## Custom Tube Fabrication

**Custom Manufacturing Capabilities:** 

Markets are shifting to replacing sections of hose with hard plumbing. These custom projects can include tube fabrication and fittings not found anywhere else. Using custom tube and compound assemblies can reduce your overall costs and eliminate warranty issues. Completely custom products are available from a dedicated Parker Hose Products Division facility.

Using standard Parker hoses, fittings and tubing, our experts create custom tube and compound assemblies that exactly match your specifications to provide increased durability and reliability.

Organized to provide fast quotes and highly responsive service, our Custom Manufacturing department can produce a single critical piece or production quantities to meet your needs, quickly and efficiently.

Contact our staff to talk about creating the best in customized, leak-free assemblies for your needs. Call:

1-888-882-1202 Fittings

1-866-703-8823 Tube Fabrication



At Parker's Hose Products Division, we believe the best hose for your operation is the one that gets the job done right. We offer the most comprehensive line of hoses and all the fittings and options you'll need.

The right hose is available for your application including hoses featuring:

- · A variety of abrasion resistant cover choices
- Maximum flexibility
- · A wide range of media compatibility
- · Hoses made specifically for high and low temperatures, excellent bendability and abrasive environments

These characteristics make Parker the hose supplier of choice for:

- · Construction Equipment
- · Mobile Hydraulic Systems
- Agricultural Machinery
- · Forestry Equipment
- Materials Handling
- Machinery
- Injection Molding
- Automotive Plants
- · And many other applications

## **Custom Kits**

Want to speed things up on the factory floor? Try a Parker custom kit. Fittings, adapters, pre-made assemblies...we can get it all together in a kit. In the exact order and quantities you need. What's the advantage? Streamlined procedures. Quicker assembly. Lower costs. And an single part number for easier processing.

> **Kit Operations** Phone: (419) 878-7000 Fax: (419) 878- 7420



## **Offer Of Sale**

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale."



Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories
Parker Publication No. 4400-B.1

- personal injury and property d
- Fittings thrown off at high speed High velocity fluid discharge. Dangerously whipping Hose. Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Explosion or burning of the conveyed fluid.

  Electrocution from high voltage electric powerlines.

  Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.

  Injections by high-pressure fluid discharge.

  The selectric powerlines are either any of those Post-tast it is in any of those Post-tast in any of those Post
- Before selecting or using any of these Products, it is important that you read and follow the instructions. Only Hose from Parker's Stratoflex Products Division is approved for in flight aerospace applications, and no other Hose can be used for such in flight applications.
- © 2007 Parker Hannifin Corporation, All rights Reserved



We have global resources to help keep your operations running. From manufacturing sites throughout the U.S. and around the world to ParkerStores – our retail locations that provide a complete hose and fittings inventory – to the Hose Doctors – Parker's premier mobile service program that provides 24/7 service and technical troubleshooting to get you up and running again.



From help with product selection to creating a custom project specifically for your needs, our team of Parker professionals is ready to assist you with engineering support, fluid connector systems design and more.

We offer the broadest range of hoses and fittings and look forward to helping you find the right solution for your application.

## **Parker Fluid Connectors Regional Sales Offices & Service Centers**



Service Center Hiawatha, IA (319) 393-1221 (319) 393-1224 FAX

### **Cleveland Region** Sales Office

Sales Office &

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

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

### Worldwide Availability:

Your complete source for

quality tube fittings, hose & hose

fittings, brass fittings & valves,

quick-disconnect couplings, and

assembly tools, locally-available

from a worldwide network of

authorized distributors.

Fittings & Couplings:

thermoplastic.

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

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

Trenton, NJ

Cleveland, OH (216) 896-2404 (216) 896-4022 FAX Service Center Toledo, OH (419) 878-7000

(419) 878-7001 FAX (419) 878-7420 (FCG Kit Operations) FAX

### **Great Lakes Region** Sales Office Otsego, MI

(269) 694-2550 (269) 692-6634 FAX Louisville Service Center

### Louisville, KY (502) 937-1322 (502) 937-4180 FAX

Minneapolis Region Sales Office (763) 513-3535

(763) 544-3418 FAX Service Center Minneapolis, MN (952) 469-5000 (952) 469-5729 FAX

Service Center Oshkosh, WI (920) 426-8471 (920) 426-8570

## **Northeast Region**

(609) 586-5151 (609) 586-3149 FAX

Portland, OR Service Center

Service Center Convers, GA

(817) 473-4431 (817) 453-8022 FAX

Sales Office & Service Center Grimsby, ONT

(905) 945-3946 FAX

## Sales Office

**Pacific Region** 

### Sales Office & Service Center

(503) 283-1020 (503) 283-2201 FAX Buena Park, CA

(714) 522-8840 (714) 994-1183 FAX Southeast Region

### Sales Office Greensboro, NC

(336) 373-1761 (336) 373-9069 FAX for Sales Office

### (770) 929-0330 (770) 929-0230 FAX

**Southwest Region** Sales Office Mansfield, TX

## Canada

(905) 945-2274 (Contact Grimsby for other Service Center locations.)



