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: 1870 11 11
PRODUCT TYPE: Adaptors
PRODUCT STYLE: Connector Female
MOUNTING POSITION: n/a
SHAPE: n/a
CONNECTION 1 THREAD SIZE: NPT 1/8
NUMBER OF OUTLETS: n/a
SEAL MATERIAL: n/a
NUT HEX SIZE: n/a
CONNECTION 1 TYPE: NPT
BODY MATERIAL: Stainless Steel AISI 316L

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

APPLICATION	Robotics

DIVISION	Low Pressure Connectors Europe Division
APPLICATION	Automotive Process
MINIMUM OPERATING TEMPERATURE	-20 °C
QUANTITY PER BOX	2
APPLICATION	Pneumatics
GRIPPING RING MATERIAL	n/a
APPLICATION	Packaging
MAXIMUM OPERATING PRESSURE	150 barg
FOR FLUID TYPE	Industrial Fluids
WEIGHT	0.015 kg
APPLICATION	Textile
MAXIMUM OPERATING TEMPERATURE	180 °C
APPLICATION	Food Processing
DIVISION	Low Pressure Connectors Europe Division