View Contents
Overview

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Hose, Fittings, and Equipment

Catalog 4400 September 2007

Parker

ENGINEERING YOUR SUCCESS.

How to Use This Catalog

Table of Contents

For quick, easy listing of topics covered by section, reference the Table of Contents on page 1.

Information by Part Number

If you know the Parker part number, see the Part Number Index in Section E. There you will find the page number where the specific part number appears.

Information by Type of Part

Reference the Table of Contents on page 1, or check the visual index found on the first page of each section of the catalog.

Information by Fitting End Configuration

Our Fitting End Configuration List is in Section E. The list identifies the cataloged fittings by a description of the end configuration, fitting end codes, and available fitting series.

The Parker Part Numbering System

The part numbering system for hose and fittings is explained on page 7. The part numbering system for hose assemblies can be found on pages A-5 and A-6.

International Symbols

Wondering about the symbols we use? An explanation of the symbols and their meaning can be found to the right.

SYMBOL	MEANING
#	Part Number
	Hose Inner Diameter (I.D.)
	Hose Outer Diameter (O.D.)
	Working Pressure
	Minimum Bend Radius
kg	Weight
UHg	Vacuum Rating
	Parkrimp Fitting
	Field Attachable Fitting
	Thread Size
	Hex Size
	Flange End
∅	Diameter

If you have questions about the products contained in this catalog, or their applications, please contact:

Parker Hose Products Division
Phone: (440) 943-5700 · Fax: (440) 943-3129
www.parkerhose.com

Extra care is taken in the preparation of this literature, but Parker is not responsible for any inadvertent typographical errors or omissions. Information is subject to change without notice. The information in this catalog is only accurate as of the date of publication. For a more current information base, please consult the Parker Hose Products Division web site at *www.parkerhose.com.*

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 in the "Offer of Sale."

Parker Warning:

Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories

Parker Publication No. 4400-B.1 Revised: May, 2002

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.
- 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.

Before selecting or using any of these Products, it is important that you read and follow the instructions below. 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.

Introductory Section

Hose

Hydraulic
Suction and Return
Push-Lok®
Transportation
Refrigerant

Fittings

Parkrimp (crimp)
Field Attachable

Equipment

Parkrimp Crimpers
Die Selection Charts
Pumps
Hose Assembly Equipment

Accessories

Flange Adapters and Kits
O-Rings
Hose Guards
Clamps
Workstations

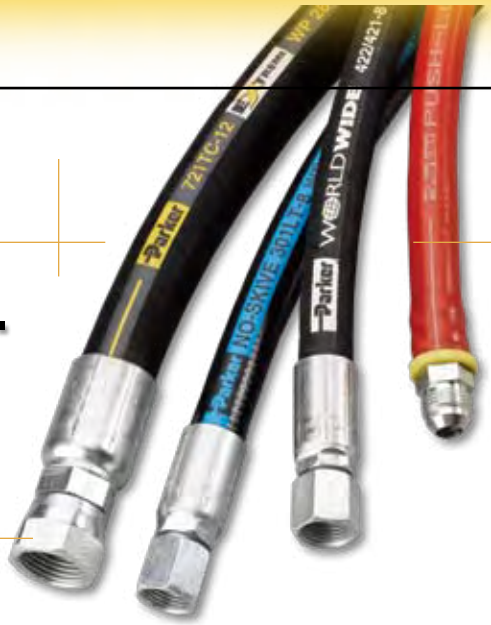
Technical

Size
Temperature
Application
Media
Pressure Information

Part Number Index
Safety Guide

Before You SPEC it, STAMP it.

Size
Temperature
Application
Media
Pressure



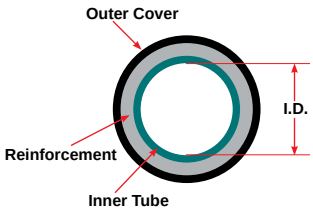
When you order hose and fittings from Parker, remember the word "STAMP." That way you won't forget important information!

Size

Parker uses a system of measurement called Dash Numbers to indicate hose and fitting size. The Dash Number, or Dash Size, is the measure of a hose's Inner Diameter (I.D.) in sixteenths of an inch. (The exception to this is SAE 100R5 hose. See the chart below for complete details.)

This measuring system of the inside diameter of the hose is universally used by the fluid power industry today.

Don't know the hose size? Check the layline. If the original printing has worn off, the original hose must be cut and the inside diameter measured. Be sure to measure the overall assembly length and fitting orientation before cutting the hose.



The hose I.D. must be sized accurately to obtain the proper flow velocity. A flow that's too slow results in sluggish system performance, while a flow that's too high causes excessive pressure drops, system damage, and leaks.

Use the Flow Capacity Nomogram in Section E to determine the proper hose I.D. for your application's flow rate requirements.

	Hose I.D. (inches)			
	All except Transportation and Refrigerant Hoses		Transportation and Refrigerant Hoses	
Dash No.	Inches	Millimeters	Inches	Millimeters
-3	3/16	5	–	–
-4	1/4	6,3	3/16	5
-5	5/16	8	1/4	6,3
-6	3/8	10	5/16	8
-8	1/2	12,5	13/32	10
-10	5/8	16	1/2	12,5
-12	3/4	19	5/8	16
-16	1	25	7/8	22
-20	1-1/4	31,5	1-1/8	29
-24	1-1/2	38	1-3/8	35
-32	2	51	1-13/16	46
-40	2-1/2	63	2-3/8	60
-48	–	–	3	76

Temperature

When specifying hose, there are two temperatures you need to identify. One is the **ambient temperature**, which is the temperature that exists outside the hose where it is being used; the other is the **media temperature**, which is the temperature of the media conveyed through the hose.

Very high or low ambient temperatures can have adverse affects on the hose cover and reinforcement materials, resulting in reduced service life.

Media temperatures can have a much greater impact on hose life. For example, rubber loses flexibility if operated at high temperatures for extended periods.

Parker hoses carry different temperature ratings for different fluids. For example, 811HT hose has a temperature range of -40°F to + 257°F (-40°C to +125°C) for petroleum-based hydraulic fluids. However for water, water/glycol, and water/oil emulsion hydraulic fluids, the range drops to a rating of up to +185°F (+ 85°C). Air is rated even lower at up to 158°F (+ 70°C).

Some media can increase or decrease the effects of temperature on the hose. The maximum rated temperature of a hose is specific to the media. See the Minimum/ Maximum Temperature Chart in Section E for a full listing of all temperature ratings.

Hose Hint

A hose assembly should be routed so that the hose is not stretched, compressed, or kinked to assure maximum service life and safety.

Application

Before selecting a hose, it is important to consider how the hose assembly will be used. Answering the following questions may help:

- What type of equipment is involved?
- What are the environmental factors?
- Are mechanical loads applied to the assembly?
- Will the routing be confined?
- What about hose fittings – permanent or field attachable?
- Will the assembly be subjected to abrasion?

Sometimes specific applications require specific hoses. For example, applications where hoses will encounter rubbing or abrasive surfaces would best be handled by our family of abrasion-resistant hoses with both Tough and Super Tough covers.

When application space is tight, bend radius is another important consideration. Parker offers a full line of hoses designed for one-half SAE bend radius at full SAE-rated pressures. Our Compact™ hoses' increased flexibility and smaller outer diameter allows faster, easier routing in small spaces, reducing both hose length and inventory requirements.

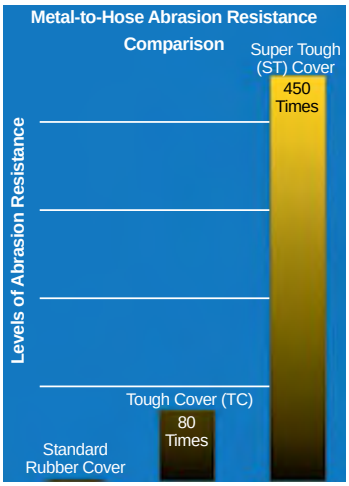
Industry standards set specific requirements concerning construction type, size, tolerances, burst pressure, and impulse cycles of hoses. Parker hydraulic hoses meet or exceed standards such as:

- SAE (Society of Automotive Engineers)
- EN (European Norm)
- DIN (Deutsche Institute fur Normung)
- ISO (International for Standardization [see p. D-13] Organization)

Governmental agencies control additional standards for particular industries such as the United States Coast Guard and the American Bureau of Shipping. You must select a hose that meets the legal requirements as well as the functional requirements of your application.

Hose Hint

When considering the bend radius of a hose assembly, a minimum straight length of twice the hose's outside diameter should be allowed between the hose fitting and the point at which the bend starts.



Results from the ISO 6945 metal-to-hose abrasion test show that Tough Cover and Super Tough cover hoses offer significantly greater abrasion resistance than standard rubber cover hose.

Parker offers a full line of one-half SAE bend radius hoses, such as our 471TC.

Before You SPEC it,

STAMP it.

Size
Temperature
Application
Media
Pressure

Media

What will the hose convey? Some applications require the use of specialized oils or chemicals. Consequently, the hose you order must be compatible with the medium being conveyed. Compatibility must cover not just the inner tube, but the cover, hose fittings, and O-rings as well. Use the Chemical Resistance Chart found in Section E to select the correct components of the hose assembly that will be compatible with your system's media. The chart contains the chemical resistance rating of a variety of fluids.

Hose Hint

For long service life and leak-free functionality, it is vital that the hose assembly be chemically compatible with both the fluid being conveyed through the hose as well as the environment of the hose.

Pressure

When considering hose pressure, it's important to know both the system working pressure and any surge pressures and spikes.

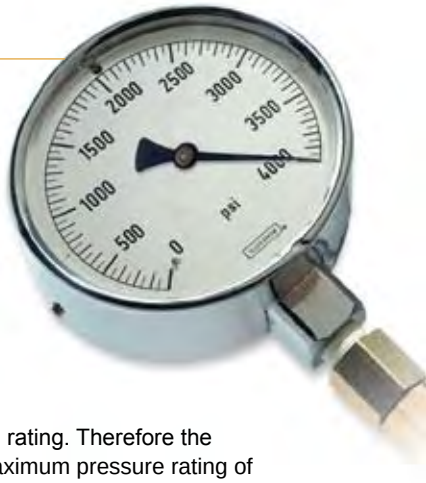
Hose selection must be made so that the published maximum working pressure of the hose is equal to or greater than the maximum system pressure. Surge pressures or peak transient pressures in the system must be below the published maximum working pressure for the hose.

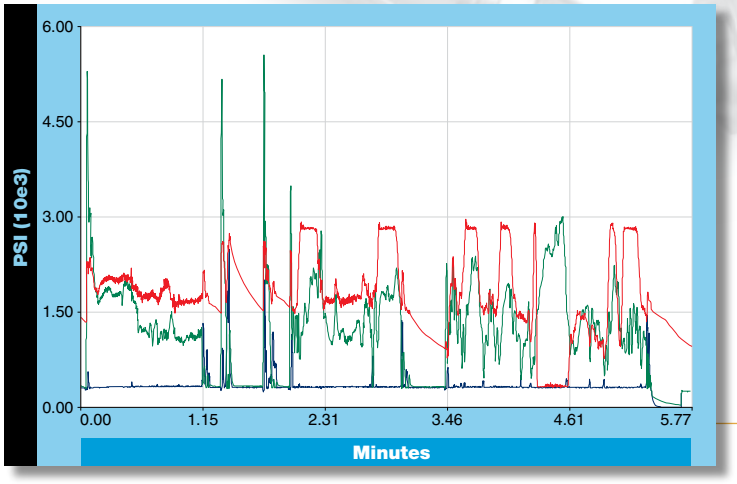
Each Parker hose has a pressure rating which can be found on the Hose Overview Chart on the next page and in Section E.

All Parker hydraulic hoses have passed the industry rated specifications for burst pressure and carry a 4:1 design factor unless otherwise noted. Burst pressure ratings for hose are for manufacturing test purposes only. They are not an indication that the product can be used above the published maximum working pressure. It is for this reason that the burst pressure ratings have been removed from the hose charts within the catalog.

Care must also be taken when looking at the "weakest link" of the hose assembly. A hose assembly is rated at the maximum working pressure of the hose and the fitting component. Therefore the maximum working pressure of the hose assembly is the lesser of the rated working pressure of the hose and the end connections used.

Here is an example: An F471TC0101040404-60" hose assembly (which consists of 471TC-4 hose and two 10143-4-4 fittings) would have a maximum working pressure of the lesser of the three components. In this case the fittings have a 12,000 psi rating. The hose has a 5,800 psi rating. Therefore the maximum pressure rating of the hose assembly would be 5,800 psi. Pressure ratings for each Parker end connection can be found on the Pressure Rating of Hose End Connections – PSI Chart in Section E.





Pressure spikes can occur during machine operation in an instant. They can occur so quickly in fact, that standard glycerin filled gages will never detect them. Using a pressure diagnostic system like Parker's Senso Control can help detect how often and how drastic these pressure spikes are.

Hose Overview Chart

	Hose Size	Hose Reinforcement	Working Pressure (psi) –3	–4	–5	–6	–8	–10	–12	–16	–20	–24	–32	–40	–48	Standard Temp. Range °F	SAE	ISO	EN	Page
Hydraulic	601	2-braids, fiber		1250		1125	1000		750	565						–40/+257	100R3	4079-1-R3		A-8
	422	1-braid, wire		3250	3125	2600	2325	1875	1525	1275	900	725	575			–40/+212	100R1AT	1436-1-1SN		A-8
	424	1-braid, wire								1000	625	500	375			–40/+176	100R1AT			A-8
	421WC	1-braid, wire		2750		2250	2000		1250	1000						–40/+257				A-9
	426	1-braid, wire		2750		2250	2000	1500	1250	1000	625	500	375			–50/+302	100R1AT			A-9
	AX	1-braid, wire		3000		3000	2500	1500	1250	1000						–40/+212				A-9
	482TC/ST	1-braid, wire		3250	3250	3000	2500	2000	1750	1275						–40/+212	100R1AT	1436-1-1SN	853-1SN	A-10
	BXX	2-braids, wire		5000		4000	3500	2750	2250	2000						–40/+212	100R2AT			A-10
	431	2-braids, wire		5000	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		5000		4000	3500		2250	2000	1625	1250	1125			–40/+176				A-11
	301LT	2-braids, wire		5000		4000	3500		2250	2000						–67/+212	100R2AT			A-12
	451TC/ST	1-braid, wire		3000		3000	3000	3000	3000	3000	3000					–40/+212	100R17			A-12
	451TC	1 braid, steel wire				3000	3000									–40/+212	100R17	11237-1		A-12
	341	4-spiral, wire				4500	4000		3000	3000	2500					–40/+212	100R9AT			A-13
	302	2-braids, wire		5800	5000	4750	4000	3600	3100	2400	1800	1300	1150			–40/+212	100R2AT	1436-1-2SN		A-13
	471TC/ST	2-braids, wire		5800		5000	4250	3625	3125	2500						–40/+212		11237-1-2SC	857-2SC	A-13
	471TC	2-braids, steel wire				5000	4250									–40/+212		11237-1-2SC	857	A-14
	472TC	2-braids, wire									2250	1800	1300			–40/+212				A-14
	351TC/ST	2-braids, wire		4000	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-15
	721ST	4-spiral, wire					4000	4000	4000	4000	3000					–40/+257	100R12	3862-1-R12	856-R12	A-15
	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-16
	711	4-spiral, wire										3000	3000			–40/+212	100R11			A-16
	781	4/6-spiral, wire							5000	5000	5000	5000				–40/+257	100R13	3862-1-R13	856-R13	A-16
	P35	4/6-spiral, wire							5000	5000	5000	5000				–40/+257	100R13	3862-1-R13	856-R13	A-17
	782TC/ST	4/6-spiral, wire							5000	5000	5000	5000				–40/+257	100R13	3862-1-R13	856-R13	A-17
	701	4-spiral, wire				6500	6000	5000								–40/+212		3862-1-4SP	856-4SP	A-17
	731	4-spiral, wire							6000	5500	4700	4200	3600			–40/+212		3862-1-4SH	856-4SH	A-18
	F42	4/6 spiral steel wire					6000		6000	6000	6000					–40/+176				A-18
	791TC	4/6-spiral, wire							6000	6000	6000	6000				–40/+257	100R15	3862-1-R15		A-18
	792TC/ST	4/6-spiral, wire							6000	6000	6000					–40/+257	100R15	3862-1-R15		A-19
	761	6-spiral, wire							8000							–40/+257				A-19
	JK	2-braids, wire		10500		1000										–40/+120				A-19
Suction & Return	811/811HT with HC	1-braid, 1-spiral wire							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
	881 with 43/81/DB	2-braids, 1-spiral wire							300	250	200	150	100	62		–40/+257	100R4			A-21
Push-Lok	804	1-braid, fiber		150		150	150		150							–40/+176				A-22
	801	1-braid, fiber		250		250	250	250	250	175						–40/+212				A-22
	836	1-braid, fiber		250		250	250	250								–55/+302				A-22
	821	1-braid, fiber		350		300	300	250	250							–40/+212				A-23
	821FR	1-braid, fiber		350		300	300		250							–40/+212				A-23
	831	1-braid, fiber		350		300	300	300	300							–40/+212				A-23
Transportation	271	1-braid, fiber				225	225									–50/+212	J1402 A			A-24
	SS23CG	1-braid, wire				350	350	350	350							–40/+250				A-24
	SS25UL	1-braid, wire		350	350	350	350	350	350							–40/+250				A-24
	293	1-braid, fiber		500		500	500	450	450	450						–58/+302	J1402 AI			A-25
	221FR	1-braid, wire			500	500	500	500	500	500						–4/+212	J1527 R3/J1942	7840		A-25
	213	1-braid, wire		2000	1500	1500	1250	1000	750	400	300	300	200			–50/+302	J1402 AI			A-26
	266	1-braid, wire		2000	1500	1500	1250	1250	750	400	300	250				–55/+302	J1402 AII			A-26
	201	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350	350	200	–40/+302	100R5/ J1402 AII			A-27
	206	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350	350		–55/+302	100R5/ J1402 AII			A-27
	225	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350			–40/+212				A-28
Refrigerant	285	1-braid, fiber		500		500	500	500	500							–22/+257	J2064 Type C			A-29
	244	1-braid, wire								500	500	500				–22/+257	J2064 Type B Class 1			A-29

To make ordering Parker products easier, we have outlined the nomenclature for hose and fittings on this page.
For information on ordering hose assemblies, see Section A.

How to Select Hose

Example: 451TC-8

451TC-8 - Hose type
451TC-8 - Indicates the special feature of the hose (in this case, 'Tough Cover')
451TC-8 - Hose inside diameter dash size (in this case, 8/16" or 1/2")

How to Select Parkrimp Hose Fittings

Example: 1JC43-12-8C

1JC43-12-8C - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
1JC43-12-8C - End connection (In this case, a female Seal-Lok – swivel – straight)
1JC43-12-8C - Fitting series
1JC43-12-8C - Size of fitting end connection (In this case, 12/16" or 3/4")
1JC43-12-8C - Hose size (In this case, 8/16" or 1/2")
1JC43-12-8C - Fitting material:
No Suffix = Steel
B = Brass
C = 316 Stainless Steel
BA = Brass Nipple with Steel Nut and Socket
BS = Brass Nipple with Brass Nut and Socket
SM = Metric Hex

How to Select Two-Piece Field Attachable Fittings

When selecting a two-piece field attachable fitting, the fitting part number (found in Section B of this catalog) needs to be broken down into two distinct numbers for the nipple and the socket.

Example: 20120-16-16B

Socket Part Number

Example: 20020-16B

20020-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
20020-16B - End connection ("00" represents that it is a socket)
20020-16B - Fitting series
20020-16B - Hose size (In this case, 16/16" or 1")
20020-16B - Fitting material:
No Suffix = Steel
B = Brass
C = 316 Stainless Steel
BA = Brass Nipple with Steel Nut and Socket
BS = Brass Nipple with Brass Nut and Socket
SM = Metric Hex

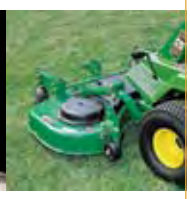
Nipple Part Number

Example: 0120-16-16B

0120-16-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
0120-16-16B - End connection (In this case, a male NPTF Pipe – rigid – straight)
0120-16-16B - Fitting series
0120-16-16B - Size of fitting end connection (In this case, 16/16" or 1")
0120-16-16B - Hose size (In this case, 16/16" or 1")
0120-16-16B - Fitting material:
No Suffix = Steel
B = Brass
C = 316 Stainless Steel
BA = Brass Nipple with Steel Nut and Socket
BS = Brass Nipple with Brass Nut and Socket
SM = Metric Hex

Parker Hose: Built to be Better.

The More We Put Into Our Hoses, the More You Get Out.



It's All in the Family

At Parker, we believe the best hose for your operation is the one that gets the job done right. That's why we offer you a comprehensive line of hoses, as well as all the options that go with it. Worried about price? We've got rubber hoses that are an exceptional value. Need hose that can take the heat? We've designed hoses for high temperatures. Looking for hose to handle the most demanding conditions? No problem. We have hoses made specifically for tight bending, abrasive environments, and more.

Not sure what hose you need? Talk to our experts. They're trained to know, and they're happy to help.

Hose Hint

Use the layline of the hose as a visual index when routing and tightening the assembly to ensure the hose is not twisted or kinked.

No-Skive: Shave Time, Not Hose

Parker offers more No-Skive hose than any other manufacturer. Its advantage? You don't have to remove the cover or inner tube to attach the crimped fitting directly to the hose reinforcement. No-Skive hose not only speeds assembly, it eliminates needing skiving equipment, wasted time and clean-up. So insist on it. When it comes to ease and convenience, No-Skive is better!

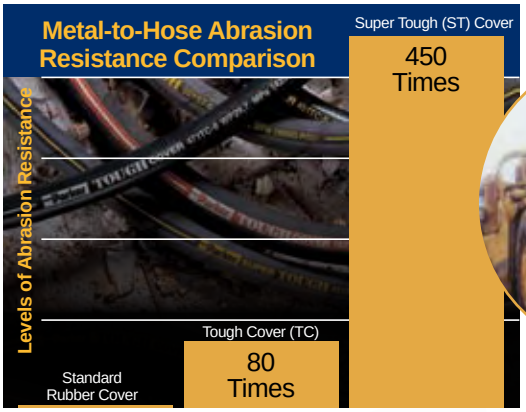
Abrasion? We've Got You Covered.

Our expanded line of abrasion-resistant hose offers you a world of protection, not to mention a choice of covers - Tough Cover (TC) for tough environments; and Super Tough (ST) for the really rough stuff. Our TC- and ST-covered hoses can simplify your assemblies by eliminating the need for any additional protective sleeving.

