



## Cementing Application Products

Proven, Reliable, and Innovative Products for  
the Oil and Gas Industry



ENGINEERING YOUR SUCCESS.

# We Understand the Needs of the Oil & Gas Industry

Dependable, durable, long lasting, and leak-free connections are imperative to today's oil & gas operations. Downtime is costly, meaning any replacement parts must be instantly identifiable and readily available. At Parker, we've served the demanding hose assembly needs of the oil and gas industry for years, so we're familiar with the severe conditions cementing equipment and personnel endure.



## Cementing Application

The cementing operation is an imperative process that prepares the well for further drilling, production or abandonment. High-pressure pumps are utilized to create the pressure needed to pump a cement slurry mixture down the wellbore.

There are two main ways to convey the cement slurry from the cement pump to the well: iron pipe or high pressure hose.

Parker's high pressure hose for cementing applications provide unparalleled benefits including exceptional durability while reducing costs and advancing performance.



## 5000 PSI Cement Slurry Hose

Designed for high pressure pumping applications up to 5000 PSI and approved with S6 Series fittings

### P3525

- Super Tough cover for long-lasting abrasion resistance
- No-Skive design eliminates the need to remove the hose cover before crimping

### P3525/P3575



### P3575

- Requires skiving of the external cover before crimping
- Extremely thick Super Tough cover designed for ultra-abrasion resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	
P3525-32	2	51	2.82	71.6	5000	35,0	25	630	5.00	7.43	S6
P3575-32	2	51	2.95	76.7	5000	35,0	25	630	5.29	7.89	S6

**Application:** Cement slurry

**Inner Tube:** Synthetic rubber

**Reinforcement:** Four- or six-spiral steel wire

**Cover:** Synthetic abrasion resistant rubber

**Fittings:** S6 series

**Temperature Range:** Cement delivery -4°F to +158°F (-20°C to +70°C)

# Two Connection Methods That Offer Functionality and Reusability

Parker's hammer union connections were engineered and designed with quick and easy connection and disconnection, specifically for the oil & gas industry.

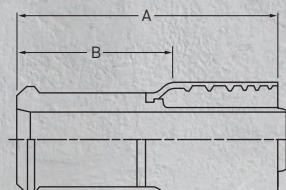
Both the adapter and integral crimp fitting offer the ability to remove the wing nut from the hose assembly for easy replacement or rework.

## Integral Crimp Fitting

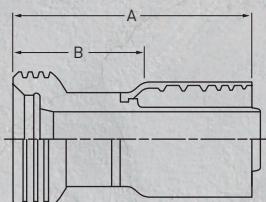
Parker's innovative integral crimp fitting is made from high-grade industrial steel, which was selected to offer the best resistance to the rigors of hammer union connections. The one-piece design eliminates the threaded connection of a hammer union adapter, making it a safer and more reliable connection.

The key to the crimp fittings reusability is the segmented design. The segments lock the fitting in place in the wing nut, creating a secure and durable connection. When required, the segments can be removed allowing the wing nut to slide off of the hose assembly.

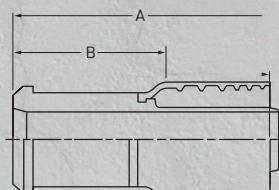
Compared to competing fittings with a captive wing nut, the segmented style is ideal for repairs because it enables simple wing nut replacements without the added expense or downtime of replacing an entire hose assembly.



HE 45 Degree



HN Threaded



HB 90 Degree



# Part Number	Thread inch	Hose I.D. Inch	A		B	
			inch	mm	inch	mm
1HES6-32-32	N/A	2	7.89	200,4	4.45	113
1HNS6-32-32	4-1/8	2	7.24	183,9	3.8	96,5
1HBS6-32-32	N/A	2	7.89	200,4	4.45	113

- One-piece, segmented design
- Industrial strength, high-grade steel
- No male pipe thread connection, eliminating potential leak paths and NPT thread cracking
- FIG 1502 style
- No welding required
- Wingnut is not captive on hose assembly



**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defect or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).



# Hammer Union Adapter and Crimp Fitting

Parker's hammer union adapter is a two-piece connection fitting, designed to quickly join the tank, hoses, and piping in the oil & gas industry. The adapter is made from high-quality industrial steel, and allows users to convert standard NPT/API pipe thread hose assemblies into a hammer union style connection. The adapter allows the wing nut to be removed from the hose assembly by disconnecting the adapter from the NPT/API thread crimp fitting.

