

## Blowout Preventer Hose

Fire Rated Hydraulic Hose Assemblies for Land and Topside BOP Applications



ENGINEERING YOUR SUCCESS.



# QUALITY, SAFETY & RELIABILITY FROM ONE SOURCE

Parker Hannifin's complete line of Blowout Preventer hoses (BOP) is developed to meet the most rigorous demands in exploration and deep drilling.

Our high-performance BOP hoses are designed for hydraulic use and certified to withstand fire, high heat and pressures in safety critical applications. All Fire Armor BOP hose assemblies are tested and approved by Lloyd's Register, complying with American Petroleum Industry API 16D guidelines to meet and exceed OD/1000/499 flame testing at 1300 °F for five minutes.

## **Partnering with Parker ensures you have one source for:**

- Trusted, proven, reliable products
- Flexible design with made-to-order options that meet your requirements
- Certified local assembly by Parker-trained experts
- Proactive, simple asset and maintenance tracking with Parker Tracking System (PTS)

# CONVENIENT, EFFICIENT EXPERT SUPPORT

## Parker Certified BOP Hose Assembler Program

Our commitment to you is **impeccable customer service** and a **hassle-free experience**. With Parker's Certified BOP Hose Assembler Program, you get the convenience, speed and expertise of a local oil & gas distributor with the quality, accuracy and traceability of a factory made hose assembly.



✓ **OUR CERTIFIED EXPERTS PASS THE TEST.**

### Parker-qualified distributors must:

#### 1. PASS A WORKSHOP AUDIT VERIFYING:

- Proper equipment use and maintenance
- Quality procedures are established
- Facility cleanliness

#### 2. COMPLETE CERTIFICATION BY:

- Completing Parker training
- Passing assembly burst test
- Receiving assigned assembler designation

#### 3. UNDERGO RECERTIFICATION & AUDITING:

- Annually

#### 4. CUSTOMER SERVICE:

- On-hand inventory
- Warehouse and assembly facilities

#### CUSTOMERS CAN EXPECT:

**SUPERIOR QUALITY PARTS  
AND PROPER ASSEMBLY**

**PREVENTATIVE  
MAINTENANCE PLAN  
TO AVOID FAILURES**

**TRACEABILITY OF  
MATERIALS, ASSEMBLER,  
DATES, LOCATION**

# FIRE RATED HOSES FOR SAFETY CRITICAL APPLICATIONS



**LLOYD'S CERTIFIED TO API 16D FLAME TEST REQUIREMENTS**

**DELIVERED FULLY TESTED AND ASSEMBLED**

**CERTIFIED, LOCAL PARKER ASSEMBLERS**

**FULL RANGE FROM -6 TO -32 DASH SIZE; WORKING FROM 3000 TO 5000 PSI**

**FITTINGS AVAILABLE IN STEEL AND STAINLESS STEEL**

Parker's complete range of BOP hoses are used for hydraulic connections between the well control equipment and the control system. Our products combine our trusted ParLock multi-spiral hose range with Interlock connection and optional stainless steel armor to protect the system from external shock.

## Fire Armor 3000 BOP



| PART NUMBER    | HOSE I.D. |      | HOSE O.D. |       | WORKING PRESSURE |      | MINIMUM BEND RADIUS |     | WEIGHT |      | FITTING SERIES |
|----------------|-----------|------|-----------|-------|------------------|------|---------------------|-----|--------|------|----------------|
|                | inch      | mm   | inch      | mm    | psi              | MPa  | inch                | mm  | inch   | mm   |                |
| <b>FA21-6</b>  | 3/8       | 10   | 1         | 25.4  | 3000             | 21.0 | 2.5                 | 65  | 0.54   | 0.8  | 43             |
| <b>FA21-8</b>  | 1/2       | 12.5 | 1.2       | 28.45 | 3000             | 21.0 | 3.5                 | 90  | 0.64   | 0.95 | 43             |
| <b>FA21-12</b> | 3/4       | 19   | 1.37      | 34.8  | 3000             | 21.0 | 4.75                | 120 | 1.21   | 1.8  | 43             |
| <b>FA21-16</b> | 1         | 25   | 1.66      | 42.16 | 3000             | 21.0 | 6                   | 150 | 1.66   | 2.47 | 43             |

