

Equipment Selection

Karrykrimp

Weighing only 54 pounds, the Karrykrimp's compact design is easily portable. A two-stage hand pump, electric, air/hydraulic or battery-powered unit is available to power the unit.

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



Karrykrimp 2

The Karrykrimp 2 is designed for portability and increased crimping ability for stainless steel fittings. A two-stage hand pump, electric, air/hydraulic or battery-powered unit is available to power the unit.

Capability: Through 1-1/4" SAE 100R12 Through 1" SAE 100R13 Will crimp stainless-steel fittings
Full cycle time: 20 seconds-electric pump
Power source: Choice of Enerpac power units



Superkrimp

Heavy-duty, bench-mounted crimping machine crimps both steel and stainless steel fittings. Adapter bowl, spacer ring, spacer plate and choice of listed power units are standard.

Capability: Through 2" SAE 100R2
Full cycle time: 20 seconds
Power source: 230/460V 3-phase or 230/460V 1-phase



Parkrimp 1

Parker's most popular bench-mounted unit is designed for easy and quick hose assembly fabrication. Power unit and die rings are standard.

Capability: Through 1-1/4" SAE 100R2
Full cycle time: 20 seconds
Power source: 115 volt power unit



PHastkrimp

The fastest cycling bench-mounted crimper on the market. The PHastkrimp crimps both stainless steel and steel fittings. It comes standard with your choice of power units as listed, plus two die rings.

