



aerospace  
climate control  
electromechanical  
filtration  
**fluid & gas handling**  
hydraulics  
pneumatics  
process control  
sealing & shielding



# Industrial Tube Fittings, Adapters & Equipment

Quick Reference Guide



ENGINEERING YOUR SUCCESS.

# SAE/NPT Tube Fittings, Adapters & Accessories



**O-Ring Face Seal**  
Seal-Lok™

**Sizes** ..... 1/4" through 2"  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 9200 psi



**37° Flare Fittings**  
Triple-Lok®

**Sizes** ..... 1/8" through 2"  
**Materials** ..... Steel, Stainless Steel, Brass  
**Pressures** ..... Up to 9000 psi



**Flareless Bite Type**  
Ferulok®

**Sizes** ..... 1/8" through 2"  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 6000 psi



**Pipe Fittings & Port Adapters**

**Sizes** ..... 1/8" through 2"  
**Materials** ..... Steel, Stainless Steel, Brass  
**Pressures** ..... Up to 7200 psi



**Flareless Bite Type**  
Intrulok®

**Sizes** ..... 1/8" through 1/2"  
**Materials** ..... Brass  
**Pressures** ..... Up to 1500 psi



**Tube & Hose Clamps**  
Parklamp®

**Sizes** ..... 1/4" through 3"  
**Materials** ..... Polypropylene/Steel  
**Pressures** ..... N/A



**Pipe Swivels**

**Sizes** ..... 1/8" through 2"  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 5000 psi



**Hydraulic Flange & Flange Adapters**

**Sizes** ..... 3/4" through 3"  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 6000 psi



**Conversion Adapters**

**Sizes** ..... 1/4" through 1-1/2"  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 7700 psi

# Metric Tube Fittings, Adapters & Accessories



**24° Flareless**  
EO® – Ermeto

**Sizes** ..... 4 mm through 42 mm  
**Materials** ..... Steel, Stainless Steel, Brass  
**Pressures** ..... Up to 630 bar



**Soft Seal 24° Flareless**  
EO-2® – Ermeto

**Sizes** ..... 4 mm through 42 mm  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 630 bar



**O-Ring Face Seal**  
Metric Seal-Lok™

**Sizes** ..... 6 mm through 38 mm  
**Materials** ..... Steel  
**Pressures** ..... Up to 9200 psi



**37° Flare Fittings**  
Metric Triple-Lok®

**Sizes** ..... 6 mm through 38 mm  
**Materials** ..... Steel, Stainless Steel  
**Pressures** ..... Up to 7200 psi



**60° Cone BSPP Adapters**  
K4 Adapters

**Sizes** ..... 1/8" through 2"  
**Materials** ..... Steel  
**Pressures** ..... Up to 5000 psi



**Japanese Industrial Standard**  
JIS

**Sizes** ..... 1/4" through 1"  
**Materials** ..... Steel  
**Pressures** ..... Up to 5000 psi



**Metric Tube**

**Sizes** ..... 4 mm through 65 mm  
**Materials** ..... Steel (St. 37.4) phosphate oiled or zinc-plated yellow chromate



**30° Flare**  
Komatsu Style Adapters

**Sizes** ..... M14 x 1.5 through M33 x 1.5  
**Materials** ..... Steel  
**Pressures** ..... Up to 4000 psi



**Tube Clamps**

**Sizes** ..... 6 mm through 219 mm  
**Materials** ..... Polypropylene  
**Pressures** ..... N/A



# Power Equipment & Accessories



**Flange & Flare Machine**  
**Parflange® 1025**

Bench-top machine used to flange or flare both inch and metric tube for use with Parker Seal-Lok™ or Triple-Lok® fittings.



**Tube Prep Center**  
**TP1025**

Performs four functions: cuts, deburrs, flares and flanges tube. Mounted with Parflange 1025 and cut-off saw.



**Hydraulic Bending**  
**HB632**

Operates hydraulically and bends steel and stainless-steel tube from 3/8" through 2", 10 mm through 50 mm and pipe 3/8" through 1-1/2".



**Tube & Pipe Bender Kit**  
**CP432**

Bends steel and stainless-steel tube and pipe from 1/4" to 2" utilizing a center push bending method and 90 psi air supply.



**Hydraulic Presetting**  
**Hyferset®**

Presets both inch and metric ferrules on steel or stainless-steel tube from 1/4" through 2" or 6 mm through 28 mm.



**Hydraulic Flaring & Presetting**  
**Hydra-Tool®**

Flares steel, stainless-steel and copper tube sizes 1/4" through 2" and 6 mm through 50 mm. Presets steel and stainless-steel tube 1/4" through 2" and 6 mm through 42 mm.



**Cut-Off Saw & Deburr Tool**

Cut-off saw cuts 1/4" through 2-3/4" copper, brass, aluminum, steel and stainless-steel tube at a low speed to prevent work hardening the tube end. Power deburr tool deburrs the I.D and O.D. of 1/4" through 2" steel, stainless-steel, copper and aluminum tube.