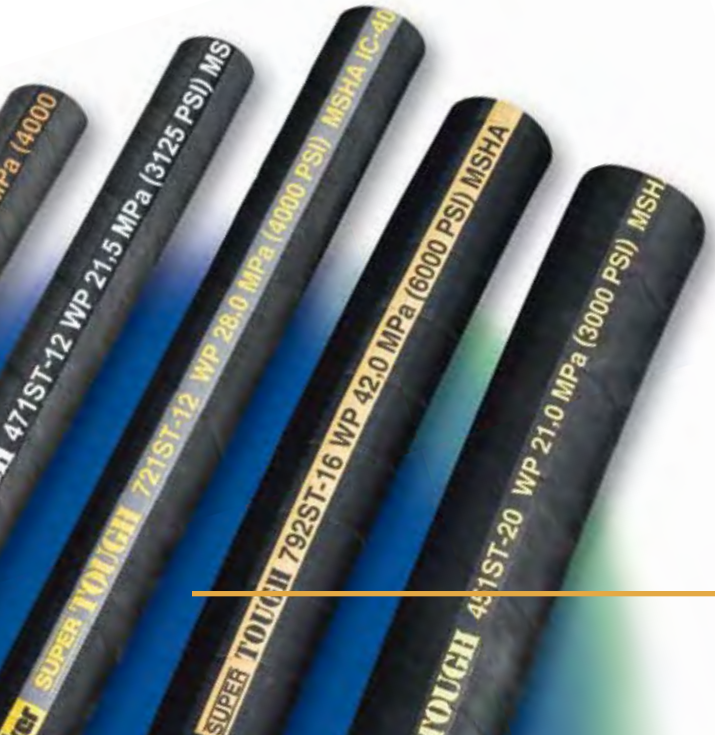
From the superior flexibility and tighter bend radius of our wire-braided Compact™ hoses … to the wide fluid compatibility and high pressure performance of our No-Skive spiral hoses … our expanded family of abrasion-resistant hoses gets the job done right, giving you the results you need in the construction, forestry, mining, injection molding, refuse and recycling, energy, and other industries.

Optional Covers

Type	Features
Tough Cover (TC)	Very good abrasion resistance. Fair resistance to ozone and cold flexibility.
Super Tough (ST)	Excellent abrasion resistance. Very good resistance to ozone and cold flexibility.



Results from the ISO 6945 metal-to-hose abrasion test show that Tough Cover and Super Tough cover hoses offer significantly greater abrasion resistance than standard rubber cover hose.



Braided vs. Spiral Hose

Braided

Hydraulic hose can be referred to by construction style, of which there are two main types: braided and spiral. The majority of "low pressure hoses" have a textile braided construction. They're commonly used to transmit petroleum-based fluids, diesel fuel, hot lubricating oil, air, ethylene glycol anti-freeze, and water. "Medium pressure hoses" typically feature one- and two-wire braided construction. These hoses are frequently found on construction equipment, heavy-duty trucks, and fleet vehicle applications. In general, braided hose is selected for its flexibility.

Spiral

At one time in the industry, two-wire braided hose was most commonly used in many applications. But the advent of larger, off-road specialty equipment drove the creation of spiral hose, which is very well suited for applications where extremely high impulse pressure is encountered.

Today, hydrostatic drives using four and six-wire spiral hoses can be found on everything from lawn tractors to earth movers. Because today's world demands faster, more powerful equipment requiring increased working pressures, Parker is responding with an expansive offering of spiral products.

Contact your local Parker distributor to see the full range of hose choices, and to discuss their various applications.

Parker Hose: Built to Solve Problems.

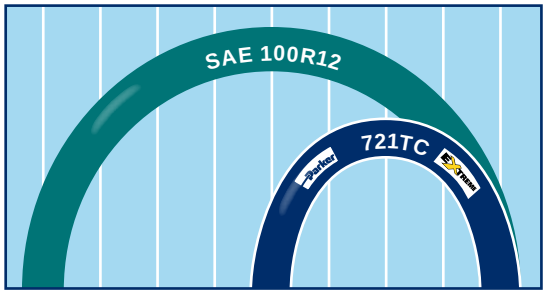
The Best Hose for Your Operation? The One That Gets the Job Done Right.

Bendable? You Bet!

Looking for flexible hose that can be routed in tight spaces?

Parker has a full line of Compact™ hoses designed for one-half SAE bend radius at full SAE pressure. These hoses plumb and bend tighter than other SAE 100R1, 100R2, 100R4, and 100R12 type hoses, reducing hose length requirements by up to 47 percent. The tighter bend radius means fewer bent tube fittings, and longer life in applications where machinery movement causes hoses to bend sharply. It also means reduced inventory requirements for you.

In addition to maximum flexibility and excellent bendability, Parker Compact hoses offer smaller outer diameters and abrasion resistant cover choices. Characteristics that make them the hoses of choice for mobile hydraulic systems, agricultural machinery, forestry equipment, fork lifts, construction, machinery, injection molding, automotive, and the paper industry.



721TC Extreme hose has one-half the minimum bend radius of SAE 100R12 hose.

Inner Beauty

The inner tube of a hose is offered in several different rubber compounds. Each rubber compound can react differently to the media being conveyed. The inner tube must also resist effects of high or low temperatures and environmental elements. The table on the right highlights popular rubber compounds used for hose inner tubes:

Inner Tube Compounds

Type	Features
PKR® Rubber	Excellent resistance to ozone and weathering; good heat resistance. Good resistance to petroleum-based fluids.
Nitrile Rubber	Excellent resistance to petroleum-based fluids and environmentally friendly fluids.
Synthetic Rubber	Good resistance to petroleum-based fluids. Poor resistance to water-based glycol fluids.
Butyl Rubber	Very good weathering resistance. Good physical properties. Poor resistance to petroleum-based fluids.
EPDM Rubber	Excellent resistance to phosphate esther fluids and dry air. Poor resistance to petroleum-based fluids.

Hose Hint

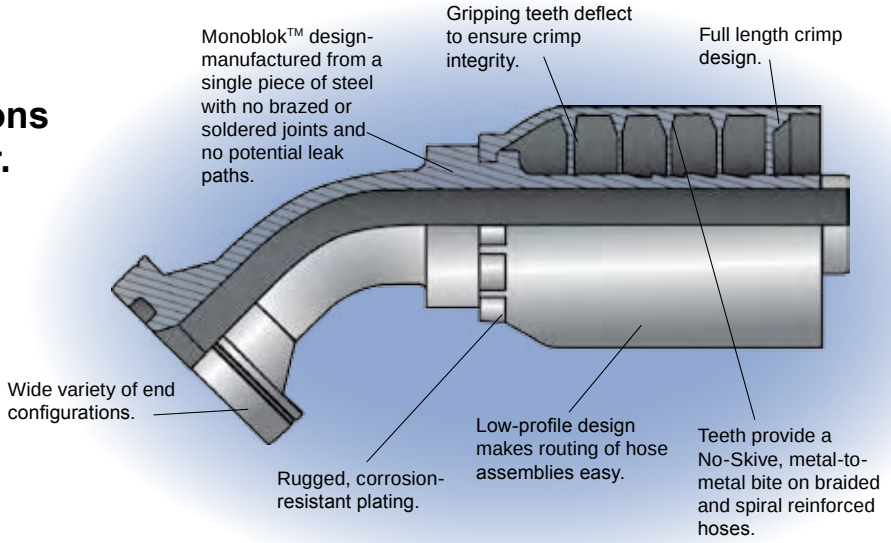
The layline, or printing along the length of a hose, contains a wealth of useful information about that product. Inside diameter, maximum working pressure, part number, industry standards that the hose meets, and even manufacturing date are among the information supplied.

Our Hose Makes the World a Smaller Place

Parker “Worldwide” is our global hose line. It’s made to meet or exceed the same strict international quality specifications no matter where it’s manufactured. So now, regardless of where your equipment is made or used, you can rely on our Worldwide hose, and accompanying fittings, to provide seamless application coverage and leak-free performance. Best of all, it’s available through our Parker distributors worldwide.

Parker Fittings. The Products of Choice for Custom and Standard Applications.

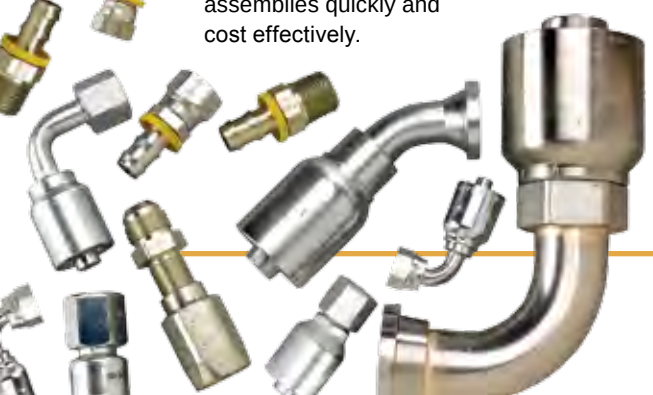
Parker Hose Offers You More Fitting Sizes and Configurations Than Any Other Manufacturer.



Crimpable Fittings
Parker Parkrimp assemblies consist of No-Skive hose and fittings, permanently joined by one of our seven Parkrimp machines. The teeth in Parker's crimped fittings bite down to the hose wire for a metal-to-metal grip with maximum integrity. Our one-piece fittings can be combined with more than 40 No-Skive hose types to cover low, medium, and high-pressure applications, as well as special application categories that can also be used with permanent crimped fittings.

We offer steel, brass, and stainless steel fittings from 3/16" to 3", with our steel fittings featuring a corrosion resistant plating that exceeds SAE standards. Styles include O-ring face seal, flare, male pipe, metric designs and many more. All are compatible with the easy-to-use Parkrimp system of crimping machines.

When combined with our No-Skive hose, Parker Parkrimp fittings provide factory-quality hose assemblies quickly and cost effectively.



Monoblok™ Fittings
Monoblok fittings are manufactured from a single piece of steel. First introduced in ultra-high pressure hydraulic applications, their lack of brazed or soldered joints provides the utmost in leak protection, eliminating any potential leak paths. Parker Monoblok fittings are now available in a wide variety of end configurations and fitting series. These fittings also feature No-Skive, bite-the-wire, full-length crimp, corrosion resistant plating, weather seal, and a low-profile design.

Metric Fittings
Parker's metric fittings are available in a full range of DIN, BSP, BSPP, French GAZ, and JIS configurations to meet worldwide applications. Parker's metric fittings are available in a wide range of sizes to meet your requirements.

Hose Hint

Never mix and match one manufacturer's fittings with hose from another manufacturer. Parker hose, fittings, and crimpers are designed to work together as a system. This ensures optimum product performance, reliability, and safety.

Custom Fittings for Short-Run or Special Applications

Custom tube and hose fittings are available from Parker. Configurations include NPTF, JIC, SAE, GAZ, ISO, DIN, JIS, and BSP in a wide range of sizes. Material options include steel, stainless steel, brass, aluminum, and monel. All products are manufactured to world-class standards.

Hose Hint

How tight is tight enough? Differences in platings and other variables can affect the amount of torque required to ensure a proper connection. Always refer to this catalog or go to www.parkerhose.com for proper assembly procedures.

Hose End Type	Pressure	Seal Reliability	Vibration Resistance	Ease of Installation	Reusability	Temperature
Seal-Lok – O-Ring Face Seal	Excellent	Excellent	Very Good	Excellent	Excellent	Limited by Seal
37˚ Flare	Very Good	Good	Good	Good	Good	Excellent
Tapered – (NPT, NPTF, BSPT and Metric Taper)	Good*	Poor	Poor	Good	Poor	Excellent
Four Bolt Flange	Excellent	Good	Excellent	Very Good	Excellent	Limited by Seal

*Rated 'Poor' for dynamic pressure systems

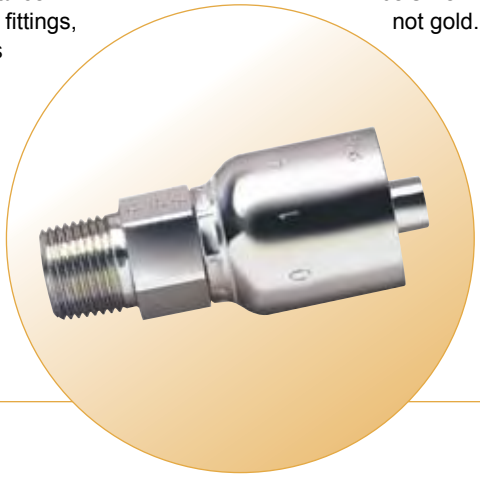
Field Attachable Fittings
Parker field attachable fittings enable you to make hose assemblies right at the job site without special tools or machines.

Our wide range of No-Skive hose — hose that does not require the removal of the outer cover or inner tube prior to assembly — works with a variety of field attachable steel, stainless steel, and brass fittings quickly and easily.

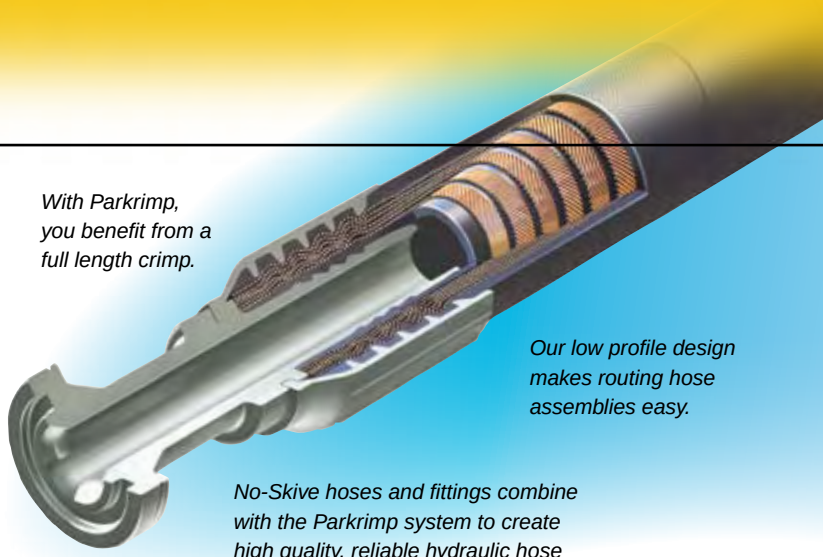
Parker field attachable fittings include the popular Push-Lok® style, as well as two- and three-piece series fittings that use an interchangeable nipple with one- and two-wire braided hose.

Environmentally Friendly Plating Process
Beginning in 2006, Parker switched the manufacturing of its steel fittings to use trivalent chromate (Chromium-6 Free) plating. This new process enhances the corrosion resistance of the fittings, and is more environmentally friendly than the previous hexavalent chromate plating. The new plating process is being implemented worldwide at all Parker facilities. While the fitting function will not change, the fitting color will. Fittings plated with trivalent chromate will be silver in color, not gold.

Chromium-6 Free



Hose Assemblies Are Easy With the Parkrimp System.



With Parkrimp, you benefit from a full length crimp.

Our low profile design makes routing hose assemblies easy.

No-Skive hoses and fittings combine with the Parkrimp system to create high quality, reliable hydraulic hose assemblies every time.

Since its introduction in 1980, the Parkrimp family of crimping machines has led the industry in ease of use and rugged durability.

When it comes to hose assemblies, no one puts it all together like Parker. From high-volume productivity to portable on-site assembly, we offer a variety of crimping machines, No-Skive hoses, and No-Skive fittings to meet your needs.

With Parkrimp equipment, anyone can make factory-quality hose assemblies quickly, easily, and cost effectively. Parkrimp machines are simple to operate. And, they're built to provide years of dependable service. Seven Parkrimp models – an entire family of crimpers – are available to meet your bench-mounted or portable needs, crimping straight or bent-stem fittings from 1/4" to 2" in diameter. Just use our No-Skive hoses and fittings to create leak-free hose assemblies whenever and wherever you need them.

The complete system from one source: No-Skive hose, No-Skive fittings, and crimping machines with worldwide availability and service.

Hose Hint

The Parkrimp system is designed to crimp fittings to the proper diameter every time. However, it is good practice to use a set of calipers and measure the first, fiftieth, and last hose assemblies produced to ensure proper crimp dimensions. Refer to the decal on your Parkrimp crimper for the proper minimum/ maximum crimp diameters.

Portable Crimpers

Minikrimp™

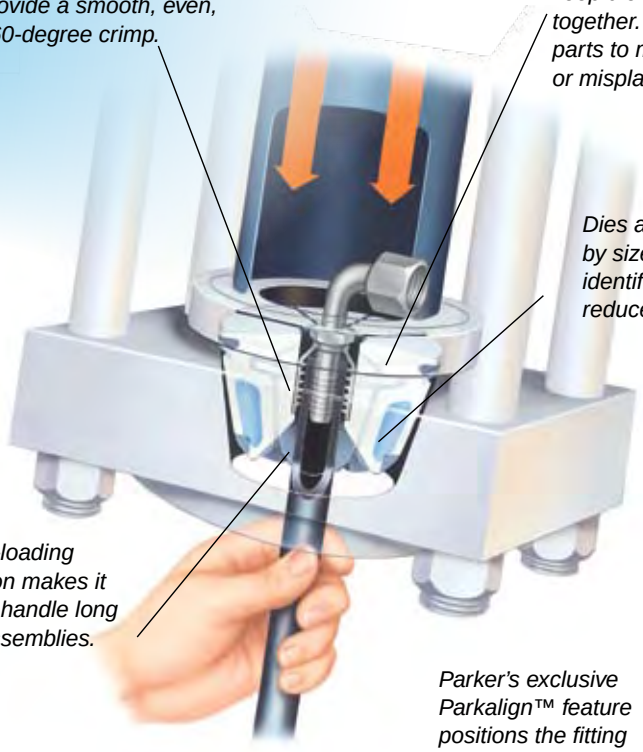
Karrykrimp

Karrykrimp 2

Eight segment crimp dies provide a smooth, even, 360-degree crimp.

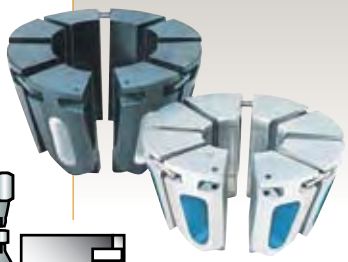
Our linked crimp dies keep die segments together. No loose parts to mismatch or misplace.

Dies are color-coded by size for easy identification and reduced set-up time.

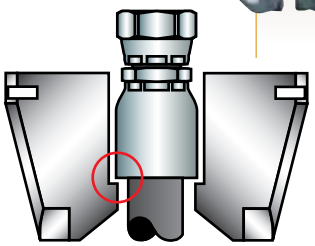


Bottom-loading operation makes it easy to handle long hose assemblies.

Parker Hose Products Division also offers a full line of crimping accessories, including conversion kits, cabinets, cut-off saws, push-on tables, die racks, and mandrel tool kits.



Parker's exclusive Parkalign™ feature positions the fitting in the dies perfectly every time.



Bench/Floor Mounted Crimpers

Parkrimp 1

PHastkrimp

Superkrimp

Parkrimp 2

Minikrimp™
- Full cycle time: 30 seconds with electric pump
- Weight: 42 lbs. with hand pump
- Dimensions: 6" wide, 13" deep, 15" high
- Main features: With its cast aluminum design, the Minikrimp is light weight, portable, and compact. This all-in-one unit is capable of crimping hose sizes up to 1" I.D.
- Power options: Select the power unit that meets your needs.
  Note: The Minikrimp is a product of Parker Hannifin's Parflex Division.

See Section C, page 6

Parkrimp 1
- Full cycle time: 20 seconds
- Dimensions: 26" wide, 19-1/2" deep, 24-1/4" high
- Main features: Designed for bench mounting, with a built-in power unit, Parkrimp 1 will crimp a variety of SAE and DIN hose types from 1/4" through 1-1/4" I.D.
- Power options: 115/230 volt, one phase, 60 Hz power unit wired for 115 volts.
  Note: Must run on a dedicated 20 AMP circuit.

See Section C, page 8

Karrykrimp
- Full cycle time: 30 seconds with electric pump
- Weight: 53-1/2 lbs. without power unit
- Dimensions: 15" wide, 12" deep, 27" high
- Main features: Designed for portability. It makes assemblies with a variety of hoses up to 1-1/4" I.D. anywhere, anytime.
- Power options: Select the power unit that meets your needs.

See Section C, page 8

PHastkrimp
- Full cycle time: 6 seconds
- Dimensions: 22" wide, 33" deep, 37-1/2" high
- Main features: The fastest cycling bench-mounted crimper on the market. Phastkrimp crimps four-spiral (SAE 100R12) through 1-1/4" I.D., and (SAE 100R13) through 1" I.D.
- Power options: 230/460VAC, three phase, 60 Hz power unit or 230VAC, one phase, 60 Hz power unit.

See Section C, page 10

Karrykrimp 2
- Full cycle time: Cycle times vary depending on hose and fitting styles and sizes.
- Weight: 100 lbs. without power unit
- Dimensions: 14" wide, 15" deep, 30" high
- Main features: Crimps a wide range of fittings onto a variety of hoses, including four-spiral wire (SAE 100R12) through 1-1/4" I.D., and six-spiral wire (SAE 100R13) through 1" I.D. Designed for quick, easy operation.
- Power options: Select the power unit that meets your needs.

See Section C, page 10

Superkrimp
- Full cycle time: 20 seconds without adapter bowl; 15 seconds with adapter bowl
- Dimensions: 20" wide, 27" deep, 40" high
- Main features: Crimps a wide range of fittings onto a variety of hoses, including four-spiral wire (SAE 100R13) through 1-1/4" I.D. and six-spiral wire (SAE 100R15) through 1" I.D.
- Power options: 230/460VAC, three phase, 60 Hz power unit or 230VAC, one phase, 60 Hz power unit.

See Section C, page 12

Power Unit Options for Minikrimp,™ Karrykrimp, and Karrykrimp 2

Hand Pump
Part No. 82C-0HP
(for use with Minikrimp and Karrykrimp)

Hand Pump
Part No. 85C-0HP
(for use with Minikrimp, Karrykrimp, and Karrykrimp 2)

Vehicle Battery Powered Pump
Part No. 85C-12V
(for use with Minikrimp, Karrykrimp, and Karrykrimp 2)

Parkrimp 2

- Full cycle time: 30 seconds without adapter bowl; 20 seconds with adapter bowl
- Dimensions: 28" wide, 22" deep, 70" high
- Main features: A “do all” floor-mounted machine that will produce hose assemblies through 2" I.D. six-spiral hose (SAE 100R13), and up to 1-1/2" I.D. (SAE 100R15).
- Power options: 230/460VAC, three phase, 50/60 Hz power unit or 230VAC, one phase, 60 Hz power unit.