### FA21

- For general applications where flame resistance is required
- Braided construction offering constant 3000 psi in all sizes
- Lloyd's certified to API 16D flame test requirements
- 1/2 SAE bend radius
- Thick red synthetic flame resistant rubber cover
- Assembled with insulating sleeve to meet flame test requirements
- 43 Series fittings available in male NPT threads

## Fire Armor 5000 BOP



| PART NUMBER    | HOSE I.D. |      | HOSE O.D. |      | WORKING PRESSURE |      | MINIMUM BEND RADIUS |     | WEIGHT |      | FITTING SERIES |
|----------------|-----------|------|-----------|------|------------------|------|---------------------|-----|--------|------|----------------|
|                | inch      | mm   | inch      | mm   | psi              | MPa  | inch                | mm  | inch   | mm   |                |
| <b>FA35-8</b>  | 1/2       | 12.5 | 0.97      | 25.2 | 5000             | 35.0 | 7                   | 180 | 0.73   | 1.08 | VS             |
| <b>FA35-12</b> | 3/4       | 19   | 1.27      | 32.4 | 5000             | 35.0 | 9.5                 | 280 | 1.14   | 1.7  | V4             |
| <b>FA35-16</b> | 1         | 25   | 1.52      | 39.0 | 5000             | 35.0 | 12                  | 340 | 1.48   | 2.2  | V4             |
| <b>FA35-20</b> | 1 1/4     | 31.5 | 1.79      | 46.6 | 5000             | 35.0 | 16.5                | 460 | 1.75   | 2.6  | V4             |
| <b>FA35-24</b> | 1 1/2     | 38   | 2.26      | 58.7 | 5000             | 35.0 | 20                  | 480 | 3.23   | 4.8  | V6             |
| <b>FA35-32</b> | 2         | 51   | 2.8       | 72   | 5000             | 35.0 | 25                  | 600 | 4.5    | 6.7  | V6             |

### FA35

- Spiral construction offering constant 5000 psi
- Lloyd's certified to API 16D flame test requirements
- Red synthetic flame resistant rubber cover
- V Series fittings available in male API and NPT threads

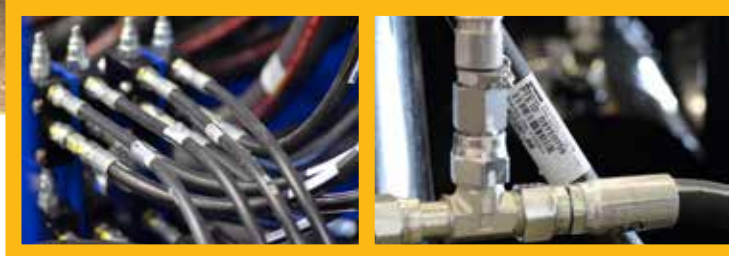
## Optional Armor Version

- Metal armor cover protects against external damage, heat & flame
- Armor available in 304 stainless steel
- Lloyd's certified to API 16D flame test requirements





# PROACTIVE, EFFICIENT ASSET TRACKING & MAINTENANCE



## Parker Tracking System (PTS)

Timely equipment inspections and change outs can prevent costly down time, potential environmental clean up expenses and, ultimately, save lives. With the **Parker Tracking System (PTS)**, you get one of the most powerful, comprehensive and easy-to-use asset tagging and tracking systems in the industry. Using PTS, you can expect:

- Faster, easier, accurate delivery of parts and services
- Greater asset visibility
- Improved management of asset components
- Proactive inspection and maintenance planning tools





## PTS Pro

PTS Pro edition offers a range of critical functionality that allows you to simplify the most complex tasks.

### CUSTOMER BENEFITS

- Trace assets electronically
- Receive timely maintenance reminders
- Schedule inspections and replacements
- Create custom asset books for audits or inspections
- Generate detailed reports on demand
- View historical inspection results

### SYSTEM APPLICATIONS

Desktop computers | Laptops | Tablets | Smartphones (PTS Mobile)

- Easy to install and operate
- Use as a stand-alone tracking system or link with your current system



## PTS Mobile

Our PTS Mobile app is the perfect jobsite companion. Just tap for access to millions of tagged assemblies worldwide and a faster, easier and more accurate replacement experience.

## Download Free



## Learn More:

[www.parker.com/pts](http://www.parker.com/pts)

Or contact your local Parker dealer



# 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**

### **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**

Wickliffe, OH  
phone 440 833 2120  
fax 440 833 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

### **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.)

