

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: 1821 27 27
SHAPE: Straight
PRODUCT STYLE: Adaptor Male
BODY MATERIAL: Stainless Steel AISI 316L
CONNECTION 1 TYPE: BSPT / BSPP
PRODUCT TYPE: Adaptors
SEAL MATERIAL: n/a
MOUNTING POSITION: n/a
NUT HEX SIZE: n/a
CONNECTION 1 THREAD SIZE: R 3/4 / R 3/4
NUMBER OF OUTLETS: n/a

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; 1 1/4" 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; 1 1/4" to 2": 100 bar, without sealing washer

Steel: 1/8" to 1/2": 200 bar; 3/4" and 1": 150 bar; 1 1/4" 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

MAXIMUM OPERATING TEMPERATURE	180 °C
DIVISION	Low Pressure Connectors Europe Division
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MAXIMUM OPERATING PRESSURE	150 barg
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Industrial Fluids
APPLICATION	Robotics
APPLICATION	Automotive Process
APPLICATION	Food Processing
APPLICATION	Pneumatics
APPLICATION	Textile
APPLICATION	Packaging
GRIPPING RING MATERIAL	n/a
WEIGHT	0.088 kg
QUANTITY PER BOX	1