See Section C, page 14

Parkrimp Selection Chart

Hose	SPEC SAE /ISO	Parkrimp Crimpers		
		Minikrimp	Karrykrimp	Parkrimp 1
AX		-4/-12	-4/-12	-4/-12
BXX	100R2AT	-4/-12	-4/-12	-4/-12
201	100R5	-4/-16	-4/-16	-4/-16
206	100R5	-4/-16	-4/-16	-4/-16
213	J1402 AI	-4/-16	-4/-16	-4/-16
221FR	J1527 100R3/ J1942	-5/-16	-5/-16	-5/-16
225		-4/-16	-4/-16	-4/-16
244	J2064 TYPE B	-16	-16	-16
266	J1402 AII	-4/-16	-4/-16	-4/-16
271		-6/-8	-6/-8	-6/-8
285	J2064 TYPE C	-4/-12	-4/-12	-4/-12
293	J1402 AI	-4/-16	-4/-16	-4/-16
302/301	1436-1 2SN 100R2AT	-4/-16	-4/-20	-4/-20
301LT	100R2AT	-4/-16	-4/-16	-4/-16
304		-4/-16	-4/-20	-4/-20
341	100R9AT	-6/-12	-6/-16	-6/-16
351TC/ST		-4/-12	-4/-12	-4/-12
381		-4/-16	-4/-20	-4/-20
422/421	100R1AT	-4/-16	-4/-20	-4/-20
421WC		-4/-16	-4/-16	-4/-16
424	100R1AT	-16	-16/-20	-16/-20
426	100R1AT			
431	100R16	-4/-16	-4/-16	-4/-16
436	100R16	-6/-16	-6/-16	-6/-16
451TC/ST	100R17	-4/-16	-4/-16	-4/-16
471TC/ST	11237-1-2SC	-4/-16	-4/-16	-4/-16
472TC		—	-20	-20
482TC/ST	100R1AT	-4/-16	-4/-16	-4/-16
601	100R3	-4/-16	-4/-16	-4/-16
811/811HT	100R4	-12/-16	-12/-20	-12/-20
881	100R4	-12/-16	-12/-20	-12/-20

Parkrimp Selection Chart

Hose	SPEC SAE/ISO	Parkrimp Crimpers			
		Karrykrimp 2	PHastkrimp	Superkrimp	Parkrimp 2
AX		-4/-16	-4/-16	-4/-16	-4/-16
BXX	100R2AT	-4/-16	-4/-16	-4/-16	-4/-16
SS23CG		-6/-10	-6/-10	-6/-10	-6/-10
201	100R5	-4/-16	-4/-16	-4/-32	-4/-32
206	100R5	-4/-16	-4/-16	-4/-32	-4/-32
213	J1402 AI	-4/-16	-4/-16	-4/-32	-4/-32
221FR	100R3/J1942	-5/-16	-5/-16	-5/-16	-5/-16
225		-4/-16	-4/-16	-4/-32	-4/-32
244	J2064 TYPE B CLASS 1	-16	-16	-16/-24	-16/-24
266	J1402 AII	-4/-16	-4/-16	-4/-32	-4/-32
271		-6/-8	-6/-8	-6/-8	-6/-8
285	J2064 TYPE C	-4/-12	-4/-12	-4/-12	-4/-12
293	J1402 AI	-4/-16	-4/-16	-4/-16	-4/-16
302/301	100R2AT	-4/-20	-4/-20	-4/-32	-4/-32
301LT	100R2AT	-4/-16	-4/-16	-4/-16	-4/-16
304		-4/-20	-4/-20	-4/-32	-4/-32
341	100R9AT	-6/-20	-6/-20	-6/-20	-6/-20
351TC/ST		-4/-12	-4/-12	-4/-12	-4/-12
381		-4/-20	-4/-20	-4/-32	-4/-32
422/421	1436-1 1SN 100R1AT	-4/-20	-4/-20	-4/-32	-4/-32
421WC		-4/-16	-4/-16	-4/-16	-4/-16
424		-16/-20	-16/-20	-16/-32	-16/-32
426	100R1AT				
431	100R16	-4/-16	-4/-16	-4/-16	-4/-16
436	100R16	-6/-16	-6/-16	-6/-16	-6/-16
451TC/ST	100R17	-4/-20	-4/-20	-4/-20	-4/-20
471TC/ST	1123-1-2SC	-4/-16	-4/-16	-4/-16	-4/-16
472TC		-20	-20	-20/-32	-20/-32
482TC/ST	100R1AT	-4/-16	-4/-16	-4/-16	-4/-16
601	100R3	-4/-16	-4/-16	-4/-16	-4/-16
701	3862-1-4SP	-6/-12	-6/-12	-6/-12	-6/-12
711	100R11	—	—	-24	-24/-32
721		-6/-20	-6/-20	-6/-24	-6/-32
721TC	100R12	-6/-20	-6/-20	-6/-24	-6/-32
721ST	100R12	-8/-20	-8/-20	-8/-20	-8/-20
731	3862-1-4SH	-12/-16	-12/-16	-12/-16	-12/-32
761		—	—	-12	-12
772TC/ST	100R12	-6/-20	-6/-20	-6/-24	-6/-32
774		-12/-20	-12/-20	-12/-24	-12/-32
781	100R13	-12/-16	-12/-16	-12/-20	-12/-24
782TC		-10/-16	-10/-16	-10/-20	-10/-24
782ST		-12/-16	-12/-16	-12/-20	-12/-24
P35	100R13	—	—	—	-32
791TC	100R15	—	—	-12/-16	-12/-24
792TC/ST	100R15	—	—	-12/-16	-12/-20
811/811HT	100R4	-12/-20	-12/-20	-12/-32	-12/-32
881	100R4	-12/-20	-12/-20	-12/-32	-12/-32

Electric Pump
Part No. 82C-0EP
(for use with Minikrimp, Karrykrimp, and Karrykrimp 2)

Electric Pump
Part No. 85C-0EP
(for use with Minikrimp, Karrykrimp, and Karrykrimp 2)

Air/Hydraulic Pump
Part No. 82C-0AP
(for use with Minikrimp, Karrykrimp, and Karrykrimp 2)

There's More to Parker Hose Than Just Hose.

We're constantly updating our customer service options to help you work smarter, faster, and better.

Need the Latest? Check Out Our Web site.
From complete product information on hose, to 3D-CAD models of our complete fitting line, you'll find everything you need at *www.parkerhose.com.*

We've redesigned our Web site around you. Whether you take advantage of our new product announcements … or search our site by part number … you'll find our site easy to navigate and understand.

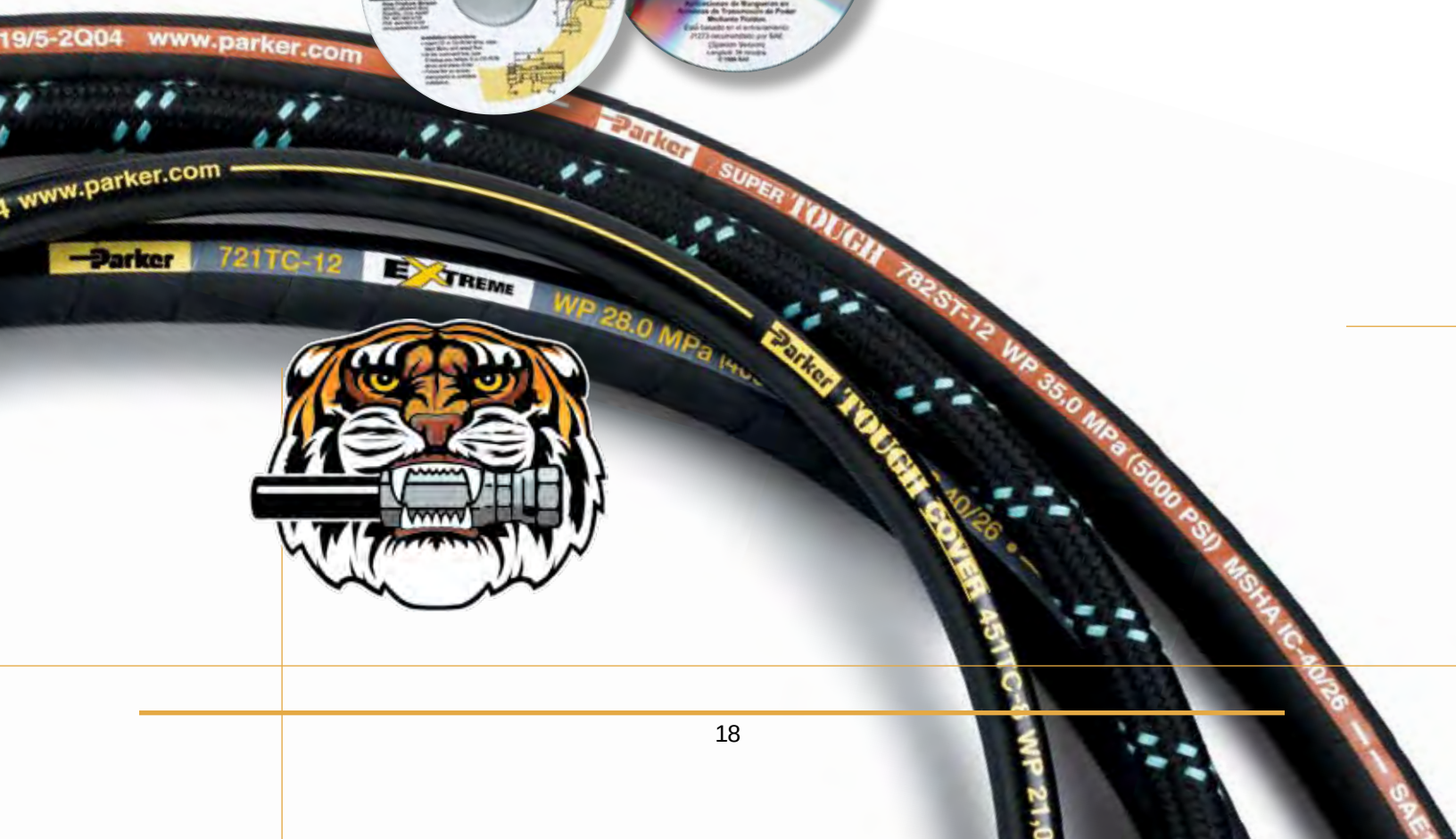
Our site also provides:

- A listing of government and industry-related approvals.
- Contact technical support.
- Find out about our custom manufactured products, including customized leak-free tube assemblies.
- Download a wealth of product literature ranging from bulletins and equipment manuals to reference guides and wall charts.

Whatever you do, be sure to visit our site often. It's the fastest and easiest way to keep up with changing technology.

Also Online …
Parker CrimpSource™
CrimpSource enables you to choose your crimper and select the hose, fittings, and current crimping specifications needed to make hose assemblies. You can even print a simple-to-follow data specification sheet.

CrimpSource includes hydraulic rubber hose, industrial hose, and thermoplastic hose products, and contains all the crimp specifications approved for Parker crimpers. CrimpSource is available at www.parker.com.



State-of-the-Art Lab Testing
Our world-class lab can assure you of world-class quality. Parker engineers recreate a whole host of physical and environmental conditions to accurately evaluate hose and fitting performance. Multiple test stations and the latest testing technology combine to assure the integrity of Parker products and meet specialized needs. In addition, we certify products for compliance with the latest U.S. and European governmental and agency standards.

Downloadable CAD Drawings
Downloadable CAD drawings of Parker fittings are available online at parkerhose.com. They will allow you to check the form, fit, and function of the fitting before specifying the actual part.

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
- or - 1-866-703-8823 Tube Fabrication

Dedicated Hose Assembly Plants
All Parker Hose assemblies are manufactured in facilities solely dedicated to hose assembly production and premier customer service. Our dedicated hose assembly plants offer our customers unique benefits, including:
- Competitive hose assembly pricing levels due to our LEAN manufacturing initiatives.
- A more diverse range of hose assembly capabilities and accessory options.
- A larger selection of hose and fitting inventory for assemblies.
- The quality assurance that comes with manufacturing in a TS-16949-certified facility.

Online 3D-CAD models help designers work faster, smarter.

Here's How You Can Benefit
From our Connections.

Need help with the big picture? Turn to Parker. As part of the Fluid Connectors Group, we have everything to keep the ideas flowing.

More Products
Nobody offers you more than Parker. We have the largest selection of hose, and more fitting sizes and configurations than any other manufacturer. Our products deliver the exceptional quality and reliability you've come to expect from us, meeting or exceeding market standards. Plus they're available in a wide choice of materials, designs, sizes, covers, and capabilities for your specific leak-free performance requirements.

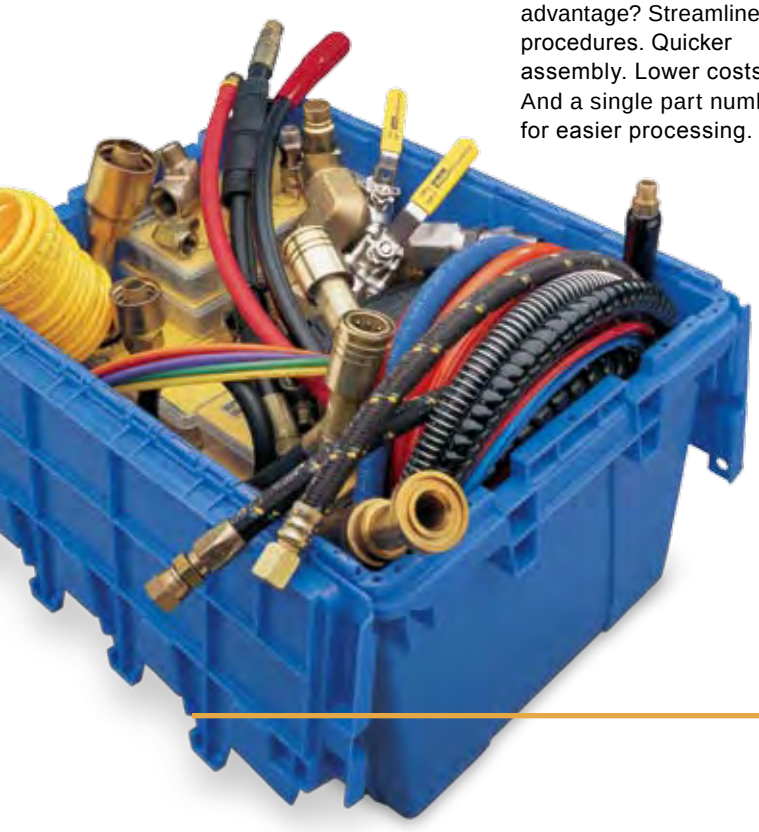
But more parts are only part of what we offer you.

More People
Our 2100 worldwide distributors give you plenty of places to go for help, and quickly. Which means when your equipment is down, we're there for you, right near the job site.

Nobody else can equal that kind of convenient service.

Mobile Services
Parker is your best bet for on-the-job help. Our mobile services operate 24 hours a day, 7 days a week, to arrive at the plant or job site fast. Complete with factory-trained professionals to troubleshoot your problem, our mobile vans carry a full complement of hose, all major fitting configurations, and a complete set of metrics — everything that's needed to create a replacement. It's like having your Parker distributor come to you!

ParkerStores
ParkerStores provide walk-in customers with the ability to select the parts they need in a retail environment. Customers can see and touch, the parts they're considering, and talk directly with staff when advice is needed. With more than 1,000 locations in 38 countries, ParkerStores are yet another way customers can get back up and running again quickly and easily.



Custom Kits
Want to speed up assembly on the factory floor? Parker custom kits might be just what you're looking for. From fittings and adapters to pre-made assemblies, custom kits can hold a wide range of materials, 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.

Technical Support, Education, and Training
Need help? Don't hesitate to ask. Our technicians and market-specific engineers can be found across the U.S. and throughout the world to offer you engineering support, fluid connector system design, and product selection assistance. Phone consultation, as well as on- or off-site sessions are available virtually anywhere for all customers, distributors, and employees. Topics range from hose routing tips and troubleshooting to critical safety procedures. These Parker experts reflect our extensive commitment to training and education, and are an important part of our value-added services.

Want to enlist their help? Call 1-800-C-PARKER, or check with your local distributor. Don't know who that is? Go to www.parker.com to find out.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Visual Index

Hose

HOSE

Hydraulic

Suction and Return

Push-Lok

Transportation

Refrigerant

www.parkerhose.com

Push-Lok

Tough Cover

Compact®

WORLDWIDE

Super Tough Cover

Hydraulic Hose	601 A-8 *SAE 100R3*	422 A-8 *Worldwide ISO 1436-1 TYPE 1SN*	424 A-8 *Phosphate Ester Base Fluids*
421WC A-9 *SAE 100R1 TYPE AT Protective Wire Cover*	426 A-9 *High Temperature SAE 100R1 TYPE AT*	AX A-9 *One-Wire Braid*	482TC A-10 *Tough Cover SAE 100R1 TYPE AT*
482ST A-10 *Super Tough SAE 100R1 TYPE AT*	BXX A-10 *SAE 100R2 TYPE AT*	431 A-11 *Compact - SAE 100R16*	436 A-11 *Compact - High Temperature - SAE 100R16*
304 A-11 *Phosphate Ester Base Fluids*	301LT A-12 *Low Temperature SAE 100R2 TYPE AT*	451TC A-12 *Tough Cover SAE 100R17*	451ST A-12 *Super Tough - SAE 100R17*
451TC A-12 *Hydraulic Twin Tough*	341 A-13 *SAE 100R9 TYPE AT*	302 A-13 *Worldwide ISO 1436-1 TYPE 2 SN*	471TC A-13 *Tough Cover ISO 11237-1 TYPE 2 SC*
471ST A-13 *Super Tough ISO 11237-1 TYPE 2 SC*	471TC A-14 *Hydraulic Twin Tough*	472TC A-14 *Tough Cover Two-Wire Braid*	351TC A-14 *Tough Cover 4,000 psi Constant W.P.*
351ST A-14 *Super Tough 4,000 psi Constant W.P.*	721 A-15 *SAE 100R12*	721TC A-15 *Extreme Tough Cover SAE 100R12*	721ST A-15 *Super Tough - SAE 100R12*
772TC A-15 *Tough Cover - SAE 100R12*	772ST A-15 *Super Tough - SAE 100R12*	774 A-16 *Phosphate Ester Base Fluids*	711 A-16 *Meets SAE 100R11 Performance*
781 A-16 *SAE 100R13*	P35 A-17 *SAE 100R13*	782TC A-17 *Tough Cover SAE 100R13*	782ST A-17 *Super Tough SAE 100R13*
701 A-17 *ISO 3862-1 TYPE 4SP*	731 A-18 *ISO 3862-1 TYPE 4SH*	F42 A-18 *Phosphate Ester Base Fluids*	791TC A-18 *Extreme Tough Cover SAE 100R15*
792TC A-19 *Tough Cover - SAE 100R15*	792ST A-19 *Super Tough - SAE 100R15*	761 A-19 *ParMax - 8,000 psi*	JK A-19 *Jack Hose*

Continued

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Suction & Return Line Hose	811 A-20 1/2 SAE Minimum Bend Radius SAE 100R4	811HT A-20 1/2 SAE Minimum Bend Radius SAE 100R4	881 A-21 SAE 100R4
"Push-Lok" Multipurpose Hose	804 A-22 Dry Air/Hot Water	801 A-22 Multipurpose	836 A-22 Multipurpose High Temperature
821 A-23 Multipurpose	821FR A-23 Multipurpose Fire Resistant Cover	831 A-23 Multipurpose - Heavy Duty	
Transportation Hose	271 A-24 Air Brake Hose SAE J1402 A	SS23CG A-24 Compressed Natural Gas and Liquefied Petroleum Gas	SS25UL A-24 Liquefied Petroleum Gas
293 A-25 Air Brake Hose SAE J1402	221FR A-25 Marine Fuel and Engine Hose	213 A-26 SAE J1402 AI	266 A-26 SAE J1402 AII
201 A-27 SAE 100R5 SAE J1402 AII	206 A-27 SAE 100R5 SAE J1402 AII	225 A-28 SAE 100R5	
Refrigerant Hose	285 A-29 SAE J2064 TYPE C	244 A-29 SAE J2064 TYPE B	

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

How to Read the Hose Section

Parker offers a wide variety of hoses including braided, spiral, multi-purpose, transportation, refrigerant, LP gas and more. Parker's product line has been tested and approved to meet and exceed global standards. Our hoses range in size from 3/16" to 3" I.D. and are compatible with crimp and field-attachable style fittings. Specific hose information is displayed throughout Catalog 4400, Section A. Hose page content is defined by the information shown below. Please take a moment and review.

Parker Hose Nomenclature

Example: 451TC-8

451TC-8 - Hose Type

451TC-8 - Indicates the special feature of the hose (in this case,'Tough Cover')

451TC-8 - Hose inside diameter dash size (in this case, 8/16" or 1/2")

Hose Working Pressure
Should have a working pressure rating meeting or exceeding the maximum operating pressure of the system. Maximum rating listed below in which the hose is to be used.

Minimum Bend Radius
Is the smallest arc that the hose can be bent before its life is greatly reduced. Exceeding the bend radius can cause kinking, inner tube washout, and excessive stress on reinforcement.

Hose Outer Diameter
A critical measurement when considering hose clamps and applications where envelope size is limited.

Weight
Provided by the foot for instances where it is a critical parameter in the design of the system.

Hose Inner Diameter
Measured in 1/16 inch increments identified by use of a "dash"(-) numbering system. i.e., 4/16" = 1/4" = -4.

Approved Fitting
To be used with the hose. Could be crimped or field attachable.

Lists hose part numbers on page

Hose Information
- Base part number
- Description
- SAE, ISO, and EN specifications

Indicates Hose Section

Catalog 4400 US

Hydraulic Hose
482TC, 482ST, BXX

Hose Hydraulic A
Fittings B

482TC
Hydraulic – TOUGH COVER
SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

482ST
Hydraulic – SUPER TOUGH
SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

Visually shows hose construction

Part Number	Hose I.D. inch	Hose I.D. mm	Hose O.D. inch	Hose O.D. mm	Working Pressure psi	Working Pressure MPa	Minimum Bend Radius inch	Minimum Bend Radius mm	Weight lbs/ft	Weight kg/m	Parkrimp 43 Series
482TC/ST-4	1/4	6,3	.530	14	3250	22,7	2	50	.16	0,24	•
482TC/ST-6	3/8	10	.690	17	3000	21,0	2-1/2	65	.23	0,34	•
482TC/ST-8	1/2	12,5	.820	21	2500	17,5	3-1/2	90	.29	0,43	•
482TC/ST-10	5/8	16	.940	24	2000	14,0	4	100	.33	0,49	•
482TC/ST-12	3/4	19	1.090	28	1750	12,2	4-3/4	120	.42	0,63	•
482TC/ST-16	1	25	1.410	36	1275	8,8	6	150	.63	0,94	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: One braid steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-xx.