# Hose, Fittings, and Equipment

Quick Reference Guide Bulletin 4400-B13





**Parker Hannifin Corporation** Hose Products Division 30240 Lakeland Boulevard Wickliffe, OH 44092 USA Tel: (440) 943-5700 Fax: (440) 943-3129 Web site: www.parkerhose.com

© 2007 Parker Hannifin Corporation Bulletin 4400-B13-US 471TC, 471ST, 472ST, 351TC, 351ST . 3/16" through 2" I.D. | |Sizes ...

Constructed with four- or six-spiral

are constructed with a textile braid rein-

........ 601, 422, 426, AX, 482TC, Product ........ 341, 701, 711, 721,721TC, 482ST, BXX, 431, 436, 451TC, 451ST, 302, 721ST, 731, 761, 772TC, 772ST, 781,782TC, 782ST, 791TC, 792TC, 792ST, P35 ... 575 through 5000 psi | Pressure ...... 2500 through 8000 psi



For a variety of uses and media including. phosphate ester fluids, to high and low temperature, automotive, to static, to non-impulse hydraulic jacks to fire resistant covers.

Product ...... JK, 304, 421WC, 424, 301LT, 604, 774, 804, 821FR, F42 .. 1/4" through 2" I.D. .. 3/8" through 2" I.D. | Pressure ............ 150 through 10500 psi

For shop air, pneumatically operated systems, general industrial applications, and automotive applications such as water, lubricating oils, and antifreeze.

Product 801, 804, 821, 821FR
831, 836 Sizes1/4" through 1" I.D
Pressure Up to 350 ps
Colors: Gray, Red, Yelow, Blue

turn Hose	SUCTION PARKER BIT SUCT RETURN PARKER BIT
	Constructed with a helical wire spiraled

Green, Black, Brown

II. H	& RETURN
and Return	Constructed with a helical wire spiraled throughout textile reinforcement to prevent collapse under vacuum. Ideal for both standard and high-temperture applications.
Suction a	Product

TRANSPORTATIO	ON SOUTH
For marine fuel lines, L.P.G. a	nd C.N.G.

ose, and truck applications such as ower steering, cab tilt, air intake, diesel uel, air brake and lube line systems.

Product SS23CG, SS25UL, 201, 206,
213, 221FR, 225, 266, 271, 293, 436
Sizes 3/16" through 3" I.D.
Pressure Up to 4000 psi
Pressure Up to 4000 psi

1036	REFRIGERANT
בומוור	For air conditioning and refrigeration system applications.
Billau	Product

When considering hose pressure, it's important to know both the system working pressure and any surge pressures and spikes. Hose selection must be made so that the published maximum working pressure of the hose is equal to or greater than the maximum system pressure. Surge pressures or peak transient pressures in the system must be below the published maximum working pressure for the hose.

Hose Reinforcement	ı	Working Pressure (psi) -3   -4   -5   -6   -8   -10   -12   -16   -20   -24   -32   -40   -48											Standard Temp.	SAE	ISO	
Reinforcement	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	Range °F		
2-braids, fiber		1250			1000		750	565						-40/+257	100R3	4079-1-R3

Each Parker hose has a pressure rating which can be found on this Hose Overview Chart.

