

# Parker Product Datasheet



These 'universal' fittings provide users with numerous connection options for a wide variety of tube materials without the need for tube threading or soldering.

This range guarantees excellent long-term sealing and performance.

**PART NUMBER:** 0108 08 10

**SHAPE:** Male stud branch tee fixed thread

**CONNECTION 1 THREAD SIZE (METRIC):** R1/8

**CONNECTION 1 THREAD STYLE:** BSPT

**CONNECTION 2 TUBE O.D. (MM):** 8

**PRODUCT TYPE:** Brass compression fittings

**O-RING MATERIAL:** na

## PRODUCT OVERVIEW

These 'universal' fittings provide users with numerous connection options for a wide variety of tube materials without the need for tube threading or soldering.

This range guarantees excellent long-term sealing and performance.

Features/Benefits:

- Simple to Install and Use

- Suitable for pneumatic and medium pressure hydraulic applications
- Compatible with many industrial fluids
- Large product range: 22 configurations

- Excellent sealing due to the tightening of the olive onto the tube
- Metallic sealing guarantees maximum service life
- High strength brass for increased mechanical reliability

#### - Wide Variety of Tubing

- Connection of different types of tubing and hose: metal, polymer, steel, rubber, etc.
- Multiple tube diameters can be connected using the Parker Legris reducer assembly system
- No insert required for rigid and semi-rigid polyamide tubing below 14 mm

#### Markets:

- Packaging
- Miscellaneous Manufacturing
- Vehicle Assembly Facilities
- Machine Tools

#### Applications:

- Pneumatic Machinery Equipment at Medium and High Pressure
- Lubrication Systems
- Cooling Systems
- Welding Robots
- Suitable for Vacuum Applications

#### Technologies:

- Brass compression fittings
- Compression fittings
- Universal fittings
- Pneumatic fittings
- Pneumatic applications
- Hydraulic applications
- Connects to Copper tube
- Connects to Brass tube
- Connects to Steel tube
- Connects to Polyamide tube

#### Technical Characteristics:

- Fluids: Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
- Materials: steel, polymer, brass
- Pressure: Vacuum to 550 bar
- Temperature: -40°C to +250°C

#### Regulations:

- CNOMO: E07.21.115N (for robotic equipment in the automotive industry)
- DI: 97/23/EC (PED)
- RG: 1907/2006 (REACH)
- DI: 2002/95/EC (RoHS)
- DI: 94/9/EC (ATEX)

#### Product Types:

- Stud Fitting, Male BSPT Thread
- Stud Fitting, Male NPT Thread
- Stud Fitting with Captive Sealing Washer, Male BSPP and Metric Thread
- Stud Fitting, with Bi-Material Seal, Male BSPP
- Stud Fitting, Male Metric Thread
- Stud Fitting, Female BSPP Thread
- Stud Elbow, Male BSPT Thread
- Stud Elbow, Male NPT Thread
- Stud Orientable Elbow, Male BSPP Thread
- Stud Branch Tee, Male BSPT Thread
- Stud Run Tee, Male BSPT Thread
- Single Banjo, with Captive Sealing Washer, Male BSPP Thread
- Single Banjo with Bi-Material Seal, Male BSPP Thread
- Double Banjo with Captive Sealing Washer, Male BSPP Thread
- Double Banjo with Bi-Material Seal, Male BSPP Thread
- Equal Tube-to-Tube Connector
- Equal Tube-to-Tube Connector with Mounting Boss
- Equal Bulkhead Connector
- Equal Elbow
- Equal Tee
- Equal Y Piece with Mounting Boss
- Equal Cross

## TECH SPECIFICATIONS

|                                      |                                                                                                                                                             |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SLEEVE MATERIAL</b>               | BRASS                                                                                                                                                       |
| <b>DIVISION</b>                      | Low Pressure Connectors Europe Division                                                                                                                     |
| <b>MAXIMUM OPERATING TEMPERATURE</b> | 100 °C                                                                                                                                                      |
| <b>APPLICATION</b>                   | Pneumatics, Cooling, Automotive Process, Lubrication, Fluid Transmission, Packaging, Industrial Machinery                                                   |
| <b>NUT MATERIAL</b>                  | BRASS                                                                                                                                                       |
| <b>WEIGHT</b>                        | 0.043 kg                                                                                                                                                    |
| <b>QUANTITY PER BOX</b>              | 10                                                                                                                                                          |
| <b>SPECIFICATIONS MET</b>            | CNOMO: E07.21.115N (for robotic equipment in the automotive industry), DI: 97/23/EC (PED), RG: 1907/2006 (REACH), DI: 2002/95/EC (RoHS), DI: 94/9/EC (ATEX) |
| <b>MINIMUM OPERATING TEMPERATURE</b> | -40 °C                                                                                                                                                      |
| <b>MEDIA</b>                         | Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants                                                                   |