Parker Product Datasheet



Parker Legris offers a wide range of adaptors and manifolds compatible with the various Parker Legris fitting systems.This range of products provides a complete solution covering numerous applications, both in non-corrosive and corrosive environments.

PART NUMBER: 0179 17 21
PRODUCT TYPE: Adaptors
MOUNTING POSITION: n/a
SHAPE: n/a
CONNECTION 1 TYPE: BSPP / BSPP
NUMBER OF OUTLETS: n/a
BODY MATERIAL: Brass, Nickel-plated
SEAL MATERIAL: NBR
NUT HEX SIZE: n/a
PRODUCT STYLE: Increaser Male to Female
CONNECTION 1 THREAD SIZE: G 3/8 / G 1/2

PRODUCT OVERVIEW

Parker Legris offers a wide range of adaptors and manifolds compatible with the various Parker Legris fitting systems.

This range of products provides the user with a complete solution covering numerous applications, both in non-corrosive and corrosive environments.

Features/Benefits:

- Large Range & Flexibility

• A complete offer, from the simple adaptor to a modular manifold solution
• Large selection of materials for excellent chemical compatibility: brass, steel, stainless steel, aluminium
• Surface treatment for increased corrosion resistance: nickel-plated brass or anodised aluminium
• Stainless steel for corrosive environments
• BSPP, BSPT, NPT and metric threads

- Performance

• Robust design
• Suitable for low to high pressure, depending on configuration and material
• Forged shapes for mechanical strength

Markets:

• Factory Automation
• Miscellaneous manufacturing
• Packaging
• Vehicle Assembly Facilities
• Wearing Apparel
• Food and Beverage

Applications:

• Suitable for Corrosive and Non Corrosive Environments
• Suitable for High and Medium Pressure

Technologies:

• Bulkhead connector
• Equal tee
• Manifold block
• Fitting system
• Pneumatic fittings
• Brass adaptor
• Stainless steel adaptors
• Brass connectors

Technical Characteristics:

• Materials:
Adaptors and Plugs: Brass, nickel-plated brass, stainless steel 316L, steel
Manifolds: Anodised aluminium
• Pressure:
Adaptors and Plugs:
Brass: 1/8' to 1/2': 200 bar; 3/4' and 1': 150 bar; 1¼' to 2': 100 bar, without sealing washer
Nickel-plated brass: 60 bar
Stainless steel 316L: 1/8' to 1/2': 200 bar; 3/4' and 1': 150 bar; 1¼' to 2': 100 bar, without sealing washer
Steel: 1/8' to 1/2': 200 bar; 3/4' and 1': 150 bar; 1¼' to 2': 100 bar, without sealing washer
Manifolds:
Anodised aluminium: 20 bar
• Temperature:
Adaptors and Plugs:
Brass: -40°C to +150°C without sealing washer; -20°C to +80°C with sealing washer
Nickel-plated brass: -10°C to +80°C
Stainless steel 316L: -20°C to +180°C
Steel: -10°C to +80°C
Manifolds:
Anodised aluminium: -10°C to +80°C

Product Types:

• Equal Threaded Elbow, Female BSPP Thread
• Equal Stud Elbow, Male BSPT/Female BSPP Thread
• Equal Elbow, Male BSPT Thread
• Equal Tee, Female BSPP Thread
• Stud Branch Tee, Male BSPT/Female BSPP Thread
• Equal Bulkhead Coupling, Female BSPP and Metric Thread
• Equal Connector, Female BSPP Thread
• Adaptor, Male NPT/Female BSPP Thread
• Adaptor, Male BSPT/Female NPT Thread
• Reducer, Male BSPP/Female BSPP and Metric Thread
• Unequal Reducer, Male BSPT/Female BSPP Thread
• Increaser, Male/Female BSPP Thread
• Straight Male Adaptor, Male BSPT Thread
• Equal Adaptor, Male NPT/BSPT Thread

