

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 18 21
CONNECTION 1 THREAD SIZE (METRIC): R1/2
CONNECTION 1 THREAD STYLE: BSPT
PRODUCT TYPE: Brass compression fittings
CONNECTION 2 TUBE O.D. (MM): 18
O-RING MATERIAL: na
SHAPE: Male stud elbow fixed 90° thread

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

MEDIA	Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
MINIMUM OPERATING TEMPERATURE	-40 °C
DIVISION	Low Pressure Connectors Europe Division
QUANTITY PER BOX	5
MAXIMUM OPERATING TEMPERATURE	100 °C
SLEEVE MATERIAL	BRASS
WEIGHT	0.179 kg
APPLICATION	Pneumatics, Cooling, Automotive Process, Lubrication, Fluid Transmission, Packaging, Industrial Machinery
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)
NUT MATERIAL	BRASS