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# SAE Aluminum Fittings



ENGINEERING YOUR SUCCESS.

# Parker SAE Aluminum Fittings

## Save weight and conserve energy resources

Specify SAE aluminum fittings from Parker when your application requires corrosion-resistant, lighter weight components that function reliably in a variety of environments. Approximately 65% lighter than comparable steel and stainless steel fittings, Parker aluminum fittings provide considerable weight savings. When utilized in mobile hydraulic systems, lighter weight aluminum

fittings reduce the overall vehicle weight, making an increase in vehicle payload possible. And lightweight aluminum fittings offer the added benefits of reduced fuel expenses and freight costs.

Parker's aluminum fittings are manufactured with an anodized coating for improved corrosion resistance. This resistance to corrosion is superior to that of

comparable steel fittings, making Parker aluminum fittings ideal for many different applications where lightweight construction – as well as high corrosion resistance – is needed.

### Simple system conversion

Designing Parker's aluminum fittings into an existing system is simple. Parker's Triple-Lok (JIC) and Seal-Lok (ORFS) fittings meet the dimensional standards for SAE J514 and SAE J1453 respectively. No system re-design is necessary and conversion costs are minimized. Available in sizes -4 (1/4") through -16 (1"), the maximum working pressures range from 1500 psi to 3800 psi for Triple-Lok (JIC) and from 1500 psi to 4000 psi for Seal-Lok (ORFS) aluminum fittings.



Compare the weight of a **steel/stainless steel** fitting (left) to that of an **aluminum** fitting (right). Aluminum fittings are approximately **65% lighter**.

Parker aluminum fittings are ideal for mobile applications where lighter weight and corrosion resistance are required, as on vehicles used in agricultural, military, aerial lift, marine, mining and transportation markets.



Parker ACEsolutions™ Advanced Connection Enhancements, the ultimate in long-lasting, leak-free, peak fitting performance, feature the patented Robust Port Stud™ and Trap-Seal™ O-ring. Both aluminum fittings meet applicable SAE dimension standards.



Specifying custom aluminum fittings is equally simple. With dedicated design and manufacturing resources delivering custom fittings made precisely to your specification or drawing, Parker aluminum fittings are available in most any size, configuration and color. Whether you need a simple jump-size or a unique “outside the box” application, Parker has the expertise to deliver the solution you need.

### Major benefits

- **Lightweight**  
Up to 65% lighter than comparable steel and stainless steel fittings, reducing energy and freight expenses, as well as increasing vehicle payload.
- **Superior corrosion resistance**  
Superior corrosion resistance to salt spray than comparable steel fittings (per ASTM B117) for longer service
- **Easy design implementation**  
Meets dimension standards for SAE J514 (37° Flare) and SAE J1453 (O-ring Face Seal) fittings, eliminating system re-design and minimizing conversion costs.
- **Superior seal retention in O-ring Face Seal groove**  
Parker's patented Trap-Seal, with its trapezoidal shape, prevents seal pop out associated with round o-rings, reducing the risk of seal damage and leakage.
- **Superior seal reliability of adjustable SAE port ends**  
Parker's patented Robust Port Stud eliminates the existence of exposed threads between the locknut and backup washer, which can lead to backup washer damage during assembly and eventual leaks.

### Going green

Parker is committed to safeguarding the environment, working to conserve resources while curbing the negative impacts of human involvement. Parker technologies are critical to both renewable and traditional energy platforms.

Parker's standard aluminum fittings are manufactured with a green anodized coating for superior corrosion resistance. Anodizing is considered one of the more environmentally friendly metal finishing processes, producing by-products that do not contain heavy metals, halogens or volatiles. Anodizing by-products are recycled for the manufacturing of other commercial products, such as baking soda, cosmetics, newsprint and fertilizer.



# Parker Fluid Connectors Group

## North American Divisions & Distribution Service Centers

**Your complete source** for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves and assembly tools, locally available from a worldwide network of authorized distributors.

### **Fittings:**

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 and 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,** call toll free...

**1-800-C-PARKER**  
**(1-800-272-7537)**

## **North American Divisions**

### **Energy Products Division**

Stafford, TX  
phone 281 566 4500  
fax 281 530 5353

### **Fluid System Connectors Division**

Otsego, MI  
phone 269 694 9411  
fax 269 694 4614

### **Hose Products Division**

Wickliffe, OH  
phone 440 943 5700  
fax 440 943 3129

### **Industrial Hose Division**

Strongsville, OH  
phone 440 268 2120  
fax 440 268 2230

### **Parflex Division**

Ravenna, OH  
phone 330 296 2871  
fax 330 296 8433

### **Quick Coupling Division**

Minneapolis, MN  
phone 763 544 7781  
fax 763 544 3418

### **Tube Fittings Division**

Columbus, OH  
phone 614 279 7070  
fax 614 279 7685

## **Distribution Service Centers**

### **Buena Park, CA**

phone 714 522 8840  
fax 714 994 1183

### **Conyers, GA**

phone 770 929 0330  
fax 770 929 0230

### **Lakeville, MN**

phone 952 469 5000  
fax 952 469 5729

### **Louisville, KY**

phone 502 937 1322  
fax 502 937 4180

### **Portland, OR**

phone 503 283 1020  
fax 503 283 2201

### **Toledo, OH**

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

### **Canada**

#### **Grimsby, ONT**

phone 905 945 2274  
fax 905 945 3945  
(Contact Grimsby for other Service Center locations.)



Parker Hannifin Corporation

### **Tube Fittings Division**

3885 Gateway Blvd.

Columbus, OH 43228

phone 614 279 7070

fax 614 279 7868

e-mail TFD mailbox@Parker.com

www.parker.com