

Style and Description

Unquestionably versatile and used extensively throughout the Pneumatics Industry, Internal Compression fittings provide tradesman with a product suitable for applications involving high levels of vibration because the nut gives added tube support. Like most compression products, Internal Compression fittings consist of a nut(s), sleeve(s), body, requires only minimal tube preparation and specialist tools are not required to effect a sound joint.



Working Pressure

- 0-3500kPa depending upon tube size and media.

Media / Application

- ✓ Compressed air lines
- ✓ Water
- ✓ Fuel lines
- ✓ Oil lines
- ✓ Lubrication lines
- ✗ Gas

Construction

- Compression nut
- Universal sleeve
- Compression body
- Material: 352 DZR Alloy
- Pipe Thread BSP: AS ISO 7.1/2 (previously AS 1722.1) Tapered Male (R series) Parallel Female (Rp Series)

Tube

- ✓ Nylon
- ✓ Poly tube
- ✓ Copper - Annealed and hard drawn
- ✓ Aluminium
- ✓ Brass
- ✗ Steel Bundy
- ✗ Stainless steel

Assembly & Installation

1. Cut the tube square, clean and remove any burrs or loose cuttings.
2. If using metallic tube, move to point 3. If using non-metallic tube, insert a TubeFit No. 99 spigot into the end of the tube.
3. Loosen nut 1/2 turn and insert tube into the mouth of the fitting. Ensure the tube passes through the sleeve and rests against the tube stop. (The tube is resting against the tube stop when the tubing can no longer be inserted any further into the body of the fitting).
4. From finger tight, tighten nut to 'spanner firm' position (**Caution: do not over-tighten**).
5. If used in a pneumatic application, apply a soapy solution to the joint to be certain a positive seal has been made. Visually inspect for leaks if used in an hydraulic application.