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



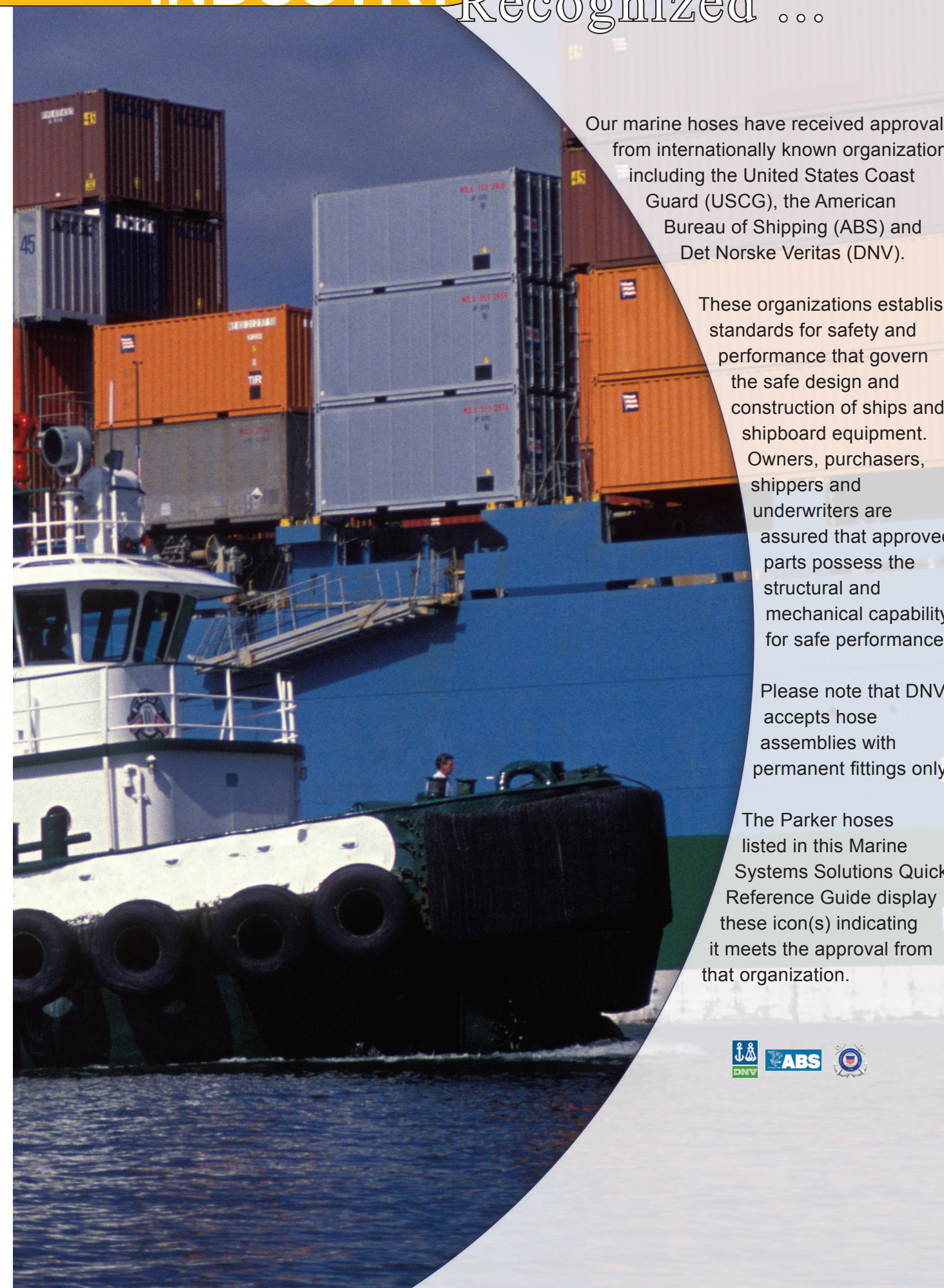
Parkrimp 2

This heavy-duty, floor-mounted machine crimps a full range of Parker hoses through 2". Adapter bowl, spacer ring, spacer plate, stand and choice of listed power units are standard.

Capability: Through 2" 6-spiral (SAE 100R13). Through 1-1/4" 6 spiral (SAE 100R15). Will crimp all stainless-steel fittings.
Full cycle time: 30 seconds
Power source: 230/460V 3-phase or 230/460V 1-phase



INDUSTRY Recognized ...



Our marine hoses have received approvals from internationally known organizations including the United States Coast Guard (USCG), the American Bureau of Shipping (ABS) and Det Norske Veritas (DNV).

These organizations establish standards for safety and performance that govern the safe design and construction of ships and shipboard equipment. Owners, purchasers, shippers and underwriters are assured that approved parts possess the structural and mechanical capability for safe performance.

Please note that DNV accepts hose assemblies with permanent fittings only.

The Parker hoses listed in this Marine Systems Solutions Quick Reference Guide display these icon(s) indicating it meets the approval from that organization.



Hose, Fittings, and Equipment: Marine Quick Reference Guide



Marine Systems Solutions Applications:

Anchor Windlasses
 Auxiliary Winch
 Bow Thrusters
 Bucket Controls / Jet Drives
 Capstans
 Cargo Pumps
 Cargo Systems
 Davits
 Deck Cranes
 Fuel Hose and Fittings
 Fuel Systems
 Hatch Lifters
 Passerelles
 Propulsion Gear Box
 Ride Control
 Sail Winches
 Stabilizers
 Steering Systems
 Swing Up Azimuth Thrusters
 Telescopic Light Mast
 Towing Winch
 Trim Tabs
 Watertight Doors

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

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

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

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories ("Products") can cause death, personal injury and property damage.
 • Fittings thrown off at high speed.
 • High velocity fluid discharge.
 • 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.
 • Dangerously whipping hose.
 • Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
 • Sparking or explosion caused by static electricity buildup or other sources of electricity.
 • Sparking or explosion while spraying paint or flammable liquids.
 • Injuries resulting from inhalation, ingestion or exposure to fluids.
 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.



Marine Quick Reference Guide

Bulletin 4480-B132-US June 2007



MARINE Systems Solutions







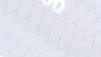





The Parker Hannifin Hose Products Division Marine Program opens the door to comprehensive coverage of marine applications.














We offer the widest range of hydraulic, fuel, and pneumatic hoses available today to service the performance requirements of the marine industry.






Whether designing for high performance, smaller envelope sizes, extreme durability or fluid compatibility, Parker's marine hose program has a hose that solves your marine requirement.

Our team of Parker professionals is ready to assist you with engineering support, fluid connector systems design and proper product selection.







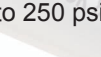







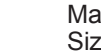

Hose Selection

Type A Fuel Hose	221FR Fire Resistant	206 Fuel Hose	225 Marine Hose
	 Fire resistant marine fuel and engine hose designed for use with gasoline, ethanol blends, diesel fuels, petroleum based hydraulic fluids and lubricating oils. Sizes: 1/4" through 7/8" I.D. Pressure Up to 500 psi Approvals:   	 Marine fuel hose for use with petroleum based hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions. Sizes: 3/16" through 2-3/8" I.D. Pressure Up to 3000 psi Approvals:   	 Rubber covered marine fuel hose for use with petroleum based hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions. Sizes: 3/16" through 1-13/16" I.D. Pressure Up to 3000 psi Approvals:   