# Hand Equipment & Accessories



## Hand Benders

For bending 1/8" through 1" and 5 mm through 25 mm copper, aluminum, steel or stainless-steel tube.



## Bender Kits

### Exactol® 400 Series

Portable crank-operated bender that is vise or bench mountable. Capable of bending 1/4" through 1-1/2" and 6 mm through 38 mm tube.



## Wrenches

### Par-Lok®

360° snap-action ratchet for hex sizes from 3/8" to 2-1/4" across the flats and metric from 10 mm to 50 mm.



## Flaring Tools

Various flaring tools for 1/8" through 1-1/2" and 6 mm through 38 mm tube.



## Cutting & Deburring Tools

Various tools for cutting, deburring and properly preparing 1/8" through 2" tube for assembly to fittings.



## Port Tools

Tapping and counterboring tools for SAE J1926-1, DIN 3852-1, BSPP (ISO 228-1 and ISO 7-1), NPTF and ISO 6149-1.



## Presetting Tools

Various tools for presetting tube 1/8" through 2" and 4 mm through 42 mm.



## Thread I.D. Kit

Various thread I.D. tools for identifying both female and male threads.



## Lubricants & Sealants

A variety of sealants, lubricants, primers and cleaners for fastener and fitting applications.

# Custom Products



## Non-Standard Products

Parker Tube Fittings Division has a dedicated facility to manufacture all of our customers' "non-standard" products. We have the ability to manufacture sizes from 1/16" through 3" in any of your material needs.



## Specialty Products

Parker offers a full line of diagnostic, orifice, screen fittings, bleed adapters and specialty products.



## Triple-Lok® 2

Parker's patent-pending soft seal stainless 37° flare fitting available in sizes 1/4" through 2" provides pressures as much as 20% more than standard Triple-Lok.



# Parker: The Fitting Authority



Since 1924, Parker Hannifin Corporation has served the marketplace with dependable fluid power technology. Today we offer more than 100,000 quality products for a wide range of industries and applications. No other manufacturer presents a product line as broad, or expertise as far-reaching, in hydraulic and pneumatic systems and components.

Much of that expertise originates with Parker's precision-made tube fittings, which were among the first products we manufactured. As such, they reflect our ongoing commitment to excellence. With more than a half century of experience in product design, engineering and manufacturing, the Tube Fittings Division holds a leadership position few other manufacturers can claim. This is further heightened and enhanced by the technology sharing only possible in Parker's corporate family.

In the U.S., Parker tube fittings are manufactured at four plants in western Ohio, stocked in Columbus, and are the choice of OEM and MRO customers worldwide.

The Tube Fittings Division forges its products from the best materials available to assure strength and durability. For example, tube nuts are "cold-formed" from quality materials for close-grained toughness. The result is a fitting with total reliability – a fitting that can stand up to years of severe service.

## Your Leader in Innovation

Always pursuing perfection, Parker leads the way in solutions to ensure leak-free connections and longest-lasting fitting performance. For one, our revolutionary Parflange® process flanges and flares high-pressure tube connections in just seconds –

with no brazing, welding or their associated steps, materials, time and cost.

Through Parker ACEsolutions™ (advanced connection enhancements), we've also introduced the exclusive patent-pending Trap-Seal™ O-ring – uniquely trapezoid shaped to improve seal retention dramatically – for our Seal-Lok™ O-ring face seal fittings. This enhancement minimizes pop-out, leakage and reinstallation concerns right from the start. And there's our patent-pending Robust Port Stud™ enhancement made to our SAE adjustable port stud, specifically designed to make assembly easy, eliminate washer damage and potential leaks, exceed SAE standards – and be interchangeable with other SAE adjustable connectors.



## Premier Customer Service

Parker sets the "World Standard" in tube fittings with customer service and technical training as superior as our products. Customer service is enhanced by the Terminal Order Processing System (TOPS) which allows Parker distributors to access the Division's main computer directly. Orders are entered online, resulting in immediate allocation of product and reduction of possible order entry errors. Distributors and OEMs can also enter orders via EDI.

The Tube Fitting Division's "Dry Technology" seminars provide customers with the education and training to assure proper application of its products on their equipment. In fact, "Dry Tech" has become the industry standard for industrial tube fitting training.

## Your Custom Products Advantage

When it comes to custom products, Parker has an entire facility dedicated to manufacturing them precisely to your specifications or drawings, and in record time. With our technology and resources working 24 hours a day, we can design and deliver these products in the time it would take most manufacturers to devise a plan. And we can meet your needs in almost any size, configuration or material, including steel, stainless steel, brass, aluminum, and numerous others. Whether it's a simple "jump-sized" fitting or a unique "outside the box" application, we have the expertise to bring the solution to your door.