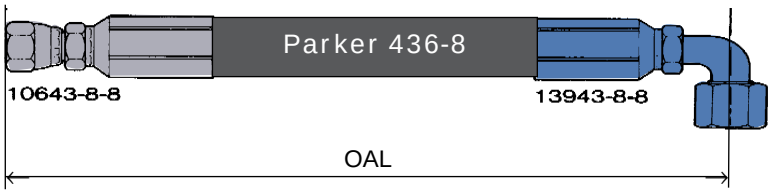
For more information regarding hose application and temperature, see the Technical Section (Section E)

Indicates fitting size is available.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

How to Order Crimped Hose Assemblies

Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11
F	436	06	39	08	08	08		-24		



Box 1: Prefix

Symbol	Description
F =	Parkrimp Crimp Fittings (i.e 43 Series)
P =	Parkrimp Crimp Fittings (i.e 26 Series)
Y =	Permanent Crimp Fittings(i.e HY Series)
K =	Permanent Crimp Fittings (i.e 81 Series)

Box 2: Hose Type

Symbol	Description
436 =	SAE 100R16 Hose

Note: see page A-7 for complete list of Parker Hoses

Box 3: 1st Fitting End Configuration

Symbol	Description
06 =	Female JIC 37 Degree Swivel Straight

Note: See page E-17 for a complete list of fitting configurations

Box 4: 2nd Fitting End Configuration

Symbol	Description
39 =	Female JIC 37 Degree Swivel 90 Degree Elbow - Short Drop

Box 5: 1st Fitting End Connection Size

Symbol	Description
08 =	1/2" Female JIC (3/4x16 Thread)

Box 6: 2nd Fitting End Connection Size

Symbol	Description
08 =	1/2" Female JIC (3/4x16 Thread)

Box 7: Hose Size

Symbol	Description
08 =	1/2 inch Hose Inner Diameter

Box 8: Fitting Material

Symbol	Description
No Suffix =	Steel
B =	Brass
C =	316 Stainless Steel
BA=	Brass nipple with steel nut and socket
BS=	Brass nipple with brass nut and steel socket

Box 9: Over All Length (OAL)

Symbol	Description
24 =	Expressed in inches (610 mm)

OAL of a hose assembly is measured from the end of the straight fitting or centerline of the fitting seat. OAL of the Seal-Lok® hose assembly is measured to the sealing surface of the straight fittings or to the centerline of the elbow fittings

Box 10: Displacement Angle

Symbol	Description
270	Specified only if two (2) elbow fittings are used. Starting with either end as the far end, measure angle clockwise to describe the displacement angle of the near end

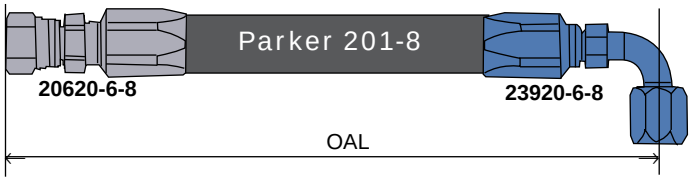
Box 11: Hose Assembly Guards

Symbol	Description
SG =	Spring Guard
AG =	Armor Guard
HG =	Polyguard
PG =	ParKoil™
FS =	Fire Sleeve
AS =	Partek Sleeving
PS =	Partek Sleeving
Note:	When spelling out an assembly part number, list entire sleeving part number

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

How to Order Field Attachable Hose Assemblies

Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11
R	201	06	39	06	06	08		-24		



Box 1: Prefix	
Symbol	**Description**
R =	Field Attachable i.e. 20 Series
M =	Mandrel i.e 23 and 23 Series
B =	Clamp i.e 88HC-H and 88DB on 88 Series
C =	Worm Gear Clamp i.e. 88H Series on 88 Series

Box 2: Hose Type	
Symbol	**Description**
201 =	SAE 100R5

Note: see page A-7 for complete list of Parker Hoses

Box 3: 1st Fitting End Configuration	
Symbol	**Description**
06 =	Female JIC 37 Degree Swivel - Str.

Note: See page E-17 for a complete list of fitting configurations

Box 4: 2nd Fitting End Configuration	
Symbol	**Description**
39 =	JIC 37 Degree Flare Elbow

Box 5: 1st Fitting End Connection Size	
Symbol	**Description**
06 =	3/8" JIC (9/16x18 Thread)

Box 6: 2nd Fitting End Connection Size	
Symbol	**Description**
06 =	3/8" JIC (9/16x18 Thread)

Box 7: Hose Size	
Symbol	**Description**
08 =	13/32 inch Hose Inner Diameter

Box 8: Fitting Material	
Symbol	**Description**
No Suffix =	Steel
B =	Brass
C =	316 Stainless Steel
BA=	Brass nipple with steel nut and socket
BS=	Brass nipple with brass nut and steel socket

Box 9: Over All Length (OAL)	
Symbol	**Description**
24 =	Expressed in inches (610 mm) OAL of a hose assembly is measured from the end of the straight fitting or centerline of the fitting seat. OAL of the Seal-Lok® hose assembly is measured to the sealing surface of the straight fittings or to the centerline of the elbow fittings

Box 10: Displacement Angle	
Symbol	**Description**
270	Specified only if two (2) elbow fittings are used. Starting with either end as the far end, measure angle clockwise to describe the displacement angle of the near end

Box 11: Hose Assembly Guards	
Symbol	**Description**
SG =	Spring Guard
AG =	Armor Guard
HG =	Polyguard
PG =	ParKoil™
FS =	Fire Sleeve
AS =	Partek Sleeving
PS =	Partek Sleeving
Note:	When spelling out an assembly part number, list entire sleeving part number

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

	Hose Size	Hose Reinforcement	Working Pressure (psi) –3	–4	–5	–6	–8	–10	–12	–16	–20	–24	–32	–40	–48	Standard Temp. Range °F	SAE	ISO	EN	Page
Hydraulic	601	2-braids, fiber		1250		1125	1000		750	565						–40/+257	100R3	4079-1-R3		A-8
	422	1-braid, wire		3250	3125	2600	2325	1875	1525	1275	900	725	575			–40/+212	100R1AT	1436-1-1SN		A-8
	424	1-braid, wire								1000	625	500	375			–40/+176	100R1AT			A-8
	421WC	1-braid, wire		2750		2250	2000		1250	1000						–40/+257				A-9
	426	1-braid, wire		2750		2250	2000	1500	1250	1000	625	500	375			–50/+302	100R1AT			A-9
	AX	1-braid, wire		3000		3000	2500	1500	1250	1000						–40/+212				A-9
	482TC/ST	1-braid, wire		3250	3250	3000	2500	2000	1750	1275						–40/+212	100R1AT	1436-1-1SN	853-1SN	A-10
	BXX	2-braids, wire		5000		4000	3500	2750	2250	2000						–40/+212	100R2AT			A-10
	431	2-braids, wire		5000	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		5000		4000	3500		2250	2000	1625	1250	1125			–40/+176				A-11
	301LT	2-braids, wire		5000		4000	3500		2250	2000						–67/+212	100R2AT			A-12
	451TC/ST	1-braid, wire		3000		3000	3000	3000	3000	3000	3000					–40/+212	100R17			A-12
	451TC	1 braid, steel wire				3000	3000									–40/+212	100R17	11237-1		A-12
	341	4-spiral, wire				4500	4000		3000	3000	2500					–40/+212	100R9AT			A-13
	302	2-braids, wire		5800	5000	4750	4000	3600	3100	2400	1800	1300	1150			–40/+212	100R2AT	1436-1-2SN		A-13
	471TC/ST	2-braids, wire		5800		5000	4250	3625	3125	2500						–40/+212		11237-1-2SC	857-2SC	A-13
	471TC	2-braids, steel wire				5000	4250									–40/+212		11237-1-2SC	857	A-14
	472TC	2-braids, wire									2250	1800	1300			–40/+212				A-14
	351TC/ST	2-braids, wire		4000	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-15
	721ST	4-spiral, wire					4000	4000	4000	4000	3000					–40/+257	100R12	3862-1-R12	856-R12	A-15
	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-16
	711	4-spiral, wire										3000	3000			–40/+212	100R11			A-16
	781	4/6-spiral, wire							5000	5000	5000	5000				–40/+257	100R13	3862-1-R13	856-R13	A-16
	P35	4/6-spiral, wire							5000	5000	5000	5000				–40/+257	100R13	3862-1-R13	856-R13	A-17
	782TC/ST	4/6-spiral, wire							5000	5000	5000	5000				–40/+257	100R13	3862-1-R13	856-R13	A-17
	701	4-spiral, wire				6500	6000	5000								–40/+212		3862-1-4SP	856-4SP	A-17
	731	4-spiral, wire							6000	5500	4700	4200	3600			–40/+212		3862-1-4SH	856-4SH	A-18
	F42	4/6 spiral steel wire					6000		6000	6000	6000					–40/+176				A-18
	791TC	4/6-spiral, wire							6000	6000	6000	6000				–40/+257	100R15	3862-1-R15		A-18
	792TC/ST	4/6-spiral, wire							6000	6000	6000					–40/+257	100R15	3862-1-R15		A-19
	761	6-spiral, wire							8000							–40/+257				A-19
	JK	2-braids, wire		10500		1000										–40/+120				A-19
Suction & Return	811/811HT with HC	1-braid, 1-spiral wire							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
	881 with 43/81/DB	2-braids, 1-spiral wire							300	250	200	150	100	62		–40/+257	100R4			A-21
Push-Lok	804	1-braid, fiber		150		150	150		150							–40/+176				A-22
	801	1-braid, fiber		250		250	250	250	250	175						–40/+212				A-22
	836	1-braid, fiber		250		250	250	250								–55/+302				A-22
	821	1-braid, fiber		350		300	300	250	250							–40/+212				A-23
	821FR	1-braid, fiber		350		300	300		250							–40/+212				A-23
	831	1-braid, fiber		350		300	300	300	300							–40/+212				A-23
Transportation	271	1-braid, fiber				225	225									–50/+212	J1402 A			A-24
	SS23CG	1-braid, wire				350	350	350	350							–40/+250				A-24
	SS25UL	1-braid, wire		350	350	350	350	350	350							–40/+250				A-24
	293	1-braid, fiber		500		500	500	450	450	450						–58/+302	J1402 AI			A-25
	221FR	1-braid, wire			500	500	500	500	500	500						–4/+212	J1527 R3/J1942	7840		A-25
	213	1-braid, wire		2000	1500	1500	1250	1000	750	400	300	300	200			–50/+302	J1402 AI			A-26
	266	1-braid, wire		2000	1500	1500	1250	1250	750	400	300	250				–55/+302	J1402 AII			A-26
	201	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350	350	200	–40/+302	100R5/ J1402 AII			A-27
	206	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350	350		–55/+302	100R5/ J1402 AII			A-27
	225	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350			–40/+212				A-28
Refrigerant	285	1-braid, fiber		500		500	500	500	500							–22/+257	J2064 Type C			A-29
	244	1-braid, wire								500	500	500				–22/+257	J2064 Type B Class 1			A-29

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

601

Hydraulic

SAE 100R3

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
601-4	1/4	6,3	0.56	14	1250	8,6	3	75	0.13	0,19	•
601-6	3/8	10	0.75	19	1125	7,8	4	100	0.22	0,33	•
601-8	1/2	12,5	0.92	23	1000	6,9	5	125	0.28	0,42	•
601-12	3/4	19	1.24	32	750	5,2	6	150	0.43	0,64	•
601-16	1	25	1.50	38	565	3,9	8	200	0.61	0,91	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Two fiber braids.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 43 Series - pg. B-27.

422

Hydraulic WORLDWIDE

ISO 1436-1 TYPE 1SN/SAE 100R1 TYPE AT / EN 853 TYPE 1SN

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	42 Series
422-4	1/4	6,3	0.53	13	3250	22,5	4	100	0.16	0,24	•	•
422-5	5/16	8	0.59	15	3125	21,5	4-1/2	115	0.18	0,27	•	•
422-6	3/8	10	0.68	17	2600	18,0	5	130	0.23	0,34	•	•
422-8	1/2	12,5	0.81	21	2325	16,0	7	180	0.29	0,43	•	•
422-10	5/8	16	0.94	24	1875	13,0	8	200	0.33	0,49	•	•
422-12	3/4	19	1.09	28	1525	10,5	9-1/2	240	0.42	0,63	•	•
422-16	1	25	1.41	36	1275	8,8	12	300	0.63	0,94	•	•
422-20	1-1/4	31,5	1.79	45	900	6,3	16-1/2	420	0.8	1,19	•	
422-24	1-1/2	38	2	51	725	5,0	20	500	1	1,49	•	
422-32	2	51	2.54	64	575	4,0	25	630	1.5	2,24	•	

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: One braid steel wire.

Cover: Synthetic rubber.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.
42 Series - pg. B-157.

424

Hydraulic – Phosphate Ester Base Fluids

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	43 Series
424-16	1	25	1.40	36	1000	6,9	12	300	0.63	0,94	20	68	•
424-20	1-1/4	31,5	1.73	44	625	4,3	16-1/2	420	0.80	1,19	20	68	•
424-24	1-1/2	38	2.00	51	500	3,5	20	500	1.00	1,49	15	51	•
424-32	2	51	2.50	64	375	2,6	25	630	1.50	2,23	11	37	•

Application: Phosphate ester base hydraulic fluids.

Inner Tube: EPDM rubber.

Reinforcement: One braid steel wire.

Cover: EPDM rubber, green.

Temperature Range: -40°F to +176°F (-40°C to +80°C).

Fittings: 43 Series - pg. B-27.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

421WC

Hydraulic

SAE 100R1 TYPE AT – NO-SKIVE PROTECTIVE WIRE COVER

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
421WC-4	1/4	6,3	0.55	14	2750	19	4	100	0.26	0,39	•
421WC-6	3/8	10	0.71	18	2250	15,5	5	130	0.36	0,54	•
421WC-8	1/2	12,5	0.84	21	2000	13,8	7	180	0.45	0,67	•
421WC-12	3/4	19	1.12	28	1250	8,6	9-1/2	240	0.64	0,95	•
421WC-16	1	25	1.43	36	1000	6,9	12	300	0.88	1,31	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: One braid steel wire.

Cover: Synthetic rubber w/ galvanized steel wire over braid.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 43 Series - pg. B-27.

426

Hydraulic – High Temperature

SAE 100R1 TYPE AT

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
426-4	1/4	6,3	0.53	13	2750	19,2	4	100	0.16	0,24	•
426-6	3/8	10	0.68	17	2250	15,7	5	125	0.23	0,34	•
426-8	1/2	12,5	0.81	21	2000	14,0	7	180	0.29	0,43	•
426-10	5/8	16	0.94	24	1500	10,5	8	200	0.33	0,49	•
426-12	3/4	19	1.09	28	1250	8,7	9-1/2	240	0.44	0,65	•
426-16	1	25	1.40	36	1000	7,0	12	300	0.66	0,98	•
426-20	1-1/4	31,5	1.79	45	625	4,3	16-1/2	420	0.94	1,40	•
426-24	1-1/2	38	2.00	51	500	3,5	20	500	0.98	1,46	•
426-32	2	51	2.54	64	375	2,6	25	630	1.46	2,18	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: PKR®.

Reinforcement: One braid steel wire.

Cover: PKR®. rubber, blue, MSHA accepted

Temperature Range: -50°F to +302°F (-46°C to +150°C).

Fittings: 43 Series - pg. B-27.

AX

Hydraulic

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	HY Series
AX04	1/4	6,3	0.50	13	3000	21	2	50	0.15	0,22	•
AX06	3/8	10	0.62	16	3000	21	2-1/2	65	0.19	0,28	•
AX08	1/2	12,5	0.75	19	2500	17,5	3-1/2	90	0.24	0,36	•
AX10	5/8	16	0.88	22	1500	10,5	4	100	0.29	0,43	•
AX12	3/4	19	1.01	26	1250	8,7	4-3/4	120	0.34	0,51	•
AX16	1	25	1.29	33	1000	7	6	150	0.48	0,72	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic Rubber.

Reinforcement: One braid steel wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: HY Series - pg. B-110.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

482TC

Hydraulic – TOUGH COVER

SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

482ST

Hydraulic – SUPER TOUGH

SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	42 Series
482TC/ST-4	1/4	6,3	0.53	14	3250	22,7	2	50	0.16	0,24	•	•
482TC-5	5/16	8	0.59	15	3250	22,7	2-1/4	55	0.18	0,27	•	•
482TC/ST-6	3/8	10	0.69	17	3000	21,0	2-1/2	65	0.23	0,34	•	•
482TC/ST-8	1/2	12,5	0.82	21	2500	17,5	3-1/2	90	0.29	0,43	•	•
482TC/ST-10	5/8	16	0.94	24	2000	14,0	4	100	0.33	0,49	•	•
482TC/ST-12	3/4	19	1.09	28	1750	12,2	4-3/4	120	0.42	0,63	•	•
482TC/ST-16	1	25	1.41	36	1275	8,8	6	150	0.63	0,94	•	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: One braid steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.
42 Series - pg. B-157

BXX

Hydraulic

SAE 100R2 TYPE AT

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	HY Series
BXX04	1/4	6,3	0.59	15	5000	35	4	100	0.27	0,40	•
BXX06	3/8	10	0.74	19	4000	28	5	125	0.38	0,57	•
BXX08	1/2	12,5	0.87	22	3500	24,5	7	180	0.46	0,69	•
BXX10	5/8	16	1.00	25	2750	19,2	8	200	0.55	0,82	•
BXX12	3/4	19	1.15	29	2250	15,7	9-1/2	240	0.65	0,97	•
BXX16	1	25	1.49	38	2000	14	12	305	0.98	1,46	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: HY Series - pg. B-110.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

431
Hydraulic – Compact®
SAE 100R16 / ISO 11237 TYPE R16

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	42 Series
431-4	1/4	6,3	0.53	13	5000	34,5	2	50	0.18	0,27	•	
431-5	5/16	8	0.59	15	4250	29,3	2-1/4	55	0.24	0,36	•	•
431-6	3/8	10	0.68	17	4000	27,5	2-1/2	65	0.28	0,42	•	•
431-8	1/2	12,5	0.81	21	3500	24	3-1/2	90	0.34	0,51	•	•
431-10	5/8	16	0.94	24	2750	19	4	100	0.44	0.66	•	•
431-12	3/4	19	1.09	28	2250	15,5	4-3/4	120	0.54	0,80	•	•
431-16	1	25	1.41	36	2000	13,8	6	150	0.82	1,22	•	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 43 Series - pg. B-27.
42 Series - pg. B-157.

436
Hydraulic – Compact® High Temperature
SAE 100R16 / ISO 11237 TYPE R16

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	42 Series
436-6	3/8	10	0.68	17	4000	27,5	2-1/2	65	0.28	0,42	•	•
436-8	1/2	12,5	0.81	21	3500	24	3-1/2	90	0.34	0,51	•	•
436-10	5/8	16	0.94	24	2750	19	4	100	0.44	0,66	•	•
436-12	3/4	19	1.09	28	2250	15,5	4-3/4	120	0.54	0,80	•	•
436-16	1	25	1.41	36	2000	13,8	6	150	0.82	1,22	•	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: PKR®

Reinforcement: Two braids steel wire.

Cover: PKR rubber, blue, MSHA accepted.

Temperature Range: -55°F to +302°F (-48°C to +150°C).

Fittings: 43 Series - pg. B-27.
42 Series - pg. B-157.

304
Hydraulic – Phosphate Ester Base Fluids

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
304-4	1/4	6,3	0.59	15	5000	34,5	4	100	0.26	0,39	•
304-6	3/8	10	0.75	19	4000	27,5	5	130	0.37	0,55	•
304-8	1/2	12,5	0.88	22	3500	24	7	180	0.45	0,67	•
304-12	3/4	19	1.16	29	2250	15,5	9-1/2	240	0.67	1,00	•
304-16	1	25	1.50	38	2000	13,8	12	300	1.00	1,49	•
304-20	1-1/4	31,5	1.86	47	1625	11,2	16-1/2	420	1.16	1,73	•
304-24	1-1/2	38	2.14	54	1250	8,6	20	500	1.44	2,14	•
304-32	2	51	2.64	67	1125	7,8	25	630	1.99	2,96	•

Application: Phosphate ester base hydraulic fluids.

Inner Tube: EPDM rubber.

Reinforcement: Two braids steel wire.

Cover: EPDM rubber, green.

Temperature Range: -40°F to +176°F (-40°C to +80°C).

Fittings: 43 Series - pg. B-27.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

301LT

Hydraulic – Low Temperature

SAE 100R2 TYPE AT

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
301LT-4	1/4	6,3	0.59	15	5000	35,0	4	100	0.26	0,39	•
301LT-6	3/8	10	0.75	19	4000	28,0	5	130	0.37	0,55	•
301LT-8	1/2	12,5	0.88	22	3500	24,5	7	180	0.45	0,67	•
301LT-10	5/8	16	1.00	25	2750	19,2	8	200	0.52	0,77	•
301LT-12	3/4	19	1.16	29	2250	15,7	9-1/2	240	0.67	1,00	•
301LT-16	1	25	1.50	38	2000	14,0	12	300	1.00	1,49	•

Application: Petroleum base hydraulic fluids and lubricating oil.

Inner Tube: Synthetic Rubber.

Reinforcement: Two braids steel wire.

Cover: PKR Rubber.

Temperature Range: -67°F to +212°F (-55°C to +100°C).

Fittings: 43 Series - pg. B-27.

451TC

Hydraulic – TOUGH COVER

SAE 100R17 / ISO 11237 - 1 TYPE R17 - Constant Working Pressure

451ST

Hydraulic – SUPER TOUGH

SAE 100R17 / ISO 11237 - 1 TYPE R17 - Constant Working Pressure

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
451TC/ST-4	1/4	6,3	0.52	13	3000	21,0	2	50	0.16	0,24	•
451TC/ST-6	3/8	10	0.68	17	3000	21,0	2-1/2	65	0.23	0,34	•
451TC/ST-8	1/2	12,5	0.80	20	3000	21,0	3-1/2	90	0.35	0,52	•
451TC/ST-10	5/8	16	0.94	24	3000	21,0	4	100	0.44	0,66	•
451TC/ST-12	3/4	19	1.10	28	3000	21,0	4-3/4	120	0.58	0,86	•
451TC/ST-16	1	25	1.40	35	3000	21,0	6	150	0.79	1,17	•
451TC/ST-20	1-1/4	31,5	1.85	47	3000	21,0	8-1/4	210	1.50	2,23	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: One or two braid steel wire (4-spiral for size -20).

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

451TC

Hydraulic – TWIN TOUGH

SAE 100R17 / ISO 11237 - 1 TYPE R17 - Constant Working Pressure

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
451TC-6-6	3/8	10	0.68	17	3000	21,0	2-1/2	65	0.46	0,68	•
451TC-8-8	1-2	12,5	0.80	20	3000	21,0	3-1/2	90	0.70	1,04	•

For assembly instructions see page C-18.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: One braid steel wire

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

341

Hydraulic

SAE 100R9 TYPE AT

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
341-6	3/8	10	0.78	20	4500	31,5	5	130	0.50	0,74	•
341-8	1/2	12,5	0.89	23	4000	28,0	7	180	0.62	0,92	•
341-12	3/4	19	1.17	30	3000	21,0	9-1/2	240	0.92	1,37	•
341-16	1	25	1.51	38	3000	21,0	12	300	1.28	1,90	•
341-20	1-1/4	31,5	1.87	47	2500	17,5	16-1/2	420	1.79	2,66	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four spiral steel wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

302

Hydraulic – WORLDWIDE

ISO 1436-1 TYPE 2SN / SAE 100R2 TYPE AT / EN 853 TYPE 2SN

# Part Number	Hose ID		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	Mpa	inch	mm	lbs/ft	kg/m	43 Series	30 Series
302-4	1/4	6,3	0.59	15,0	5800	40	4	100	0.26	0,39	•	•
302-5	5/16	8	0.65	16,6	5000	35	4-1/2	115	0.28	0,42	•	
302-6	3/8	10	0.75	19,0	4750	33	5	130	0.37	0,55	•	•
302-8	1/2	12,5	0.88	22,3	4000	28	7	180	0.45	0,67	•	•
302-10	5/8	16	1.00	25,5	3600	25	8	200	0.52	0,77	•	•
302-12	3/4	19	1.16	29,4	3100	21,5	9-1/2	240	0.67	1,00	•	•
302-16	1	25	1.50	38,1	2400	16,5	12	300	1.00	1,49	•	•
302-20	1-1/4	31,5	1.86	47,1	1800	12,5	16-1/2	420	1.16	1,73	•	•
302-24	1-1/2	38	2.14	54,5	1300	9	20	500	1.44	2,14	•	•
302-32	2	51	2.64	67,2	1150	8	25	630	1.99	2,96	•	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.
30 Series - pg. B-151.