- Equal 3-Piece Adaptor, Male BSPT Thread
- Tailpiece Adaptor for Rubber Hose, Male BSPT Thread
- Tailpiece Adaptor for Flexible Tubing, Male BSPT Thread
- Equal Stud Elbow, Female BSPP and Metric Thread
- Equal Stud Elbow, Male/Female and Metric Thread
- Equal Stud Elbow, Male BSPT/ Female BSPP Thread
- Equal Stud Elbow, Male Metric Thread
- Equal Stud Elbow, Male BSPT Thread
- Equal Y, Female BSPP Thread
- Equal Y, Male BSPT/Female BSPP Thread
- Equal Tee, Female BSPP and Metric Thread
- Equal Stud Branch Tee, Female/Male Metric Thread
- Equal Stud Branch Tee, Male BSPT/Female BSPP Thread
- Equal Stud Run Tee, Male BSPT/Female BSPP Thread
- Equal Stud Run Tee, Male BSPT/Female BSPP Thread
- Equal Tee, Male BSPT Thread
- Equal Stud Branch Tee, Male BSPT/Female BSPP Thread
- Equal Stud Run Tee, Male BSPT/Female BSPP Thread
- Equal Cross, Female BSPP Thread
- Equal Cross, Male BSPT/Female BSPP Thread
- Reducer, Male/Female BSPP Thread
- Reducer, Male BSPT/Female BSPP Thread
- Reducer, Male BSPP/Female BSPP and Metric Thread
- Increaser, Male BSPP and Metric/Female BSPP Thread
- Equal Extended Adaptor, Male/Female BSPP Thread
- Bulkhead Connector, Female BSPP and Metric Thread
- Equal and Unequal Adaptor, Male BSPT Thread
- Equal and Unequal Adaptor, Male BSPP and Metric Thread
- Equal and Unequal Straight Adaptor, Male BSPT/BSPP Thread
- Equal and Unequal Adaptor, Female BSPP and Metric Thread
- Tailpiece Adaptor for Rubber Hose, Male BSPP Thread
- Equal Stud Elbow, Male BSPT/Female BSPP Thread
- Equal Elbow, Female BSPP Thread
- Equal Tee, Female BSPP Thread
- Equal Bulkhead Adaptor, Female BSPP Thread/NPT Thread
- Equal Connector, Female BSPP Thread/NPT Thread
- Reducer Connector, Female BSPP Thread
- Adaptor, Male NPT/Female BSPP Thread
- Adaptor, Male BSPT/Female NPT Thread
- Reducer, Male BSPT/Female BSPP Thread

- Reducer, Male/Female NPT Thread
- Increaser, Male BSPT/Female BSPP Thread
- Increaser, Male/Female NPT Thread
- Equal and Unequal Adaptor, Male BSPT Thread
- Equal Adaptor, Male NPT Thread
- Tailpipe Adaptor for Rubber Hose, Male BSPT Thread/NPT Thread
- Manifold Block, Female BSPP Thread
- In-Line Manifold
- Manifold, Female BSPP and Metric Thread
- Cross Manifold, Female BSPP and Metric Thread
- Double Manifold, Female BSPP Thread
- Modular Manifold
- Manifold, Female BSPP Thread
- Single Manifold, Female BSPP Thread
- Double Manifold, Female BSPP Thread
- Triple Manifold, Female BSPP Thread
- End Plate for Manifold
- Angled Fixing Plate
- Internal Hexagon Head Plug, Male BSPT Thread/NPT Thread
- Square Head Plug, Male BSPT Thread
- Hex Head Plug, Male BSPP and Metric Thread
- Hex Head Plug with Collar, Male BSPP and Metric Thread
- Internal Hexagon Head Plug with Collar, Male Metric Thread
- Internal Hexagon Head Plug, Male BSPP and Metric Thread
- Internal Hexagon Head Plug, Male BSPT Thread/NPT Thread
- Hex Head Plug, Male BSPP and Metric Thread
- Hex Head Plug, Male BSPT Thread/NPT Thread
- Internal Hexagon Head Plug, Male BSPT Thread/NPT Thread
- Copper Washer
- Bonded Seal
- Fluoropolymer Tape
- Captive Sealing Washer
- Bi-Material Captive Sealing Washer
- Brass Tube Support for Polymer Tubing
- Stainless Steel Tube Support for Fluoropolymer Tubing

TECH SPECIFICATIONS

DIVISION	Low Pressure Connectors Europe Division

APPLICATION	Textile
APPLICATION	Robotics
APPLICATION	Automotive Process
APPLICATION	Food Processing
FOR FLUID TYPE	Industrial Fluids
APPLICATION	Pneumatics
APPLICATION	Packaging
GRIPPING RING MATERIAL	n/a
WEIGHT	0.035 kg
QUANTITY PER BOX	10
MINIMUM OPERATING TEMPERATURE	-10 °C
MAXIMUM OPERATING TEMPERATURE	80 °C
MAXIMUM OPERATING PRESSURE	60 barg
DIVISION	Low Pressure Connectors Europe Division