# 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:** 0116 05 00
**CONNECTION 1 THREAD STYLE:** na
**CONNECTION 1 THREAD SIZE (METRIC):** na
**SHAPE:** Bulkhead connector tube / tube
**PRODUCT TYPE:** Brass compression fittings
**O-RING MATERIAL:** na
**CONNECTION 2 TUBE O.D. (MM):** 5

## 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

| | |
|---|---|
| **NUT MATERIAL** | BRASS |
| **QUANTITY PER BOX** | 10 |
| **SLEEVE MATERIAL** | BRASS |
| **MINIMUM OPERATING TEMPERATURE** | -40 °C |
| **DIVISION** | Low Pressure Connectors Europe Division |
| **APPLICATION** | Pneumatics, Cooling, Automotive Process, Lubrication, Fluid Transmission, Packaging, Industrial Machinery |
| **MAXIMUM OPERATING TEMPERATURE** | 100 °C |
| **SPECIFICATIONS MET** | 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) |
| **MEDIA** | Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants |
| **WEIGHT** | 0.035 kg |