471TC

Hydraulic – TOUGH COVER

ISO 11237-1 TYPE 2SC / EN 857 TYPE 2SC

471ST

Hydraulic – SUPER TOUGH

ISO 11237-1 TYPE 2SC / EN 857 TYPE 2SC

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
471TC/ST-4	1/4	6,3	.51	13	5800	40,0	2	50	0.20	0,30	•
471TC/ST-6	3/8	10	.68	17	5000	35,0	2-1/2	65	0.28	0,42	•
471TC/ST-8	1/2	12,5	.80	20	4250	29,7	3-1/2	90	0.35	0,52	•
471TC/ST-10	5/8	16	.94	24	3625	25,0	4	100	0.44	0,66	•
471TC/ST-12	3/4	19	1.09	28	3125	21,5	4-3/4	120	0.58	0,86	•
471TC/ST-16	1	25	1.40	35	2500	17,5	6	150	0.79	1,17	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

471TC
Hydraulic – TWIN TOUGH
ISO 11237-1 TYPE 2SC / EN 857 TYPE 2SC

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
471TC-6-6	3/8	10	0.68	17	5000	35,0	2-1/2	65	0.56	0,84	•
471TC-8-8	1/2	12,5	0.80	20	4250	29,7	3-1/2	90	0.70	1,04	•

For assembly instructions see page C-18.

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series- pg. B-27.

472TC
Hydraulic – TOUGH COVER

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
472TC-20	1-1/4	31,5	1.79	45	2250	15,7	8-1/4	210	1.34	2,01	•
472TC-24	1-1/2	38	2.01	51	1800	12,5	10	250	1.44	2,16	•
472TC-32	2	51	2.54	65	1300	9,0	12-1/2	315	1.93	2,90	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

351TC
Hydraulic – TOUGH COVER
Constant Working Pressure

351ST
Hydraulic – SUPER TOUGH
Constant Working Pressure

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
351TC/ST-4	1/4	6,3	.51	13	4000	28	2	50	0.20	0,30	•
351TC/ST-6	3/8	10	.67	17	4000	28	2-1/2	65	0.28	0,42	•
351TC/ST-8	1/2	12,5	.80	20	4000	28	3-1/2	90	0.35	0,52	•
351TC/ST-10	5/8	16	.93	24	4000	28	4	100	0.44	0,66	•
351TC/ST-12	3/4	19	1.09	28	4000	28	4-3/4	120	0.58	0,86	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Two braids steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

721

Hydraulic

SAE 100R12 / ISO 3862-1 TYPE R12 / EN 856 TYPE R12

721TC

Hydraulic – EXTREME Tough Cover

SAE 100R12 / ISO 3862-1 TYPE R12 / EN 856 TYPE R12

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	71 Series
721/721TC-6	3/8	10	0.80	20	4000	28,0	2-1/2	62,5	0.40	0,60	•
721/721TC- 8	1/2	12,5	0.93	24	4000	28,0	3-1/2	90	0.62	0,93	•
721/721TC-10	5/8	16	1.08	27	4000	28,0	4	100	0.74	1,10	•
721/721TC-12	3/4	19	1.21	31	4000	28,0	4-3/4	120	0.94	1,40	•
721/721TC-16	1	25	1.50	38	4000	28,0	6	150	1.34	1,99	•
721/721TC-20	1-1/4	31,5	1.84	46	3000	21,0	8-1/4	210	1.74	2,59	•
721/721TC-24	1-1/2	38	2.07	53	2500	17,5	10	250	2.01	2,99	•
721/721TC-32	2	51	2.59	66	2500	17,5	12-1/2	320	2.75	4,09	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four spiral steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 71 Series - pg. B-67.

721ST

Hydraulic – SUPER TOUGH

SAE 100R12 / ISO 3862-1 TYPE R12 / EN 856 TYPE R12

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	71 Series
721ST-8	1/2	12,5	0.94	24	4000	28,0	3-1/2	90	0.54	0,80	•
721ST-10	5/8	16	1.08	27	4000	28,0	4	100	0.74	1,10	•
721ST-12	3/4	19	1.21	31	4000	28,0	4-3/4	120	0.94	1,40	•
721ST-16	1	25	1.50	38	4000	28,0	6	150	1.34	1,99	•
721ST-20	1-1/4	31,5	1.84	46	3000	21,0	8-1/4	210	1.74	2,59	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four spiral steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 71 Series - pg. B-67.

772TC

Hydraulic – TOUGH COVER

SAE 100R12 / ISO 3862-1 TYPE R12 / EN 856 TYPE R12

772ST

Hydraulic – SUPER TOUGH

SAE 100R12 / ISO 3862-1 TYPE R12 / EN 856 TYPE R12

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	71 Series
772TC/ST-6	3/8	10	0.79	20	4000	28,0	5	125	0.40	0,60	•
772TC/ST-8	1/2	12,5	0.94	24	4000	28,0	7	180	0.62	0,93	•
772TC/ST-10	5/8	16	1.08	27	4000	28,0	8	200	0.74	1,10	•
772TC/ST-12	3/4	19	1.21	31	4000	28,0	9-1/2	240	0.94	1,40	•
772TC/ST-16	1	25	1.50	38	4000	28,0	12	300	1.34	1,99	•
772TC/ST-20	1-1/4	31,5	1.84	46	3000	21,0	16-1/2	420	1.74	2,59	•
772TC/ST-24	1-1/2	38	2.07	53	2500	17,5	20	500	2.01	2,99	•
772TC/ST-32	2	51	2.59	66	2500	17,5	25	630	2.75	4,09	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: Four spiral steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 71 Series - pg. B-67.

• See Section C for Parkrimp Assembly Instructions.
• Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

774

Hydraulic – Phosphate Ester Base Fluids

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	71 Series
774-12	3/4	19	1.21	31	4000	28,0	9-1/2	240	0.94	1,40	•
774-16	1	25	1.50	38	4000	28,0	12	300	1.34	1,99	•
774-20	1-1/4	31,5	1.84	46	3000	21,0	16-1/2	420	1.74	2,59	•
774-24	1-1/2	38	2.07	53	2500	17,5	20	500	2.01	2,99	•
774-32	2	51	2.59	66	2500	17,5	25	630	2.75	4,09	•

Application: Phosphate ester base hydraulic fluids.

Inner Tube: EPDM rubber.

Reinforcement: Four spiral steel wire.

Cover: EPDM rubber, green.

Temperature Range: -40°F to +176°F (-40°C to +80°C).

Fittings: 71 Series - pg. B-67.

711

Hydraulic

Meets SAE 100R11 Performance

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	71 Series
711-24	1-1/2	38,0	2.07	53	3000	21,0	22	560	2.01	2,99	•
711-32	2	51,0	2.59	66	3000	21,0	28	710	2.75	4,09	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four spiral steel wire.

Cover: Synethetic rubber, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 71 Series - pg. B-67.

781

Hydraulic

SAE 100R13 / ISO 3862-1 TYPE R13 / EN856 TYPE R13

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	78 Series
781-12	3/4	19	1.26	32	5000	35,0	9-1/2	240	1.07	1,59	•
781-16	1	25	1.52	39	5000	35,0	12	300	1.48	2,20	•
781-20	1-1/4	31,5	1.96	50	5000	35,0	16-1/2	420	2.48	3,69	•
781-24	1-1/2	38	2.26	57	5000	35,0	20	500	3.22	4,79	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four or six spiral steel wire.

Cover: Synethetic rubber, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 78 Series - pg. B-92.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

P35

Hydraulic

SAE 100R13 / ISO 3862-1 TYPE R13 / EN856 TYPE R13

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	S6 Series
P35-32	2	51	2.80	71	5000	35,0	25	630	5.03	7,48	•

NOTE: P35-32 Hose must be crimped with S6 Series fittings.

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four or six spiral steel wire.

Cover: Synethetic rubber, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: S6 Series - pg. B-93.

782TC

Hydraulic – TOUGH COVER

SAE 100R13 / ISO 3862-1 TYPE R13 / EN856 TYPE R13

782ST

Hydraulic – SUPER TOUGH

SAE 100R13 / ISO 3862-1 TYPE R13 / EN856 TYPE R13

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	78 Series
782TC/ST-12	3/4	19	1.26	32	5000	35,0	9-1/2	240	1.07	1,59	•
782TC/ST-16	1	25	1.52	39	5000	35,0	12	300	1.48	2,20	•
782TC/ST-20	1-1/4	31,5	1.96	50	5000	35,0	16-1/2	420	2.48	3,69	•
782TC/ST-24	1-1/2	38	2.26	57	5000	35,0	20	500	3.22	4,79	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: Four or six spiral steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 78 Series - pg. B-92.

701

Hydraulic

ISO 3862-1 TYPE 4SP / EN 856 TYPE 4SP

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	70 Series
701-6	3/8	10	0.84	21	6500	45,0	7	180	0.52	0,78	•
701-8	1/2	12,5	0.97	25	6000	41,5	9	230	0.62	0,93	•
701-10	5/8	16	1.11	28	5000	35,0	10	250	0.77	1,15	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four spiral steel wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 70 Series - pg. B-57.

• See Section C for Parkrimp Assembly Instructions.
• Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

731

Hydraulic

ISO 3862-1 TYPE 4SH / EN 856 TYPE 4SH

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	73 Series
731-12	3/4	19	1.27	32	6000	42,0	11	280	1.16	1,72	•
731-16	1	25	1.52	39	5500	38,0	13-1/2	340	1.44	2,14	•
731-20	1-1/4	31,5	1.79	45	4700	32,5	18	460	1.99	2,96	•
731-24	1-1/2	38	2.10	53	4200	29,0	22	560	2.15	3,20	•
731-32	2	51	2.68	68	3600	25,0	27	700	3.56	5,30	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four spiral steel wire.

Cover: Synthetic rubber.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 73 Series - pg. B-81.

F42

No-Skive Hydraulic Hose

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	70 Series	79 Series
F42-8	1/2	12,5	0.97	25,0	6000	42,0	8.0	200	0.56	0,83	•	
F42-12	3/4	19	1.26	31,9	6000	42,0	10.5	265	1.03	1,53		•
F42-16	1	25	1.52	38,5	6000	42,0	13.0	330	1.40	2,08		•
F42-20	1-1/4	31,5	1.97	50	6000	42,0	17.5	445	2.66	3,96		•

Inner Tube: EPDM rubber

Reinforcement: Four or six-spiral steel wire

Cover: EPDM rubber, green

Temperature Range: -40°C to +80°F (-40°F to +176°C)

Fittings: 70 Series - pg. B-57.
79 Series - pg. B-105.

791TC

Hydraulic – EXTREME Tough Cover

SAE 100R15 / ISO 3862-1 TYPE R15

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	79 Series
791TC-12	3/4	19	1.26	32	6000	42,0	8	200	1.07	1,59	•
791TC-16	1	25	1.52	39	6000	42,0	10	250	1.48	2,20	•
791TC-20	1-1/4	31,5	1.97	50	6000	42,0	10	250	2.48	3,69	•
791TC-24	1-1/2	38	223	56,5	6000	42,0	12	305	3.22	4,79	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Four or six spiral steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 79 Series - pg. B-105.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

792TC

Hydraulic – TOUGH COVER

SAE 100R15 / ISO 3862-1 TYPE R15

792ST

Hydraulic – SUPER TOUGH

SAE 100R15 / ISO 3862-1 TYPE R15

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	79 Series
792TC/ST-12	3/4	19	1.26	32	6000	42,0	10-1/2	265	1.07	1,59	•
792TC/ST-16	1	25	1.52	39	6000	42,0	13	330	1.48	2,20	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Nitrile.

Reinforcement: Four or six spiral steel wire.

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 79 Series - pg. B-105.

761

Hydraulic – ParMax

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	76 Series
761-12	3/4	19	1.37	34,8	8000	56,0	10-1/2	260	1.56	2.32	•
761-16	1	25	1.65	41,9	8000	56,0	13	330	2.02	3.00	•

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Six spiral steel wire.

Cover: Synthetic rubber.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 76 Series - pg. B-90.

JK

Hydraulic – Jack Hose

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
JK-4	1/4	6,3	0.59	15	10500	72,4	4	100	0.26	0,39	•
JK-6	3/8	10	0.75	22	10000	70	5	125	0.37	0,55	•

NOTE: THIS PRODUCT CAN ONLY BE ASSEMBLED BY CERTIFIED DISTRIBUTORS OR CUSTOMERS ACCORDING TO THE METHODS PRESCRIBED IN BULLETIN 4480-T18-US. JK HOSE HAS A 2:1 DESIGN FACTOR.

Inner Tube: Nitrile

Reinforcement: Two braids steel wire

Cover: Synthetic rubber, MSHA accepted

Temperature Range: -40°F to +120°F (-40°C to +49°C)

Fittings: 10143-4-4, 10143-4-6, 10143-6-4, 10143-6-6 pg. B-29.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

811

Suction and Return Line
1/2 SAE Minimum Bend Radius

SAE 100R4

# Part Number	Hose I.D.		Hose O.D.		Working Pressure 81/88DB		88HC		Minimum Bend Radius		Weight		Vacuum Rating inches of Hg	kPa	Parkrimp 81 Series	Field Attachable 88 Series w/HC or DB
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	kg/m				
811-12	3/4	19,0	1.18	30,0	300	2,1	100	0,7	2-1/2	64	0.42	0,63	25	84	•	•
811-16	1	25,4	1.50	38,0	250	1,7	70	0,5	3	76	0.65	0,96	25	84	•	•
811-20	1-1/4	31,8	1.77	45,0	200	1,4	50	0,3	4	102	0.82	1,22	25	84	•	•
811-24	1-1/2	38,1	2.05	52,0	150	1	50	0,3	5	127	1.04	1,55	25	84	•	•
811-32	2	50,8	2.50	63,6	100	0,7	50	0,3	6	152	1.26	1,87	25	84	•	•
811-40	2-1/2	63,5	3.00	76,2	62	0,4	62	0,4	7	178	1.64	2,45	25	84		

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Multiple layers of fiber spiral and one helical wire.

Cover: Synthetic rubber.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 81 Series - pg. B-181.
88 Series - pg. B-181.

811HT

Suction and Return Line – High Temperature
1/2 SAE Minimum Bend Radius

SAE 100R4

# Part Number	Hose I.D.		Hose O.D.		Working Pressure 81/88DB		88HC		Minimum Bend Radius		Weight		Vacuum Rating inches of Hg	kPa	Parkrimp 81 Series	Field Attachable 88 Series w/HC or DB
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	kg/m				
811HT-12	3/4	19,0	1.18	30,0	300	2,1	100	0,7	2-1/2	64	0.42	0,63	28	95	•	•
811HT-16	1	25,4	1.50	38,0	250	1,7	70	0,5	3	76	0.65	0,96	28	95	•	•
811HT-20	1-1/4	31,8	1.77	45,0	200	1,4	50	0,3	4	102	0.82	1,22	28	95	•	•
811HT-24	1-1/2	38,1	2.05	52,0	150	1	50	0,3	5	127	1.04	1,55	28	95	•	•
811HT-32	2	50,8	2.50	63,6	100	0,7	50	0,3	6	152	1.26	1,87	28	95	•	•
811HT-40	2-1/2	63,5	3,00	76,2	62	0,4	62	0,4	7	178	1.82	2,71	28	95		

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Multiple layers of fiber spiral and one helical wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -50°F to +257°F (-46°C to +125°C).

Fittings: 81 Series - pg. B-181.
88 Series - pg. B-181.

- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

881

Suction and Return Line

SAE 100R4

# Part Number	Hose I.D.		Hose O.D.		Working Pressure 43/81/88DB		88HC		Minimum Bend Radius		Weight		Vacuum Rating inches of Hg		Parkrimp	Field Attachable 88 Series w/HC or DB
	inch	mm	inch	mm	psi	MPa	psi	Mpa	inch	mm	lbs/ft	kg/m	of Hg	kPa	43/81 Series	
881-12	3/4	19,0	1.20	30,6	300	2,1	100	0,7	5	127	0.50	0,74	28	95	•	•
881-16	1	25,4	1.49	37,9	250	1,7	70	0,5	6	152	0.60	0,89	28	95	•	•
881-20	1-1/4	31,8	1.78	45,3	200	1,4	50	0,3	8	203	0.89	1,32	28	95	•	•
881-24	1-1/2	38,1	2.06	52,4	150	1	50	0,3	10	254	1.11	1,65	28	95	•	•
881-32	2	50,8	2.48	63,1	100	0,7	50	0,3	12	305	1.27	1,89	28	95	•	•
881-40	2-1/2	63,5	3.00	76,2	62	0,4	62	0,4	14	356	1.82	2,71	28	95		

Application: Petroleum base hydraulic fluids and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: Multiple layers of fiber spiral and one helical wire.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +257°F (-40°C to +125°C).

Fittings: 43 Series - pg. B-27.
81 Series - pg. B-181.
88 Series - pg. B-181.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

804

Dry Air/Hot Water

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
804-4	1/4	6,3	0.50	12,7	150	1,7	2-1/2	64	0.09	0,13	15	51	•
804-6	3/8	10	0.63	15,9	150	1,7	3	76	0.11	0,16	15	51	•
804-8	1/2	12,5	0.78	19,8	150	1,7	5	127	0.18	0,27	15	51	•
804-10	5/8	16	0.91	23,0	150	1,0	6	450	0.19	0,28	15	51	•
804-12	3/4	19	1.03	26,2	150	1,7	7	178	0.24	0,36	15	51	•

Application: Phosphate ester, dry air and water.

Inner Tube: EPDM rubber.

Reinforcement: One fiber braid.

Cover: EPDM rubber.

Temperature Range:

Air: +158˚F (+70˚C)
Phosphate ester: +176˚F (+80˚C)
Water: +200˚F (+93˚C).

Fittings: 82 Series - pg. B-164.

801

Multipurpose

Available Cover Colors: GRA RED YEL BLU GRN BLK

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
801-4	1/4	6,3	0.50	12,7	250	1,7	2-1/2	65	0.09	0,13	28	95	•
801-6	3/8	10	0.63	15,9	250	1,7	3	75	0.11	0,16	28	95	•
801-8	1/2	12,5	0.78	19,8	250	1,7	5	125	0.18	0,27	28	95	•
801-10	5/8	16	0.91	23,0	250	1,7	6	150	0.19	0,28	15	51	•
801-12	3/4	19	1.03	26,2	250	1,7	7	180	0.24	0,36	15	51	•
801-16	1	25	1.28	32,6	175	1,2	10	250	0.37	0,55	15	51	•

Application: Pneumatic, petroleum base hydraulic fluid, lubricating oils and antifreeze solutions.

Inner Tube: Synthetic rubber.

Reinforcement: One fiber braid.

Cover: Synthetic rubber, MSHA accepted

Hose cover colors include: Gray, Red, Yellow, Black, Green, and Blue.

Temperature Range:

Air: +158˚F (+70˚C)
Water: +185˚F (+85˚C)
Oil: -40˚F to 212˚F
(-40˚C to +100˚C).

Fittings: 82 Series - pg. B-164.

836

Multipurpose – High Temperature

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
836-4	1/4	6,3	0.5	12,7	250	1,7	2-1/2	65	0.09	0,13	28	95	•
836-6	3/8	10	0.63	15,9	250	1,7	3	75	0.11	0,16	28	95	•
836-8	1/2	12,5	0.78	19,8	250	1,7	5	125	0.18	0,27	28	95	•
836-10	5/8	16	0.91	23,0	250	1,7	6	150	0.19	0,28	15	51	•

Application: Pneumatic, petroleum base hydraulic fluid, lubricating oils and antifreeze solutions.

Inner Tube: PKR®

Reinforcement: One fiber braid.

Cover: Synthetic rubber, blue.

Temperature Range:

Air: +212˚F (+100˚C)
Water: +185˚F (+85˚C)
Oil: -55˚F to +302˚F
(-48˚C to +150˚C).

Fittings: 82 Series - pg. B-164.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- Push-Lok is not recommended for any fuel, refrigerant, or for use in air conditioners and heat pump applications.
- Push-Lok is not recommended for applications where extreme pulsation is encountered.
- See Section B for Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

821

Multipurpose

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
821-4	1/4	6,3	0.50	12,7	350	2,4	2-1/2	64	0.06	0,09	28	95	•
821-6	3/8	10	0.63	15,9	300	2,1	3	76	0.09	0,13	28	95	•
821-8	1/2	12,5	0.78	19,8	300	2,1	5	127	0.12	0,18	28	95	•
821-10	5/8	16	0.91	23,0	250	1,7	6	152	0.19	0,28	28	95	•
821-12	3/4	19	1.03	26,2	250	1,7	7	178	0.21	0,31	28	95	•

Application: Pneumatic, petroleum base hydraulic fluid, lubricating oils and antifreeze solutions.

Inner Tube: Synthetic rubber.

Reinforcement: One fiber braid.

Cover: Fiber braid.

Temperature Range:

Air: +158˚F (+70˚C)
Water: +185˚F (+85˚C)
Oil: -40˚F to +212˚F (-40˚C to +100˚C).

Fittings: 82 Series - pg. B-164.

821FR

Multipurpose – Fire Resistant Cover

Available Cover Colors: WHT BRN BLU GRN BLK

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
821FR-4	1/4	6,3	0.50	12,7	350	2,4	2-1/2	64	0.08	0,12	28	95	•
821FR-6	3/8	10	0.63	15,9	300	2,1	3	76	0.11	0,16	28	95	•
821FR-8	1/2	12,5	0.78	19,8	300	2,1	5	127	0.12	0,18	28	95	•
821FR-12	3/4	19	1.03	26,2	250	1,7	7	178	0.22	0,33	28	95	•

Application: Pneumatic, petroleum base hydraulic fluid, lubricating oils and antifreeze solutions.

Inner Tube: PKR®

Reinforcement: One fiber braid.

Cover: Fire resistant fiber braid.

Hose cover colors include: White, Brown, Blue, Green, and Black.

Temperature Range:

Air: +212˚F (+100˚C)
Water: +185˚F (+85˚C)
Oil: -40˚F to +212˚F (-40˚C to +100˚C).

Fittings: 82 Series - pg. B-164.

831

Multipurpose – Heavy Duty

Available Cover Colors: RED BLU GRN BLK

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
831-4	1/4	6,3	0.50	12,7	350	2,4	2-1/2	65	0.09	0,13	28	95	•
831-6	3/8	10	0.63	16	300	2,0	3	75	0.11	0,16	28	95	•
831-8	1/2	12,5	0.78	20	300	2,0	5	125	0.18	0,27	28	95	•
831-10	5/8	16	0.91	23	300	2,0	6	150	0.19	0,28	15	51	•
831-12	3/4	19	1.03	26	300	2,0	7	180	0.24	0,36	15	51	•

Application: Pneumatic, petroleum base hydraulic fluid, lubricating oils and antifreeze solutions.

Inner Tube: Synthetic rubber.

Reinforcement: One fiber braid.

Cover: Synthetic rubber, MSHA accepted.

Hose cover colors include: Red, Blue, Green, and Black.

Temperature Range:

Air: +158˚F (+70˚C)
Water: +185˚F (+85˚C)
Oil: -40˚F to +212˚F (-40˚C to +100˚C).