Hydraulic Hose	302 Worldwide Hose	422 Worldwide Hose	451TC TOUGH COVER Hose	471TC TOUGH COVER Hose
	 Parker Worldwide hydraulic hose for use with petroleum based hydraulic fluids and lubricating oils. Sizes 1/4" through 2" I.D. Pressure Up to 5800 psi Approvals:   	 Parker Worldwide hydraulic hose for use with petroleum based hydraulic fluids and lubricating oils. Sizes 1/4" through 2" I.D. Pressure Up to 3250 psi Approvals:   	 3000 psi constant working pressure hydraulic hose for use with petroleum based hydraulic fluids and lubricating oils. Sizes .. 1/4" through 1-1/4" I.D. Pressure Up to 3000 psi Approvals:   	 Marine hydraulic hose for use with petroleum based hydraulic fluids and lubricating oils. Sizes 1/4" through 1" I.D. Pressure Up to 5800 psi Approvals:   

Hydraulic Hose	772TC TOUGH COVER Hose	782TC TOUGH COVER Hose	791TC TOUGH COVER Hose	792TC TOUGH COVER Hose
	 SAE 100R12 hose with Tough Cover abrasion resistant cover for use with petroleum based hydraulic fluids and lubricating oils. Sizes 3/8" through 2" I.D. Pressure Up to 4000 psi Approvals:   	 SAE 100R13 hose with Tough Cover abrasion resistant cover for use with petroleum based hydraulic fluids and lubricating oils. Sizes 3/4" through 1-1/2" I.D. Pressure Up to 5000 psi Approvals:   	 SAE 100R15 hose with Tough Cover abrasion resistant cover for use with petroleum based hydraulic fluids and lubricating oils. Sizes 3/4" through 1-1/2" I.D. Pressure Up to 6000 psi Approvals:   	 SAE 100R15 hose with Tough Cover abrasion resistant cover for use with petroleum based hydraulic fluids and lubricating oils. Sizes 3/4" through 1" I.D. Pressure Up to 6000 psi Approvals:   

Hose continued

Suction and Return Hose	811HT High Temperature	801 Multipurpose Hose	821 Multipurpose Hose	821FR Multipurpose Hose
	 Marine suction and return line hose designed for use with petroleum based hydraulic fluids and lubricating oils. Sizes 3/4" through 2-1/2" I.D. Pressure Up to 300 psi Approvals:   	 Multipurpose hose for pneumatic, petroleum based hydraulic fluid, lubricating oils and antifreeze solutions. Synthetic rubber cover, MSHA approved. Sizes 1/4" through 1" I.D. Pressure Up to 250 psi Approvals:   	 General purpose hose for use with petroleum based hydraulic fluids, lubricating oils and antifreeze solutions. Sizes 1/4" through 3/4" I.D. Pressure Up to 350 psi Approvals:   	 Multi-purpose hose with fire resistant cover for use with petroleum based hydraulic fluids, lubricating oils and antifreeze solutions. Sizes .. 1/4" through 1-3/4" I.D. Pressure Up to 350 psi Approvals:   

Approvals



Hose Type	Hose Size	Hose Reinforcement	Working Pressure (psi)												Standard Temp. Range °F	SAE	ISO	EN
			-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40					
Fuel Hose	221FR	1-braid, wire	500	500	500	500	500	500							-4/+212	J1527	7840	
	206	1-braid, wire	3000	3000	2250	2000	1750	1500	800	625	500	350	350	-55/+302	100R31/1942			
	225	1-braid, wire	3000	3000	2250	2000	1750	1500	800	625	500	350	350	-40/+212	100R5/J1402 All			
Hydraulic Hose	302	2-braids, wire	5800	5000	4750	4000	3600	3100	2400	1800	1300	1150		-40/+212	100R2AT	1436-1-2SN		
	422	1-braid, wire	3250	3125	2600	2325	1875	1625	1275	900	725	575		-40/+212	100R1AT	1436-1-1SN		
	451TC	1-braid, wire	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000		-40/+212	100R17			
	471TC	2-braids, wire	5800	5000	4250	3625	3125	2500						-40/+212	11237-1-2SC	857-2SC		
	772TC/ST	4-spiral, wire		4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12	
	782TC/ST	4/6-spiral, wire					5000	5000	5000	5000				-40/+257	100R13	3862-1-R13	856-R13	
Suction and Return Hose	791TC	4/6-spiral, wire					6000	6000	6000	6000			-40/+257	100R15	3862-1-R15			
	792TC/ST	4/6-spiral, wire					6000	6000	6000				-40/+257	100R15	3862-1-R15			
	811HT	1-braid, 1-spiral wire					100	70	50	50	50	62	-40/+212	100R4				
Push Lok Hose	801	1-braid, fiber	250	250	250	250	250	175					-40/+212					
	821	1-braid, fiber	350	300	300	250	250						-40/+212					
	821FR	1-braid, fiber	350	300	300	250	250						-40/+212					

