

Pressure Chart

HYDRAULIC

Braided: Offering superior flexibility, these hoses are constructed with a braided reinforcement. For use with petroleum-based fluids, diesel fuel, hot lubricating oil, air, ethylene glycol anti-freeze, and water.

Spiral: Constructed with four- or six-spiral reinforcement. For use with petroleum-based, water/glycol hydraulic fluids.

Compact Spiral Hose: With half the bend radius of its SAE counterpart and a significantly smaller bend radius, Compact Spiral Hoses offers measurably greater advantages in routing and installation.

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

SUCTION AND RETURN

Constructed with a helical wire spiraled throughout textile reinforcement to prevent collapse under vacuum. Ideal for both standard and high-temperature applications.

PUSH-LOK®

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

PHOSPHATE ESTER

Parker offers EPDM hose with excellent compatibility for ground support and aviation test equipment using phosphate-ester based hydraulic fluids.

LOW TEMPERATURE

Designed specifically to excel in the brutal operating conditions of extreme cold, Low Temp hoses are rated as low as -70°F (-57°C).

TRANSPORTATION

For marine fuel lines, L.P.G. and C.N.G. hose, and truck applications such as power steering, cab tilt, air intake, diesel fuel, air brake, and lube line systems.

ALTERNATIVE/MARINE

Offering gas permeation resistance to fire-resistance, these hoses are constructed for reliable performance. For a variety of uses including liquefied petroleum gas, compressed natural gas, gasoline, ethanol blends, and diesel fuels.

REFRIGERANT

For air conditioning and refrigeration system applications.

Hose Size	Hose Reinforcement	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	Standard Temp. Range °F	SAE	ISO	EN	
Hydraulic	BXX	5000			4000	3500	2750	2250	2000					-40/+212	100R2			
	701				6500	6000	5000							-40/+212		3862-1-4SP	856-4SP	
	731							6000	5500	4700	4200	3600		-40/+212		3862-1-4SH	856-4SH	
Suction & Return Line	811/811HT with HC							100	70	50	50	50	62	-40/+212	100R4			
	811/811HT with 81							300	250	200	150	100	62	-40/+212	100R4			
	881 with HC							100	70	50	50	50	62	-40/+257	100R4			
	881 with 43/61/DB							300	250	200	150	100	62	-40/+257	100R4			
Push-Lok	801	350		350	300	300	200							-40/+212				
	836	400		400	400	350	300							-55/+302				
	804	150		150	150	150	150							-40/+176				
	821FR	350		300	300		250							-40/+212				
Phosphate Ester	821	350		300	300	250	250							-40/+212				
	304	5000		4000	3500	2750	2250	2000	1625	1250	1125			-40/+176				
	774							4000	4000	3000	2500	2500		-40/+176				
Low-Temp	424							1000	625	500	375			-40/+176	100R1AT			
	F42							6000	6000	6000	6000			-40/+176				
	301LT	5000		4000	3500	2750	2250	2000						-67/+212	100R2			
Transportation	772LT							4000	4000	4000	4000	3000	2500	2500	-70/+212	100R12	3862-1-R12	856-R12
	792LT																	
	293	500		500	500	450	450	450						-58/+302	J1402 AI			
	213	2000	1500	1500	1250	1000	750	400	300	300	200			-50/+302	J1402 AI			
	266	2000	1500	1500	1250	1250	750	400	300	250				-55/+302	J1402 All			
	201	3000	3000	2250	2000	1750	1500	800	625	500	350	350	200	-40/+302	100R5/ J1402 All			
	206	3000	3000	2250	2000	1750	1500	800	625	500	350	350		-55/+302	100R5/ J1402 All			
Alternative/Marine	611HT	400		400	400	350	300							-55/+302	J517 Type R6		854	
	271				225	225								-55/+212	J1402 A			
	SS23CG			350	350	350	350							-40/+250				
Refrigerant	SS25UL	350	350	350	350	350	350							-40/+250				
	221FR		500	500	500	500	500	500						-4/+212	J1527 R3/J1542	7840		
	285	500		500	500	500	500							-22/+257	J2064 Type C			
244HT							500	500	500				-22/+257	J2064 Type B Class 1				