Fittings: 82 Series - pg. B-164.

- Field Attachable Assembly Instructions are in Section B with each Fitting Series.
- Push-Lok is not recommended for any fuel, refrigerant, or for use in air conditioners and heat pump applications.
- Push-Lok is not recommended for applications where extreme pulsation is encountered.
- See Section B for Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

271

Transportation – Air Brake Hose

SAE J1402 A / D.O.T. FMVSS 106A - AIR BRAKE

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	25 Series
271-6	3/8	10	0.75	19	225	1,6	1-3/4	45	0.20	0,30	•
271-8	1/2	12,5	0.88	22	225	1,6	2	50	0.26	0,39	•

Application: Air brake systems.

Inner Tube: Synthetic rubber.

Reinforcement: One or more fiber braid.

Cover: Synthetic Rubber.

Temperature Range: -50°F to +212°F (-46°C to +100°C).

Fittings: 25 Series - pg. B-5.

SS23CG

Transportation – Compressed Natural Gas and Liquefied Petroleum Gas

CGA TYPE III, ECE110 CLASS 1

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	26 Series
SS23CG-6	5/16	8,0	0.68	17,2	425	3,0	4	100	0.16	0,24	•
SS23CG-8	13/32	10	0.77	19,5	425	3,0	4-1/2	115	0.17	0,25	•
SS23CG-10	1/2	12,5	0.92	23,4	425	3,0	5-1/2	140	0.28	0,42	•

FACTORY MADE HOSE ASSEMBLIES ONLY. Contact Hose Products Division for more information.

Application: Liquefied petroleum gas (LPG), Compressed natural gas (CNG).

Inner Tube: Synthetic rubber.

Reinforcement: One steel braid.

Cover: Synthetic rubber.

Temperature Range: -40°F to +250°F (-40°C to +121°C).

Fittings: 26 Series - pg. B-9.

SS25UL

Transportation – Liquefied Petroleum Gas

UL STANDARD 21

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Field Attachable	Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	20/22 Series	26 Series
SS25UL-4	3/16	5	0.52	13,2	350	2,4	0.75	20	0.11	0,16	•	•
SS25UL-5	1/4	6,3	0.58	14,8	350	2,4	1	25	0.13	0,19	•	•
SS25UL-6	5/16	8	0.68	17,2	350	2,4	1-1/4	30	0.18	0,27	•	•
SS25UL-8	13/32	10	0.77	19,5	350	2,4	1-3/4	45	0.21	0,31	•	•
SS25UL-10	1/2	12,5	0.92	23,4	350	2,4	2-1/4	55	0.29	0,43	•	•
SS25UL-12	5/8	16	1.08	27,4	350	2,4	2-3/4	70	0.37	0,55	•	•

Application: Liquefied petroleum gas (LPG).

Inner Tube: Synthetic rubber.

Reinforcement: One fiber braid and one stainless steel wire braid.

Cover: Fiber braid.

Temperature Range: -40°F to +250°F (-40°C to +121°C).

Fittings: 20 Series - pg. B-125.
22 Series - pg. B-143.

- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

293

Transportation – Air Brake Hose

SAE J1402 AI / D.O.T. FMVSS 106-AI-AIR BRAKE

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating inches of Hg	Vacuum Rating kPa	Parkrimp 26 Series	Field Attachable 21/23 Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m				
293-4	3/16	5	0.49	12,5	500	3,5	1/2	15	0.10	0,15	28	95	•	•
293-6	5/16	8	0.62	15,7	500	3,5	1	25	0.15	0,22	28	95	•	•
293-8	13/32	10	0.74	18,7	500	3,5	1-1/2	40	0.18	0,27	28	95	•	•
293-10	1/2	12,5	0.83	21,1	450	3,1	2	50	0.20	0,30	28	95	•	•
293-12	5/8	16	0.96	24,3	450	3,1	2-1/2	65	0.22	0,33	28	95	•	•
293-16	7/8	22	1.21	30,6	450	3,1	3-1/4	80	0.25	0,37	20	68	•	•

Application: Petroleum base hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions.

Inner Tube: PKR®.

Reinforcement: One fiber braid.

Cover: Abrasion resistant nylon fiber braid.

Temperature Range: -58°F to +302°F (-50°C to +150°C).

Fittings: 26 Series - pg. B-9.
21 Series - pg. B-135.
23 Series - pg. B-147.

221FR

Transportation – Marine Fuel and Engine Hose

SAE J1527 TYPE A CLASS I, USCG SAE J1942

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating inches of Hg	Vacuum Rating kPa	Parkrimp 26 Series	Field Attachable 20/22 Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m				
221FR-5	1/4	6,3	0.58	15	500	3,5	1	25	0.19	0,28	24	81	•	•
221FR-6	5/16	8	0.68	17	500	3,5	1-1/4	30	0.23	0,34	24	81	•	•
221FR-8	13/32	10	0.77	20	500	3,5	1-3/4	45	0.28	0,42	24	81	•	•
221FR-10	1/2	12,5	0.92	23	500	3,5	2-1/4	55	0.39	0,58	20	68	•	•
221FR-12	5/8	16	1.08	27	500	3,5	2-3/4	70	0.41	0,61	20	68	•	•
221FR-16	7/8	22	1.23	31	500	3,5	3-1/2	90	0.47	0,70	20	68	•	•

ISO 7840 with 26 Series fittings ONLY.

Application: Gasoline, ethanol blends, diesel fuels, petroleum base hydraulic fluids, and lubricating oils.

Inner Tube: Synthetic rubber.

Reinforcement: One braid steel wire.

Cover: Synthetic rubber, blue.

Temperature Range: -4°F to +212°F (-20°C to +100°C).

Fittings: 26 Series - pg. B-9.
20 Series - pg. B-125.
22 Series - pg. B-143.

- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

213

Transportation

SAE J1402 AI / D.O.T. FMVSS 106 AI - AIR BRAKE

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series	21/23 Series
213-4	3/16	5	0.49	12,5	2000	14	3/4	20	0.12	0,18	28	95	•	•
213-5	1/4	6,3	0.55	14	1500	10,5	1	25	0.14	0,21	28	95	•	•
213-6	5/16	8	0.62	16	1500	10,5	1-1/4	30	0.17	0,25	28	95	•	•
213-8	13/32	10	0.74	19	1250	8,7	1-3/4	45	0.20	0,30	28	95	•	•
213-10	1/2	12,5	0.83	21	1000	7	2-1/4	55	0.22	0,33	28	95	•	•
213-12	5/8	16	0.96	24	750	5,2	2-3/4	70	0.24	0,36	28	95	•	•
213-16	7/8	22	1.21	31	400	2,8	3-1/2	90	0.30	0,45	20	68	•	•
213-20	1-1/8	29	1.49	38	300	2,1	4-1/2	115	0.44	0,65	20	68	•	•
213-24	1-3/8	35	1.73	44	300	2,1	7-1/2	190	0.52	0,77	15	51	•	•
213-32	1-13/16	46	2.14	54	200	1,4	14	355	0.67	1,00	11	37	•	•
213-40	2-3/8	61	2.88	73	175	1,2	24	610	1.31	1,95	11	64	•	•

NOTE: Due to fitting size, this is a factory crimp only.

Application: Petroleum base hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions.

Inner Tube: PKR®.

Reinforcement: One fiber braid and one steel braid.

Cover: Fiber braid.

Temperature Range: -50°F to +302°F (-45°C to +150°C).

Fittings: 26 Series - pg. B-9.
21 Series - pg. B-135.
23 Series - pg. B-147.

266

Transportation

SAE J1402 AII / D.O.T. FMVSS 106 AII - AIR BRAKE

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series	20/22 Series
266-4	3/16	5	0.52	13,2	2000	14	3/4	20	0.15	0,22	28	95	•	•
266-5	1/4	6,3	0.58	14,8	1500	10,5	1	25	0.16	0,24	28	95	•	•
266-6	5/16	8	0.68	17,2	1500	10,5	1-1/4	30	0.23	0,34	28	95	•	•
266-8	13/32	10	0.77	19,5	1250	8,7	1-3/4	45	0.26	0,39	28	95	•	•
266-10	1/2	12,5	0.92	23,4	1250	8,7	2-1/4	55	0.38	0,56	28	95	•	•
266-12	5/8	16	10.8	27,4	750	5,2	2-3/4	70	0.42	0,63	20	68	•	•
266-16	7/8	22	1.24	31,4	400	2,8	3-1/2	90	0.48	0,71	15	51	•	•
266-20	1-1/8	29	1.50	38,4	300	2,1	4-1/2	115	0.51	0,76	15	51	•	•
266-24	1-3/8	35	1.75	44,5	250	1,7	5-1/2	140	0.68	1,01	11	37	•	•

Application: Petroleum base hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions.

Inner Tube: PKR®.

Reinforcement: One fiber braid and one steel braid.

Cover: Fiber braid.

Temperature Range: -55°F to +302°F (-48°C to +150°C).

Fittings: 26 Series - pg. B-9.
20 Series - pg. B-125.
22 Series - pg. B-143.

- See page E-5 for charted effects temperature has on maximum working pressures of 201, 206, 213, and 266 hose.
- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

201

Transportation

SAE 100R5 SAE J1402 AII, D.O.T. FMVSS 106 AII - AIR BRAKE

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series	20/22 Series
201-4	3/16	5	0.52	13	3000	21	3	75	0.15	0,22	28	95	•	•
201-5	1/4	6,3	0.58	15	3000	21	3-3/8	85	0.18	0,27	28	95	•	•
201-6	5/16	8	0.68	17	2250	15,7	4	100	0.23	0,34	28	95	•	•
201-8	13/32	10	0.77	20	2000	14	4-1/2	115	0.27	0,40	28	95	•	•
201-10	1/2	12,5	0.92	23	1750	12,2	5-1/2	140	0.37	0,55	28	95	•	•
201-12	5/8	16	1.08	27	1500	10,5	6-1/2	165	0.40	0,60	28	95	•	•
201-16	7/8	22	1.23	31	800	5,6	7-3/8	185	0.46	0,68	20	68	•	•
201-20	1-1/8	29	1.50	38	625	4,3	9	230	0.51	0,76	20	68	•	•
201-24	1-3/8	35	1.75	44	500	3,5	10-1/2	265	0.68	1,01	15	51	•	•
201-32	1-13/16	46	2.22	56	350	2,4	13-1/4	335	0.89	1,32	11	37	•	•
201-40	2-3/8	60	2.88	73	350	2,4	24	610	1.31	1,95	11	37	•	•
201-48	3	76	3.56	90	200	1,4	33	840	2.09	3,11	11	37		•

Application: Petroleum base hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions.

Inner Tube: Synthetic rubber.

Reinforcement: One fiber braid and one steel braid.

Cover: Fiber braid.

Temperature Range: -40°F to +302°F (-40°C to +150°C).

Fittings: 26 Series - pg. B-9.
20 Series - pg. B-125.
22 Series - pg. B-143.

206

Transportation

SAE 100R5 SAE J1402 AII, D.O.T. FMVSS 106 AII - AIR BRAKE

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series	20/22 Series
206-4	3/16	5	0.52	13	3000	21	3	75	0.15	0,22	28	95	•	•
206-5	1/4	6,3	0.58	15	3000	21	3-3/8	85	0.18	0,27	28	95	•	•
206-6	5/16	8	0.68	17	2250	15,7	3-1/2	90	0.23	0,34	28	95	•	•
206-8	13/32	10	0.77	20	2000	14	3-1/2	90	0.27	0,40	28	95	•	•
206-10	1/2	12,5	0.92	23	1750	12,2	4	100	0.37	0,55	28	95	•	•
206-12	5/8	16	1.08	27	1500	10,5	4	100	0.40	0,60	28	95	•	•
206-16	7/8	22	1.23	31	800	5,6	4	100	0.46	0,68	20	68	•	•
206-20	1-1/8	29	1.50	38	625	4,3	5-1/2	140	0.51	0,76	20	68	•	•
206-24	1-3/8	35	1.75	44	500	3,5	7-1/2	190	0.68	1,01	15	51	•	•
206-32	1-13/16	46	2.22	56	350	2,4	13-1/4	335	0.89	1,32	11	37	•	•
206-40	2-3/8	60	2.88	73	350	2,4	24	610	1.31	1,95	11	37	•	•

Application: Petroleum base hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions.

Inner Tube: PKR®.

Reinforcement: One fiber braid and one steel braid.

Cover: Fiber braid, blue.

Temperature Range: -55°F to +302°F (-48°C to +150°C).

Fittings: 26 Series - pg. B-9.
20 Series - pg. B-125.
22 Series - pg. B-143.

- See page E-5 for charted effects temperature has on maximum working pressures of 201, 206, 213, and 266 hose.
- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

225

Transportation

SAE 100R5 Performance with Rubber Cover

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series	20/22 Series
225-4	3/16	5	0.52	13	3000	21	3	75	0.15	0,22	28	95	•	•
225-5	1/4	6,3	0.58	15	3000	21	3-3/8	85	0.18	0,27	28	95	•	•
225-6	5/16	8	0.68	17	2250	15,7	4	100	0.23	0,34	28	95	•	•
225-8	13/32	10	0.77	20	2000	14	4-1/2	115	0.27	0.4	28	95	•	•
225-10	1/2	12,5	0.92	23	1750	12,2	5-1/2	140	0.37	0,55	28	95	•	•
225-12	5/8	16	1.08	27	1500	10,5	6-1/2	165	0.40	0,60	28	95	•	•
225-16	7/8	22	1.23	31	800	5,6	7-3/8	185	0.46	0,68	20	68	•	•
225-20	1-1/8	29	1.50	38	625	4,3	9	230	0.51	0,76	20	68	•	•
225-24	1-3/8	35	1.75	44	500	3,5	10-1/2	265	0.68	1,01	15	51	•	•
225-32	1-13/16	46	2.22	56	350	2,4	13-1/4	335	0.89	1,32	11	37	•	•

Application: Petroleum base hydraulic fluids and lubricating oils, diesel fuels and antifreeze solutions.

Inner Tube: Synthetic rubber.

Reinforcement: One fiber braid and one steel braid.

Cover: Synthetic rubber, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 26 Series - pg. B-9.
20 Series - pg. B-125.
22 Series - pg. B-143.

- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

285

Refrigerant

SAE J2064 TYPE C

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series	21/23 Series
285-4	3/16	5	0.49	11,7	500	3,4	1	25	0.09	0,14	28	95	•	•
285-6	5/16	8	0.62	15,7	500	3,4	1-1/2	40	0.12	0.18	28	95	•	•
285-8	13/32	10	0.74	18,8	500	3,4	2	50	0.17	0.25	28	95	•	•
285-10	1/2	12,5	0.83	21,1	500	3,4	2-1/2	65	0.18	0.27	28	95	•	•
285-12	5/8	16	0.96	24,4	500	3,4	3	75	0.23	0.34	28	95	•	•

Application: Refrigerant 134a.

Inner Tube: Synthetic rubber with nylon barrier.

Reinforcement: One fiber braid.

Cover: Synthetic rubber.

Temperature Range: -22°F to +257°F (-30°C to +125°C).

Fittings: 26 Series - pg. B-9.
21 Series - pg. B-135.
23 Series - pg. B-147.

244

Refrigerant

SAE J2064 TYPE B, CLASS I

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	26 Series
244-16	7/8	22	1.23	31	500	3,5	7-1/2	190	0.51	0,76	28	95	•
244-20	1-1/8	29	1.50	38	500	3,5	9	230	0.56	0,83	28	95	•
244-24	1-3/8	35	1.75	44	350	2,4	10-1/2	270	0.62	0,92	28	95	•

Application: Refrigerant 134a.

Inner Tube: Butyl rubber.

Reinforcement: One braid steel wire.

Cover: Fiber braid.

Temperature Range: -22°F to +257°F (-30°C to +125°C).

Fittings: 26 Series - pg. B-9.

- See Section B for Field Attachable Assembly Instructions.
- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Visual Index

Fittings

FITTINGS

Parkrimp (crimp) Series

Field Attachable Series

Visit www.parkerhose.com for 3D CAD drawings.

NPTF

Seal-Lok®

Parkrimp (crimp) Series of Fittings

25 Series B-5
26 Series B-9
43 Series B-27
70 Series B-57
71 Series B-67
73 Series B-81
76 Series B-90
78 Series B-92
S6 Series B-93
79 Series B-105
HY Series B-110
81 Series B-181

Field Attachable Series of Fittings

20 Series B-125
21 Series B-135
22 Series B-143
23 Series B-147
30 Series B-151
42 Series B-157
82 Series B-164
88 Series B-181
TB Series B-187

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

How to Read the Fittings Section

With more than 750 end configurations, Parker's brass, stainless steel and Chromium-6 free plated steel fittings include O-ring face seal, flare, straight thread, pipe and metric designs, in both crimp and field attachable styles. (Along with Parker hose, all fittings have been tested and approved, and meet stringent industry standards worldwide.) Fitting page content is defined by the information shown below. Please take a moment and review.

How to Select Parkrimp Hose Fittings

Example: 1JC43-12-8C

- 1JC43-12-8C - Fitting (**1**=Crimp, 2=Field attachable, 3=Push-Lok, Blank=Nipple with clamp)
- 1**JC**43-12-8C - End Connection
- 1JC**43**-12-8C - Fitting Series
- 1JC43-**12**-8C - Size of Fitting End Connection
- 1JC43-12-**8**C - Hose Size
- 1JC43-12-8**C** - Fitting Material
  - No Suffix = Steel
  - B = Brass
  - C = 316 Stainless Steel
  - BA = Brass Nipple with Steel Nut and Socket
  - BS = Brass Nipple with Brass nut and Socket
  - SM = Metric Index

"A" Dimension
Overall Length

Hex size
Use to determine the wrench size

Hose Inner Diameter
Measured in 1/16 inch increments identified by use of a "dash"(-) numbering system. i.e., 4/16" = 1/4" = -4.

"B" Dimension
(Cutoff Allowance) Dimension used to determine cut length (C.L.) of hose when making a hose assembly

Lists approved hoses for fitting series

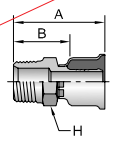
Fitting Information
Base part number and end connection description

Catalog 4400 US
Pipe / JIC

26 Series Fittings
Use with 201, 206, 213, 221FR, 225, 244, 266, 285, 293, SS23CG hoses.

10126
Male NPTF Pipe - Rigid - Straight

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	H mm	B inch	B mm	Additional Material Brass
10126-2-4	1/8x27	3/16	1.65	42	7/16	0.78	0.78	20	
10126-4-4	1/4x18	3/16	1.88	48	9/16	1.01	1.01	26	
10126-4-5	1/4x18	1/4	1.88	48	9/16	1.01	1.01	26	
10126-4-6	1/4x18	5/16	1.88	48	3/4	1.02	1.02	26	•
10126-6-6	3/8x18	5/16	1.89	48	11/16	1.03	1.03	26	•
10126-6-8	3/8x18	13/32	1.89	48	11/16	1.03	1.03	26	
10126-8-8	1/2x14	13/32	2.14	54	7/8	1.28	1.28	33	•
10126-8-10	1/2x14	1/2	2.25	57	7/8	1.30	1.30	33	•
10126-12-12	3/4x14	5/8	2.31	59	1-1/16	1.37	1.37	35	•
10126-16-16	1x11-1/2	7/8	2.61	66	1-3/8	1.57	1.57	40	
10126-20-20	1-1/4x11-1/2	1-1/8	2.83	72	1-3/4	1.77	1.77	45	
10126-24-24	1-1/2x11-1/2	1-3/8	3.01	76	2	1.93	1.93	49	
10126-32-32	2x11-1/2	1-13/16	3.44	87	2-1/2	2.18	2.18	55	



Standard material for fittings is steel. For additional material, refer to column

A

Fittings 26 Series
B

Indicates Fitting Section

Continued on next page

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

How to Read the Fittings Section

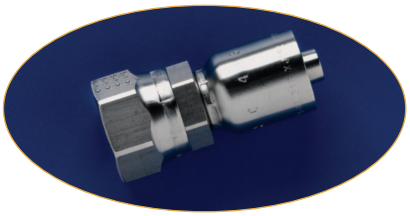
Continued from previous page

How to Select Parkrimp Hose Fittings

Example: 1JC43-12-8C

1JC43-12-8C - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
1JC43-12-8C - End connection (In this case, a female Seal-Lok – swivel – straight)
1JC43-12-8C - Fitting series
1JC43-12-8C - Size of fitting end connection (In this case, 12/16" or 3/4")
1JC43-12-8C - Hose size (In this case, 8/16" or 1/2")
1JC43-12-8C - Fitting material:

No Suffix = Steel
B = Brass
C = 316 Stainless Steel
BA = Brass Nipple with Steel Nut and Socket
BS = Brass Nipple with Brass Nut and Socket
SM = Metric Hex



How to Select Two-Piece Field Attachable Fittings

When selecting a two-piece field attachable fitting, the fitting part number (found in Section B of this catalog) needs to be broken down into two distinct numbers for the nipple and the socket.