Accessories:



Spring Guard & Armor Guard: Constructed from steel and designed to prolong the life of your hose lines that are exposed to rugged operation conditions.



PolyGuard & Parkoil: Protect and bundle your hoses with these spiral guards that minimize kinking and cannot rust. Both the PolyGuard and Parkoil install without removing the hose.



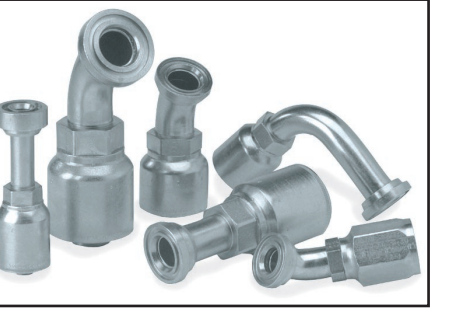

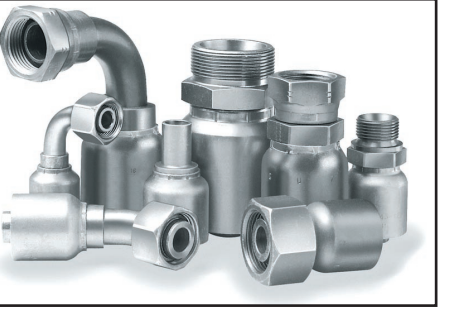
Partek: Nylon woven protective sleeving gives you tough hose abrasion resistance with two versions of coverage – standard "AS" and a lighter "PS"—both providing protection and bundling capability.




Firesleeve: A flame-resistant sheath that protects your hose from extreme high temperature conditions.

Strain Relievers: Help prevent the hose from bending too close to the fitting and remove stress from the end of the crimp.

Fitting Selection

Flanges	Seal Lok®	Metric
 Available in SAE Code 61, SAE Code 62, 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	 Designed with a flat face and O-ring to create the optimal seal for leak-free hydraulic applications. Material Steel and stainless steel Sizes 1/4" through 1-1/2" Pressure Up to 6000 psi	 Fittings are available in DIN, BSP, ISO, French and JIS standards. Material Steel Sizes 1/8" / 3 mm through 2" / 38 mm Pressure Up to 9000 psi

JIC 37° and SAE 45°




Fared fittings come in shapes and sizes to meet your connection requirements.
 Material .. Steel, brass and stainless steel
 Sizes 1/4" through 2"
 Pressure Up to 6000 psi

SAE 100R5



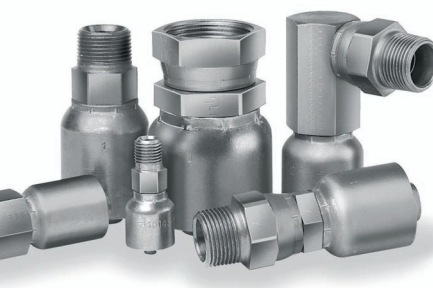
Fittings available in shapes and sizes that meet most SAE 100R5 hose and air conditioning hose applications.
 Material Steel and brass
 Sizes 3/16" through 1-13/16"
 Pressure Up to 3000 psi

SAE Straight Thread



Fittings provide leak-free port connections—the threads hold the fitting in place while the O-ring creates the seal.
 Material Steel
 Sizes 1/4" through 2"
 Pressure Up to 6000 psi

Pipe Fittings



Fittings create a metal-to-metal seal. Threads of the fitting mate with the threads of the connecting port or coupling.
 Material .. Steel, brass and stainless steel
 Sizes 1/8" through 2"
 Pressure Up to 10000 psi

Custom Tube Fabrication

Some applications require the use of hard plumbing instead of a hose assembly. These custom projects can include tube fabrication and fittings not found anywhere else. Using custom tube and compound (hose and tube) 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.

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

1-888-882-1202 Fittings
 - or -
 1-866-703-8823
 Tube Fabrication