601	O broide fil	405	0	4405	1000		750	ECE						401.057	10000	4070 4 DO		Λ.0
601	2-braids, fiber	125			1000	40==	750	565	0.00	76-				-40/+257	100R3	4079-1-R3		A-8
422	1-braid, wire	325	0 3125	2600	2325	1875	1525			725	575					1436-1-1SN		A-8
424	1-braid, wire		_					1000	625	500	375			-40/+176	100R1AT			A-8
421WC	1-braid, wire	275			2000			1000						-40/+257				A-9
426	1-braid, wire	275						1000	625	500	375			-50/+302	100R1AT			A-9
AX	1-braid, wire	300			2500			1000						-40/+212				A-9
482TC/ST	1-braid, wire		0 3250													1436-1-1SN	853-1SN	A-10
BXX	2-braids, wire	500	0	4000	3500	2750	2250	2000						-40/+212	100R2AT			A-10
431	2-braids, wire	500	0 4250	4000	3500	2750	2250	2000						-40/+257	100R16			A-11
436	2-braids, wire			4000	3500	2750	2250	2000						-55/+302	100R16			A-11
304	2-braids, wire	500	0	4000	3500		2250	2000	1625	1250	1125			-40/+176				A-11
301LT	2-braids, wire	500	0	4000	3500		2250	2000						-67/+212	100R2AT			A-12
451TC/ST	1-braid, wire	300	0	3000	3000	3000	3000	3000	3000					-40/+212	100R17			A-12
341	4-spiral, wire			4500	4000		3000	3000	2500					-40/+212	100R9AT			A-12
302	2-braids, wire	580	0 5000	4750	4000	3600	3100	2400	1800	1300	1150			-40/+212	100R2AT	1436-1-2SN		A-13
471TC/ST	2-braids, wire	580	0	5000	4250	3625	3125	2500						-40/+212		11237-1-2SC	857-2SC	A-13
472TC	2-braids, wire								2250	1800	1300			-40/+212				A-13
351TC/ST	2-braids, wire	400	0 4000	4000	4000	4000	4000							-40/+212				A-14
721/721TC	4-spiral, wire			4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12	A-14
721ST	4-spiral, wire				4000	4000	4000	4000	3000					-40/+257	100R12	3862-1-R12	856-R12	A-14
772TC/ST	4-spiral, wire			4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12	A-15
774	4-spiral, wire						4000	4000	3000	2500	2500			-40/+176				A-15
711	4-spiral, wire									3000	3000			-40/+212	100R11			A-15
781/P35	4/6-spiral, wire						5000	5000	5000	5000	5000			-40/+257	100R13	3862-1-R13	856-R13	A-16
782TC/ST	4/6-spiral, wire						5000	5000	5000	5000				-40/+257	100R13	3862-1-R13	856-R13	A-16
701	4-spiral, wire			6500	6000	5000								-40/+212		3862-1-4SP		A-17
731	4-spiral, wire						6000	5500	4700	4200	3600			-40/+212		3862-1-4SH		A-17
791TC	4/6-spiral, wire						6000	6000	6000	6000				-40/+257	100R15	3862-1-R15		A-18
792TC/ST	4/6-spiral, wire							6000						-40/+257	100R15	3862-1-R15		A-18
761	6-spiral, wire						8000							-40/+257				A-19
JK	2-braids, wire	105	00	10000	1		0000							-40/+120				A-19
811/811HT with HC	1-braid, 1-spiral wire			.0000			100	70	50	50	50	62		-40/+212	100R4			A-20
881 with HC	2-braids, 1-spiral wire						100	70	50	50	50	62		-40/+257	100R4			A-21
811/811HT with 81	1-braid, 1-spiral wire						300	250	200	150	100	62		-40/+212	100R4			A-20
	2-braids, 1-spiral wire						300	250	200	150	100	62		-40/+257	100R4			A-21
804	1-braid, fiber	15	)	150	150		150	230	200	150	100	02		-40/+176	100114			A-22
					250	250	250	175						-40/+170 -40/+212				A-22
801	1-braid, fiber	25		250		250	250	1/3										
836	1-braid, fiber	25		250	250	250	250							-55/+302 40/±212				A-22
821	1-braid, fiber	35		300	300	250	250							-40/+212				A-23
821FR	1-braid, fiber	35		300	300	200	250							-40/+212 -40/+212				A-23
831	1-braid, fiber	35	,	300	300	300	300								14.400.1			A-23
271	1-braid, fiber			225	225		0-							-50/+212	J1402 A			A-24
SS23CG	1-braid, wire			350	350	350	350							-40/+250				A-24
SS25UL	1-braid, wire	35	350	350	350	350	350							-40/+250				A-24
293	1-braid, fiber	50	)	500	500	450	450	450						-58/+302				A-25
221FR	1-braid, wire		500	500	500	500	500	500						-4/+212	J1527 R3/J1942	7840		A-25
213	1-braid, wire	200	0 1500	1500	1250	1000	750	400	300	300	200			-50/+302				A-26
266	1-braid, wire	200	0 1500	1500	1250	1250	750	400	300	250				-55/+302	J1402 AII			A-26
201	1-braid, wire	300	0 3000	2250	2000	1750	1500	800	625	500	350	350	200	-40/+302	100R5/			A-27
206	1-braid, wire	300	0 3000	2250	2000	1750	1500	800	625	500	350	350		-55/+302	J1402 AII 100R5/ J1402 AII			A-27
225	1-braid, wire		0 3000				1500	800	625	500	350			-40/+212	31402 All			A-28
285	1-braid, wire	50		500	500	500	500							-22/+257	J2064 Type C			A-29
244	1-braid, wire							500	500	500				-22/+257	J2064 Type B			A-29
	i-ulaiu, wife							200	200	UUU				-221+201	TVDE B			M-29