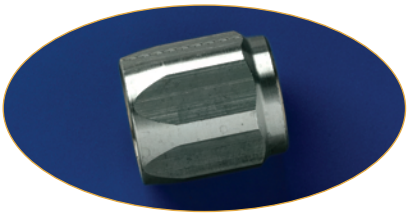
Example: 20120-16-16B

Socket Part Number

Example: 20020-16B

20020-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
20020-16B - End connection ("00" represents that it is a socket)
20020-16B - Fitting series
20020-16B - Hose size (In this case, 16/16" or 1")
20020-16B - Fitting material:

No Suffix = Steel
B = Brass
C = 316 Stainless Steel
BA = Brass Nipple with Steel Nut and Socket
BS = Brass Nipple with Brass Nut and Socket
SM = Metric Index



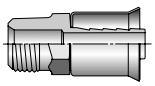
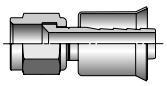
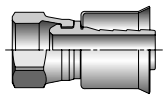
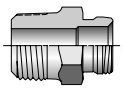
Nipple Part Number

Example: 0120-16-16B

0120-16-16B - Fitting (1 = Crimp, 2 = Field Attachable, 3 = Push-Lok, Blank = Nipple with clamp or shell)
0120-16-16B - End connection (In this case, a male NPTF Pipe – rigid – straight)
0120-16-16B - Fitting series
0120-16-16B - Size of fitting end connection (In this case, 16/16" or 1")
0120-16-16B - Hose size (In this case, 16/16" or 1")
0120-16-16B - Fitting material:

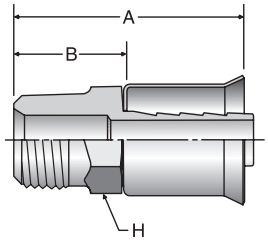
No Suffix = Steel
B = Brass
C = 316 Stainless Steel
BA = Brass Nipple with Steel Nut and Socket
BS = Brass Nipple with Brass Nut and Socket
SM = Metric Index

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Flange	10125 B-6  *Rigid*	10825 B-6  *Swivel*	17B25 B-6  *Swivel*	017M B-6  *Swivel*	B-7 *Assembly Instructions*

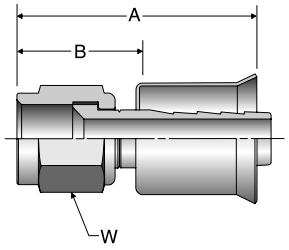
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10125
Male NPTF Pipe - Rigid



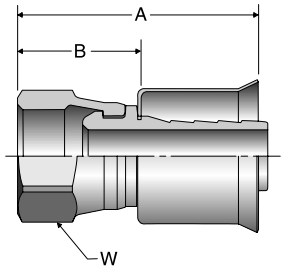
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10125-6-6B-VS	3/8X18	3/8	1.72	44	11/16	1.00	25
10125-6-8B-VS	3/8X18	1/2	1.72	44	11/16	1.00	25
10125-8-6B-VS	1/2X14	3/8	2.05	52	7/8	1.33	34
10125-8-8B-VS	1/2X14	1/2	2.05	52	7/8	1.33	34

10825
Female SAE 45° - Swivel



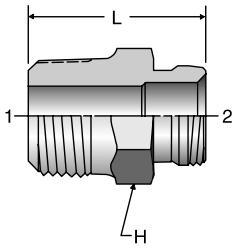
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10825-6-6B	5/8X18	3/8	1.82	46	3/4	1.10	28
10825-6-8B	3/4X16	3/8	1.80	46	7/8	1.08	27
10825-8-8B	3/4x16	1/2	1.95	50	7/8	1.22	31

17B25
Female Air Brake Jounce Line - Swivel - Straight



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
17B25-8-6B	3/4X20	3/8	1.59	40	7/8	0.87	22
17B25-8-8B	3/4x20	1/2	1.59	40	7/8	0.87	22

017M
Air Brake Adapter



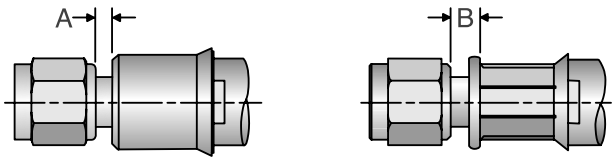
# Part Number	Thread End 1 NPTF inch		Thread End 2 UNEFinch		L inch	L mm	H inch
017M-6-8B	6	3/8X18	8	3/4X20	1.13	29	3/4
017M-8-8B	8	1/2X14	8	3/4X20	1.33	34	7/8

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Assembly Instructions

1. On the 08 end configurations only, the use of a mandrel is required. This mandrel is designed to set the proper gap between the nut and the shell. To match the correct fitting with the proper mandrel part number refer to the table below.

2. The assembly mandrels can be used with a common bench vise or on the TH2-7 push-on stand. Refer to Bulletin 4480-T13-USA for push-on stand instructions.
3. When using a common bench vise, place the mandrel in the vise, put the fitting on the mandrel (nut first) then push on the hose until it bottoms. Visually check the sight hole on the side of the shell to assure that the hose is fully inserted.
4. Remove mandrel from fitting and check for proper gap between nut and shell. (See table below).
5. Now crimp the fitting onto the hose. Refer to CrimpSource for correct crimp dies and crimping dimensions.
6. Check for proper gap between nut and shell after crimp. (See table below)



BEFORE CRIMP AFTER CRIMP

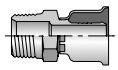
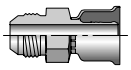
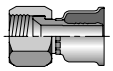
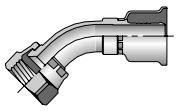
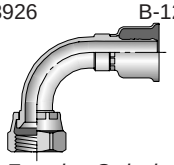
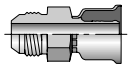
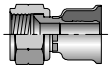
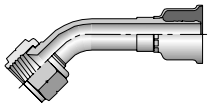
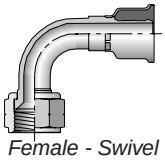
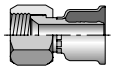
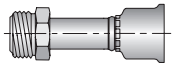
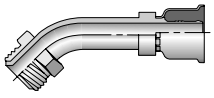
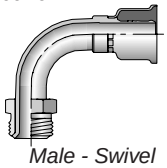
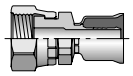
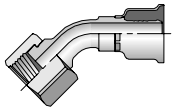
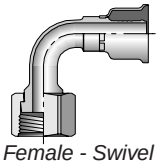
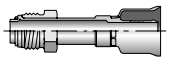
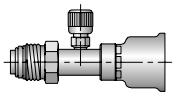
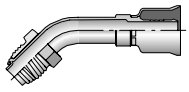
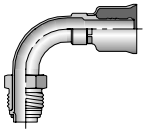
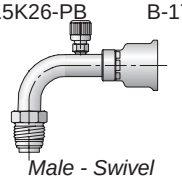
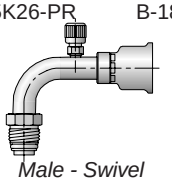
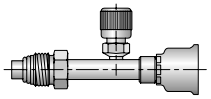
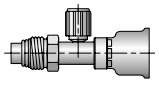
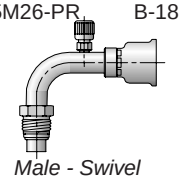
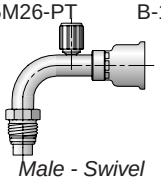
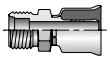
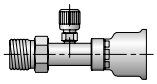
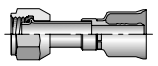
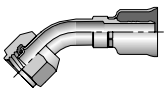
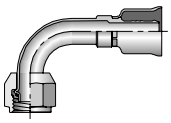
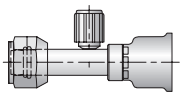
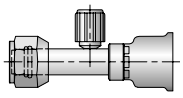
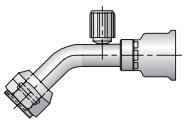
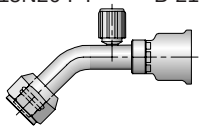
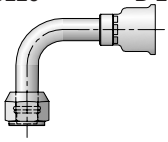
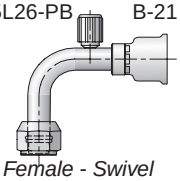
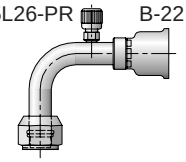
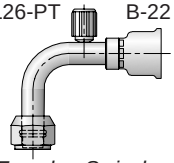
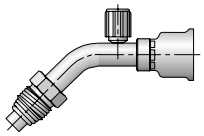
NOTE: B dimension is measured from the back of the fully-seated nut to the start of the crimp length. The nut must be free to swivel after crimping of the shell.

Fitting Part Number	A Length		B Length		Required Assembly Mandrel
	mm	inch	mm	inch	
10825-6-6B	3,805,85	0.1500.230	8,0011,80	0.3150.465	TH2-7M25-6
10825-8-8B	3,805,85	0.1500.230	8,0011,80	0.3150.465	TH2-7M25-8

7. For all other 25 series fittings, use of mandrel is not necessary. Push fitting onto hose until it bottoms. Visually check sight hole on the side of the shell to assure that the hose is fully inserted.

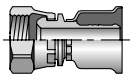
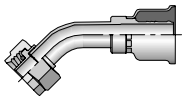
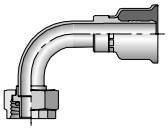
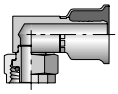
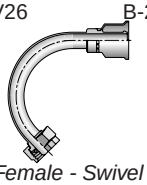
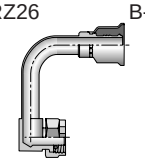
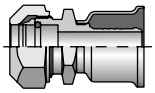
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	10126 B-11  *Male - Rigid*	**JIC 37°**	10326 B-11  *Male - Rigid*	10626 B-12  *Female - Swivel*	13726 B-12  *Female - Swivel 45° Elbow - Short*
13926 B-12  *Female - Swivel 90° Elbow - Short*	14126 B-13 *Female - Swivel 90° Elbow - Long*	**SAE 45°**	10426 B-13  *Male - Rigid*	10826 B-13  *Female - Swivel*	17726 B-13  *Female - Swivel 45° Elbow*
17926 B-14  *Female - Swivel 90° Elbow*	**JIC 37°/ SAE 45° Dual Flare**	16826 B-14  *Female - Swivel*	**Inverted Flare**	12826 B-14  *Male - Swivel*	16726 B-15  *Male - Swivel 45° Elbow*
16926 B-15  *Male - Swivel 90° Elbow*	**Seal-Lok® (O-Ring Face Seal)**	1JC26 B-15  *Female - Swivel Short*	1J726 B-16  *Female - Swivel 45° Elbow*	1J926 B-16  *Female - Swivel 90° Elbow - Short*	**Tube-O**
1S526 B-16  *Male - Swivel Short Pilot*	1S526-PR B-17  *Male - Swivel Short Pilot*	15R26 B-17  *Male - Swivel 45° Elbow - Short Pilot*	15K26 B-17  *Male - Swivel 90° Elbow - Short Pilot*	15K26-PB B-17  *Male - Swivel 90° Elbow - Short Pilot*	15K26-PR B-18  *Male - Swivel 90° Elbow - Short Pilot*
14526-PR B-18  *Male - Swivel Long Pilot*	14526-PT B-18  *Male - Swivel Long Pilot*	15M26-PR B-18  *Male - Swivel 90° Elbow - Long Pilot*	15M26-PT B-19  *Male - Swivel 90° Elbow - Long Pilot*	15G26 B-19  *Male - Rigid Internal - Long Pilot*	15G26-PR B-19  *Male - Rigid Internal - Long Pilot*
15S26 B-19  *Female - Swivel Short Pilot*	15H26 B-20  *Female - Swivel 45° Elbow - Short Pilot*	15T26 B-20  *Female - Swivel 90° Elbow - Short Pilot*	15926-PB B-20  *Female - Swivel Long Pilot*	15926-PT B-20  *Female - Swivel Long Pilot*	15N26-PB B-21  *Female - Swivel 45° Elbow - Long Pilot*
15N26-PT B-21  *Female - Swivel 45° Elbow - Long Pilot*	15L26 B-21  *Female - Swivel 90° Elbow - Long Pilot*	15L26-PB B-21  *Female - Swivel 90° Elbow - Long Pilot*	15L26-PR B-22  *Female - Swivel 90° Elbow - Long Pilot*	15L26-PT B-22  *Female - Swivel 90° Elbow - Long Pilot*	15P26-PT B-22  *Male - Swivel 45° Elbow - Long Pilot*

Continued

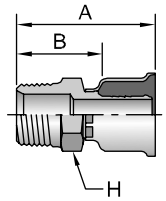
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Air Brake Jounce Line	17B26 B-22  *Female - Swivel*	***Compressor***	15V26 B-23  *Female - Swivel 45˚ Elbow*	15W26 B-23  *Female - Swivel 90˚ Elbow*	15Z26 B-23  *Female - Swivel 90˚ Elbow - Block Type*
1RV26 B-23  *Female - Swivel 135˚ Elbow*	1RZ26 B-24  *Female - Swivel 180˚ Elbow*	***Refrigerant Tube Mender***	1T126 B-24  *Male (w/Nut & Ferrule)*	1T126 B-25 *Fitting Assembly Instructions*	

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

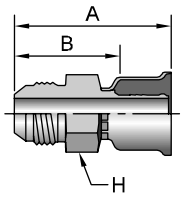
10126
Male NPTF Pipe - Rigid

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	H mm	B inch	B mm	Additional Material Brass (B)
10126-2-4	1/8x27	3/16	1.65	42	7/16	0.78	0.78	20	
10126-4-4	1/4x18	3/16	1.88	48	9/16	1.01	1.01	26	
10126-4-5	1/4x18	1/4	1.88	48	9/16	1.01	1.01	26	
10126-4-6	1/4x18	5/16	1.88	48	3/4	1.02	1.02	26	•
10126-6-6	3/8x18	5/16	1.89	48	11/16	1.03	1.03	26	•
10126-6-8	3/8x18	13/32	1.89	48	11/16	1.03	1.03	26	•
10126-8-8	1/2x14	13/32	2.14	54	7/8	1.28	1.28	33	•
10126-8-10	1/2x14	1/2	2.25	57	7/8	1.30	1.30	33	•
10126-12-12	3/4x14	5/8	2.31	59	1-1/16	1.37	1.37	35	•
10126-16-16	1x11-1/2	7/8	2.61	66	1-3/8	1.57	1.57	40	
10126-20-20	1-1/4x11-1/2	1-1/8	2.83	72	1-3/4	1.77	1.77	45	
10126-24-24	1-1/2x11-1/2	1-3/8	3.01	76	2	1.93	1.93	49	
10126-32-32	2x11-1/2	1-13/16	3.44	87	2-1/2	2.18	2.18	55	



10326
Male JIC 37˚ - Rigid

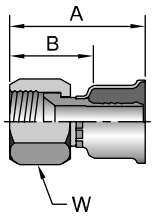
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	H mm	B inch	B mm	Additional Material Brass (B)
10326-4-4	1/4	7/16x20	3/16	2.02	50	1/2	1.15	1.15	29	•
10326-6-6	3/8	9/16x18	5/16	2.12	54	3/4	1.26	1.26	32	•
10326-8-8	1/2	3/4X16	13/32	1.94	49	13/16	1.08	1.08	27	•
10326-10-10	5/8	7/8X14	1/2	2.49	64	15/16	1.54	1.54	39	•
10326-16-16	1	1-5/16x12	7/8	2.79	71	1-3/8	1.75	1.75	44	



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10626

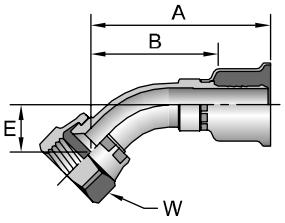
Female JIC 37˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm	Additional Material Brass (B)
10626-6-6	3/8	9/16x18	5/16	1.81	45	11/16	0.95	23	•
10626-6-8	3/8	9/16x18	13/32	1.67	52	11/16	1.19	30	•
10626-12-12	3/4	1-1/16x12	5/8	2.29	58	1-1/4	1.35	34	•
10626-16-16	1	1-5/16x12	7/8	2.53	64	1-1/2	1.49	38	•
10626-20-20	1-1/4	1-5/8x12	1-1/8	2.56	65	2	1.50	38	•
10626-24-24	1-1/2	1-7/8x12	1-3/8	2.77	70	2-1/4	1.69	43	
10626-32-32	2	2-1/2x12	1-13/16	3.30	84	2-7/8	2.04	52	

13726

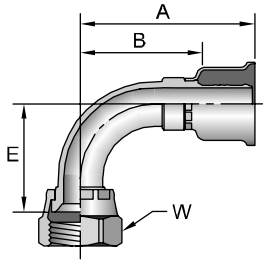
Female JIC 37˚ - Swivel - 45° Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13726-4-4	1/4	7/16x20	3/16	2.01	51	0.39	10	9/16	1.14	29
13726-6-6	3/8	9/16x18	5/16	2.72	69	0.43	11	11/16	1.86	47
13726-8-8	1/2	3/4x16	13/32	2.82	72	0.55	14	7/8	1.96	50
13726-10-10	5/8	7/8x14	1/2	2.96	75	0.63	16	1	2.01	51
13726-12-12	3/4	1-1/16x12	5/8	3.44	87	0.83	21	1-1/4	2.50	63
13726-16-16	1	1-5/16x12	7/8	3.34	85	0.90	23	1-1/2	2.30	58
13726-20-20	1-1/4	1-5/8x12	1-1/8	3.74	95	1.18	30	2	2.68	68
13726-24-24	1-1/2	1-7/8x12	1-3/8	3.92	100	1.16	29	2-1/4	2.84	72

13926

Female JIC 37˚ - Swivel - 90° Elbow - Short Drop

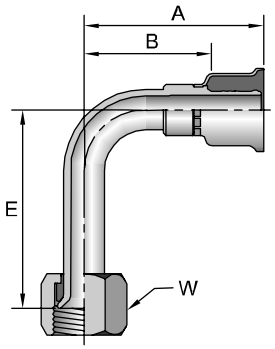


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13926-4-4	1/4	7/16x20	3/16	1.82	46	0.83	21	9/16	0.95	24
13926-6-6	3/8	9/16x18	5/16	2.15	55	0.91	23	11/16	1.29	33
13926-8-8	1/2	3/4x16	13/32	2.22	56	1.09	28	7/8	1.36	35
13926-10-10	5/8	7/8x14	1/2	2.23	57	1.26	32	1	1.28	33
13926-10-12	5/8	7/8x14	5/8	2.52	64	1.23	31	1	1.58	40
13926-12-12	3/4	1-1/16x12	5/8	2.28	58	1.82	46	1-1/4	1.30	34
13926-16-16	1	1-5/16x12	7/8	3.30	84	2.14	54	1-1/2	2.26	57
13926-20-20	1-1/4	1-5/8x12	1-1/8	3.60	91	2.57	65	2	2.53	65
13926-24-24	1-1/2	1-7/8x12	1-3/8	3.92	100	2.82	72	2-1/4	2.84	72

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

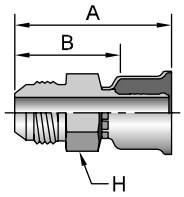
14126
Female JIC 37° - Swivel - 90° Elbow - Long Drop

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
14126-4-4	1/4	7/16x20	1/4	2.05	52	1.81	46	9/16	1.18	30
14126-6-6	3/8	9/16x18	5/16	2.02	51	2.13	54	11/16	1.16	29
14126-8-8	1/2	3/4X16	13/32	2.35	60	2.43	62	7/8	1.49	38
14126-10-10	5/8	7/8x14	1/2	2.11	54	2.76	70	1	1.16	29
14126-16-16	1	1-5/16x12	7/8	3.17	81	4.33	110	1-1/2	2.13	54



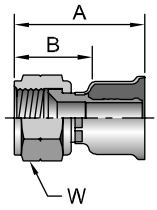
10426
Male SAE 45° - Rigid

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10426-4-4	1/4	7/16x20	3/16	1.97	50	1/2	1.18	28
10426-6-6	3/8	5/8x18	5/16	2.04	52	11/16	1.18	30



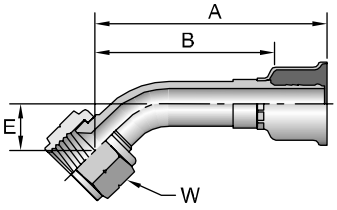
10826
Female SAE 45° - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm	Additional Material Brass (B)
10826-6-6	3/8	5/8x18	5/16	1.84	47	3/4	0.98	25	•
10826-10-8	5/8	7/8x14	13/32	2.21	56	1	1.35	34	
10826-10-10	5/8	7/8x14	1/2	2.13	54	1	1.18	30	
10826-12-12	3/4	1-1/16x14	5/8	2.19	56	1-1/4	1.25	32	•



17726
Female SAE 45° - Swivel - 45˚ Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
17726-4-4	1/4	7/16x20	3/16	2.29	58	0.39	10	9/16	1.43	36
17726-6-6	3/8	5/8x18	5/16	2.72	69	0.43	11	11/16	1.86	47
17726-8-8	1/2	3/4x16	13/32	2.82	72	0.59	14	7/8	1.96	50
17726-10-10	5/8	7/8x14	1/2	2.96	75	0.63	16	1	2.01	51
17726-12-12	3/4	1-1/16x14	5/8	3.43	87	0.83	21	1-1/4	2.49	63

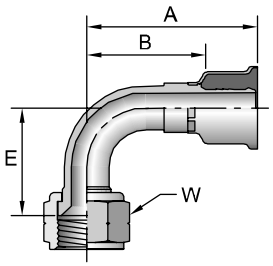


Notch on nut signifies SAE 45˚ flare fitting.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

17926

Female SAE 45˚ - Swivel - 90˚ Elbow

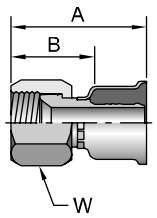


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
17926-4-4	1/4	7/16x20	3/16	1.75	44	0.83	21	9/16	0.89	23
17926-6-6	3/8	5/8x18	5/16	2.15	55	0.91	23	3/4	1.29	33
17926-8-8	1/2	3/4x16	13/32	2.31	58.7	1.00	25.4	7/8	1.45	37
17926-10-10	5/8	7/8x14	1/2	2.23	57	1.26	32	1	1.28	33
17926-12-12	3/4	1-1/16x14	5/8	2.28	58	1.82	46	1-1/4	1.34	34

Notch on nut signifies 45˚ flare fitting.