Pressure Chart

Hose Size	Hose Reinforcement	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	Standard Temp. Range °F	SAE	ISO	EN
Constant Working Pressure	451TC/ST	3000		3000	3000	3000	3000	3000	3000					-40/+212	100R17	11237-1-R17	
	451TC Twin Tough				3000	3000								-40/+212	100R17	11237-1-R17	
	351TC/ST	4000		4000	4000	4000	4000							-40/+212	100R19		
	722TC			4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12
	772TC/ST			4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12
	721/721TC			4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12
	721ST				4000	4000	4000	4000	3000					-40/+257	100R12	3862-1-R12	856-R12
	787TC				5000	5000	5000	5000	5000					-40/+257	100R13	18752-DC	
	781					5000	5000	5000	5000					-40/+257	100R13	3862-1-R13	856-R13
	P35											5000		-40/+257	100R13	3862-1-R13	856-R13
	782TC/ST						5000	5000	5000	5000				-40/+257	100R13	3862-1-R13	856-R13
	797TC					6000	6000	6000	6000	6000				-40/+257	100R13	18752-DC	
	791TC						6000	6000	6000	6000				-40/+257	100R15	3862-1-R15	
	792TC/ST							6000	6000					-40/+257	100R15	3862-1-R15	
761							8000	8000					-40/+257				
Hydraulic - Industry Standard	JK	10500		10000										-40/+120			
	422	3250	3125	2600	2325	1875	1525	1275	900	725	575			-40/+212	100R1AT	1436-1-1SN	
	482TC/ST	3250	3250	3000	2500	2000	1750	1275						-40/+212	100R1AT	1436-1-1SN	853-1SN
	426	2750		2250	2000	1500	1250	1000	625	500	375			-50/+302	100R1AT		
	302	5800	5000	4750	4000	3600	3100	2400	1800	1300	1150			-40/+212	100R2	1436-1-2SN	
	431	5000	4250	4000	3500	2750	2250	2000						-40/+257			
	436				4000	3500	2750	2250	2000					-55/+302			
	471TC/ST			5800		5000	4250	3625	3125	2500				-40/+212		11237-1-2SC	857-2SC
	472TC									2250	1800	1300		-40/+212			
	471TC Twin Tough					5000	4250							-40/+212		11237-1-2SC	857
AX	3000		3000	2500	1500	1250	1000						-40/+212				

Hose, Fittings and Equipment

Quick Reference Guide for Catalog 4400



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
Stafford, TX
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
Wickliffe, OH
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
phone 419 878 7420
(FCG Kit Operations)

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

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Hose, Fittings, and Equipment

Quick Reference Guide 4400-B13



ENGINEERING YOUR SUCCESS.

Make the Right Connection



We strive to provide customers with local engineering, local products and local service.

Parker offers the largest selection of hoses plus more fitting sizes than any other manufacturer. You'll find a wide variety of hoses including braided, spiral and multi-purpose, and more than 4,500 Parkrimp fittings. Parker products have been designed, tested and approved to meet and exceed global standards.



Parker offers the most comprehensive line of hoses, fittings, equipment and accessories.

Pride in our products: At Parker, we believe the best fluid connector products for your operation are the ones that get the job done right. We offer the most comprehensive line of hoses, fittings, equipment and accessories you'll need. And if there's something you need that's not a standard product, we're able to design and manufacture it for you with ease.

The right product is available for your application, including hose that features a variety of abrasion-resistant cover choices, flexibility, a wide range of media compatibility and more –

characteristics that make Parker the hose supplier of choice for customers that demand the most from their equipment.

You'll also benefit from our ultimate competitive advantage – our network of distribution outlets that can provide our products nearly anytime and anywhere.



