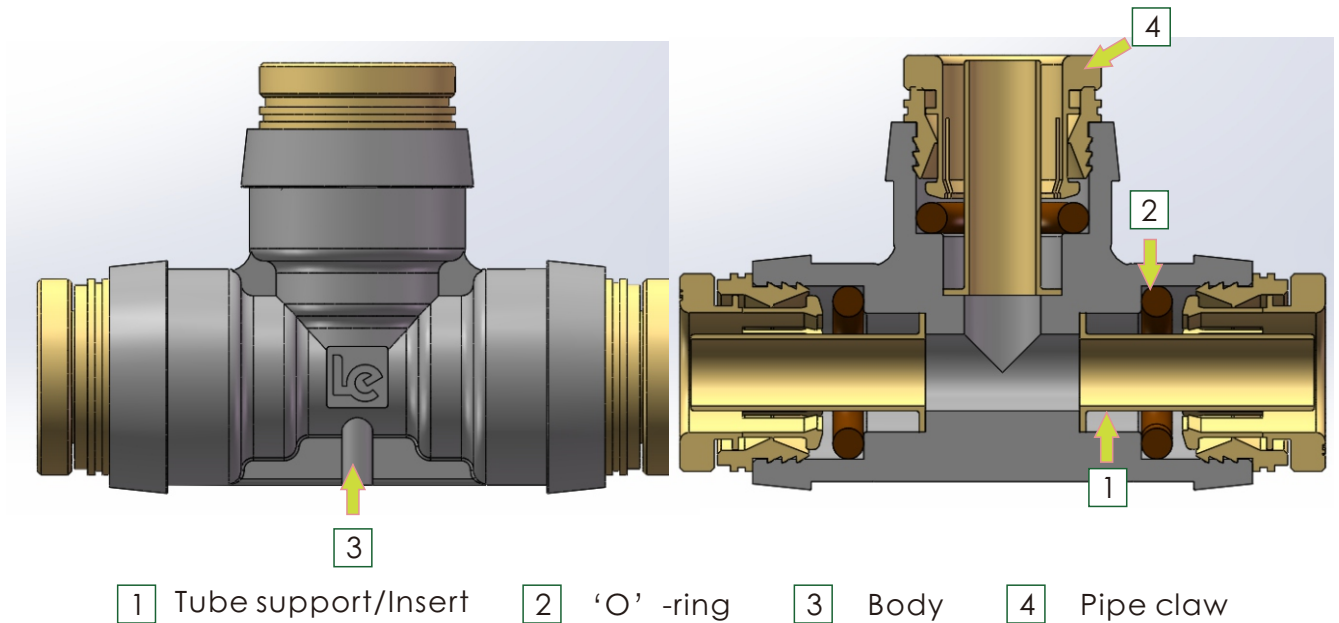
To connect tube:  
Cut the plastic tubing as squarely as possible. Insert the tube into the fitting until you feel the friction as the tube slides past the O-ring. (Using a slight twisting motion while inserting the tube often helps.) Once you feel this friction, continue to push the tube inward until it bottoms firmly against the internal tube stop.

**NOTS:** Apply silicone oil to the end of the pipe appropriately to increase lubrication and avoid damage to o-ring due to uneven pipe



To disconnect tube:  
With middle finger and fore finger, hold the top of the insert down against the fitting body and, with the other hand, pull out the tubing. No tools are needed

**When tubing (1) is inserted into the fitting, the inside diameter passes over the brass tube support (2). This, combined with the action of the gripper, insures that the air brake hose assembly will safely exceed the tensile requirements of FMVSS-106. The tubing then passes through the gripping teeth (3). The tubing continues beyond the gripping teeth through the inside diameter of the lubricated "O" ring (4) which seals on the outside diameter of the tubing. The gripping teeth grab the tube. Pulling back on the tube only tightens the grip on the tubing as the insert moves onto the camming surface (5). Pressure through the tube also serves to tighten the grip. The tube bottoms against a positive tube stop (6) in a cavity which keeps tube round to prevent leakage.**



## Typical Application:

Air systems.

## Pressure:

Working pressure from vacuum to 250 psi

## Vibration:

Fair resistance.

## Temperature Range:

Working temperature from -40° F to +200° F (Note: see tubing manufacturer' s recommendations for pressure and temperature limitations)

## Material:

CA 360 Brass for Barstock fittings. Composite Nylon.

## Compatible Tubing:

SAE J844 Type A&B Nylon Tubing

## TUBE O.D SIZE

