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: F3BMB12-1/2
CONNECTION 2 TUBE O.D. (MM): 12
CONNECTION 1 THREAD STYLE: BSPT
O-RING MATERIAL: na
SHAPE: Male stud fitting thread
PRODUCT TYPE: Metrulok Brass compression fittings
CONNECTION 1 THREAD SIZE (METRIC): R1/2

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

DIVISION	Low Pressure Connectors Europe Division
WEIGHT	0.064 kg
NUT MATERIAL	BRASS
BODY MATERIAL	BRASS
QUANTITY PER BOX	10
SLEEVE MATERIAL	BRASS
MAXIMUM OPERATING TEMPERATURE	190 °C
MINIMUM OPERATING TEMPERATURE	-60 °C
SPECIFICATIONS MET	CNOMO: , PED, REACH, RoHS, ATEX
MEDIA	Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
APPLICATION	Pneumatics, Cooling, Automotive Process, Lubrication, Fluid Transmission, Packaging, Industrial Machinery