### Flanges



Available in SAE Code 61, SAE Code 62, Designed with a flat face and O-ring to DIN, ISO and Caterpillar® specification. Flanges come in an array of bent tube configurations and sizes.

Material	Steel
Sizes	1/2" through 2-1/2"
Pressure	Up to 6000 psi

### JIC 37° and SAE 45°



Flared fittings come in shapes and sizes to meet your connection requirements.

Material: Steel, brass and stainless steel	1
Sizes 1/4" through 2"	
Pressure Up to 6000 psi	F

### **Pipe Fittings**



Fittings create a metal-to-metal seal. Threads of the fitting mate with the threads of the connecting port or

oupling.	
laterial: Steel, brass	and stainless steel
izes	1/8" through 2"
ressure	Up to 10000 psi

### Seal Lok®



create the optimal seal for leak-free hydraulic applications.

Material Stee	l and stainless steel
Sizes	. 1/4" through 1-1/2"
Pressure	Up to 6000 psi

### **SAE 100R5**



Fittings provide leak-free port connections-Fittings available in shapes and sizes that meet most SAE 100R5 hose and the threads hold the fitting in place while

all conditioning nose applications.	
Material: Steel and brass	
Sizes	3/16" through 1-13/16"
Pressure	Up to 3000 psi

**Armor Guard:** 

Constructed from

steel and designed

o prolong the life

f your hose lines

o rugged operatior

hat are exposed

Partek: Nylon

woven protective

leeving gives you

ough hose abrasion

esistance with two

overage – standar

AS" and a lighter

PS"-both providir

undling capability

rotection and

ersions of

the O-ring creates the seal.

Material: Steel

Sizes...

Pressure ..

Fittings are available in DIN, BSP, ISO,

Sizes .... 1/8"/ 3 mm through 2" / 38 mm

. Up to 9000 psi

French and JIS standards.

Material ..

Pressure ....

Parkoil: Protect and bundle your oses with these spiral guards that ninimize kinking and cannot rust. Both the PolyGuard and Parkoil install ithout removing

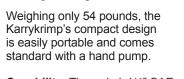
olyGuard &

1/4" through 2"

. Up to 6000 psi



### Firesleeve: A flameresistant sheath that protects your hose from extreme high temperature conditions **Strain Relievers:** Help prevent the nose from bending oo close to the fittin nd remove stress fro e end of the crimp.



Karrykrimp

Capability: Through 1-1/4" SAE 100R2 Full cycle time: 30 seconds with electric pump Power source: Choice of Enerpac power units

Karrykrimp 2

power the unit.

The Karrykrimp 2 is designed

crimping ability for stainless steel

fittings. A two-stage hand pump,

electric, air/hydraulic or battery-

powered unit is available to

Capability: Through 1-1/4"

Will crimp stainless-steel fittings

Full cycle time: 60 seconds-electric

Power source: Enerpac power units

Superkrimp

as listed.

SAE100R12 Through 1" SAE 100R13

for portability and increased

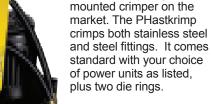


Parker's most popular benchmounted unit is designed for easy and quick hose assembly fabrication. Power unit, dies and die rings are standard.

Capability: Through 1-1/4" SAE

Full cycle time: 20 seconds Power source: 115 volt power unit





Capability: Through 1-1/4" 4-spiral (SAE 100R12). Through 1" 6 spiral (SAE 100R13). Will crimp stainless-steel fittings Full cycle time: 6 seconds Power source: 230 3-phase or 230V 1-phase

## Parkrimp 2



Capability: Through 2" SAE Full cycle time: 20 seconds Power source: 230/460V 3-phase or 230V 1-phase



