

Parker Product Datasheet



To meet severe and demanding applications such as pneumatic circuits in rail and road transportation, Prestomatic 2 fittings conform to the international standards offering robustness, reliability and mechanical resistance.

PART NUMBER: F8UNPMB12M16BP
CONNECTION 1 TYPE: Metric
CONNECTION 1 THREAD SIZE: M16x1.5
PRODUCT STYLE: Stud Fitting Metric Thread (bulk packaging)
CONNECTION 4 TUBE OUTSIDE DIAMETER: 12 mm (O.D.)

PRODUCT OVERVIEW

To meet severe and demanding applications such as pneumatic circuits in rail and road transportation, Prestomatic 2 fittings conform to the international standards offering robustness, reliability and mechanical resistance.

Features/Benefits:

- Versatility

- Extreme compactness for space-saving
- High robustness
- Excellent mechanical properties adapted to severe working conditions
- Integrated metallic tube support reinforces tube alignment and tube retention for:
excellent resistance to vibration
sealing ensured over time

increased resistance to tube removal

- Fully re-usable to reduce maintenance costs

- High Performance

- Positive hold by an innovative gripping ring design allowing absorption of vibration and pulsating pressure
- Twist-free assembly allowing free tube rotation even under pressure and high resistance to tube expansion
- Extreme temperature resistance: up to -50°C for increased lifespan

- Reliability

- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Suitable with flexible tubing in braking system

Markets:

- Rail
- On-Highway Vehicles

Applications:

- Compressed Air Conveying from Very Low to High Temperature
- Suitable for Onboard Applications Requiring Mechanical Resistance
- Air Braking Systems
- Air Suspension
- Chassis
- Engine Braking
- Gearbox
- Pantograph
- Motricity Control

Technologies:

- Pneumatic Fittings
- Instant Fittings
- Quick Fittings
- Rail Transportation

- Road Transportation

Technical Characteristics:

- Compatible fluids: Compressed air
- Materials: Brass, nitrile, stainless steel, polyamide
- Pressure: 0 to 25 bar
- Temperature: -40°C to +100°C (For lower temperature applications, please consult us)

Regulations:

- EN 45545-2: HL3, R22, R24, R25 classification can be attained when used with fireproof tubing
- Fully adapted to transportation braking system applications with tubing:
- DIN 74324-1
 - DIN 73378
 - NF-R12-632-2

Product Types:

- Stud Fitting, Male Metric Thread
- Stud Fitting, Male NPT thread
- Equal Mixed Bulkhead Adapter
- 90° Elbow, Male Metric Thread
- 45° Elbow, Male Metric Thread
- Stud Branch Tee, Male Metric Thread
- Stud Branch Tee, Male Metric Thread, In-Line Test Point
- Equal Connector
- Equal Bulkhead Connector
- Equal and Unequal 90° Plug-In Elbow
- Equal and Unequal Tee
- 90° Elbow, Male/Female Metric Thread
- 45° Elbow, Male/Female Metric Thread
- Female Run Tee, Male Metric Thread
- Branch Tee, Male/Female Metric Thread
- Tee with Mounting Boss, Female Metric Thread
- Increaser, Male/Female Metric Thread
- Reducer, Male/Female Metric Thread
- Conversion Fitting, Male Metric/Female NPT Thread
- Conversion Fitting, Male Metric/Female BSPP Thread
- Straight Male Adaptor, Male Metric Thread

- Bulkhead Union, Female Metric Thread
- Bulkhead Union, Male/Female Metric Thread
- Stud Test Point, Male Metric Thread
- Test Point 90° Elbow, Male Metric Thread
- Test Point 45° Elbow, Male Metric Thread
- Drain Valve, Male Metric Thread
- Plug, Male Metric Thread
- Blanking Plug
- Bulkhead Locknut

TECH SPECIFICATIONS

FOR FLUID TYPE	Compressed Air
GRIPPING RING MATERIAL	Stainless Steel
MAXIMUM OPERATING TEMPERATURE	100 °C
APPLICATION	Gearbox
APPLICATION	Pantograph
DIVISION	Low Pressure Connectors Europe Division
APPLICATION	Air Suspension
APPLICATION	Chassis
APPLICATION	Engine Braking
APPLICATION	Motricity Control
MINIMUM OPERATING TEMPERATURE	-40 °C
APPLICATION	Air Brake Systems
SPECIFICATIONS MET	EN 45545-2: HL3, R22, R24, R25. Classification can be attained when used with fireproof tubing. Fully adapted to transportation braking system applications with tubing: DIN 74324-1, DIN 73378, NF-R12-632-2
WEIGHT	0.037 kg
BODY MATERIAL	Brass

MAXIMUM OPERATING PRESSURE 25 barg

QUANTITY PER BOX 150