## Features

- Two-piece design
- 90° Hammer Union connection
- Available in NPT and API thread versions
- Water, oil, cement slurry, and mud service
- FIG 1502 style

## Kit P/N Nomenclature

API Threads - HBHNACK-32-32 includes:

- HBAC-32: Male Adapter with API Threads
- HNAC-32: Female Adapter with API Threads and O-Ring
- HBN-32: Hammer Union Wing Nut

NPT Threads - HBHN02K-32-32 includes:

- HB02-32: Male Adapter with NPT Threads
- HN02-32: Female Adapter with NPT Threads and O-Ring
- HBN-32: Hammer Union Wing Nut



# PTS: A Simple Yet Powerful Asset Management System

Parker Tracking System (PTS) is an asset identification and management tool from Parker designed specifically to address the parts that can wear or fail unexpectedly. Using a Web-based application, PTS generates a unique 8-digit alphanumeric code printed on a durable label that is affixed to the hose assembly at the time it is made. Each code is cataloged in the online PTS database and identifies several key pieces of information—where and when the assembly was made; what hose, fittings, sleeving and accessories were used; and the length of the hose.

### With PTS Pro - Asset Management, you can:

- Establish detailed asset location data
- Create and deploy custom inspection templates
- Schedule inspections and replacements
- Apply application and related data to an asset group
- Transfer record ownership between PTS accounts
- Store and retrieve historical inspection results
- Export asset details into Excel reports
- Create custom asset books for audits or inspections
- Schedule and personalize alerts and notifications

Visit [www.parker.com/PTS](http://www.parker.com/PTS) to find out more about how PTS can improve the timing and accuracy of acquiring replacement hose assemblies for critical drilling and lifting systems, hydraulic power units and other essential applications.



## Reduce Time to Job Completion

Unloading, laying out, and connecting iron pipe can take up to four hours in a typical cementing job. Once you add in the time to disassemble and reload the pipes at the end of the job, it can easily total up to six hours of labor. Using a Parker hose assembly in place of iron pipe can reduce the labor time by more than half.

### Pipe vs Hose

	Time Savings (up to) when using hose
<b>Site Preparation</b> (Unloading, laying out, preparing pipe)	50%
<b>Connections</b> (Hammer Union joints)	80%
<b>Site Tear Down</b> (Disconnecting pipe and reloading trucks)	50%
<b>Potential for Rework</b> (Leaks at connections)	80%
<b>Quicker Job Completion</b> (Time to complete cementing job)	56%

## We Have You Covered

Cementing jobs require crews to set up, tear down and move on to the next well site multiple times per year. The frequent uncoiling and dragging of hoses creates a tough environment and makes cover abrasion the main cause for cement hose failures. Parker's goal of optimizing hose life has led to the development of two unique hose covers specifically designed for cementing applications.

### Abrasion Resistance

P3525 & P5625

**450X**

Up to 1.5X extended life, when compared to standard rubber cover hoses

P3575 & P5675

**1,350X**

Up to 3X extended life, when compared to standard rubber cover hoses



## 8000 PSI Cement Slurry Hose

Designed for high-pressure pumping applications up to 8000 PSI and approved with S6 Series fittings

### P5625

- Super Tough cover for long-lasting abrasion resistance
- No-Skive design eliminates the need to remove the hose cover before crimping

### P5625/P5675



### P5675

- Requires skiving of the external cover before crimping
- Extremely thick Super Tough cover designed for ultra-abrasion resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	
P5625-32	2	51	2.82	71.6	8000	56,0	25	630	5.00	7.43	S6
P5675-32	2	51	2.95	76.7	8000	56,0	25	630	5.29	7.89	S6

**Application:** Cement slurry

**Inner Tube:** Synthetic rubber

**Reinforcement:** Four- or six-spiral steel wire

**Cover:** Synthetic abrasion-resistant rubber

**Fittings:** S6 series

**Temperature Range:** Cement delivery -4°F to +158°F (-20°C to +70°C)



**WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

# 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

#### **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**

##### **Milton, ONT**

##### **Canada L9T 3G9**

phone 905 693 3000  
fax 905 876 1958  
(Contact Milton for other Service Center locations.)

#### **Mexico**

##### **Toluca, MEX**

phone (52) 722 2754 200  
fax (52) 722 2722 168

