

Style and Description

Used extensively in the Plumbing and Gas Sectors, SAE 45° Flare fittings offer an excellent alternative to fittings that require a heat/flame to complete a seal. Flare fittings require the tube to be 'belled' or flared prior to assembly as the flared piece of tube is held in place between the nut and body.

Flare Fittings are ideal in situations involving mid-high level vibration.

Working Pressure

0-17250kPa depending upon tube size and media.

Media / Application

- ✓ Potable Water
- ✓ Gas
- ✓ LPG (Auto, domestic and commercial)
- ✓ Fuel and brake lines
- ✓ Refrigeration lines
- ✓ Hydraulics
- ✓ Pneumatics

Construction

- Flare Nut
- Flare 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)
- Pipe Thread NPT

Tube

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

Assembly & Installation

1. Cut the tube square, clean and remove any burrs or loose cuttings.
2. Slide tube nut over the tubing.
3. Using a 45° flaring tool, flare the end of the tube (as per tool instructions).
4. After the tube has been flared, ensure the tube nut is able to pass over the flared end and mate with the seat of the nut.
5. Assemble the tube nut onto fitting and tighten until 'spanner firm' (**Caution: do not over-tighten**).
6. 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.

