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: 0109 16 17
CONNECTION 2 TUBE O.D. (MM): 16
CONNECTION 1 THREAD SIZE (METRIC): R3/8
SHAPE: Male stud elbow fixed 90° thread
CONNECTION 1 THREAD STYLE: BSPT
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

NUT MATERIAL	BRASS
APPLICATION	Pneumatics, Cooling, Automotive Process, Lubrication, Fluid Transmission, Packaging, Industrial Machinery
WEIGHT	0.121 kg
MEDIA	Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
MINIMUM OPERATING TEMPERATURE	-40 °C
SLEEVE MATERIAL	BRASS
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)
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING TEMPERATURE	100 °C
QUANTITY PER BOX	5