## Parker Means Performance Plus

Our advantages never end with innovation. That's just one valuable part of your total performance-plus edge, with Parker. Count on Parker Tube Fittings Division for performance above and beyond, including:

- Broadest product line in the industry
- Exhaustive testing during every phase of design and production
- High-profile involvement in SAE, NFPA and ISO standardization committees
- Widest product availability through a network of more than 1,600 stocking distributors and sales offices worldwide
- CAD models available for downloading at our Web site

Everything we do is your assurance that Parker tube fittings and services are your absolute best decision. Today...and tomorrow.



Step up to even greater leak-free security and fittings that perform like new – longer than ever before. Just look to Parker ACEsolutions, our latest exclusive innovations. Count on us continually to develop and introduce them, further raising our industry's standards, and yours.



Trap-Seal™ O-ring, with its revolutionary trapezoidal shape, dramatically improves seal retention for our Seal-Lok™ O-ring face seal fittings – virtually eliminating O-ring pop-out and consequent leakage, saving pre-assembly time and concern, and greatly reducing seal replace/reinstall needs. Works in standard SAE J1453 half-dovetail grooves.



Robust Port Stud™ enhancement made to our SAE adjustable port allows for remarkably easier assembly – and eliminates washer damage and potential leaks. Its longer lock nut provides more area to wrench, while threads remain covered. And while it well exceeds SAE standards, it's conveniently interchangeable with other SAE adjustable connectors.

## How to Order Parker Tube Fittings

When ordering Parker Tube Fittings, please state the Cataloged Number of each type of fitting desired. Be sure to double check tube and hose sizes of items required.

To select proper seal materials for specific applications, refer to Media Compatibility Chart in Tube Fitting Catalog 4300, or contact your Parker Tube Fitting Distributor.

If in doubt about which type or size of fitting to specify, consult your Parker Tube Fitting Distributor. In addition Parker Field Sales, Technical Services, Tube Fitting Division and your local Parker Service Center will help you find answers to all your problems.

Note: Refer to Parker Catalog 4300 for more detailed application information.

**CALL TOLL-FREE 1-800-C PARKER (1-800-272-7537)**

**Parker Information Center for catalogs, literature or additional information.**

### **WARNING**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met. The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.



# Dry Technology Begins with Parker



"Dry Technology" is the achievement of leak-free connections. No one knows it better than Parker – the industry's foremost educator on the subject.

Our exclusive Dry Technology training equips designers, assemblers and maintenance personnel with the knowledge to achieve powerful advantages in hydraulic system performance, safety, and savings. And it provides valuable reference tools including the most comprehensive Dry Technology handbook in the industry.

To have a Dry Technology training session presented at your facility, contact your Parker field sales representative or distributor.

## Regional Sales Offices & Service Centers

**Your Complete Source** for quality tube fittings, hose and hose fittings, brass fittings and valves, quick-disconnect couplings, and assembly tools, locally available from a worldwide network of authorized stocking distributors and sales offices.

### **Fittings & Couplings:**

Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

### **Hose, Tubing & Bundles:**

Available in a wide variety of sizes and materials including rubber, wire-reinforced thermoplastic, hybrid and custom compounds.

### **Worldwide Availability:**

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

For information, contact the nearest Regional Sales Office listed, or **call toll-free 1-800-C-PARKER** (1-800-272-7537).

### **Central Region Sales Office & Service Center**

Hiawatha, IA  
phone 319 393 1221  
fax 319 393 1224

### **Cleveland Region Sales Office**

Cleveland, OH  
phone 216 896 2404  
fax 216 896 4022

### **Service Center**

Toledo, OH  
phone 419 878 7000  
fax 419 878 7001  
fax 419 878 7420 (FCG Kit  
Operations)

### **Service Center**

Louisville, KY  
phone 502 937 1322  
fax 502 937 4180

### **Great Lakes Region Sales Office**

Otsego, MI  
phone 269 694 2550  
fax 866 498 7507

### **Minneapolis Region Sales Office**

Minneapolis, MN  
phone 763 513 3535  
fax 763 544 3418

### **Service Center**

Minneapolis, MN  
phone 952 469 5000  
fax 952 469 5729

### **Northeast Region Sales Office & Service Center**

Trenton, NJ  
phone 609 586 5151  
fax 609 586 6081

### **Pacific Region Sales Office & Service Center**

Portland, OR  
phone 503 283 1020  
fax 503 283 2201

### **Service Center**

Buena Park, CA  
phone 714 522 8840  
fax 714 994 1183

### **Southeast Region Service Center**

Conyers, GA  
phone 770 929 0330  
fax 770 929 0230

### **Southwest Region Sales Office**

phone 817 473 4431  
fax 817 453 8022

### **Canada**

### **Sales Office & Service Center**

Grimsby, ONT  
phone 905 945 2274  
fax 905 945 3946

**(Contact Grimsby for other  
Service Center locations.)**