PARKER TRACKING SYSTEM (PTS)



PTS helps customers reduce equipment and machinery downtime by increasing the speed, timing and accuracy of acquiring replacements. Using a web-based application, PTS generates a unique identification code for each hose assembly which is printed on a durable barcode or RFID label.

PTS can eliminate costly hours of equipment downtime, helping customers achieve greater productivity and profitability.

www.parker.com/pts



MOBILE PHONE APP



Need a hose or fitting? We'll help you find it. Configure your selection by using Parker's STAMP process, or browse by category for thousands of hoses, fittings and accessories. It's like a catalog in your pocket, only better. How can something so powerful, be so small?

www.hosefinder.com



PARKERSTORE ONSITE MOBILE WORK CONTAINERS



To provide expert service even in the most remote job site locations, the ParkerStore Onsite Program delivers a fully customized mobile workspace directly to your job site. These highly efficient and mobile container-based work sites provide all the technology, equipment and inventory needed for remote fabrication of hose and tube assemblies, and much more. The ParkerStore Onsite container solution will significantly reduce the time it takes to obtain critical spares or fabricate replacement hose assemblies. Equipment and labor downtime are greatly reduced, keeping your operations up and running longer.

www.parker.com/onsite



PARKERSTORE



Around the corner, around the world, your local ParkerStore is your source for fast access to all of the hose assemblies, hydraulics, pneumatics, filtration and related products you need. Whether it's through a bricks-and-mortar location or from one of our mobile HOSE DOCTOR® operators, our unique approach to Industrial Retail™ service puts your productivity first.

www.parkerstore.com



Hose Selection

CUSTOM MANUFACTURING



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

Call 888.882.1202

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 a single part number for easier processing.

Call 419.878.7000

Equipment

Modular Crimper – Portable or Bench-mounted Parker offers two Parkrimp-style modular crimpers – the Karrykrimp and the Karrykrimp 2. Their modular design enables the customer to choose between the portability that Parker Karrykrimp crimpers have always offered and the new option to make these same crimpers bench-mounted units.

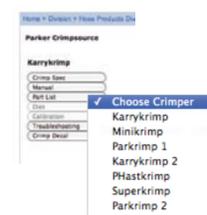


CRIMPSOURCE™

The industry's most complete resource for crimper technical information, Crimpsource contains all of the crimp specifications approved for Parker's rubber, industrial and thermoplastic hose:

- Crimp specs
- Parts lists
- PDFs of technical manuals
- Troubleshooting advice
- PDFs of crimper decals

Crimpsource provides easy access to all of the specifications necessary to correctly fabricate a factory quality hose assembly. A series of drop down menus enables users to find what they need quickly and easily. Choose your crimper, and then select the hose, fittings and current specifications needed to make hose assemblies. You can also print a simple-to-follow data specification sheet or crimper decal. www.parker.com/crimpsource



Fitting Selection



FLANGES

Available in SAE Code 61, SAE Code 62, DIN, ISO and Caterpillar® specification. Flanges come in an array of configurations and sizes.

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



SEAL-LOK®

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



METRIC

Fittings are available in DIN, BSP, ISO, French and JIS standards.

Material..... Steel and stainless steel
Sizes 1/8" / 3 mm through 2" / 38 mm
Pressure Up to 6000 psi



JIC 37° and SAE 45°

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

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

ACCESSORIES



Spring Guard & Armor Guard:
Constructed from steel with these spiral guards that minimize kinking and cannot rust. Both the PolyGuard and Parkoil install without removing the hose.



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.



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 and stainless steel
Sizes 1/8" through 2"
Pressure Up to 10000 psi

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. POSSIBLE CONSEQUENCES OF FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THESE PRODUCTS INCLUDE BUT ARE NOT LIMITED TO:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocutation from high voltage electric power lines.
- 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.

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.

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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."

www.parker.com/offerofsale