16826

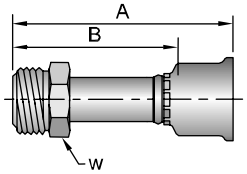
Female JIC 37˚ / SAE 45˚ - Dual Flare - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm	Additional Material Brass (B)
16826-4-4	1/4	7/16x20	3/16	1.67	42	9/16	0.80	20	•
16826-4-5	1/4	7/16x20	1/4	1.55	48	9/16	1.03	26	
16826-4-6	1/4	7/16x20	5/16	1.55	39	9/16	0.07	17	
16826-5-5	5/16	1/2x20	1/4	1.77	45	5/8	0.90	23	
16826-8-6	1/2	3/4x16	5/16	1.76	56	7/8	1.34	34	
16826-8-8	1/2	3/4x16	13/32	1.91	49	7/8	1.05	27	
16826-8-10	1/2	3/4x16	1/2	2.36	60	7/8	1.41	36	•
16826-10-10	5/8	7/8x14	1/2	2.17	55	1	1.23	31	•
16826-10-12	5/8	7/8x14	5/8	1.96	61	1	1.53	37	

12826

Male Inverted SAE 45˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
12826-4-4	1/4	7/16x24	3/16	2.43	62	7/16	1.56	40
12826-5-5	5/16	1/2x20	1/4	2.56	65	1/2	1.69	43
12826-6-6	3/8	5/8x18	5/16	2.87	73	5/8	2.01	51
12826-8-8	1/2	3/4x18	13/32	3.00	76	3/4	2.14	54
12826-10-10	5/8	7/8x18	1/2	3.17	81	7/8	2.22	56

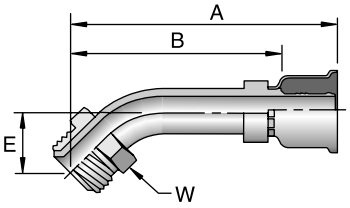
See Accessories Section for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16726

Male Inverted SAE 45° - Swivel - 45° Elbow

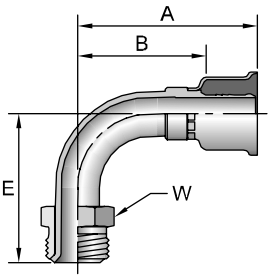
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
16726-4-4	1/4	7/16x24	3/16	2.20	56	0.63	16	7/16	1.33	34
16726-5-5	5/16	1/2x20	1/4	2.30	58	0.70	18	1/2	1.43	36
16726-6-6	3/8	5/8x18	5/16	2.55	65	0.87	22	5/8	1.69	43
16726-8-8	1/2	3/4x18	13/32	2.60	66	1.09	28	3/4	1.74	44



16926

Male Inverted SAE 45° - Swivel - 90° Elbow

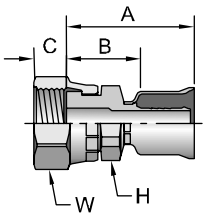
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
16926-4-4	1/4	7/16x24	3/16	2.27	58	1.56	40	7/16	1.40	36
16926-6-6	3/8	5/8x18	5/16	1.89	48	1.48	38	5/8	1.03	26
16926-8-8	1/2	3/4x18	13/32	2.25	57	1.88	48	3/4	1.39	35
16926-10-10	5/8	7/8x18	1/2	2.70	69	2.17	55	7/8	1.75	44



1JC26

Female Seal-Lok® - Swivel - Short

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	C inch	C mm	H inch	W inch	B inch	B mm
1JC26-4-4	1/4	9/16x18	3/16	1.66	42	0.31	8	9/16	11/16	0.79	20
1JC26-6-6	3/8	11/16x16	5/16	1.70	43	0.34	9	11/16	13/16	0.84	21
1JC26-8-8	1/2	13/16x16	13/32	1.76	45	0.43	11	13/16	15/16	0.90	23
1JC26-12-12	3/4	1-3/16x12	5/8	2.13	54	0.55	14	1-1/8	1-3/8	1.19	30
1JC26-16-16	1	1-7/16x12	7/8	2.39	61	0.56	14	1-3/8	1-5/8	1.35	34
1JC26-20-20	1-1/4	1-11/16x12	1-1/8	2.45	62	0.59	15	1-7/8	1-7/8	1.39	35

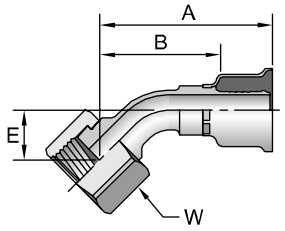


When measuring overall length to the end of the nut, B + C must be used to calculate cut-off allowance.
See Accessories Section for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J726

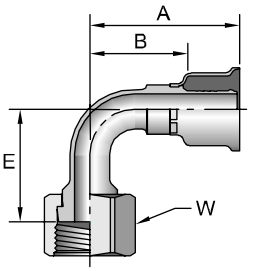
Female Seal-Lok® - Swivel - 45° Elbow



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J726-4-4	1/4	9/16x18	3/16	1.99	51	0.39	10	11/16	1.12	28
1J726-6-6	3/8	1-1/16x16	5/16	2.43	62	0.43	11	13/16	1.57	40
1J726-8-8	1/2	13/16x16	13/32	2.77	70	0.59	15	15/16	1.91	49
1J726-10-10	5/8	1x14	1/2	3.26	83	0.63	16	1-1/8	2.31	59
1J726-12-12	3/4	1-3/16x12	5/8	3.13	80	0.83	21	1-3/8	2.19	56
1J726-16-16	1	1-7/16x12	7/8	3.61	92	0.94	24	1-5/8	2.57	65
1J726-20-20	1-1/4	1-11/16x12	1-1/8	3.93	100	1.00	25	1-7/8	2.87	73

1J926

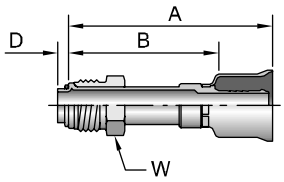
Female Seal-Lok® - Swivel - 90° Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J926-4-4	1/4	9/16x18	3/16	1.80	46	0.83	21	11/16	0.93	24
1J926-6-6	3/8	1-1/16x16	5/16	1.86	47	0.91	23	13/16	1.00	25
1J926-8-8	1/2	13/16X16	13/32	2.14	54	1.14	29	15/16	1.28	33
1J926-10-10	5/8	1x14	1/2	2.53	64	1.26	32	1-1/8	1.58	40
1J926-12-12	3/4	1-3/16x12	5/8	2.51	64	1.89	48	1-3/8	1.57	40
1J926-16-16	1	1-7/16X12	7/8	3.56	90	2.21	56	1-5/8	2.52	64
1J926-20-20	1-1/4	1-11/16X12	1-1/8	4.05	103	2.51	64	1-7/8	2.99	76

1S526

Male Tube-O - Swivel - Short Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	W inch	B inch	B mm
1S526-6-6	3/8	5/8x18	5/16	2.54	65	0.18	4,7	5/8	1.68	43
1S526-7-6	11/16	11/16x16	5/16	2.57	65	0.18	4,7	5/8	1.71	43
1S526-8-8	1/2	3/4x18	13/32	2.68	68	0.18	4,7	3/4	1.82	46
1S526-10-10	5/8	7/8x18	1/2	3.46	88	0.18	4,7	7/8	2.51	64
1S526-10-12	5/8	7/8x18	5/8	3.63	92	0.18	4,7	7/8	2.69	68
1S526-12-12	3/4	1-1/16x16	5/8	4.00	102	0.18	4,7	1-1/16	3.06	78

When measuring overall length to the end of the nut, B+D must be used to calculate cut-off allowance.

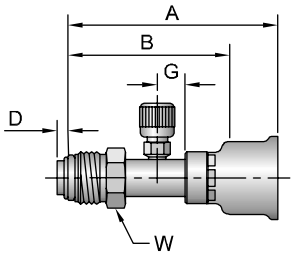
See Accessories Section for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1S526-PR

Male Tube-O - Swivel - Short Pilot with Charge Port for R12

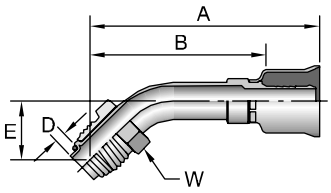
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
1S526-10-10-PR	5/8	7/8x18	1/2	3.52	89	0.18	4,7	0.47	12	7/8	2.57	65
1S526-10-12-PR	5/8	7/8x18	5/8	3.68	93	0.18	4,7	0.47	12	7/8	2.74	70



15R26

Male Tube-O - Swivel - 45° Elbow - Short Pilot

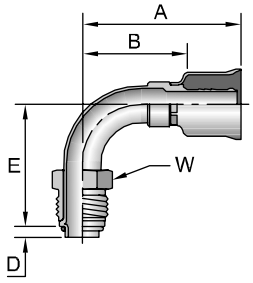
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
15R26-6-6	3/8	5/8x18	5/16	2.52	64	0.18	4,7	0.85	22	5/8	1.66	42
15R26-8-8	1/2	3/4x18	13/32	2.53	64	0.18	4,7	1.05	27	3/4	1.67	42
15R26-10-10	5/8	7/8x18	1/2	2.99	76	0.18	4,7	1.25	32	7/8	2.04	52
15R26-10-12	5/8	7/8x18	5/8	3.16	80	0.18	4,7	1.25	32	7/8	2.22	56



15K26

Male Tube-O - Swivel - 90° Elbow - Short Pilot

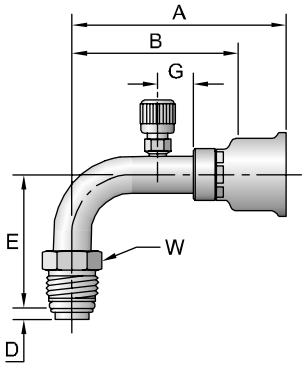
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
15K26-6-6	3/8	5/8X18	5/16	2.06	52	0.18	4,7	1.76	45	5/8	1.19	30
15K26-7-6	7/16	11/16x16	5/16	2.21	56	0.18	4,7	1.76	44	11/16	1.35	34
15K26-8-8	1/2	3/4x18	13/32	2.06	52	0.18	4,7	1.74	44	3/4	1.20	30
15K26-10-10	5/8	7/8x18	1/2	2.34	59	0.18	4,7	2.20	56	7/8	1.39	35
15K26-10-12	5/8	7/8x18	5/8	2.51	64	0.18	4,7	2.20	56	7/8	1.57	40



15K26-PB

Male Tube-O - Swivel - 90° Elbow - Short Pilot with High Pressure Charge Port for R134a

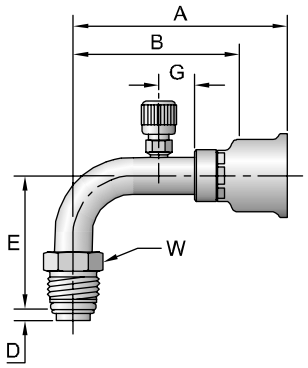
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15K26-8-8-PB	1/2	3/4x18	13/32	2.70	69	0.18	4,6	1.74	44	0.60	15	3/4	1.88	48



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15K26-PR

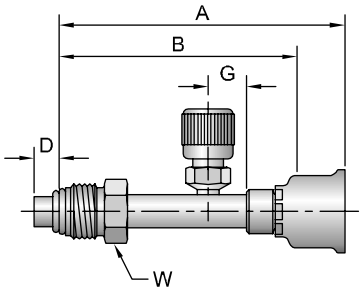
Male Tube-O - Swivel - 90˚ Elbow - Short Pilot with Charge Port for R12



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15K26-10-10-PR	5/8	7/8x18	1/2	3.14	80	0.18	4,7	2.25	57	0.60	15	7/8	2.19	56
15K26-10-12-PR	5/8	7/8x18	5/8	3.43	87	0.18	4,7	2.22	56	0.60	15	7/8	2.49	63

14526-PR

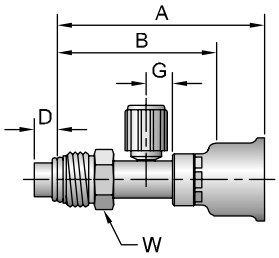
Male Tube-O - Swivel - Long Pilot With Charge Port for R12



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
14526-6-6-PR	3/8	5/8x18	5/16	3.25	83	0.28	7,1	0.50	13	5/8	2.40	61

14526-PT

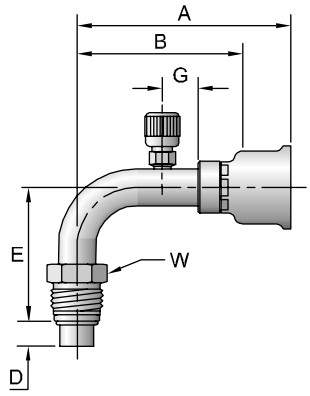
Male Tube-O - Swivel - Long Pilot With Charge Port for R134a



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
14526-10-12-PT	5/8	7/8x18	5/8	3.45	88	0.38	9,8	0.44	11	7/8	2.51	64

15M26-PR

Male Tube-O - Swivel - 90° Elbow - Long Pilot With Charge Port for R12

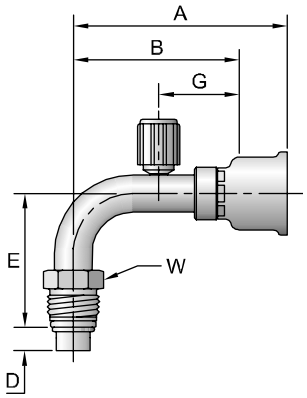


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15M26-6-6-PR	3/8	5/8x18	5/16	2.48	63	0.28	7,1	1.58	40	0.50	13	5/8	1.62	41

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15M26-PT

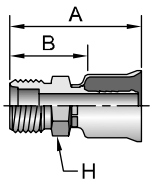
Male Tube-O - Swivel - 90° Elbow - Long Pilot With Charge Port for R134a



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15M26-10-12-PT	5/8	7/8x18	5/8	3.25	83	0.38	9,8	2.25	57	0.60	15	7/8	2.31	59

15G26

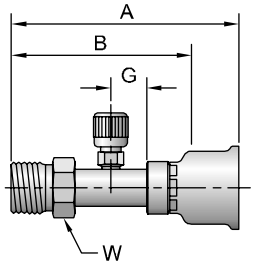
Male Tube-O - Rigid - Internal Long Pilot (3-Step)



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
15G26-6-6	3/8	5/8x18	3/8	1.78	45	0.625	0.92	23
15G26-8-8	1/2	3/4x16	13/32	1.95	50	3/4	1.09	28
15G26-10-10	5/8	7/8x14	1/2	4.05	103	7/8	3.10	79
15G26-10-12	5/8	7/8x14	5/8	2.19	56	0.875	1.25	32

15G26-PR

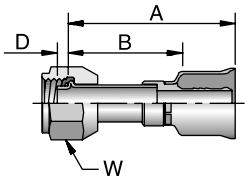
Male Tube-O - Rigid - Internal Long Pilot (3-Step) With Charge Port for R12



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	G inch	G mm	W inch	B inch	B mm
15G26-10-12-PR	5/8	7/8x14	5/8	4.27	108	0.60	15	7/8	3.33	85

15S26

Female Tube-O - Swivel - Short Pilot

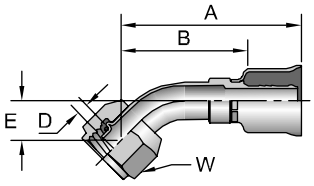


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	W inch	B inch	B mm
15S26-6-6	3/8	5/8x18	5/16	2.54	65	0.18	4,7	3/4	1.68	43
15S26-8-8	1/2	3/4x16	13/32	2.68	68	0.18	4,7	7/8	1.82	46
15S26-10-10	5/8	7/8x14	1/2	2.84	72	0.18	4,7	1-1/16	1.89	48
15S26-10-12	5/8	7/8x14	5/8	3.63	92	0.18	4,7	1-1/16	2.69	68
15S26-12-12	3/4	1-1/16x14	5/8	4.00	102	0.18	4,7	1-1/4	3.06	78

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15H26

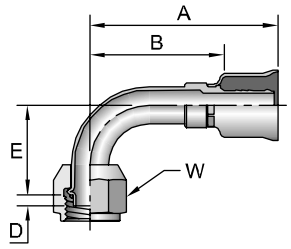
Female Tube-O - Swivel 45˚ Elbow - Short Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
15H26-6-6	3/8	5/8x18	5/16	2.35	60	0.18	4,7	0.54	14	3/4	1.49	38
15H26-8-8	1/2	3/4x16	13/32	2.48	63	0.18	4,7	0.60	15	7/8	1.62	41
15H26-10-10	5/8	7/8x14	1/2	3.23	82	0.18	4,7	0.67	17	1 1/16	2.28	58
15H26-10-12	5/8	7/8x14	3/4	3.43	87	0.18	4,7	0.67	17	1-1/16	2.46	62

15T26

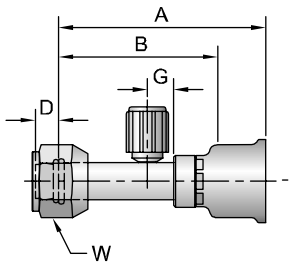
Female Tube-O - Swivel - 90˚ Elbow - Short Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
15T26-6-6	3/8	5/8x18	5/16	1.89	48	0.18	4,7	1.15	29	3/4	1.03	26
15T26-8-8	1/2	3/4x16	13/32	2.34	59	0.18	4,7	1.46	37	7/8	1.48	38
15T26-10-10	5/8	7/8x14	1/2	2.08	53	0.18	4,7	1.75	44	1-1/16	1.08	27
15T26-10-12	5/8	7/8x14	5/8	2.20	56	0.18	4,7	1.53	39	1-1/16	1.26	32
15T26-12-12	3/4	1-1/16x14	5/8	2.63	67	0.18	4,7	1.75	44	1-1/4	1.69	43

15926-PB

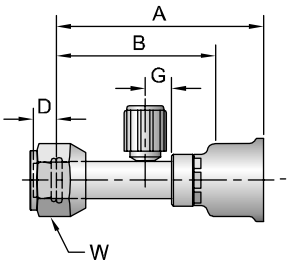
Female Tube-O - Swivel - Long Pilot
With High Pressure Charge Port for R134a



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
15926-6-6-PB	3/8	5/8x18	5/16	3.25	83	0.28	7,1	0.75	19	3/4	2.39	61
15926-8-8-PB	1/2	3/4x16	13/32	2.74	70	0.38	9,8	0.50	13	7/8	1.88	48

15926-PT

Female Tube-O - Swivel - Long Pilot
With Low Pressure Charge Port for R134a



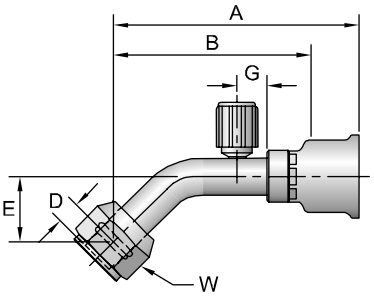
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
15926-10-12-PT	5/8	7/8x14	5/8	3.47	88	0.38	9,8	0.60	15	1-1/16	2.53	64

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15N26-PB

Female Tube-O - Swivel - 45° Elbow - Long Pilot
With High Pressure Charge Port for R134a

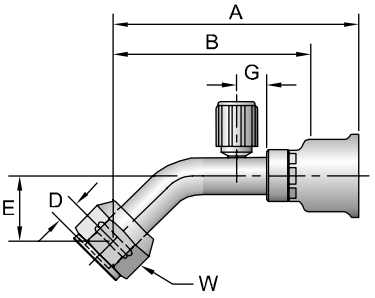
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15N26-8-8-PB	1/2	3/4x16	13/32	3.67	93	0.38	9,8	0.90	23	0.60	15	7/8	2.81	72



15N26-PT

Female Tube-O - Swivel - 45° Elbow - Long Pilot
With Low Pressure Charge Port for R134a

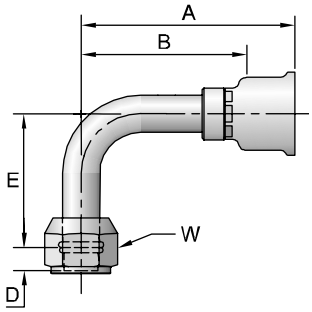
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15N26-10-12-PT	5/8	7/8x14	5/8	3.92	100	0.38	9,8	1.21	31	0.60	15	1-1/16	2.98	76



15L26

Female Tube-O - Swivel - 90° Elbow - Long Pilot

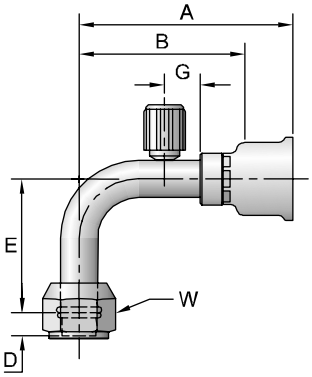
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
15L26-8-8	1/2	3/4x14	13/32	2.14	54	0.38	9,8	1.46	37	7/8	1.28	33



15L26-PB

Female Tube-O - Swivel - 90° Elbow - Long Pilot
With High Pressure Charge Port for R134a

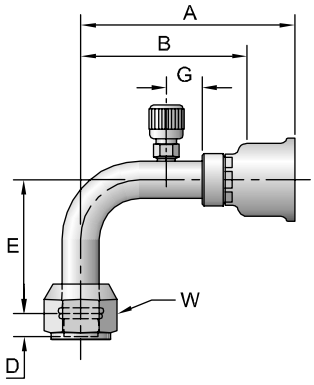
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15L26-6-6-PB	3/8	5/8x18	5/16	2.50	64	0.28	7,1	1.22	31	0.50	13	3/4	1.64	42
15L26-8-8-PB	1/2	3/4x16	13/32	2.80	71	0.38	9,8	1.46	37	0.60	15	7/8	1.94	49
15L26-10-12-PB	5/8	7/8x14	5/8	2.80	71	0.38	9,8	1.46	37	0.60	15	1-1/16	1.94	49



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15L26-PR

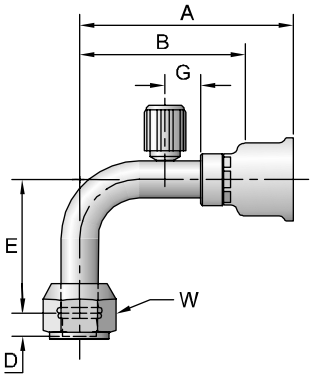
Female Tube-O - Swivel - 90° Elbow - Long Pilot With Charge Port for R12



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15L26-8-8-PR	1/2	3/4x16	13/32	2.79	71	0.38	9,8	1.46	37	0.60	15	7/8	1.93	49
15L26-10-10-PR	5/8	7/8x14	1/2	3.59	91	0.38	9,8	2.25	57	0.60	15	1-1/16	2.64	67
15L26-10-12-PR	5/8	7/8x14	5/8	3.25	83	0.38	9,8	2.25	57	0.60	15	1-1/16	2.31	59

15L26-PT

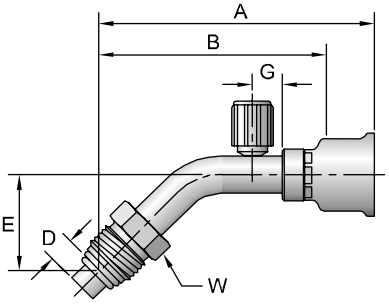
Female Tube-O - Swivel - 90° Elbow - Long Pilot With Low Pressure Charge Port for R134a



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15L26-10-10-PT	5/8	7/8X14	1/2	2.95	75	0.38	9,8	2.25	57	0.60	15	1-1/16	2.00	51
15L26-10-12-PT	5/8	7/8x14	5/8	3.25	83	0.38	9,8	2.25	57	0.60	15	1-1/16	2.31	59
15L26-12-12-PT	3/4	1-1/16x14	5/8	3.58	91	0.38	9,8	2.66	68	0.60	15	1-1/4	2.64	67

15P26-PT

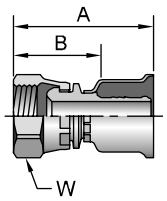
Male Tube-O - Swivel - 45° Elbow - Long Pilot With Low Pressure Charge Port for R134a



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	G inch	G mm	W inch	B inch	B mm
15P26-10-12-PT	5/8	7/8x18	5/8	3.81	97	0.38	9,8	1.21	31	0.60	15	7/8	2.87	73

17B26

Female Air Brake Jounce Line - Swivel



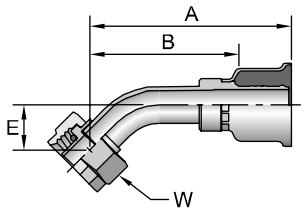
# Part Number	Thread inch		Hose inch	A inch	A mm	W inch	B inch	B mm
17B26-8-6BA	1/2	3/4x20	5/16	1.75	44	11/16	0.89	23
17B26-8-8BA	1/2	3/4x20	13/32	1.75	44	11/16	0.89	23

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15V26

Female Compressor - Swivel - 45˚ Elbow

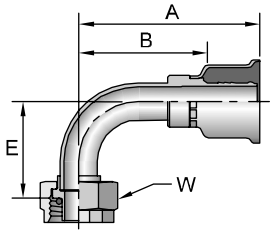
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
15V26-12-8	1x14	13/32	2.72	69	0.75	19	1-1/8	1.86	47
15V26-12-12	1x14	5/8	3.39	86	0.76	19	1-1/8	2.45	62



15W26

Female Compressor - Swivel - 90˚ Elbow

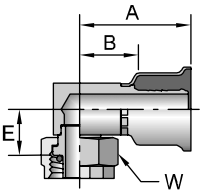
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
15W26-12-8	1x14	13/32	2.24	57	1.25	32	1.125	1.38	35
15W26-12-12	1x14	5/8	3.04	77	1.63	41	1.125	2.10	53



15Z26

Female Compressor - Swivel - 90˚ Elbow - Block Type

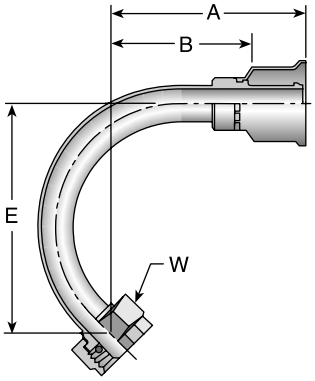
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
15Z26-12-8	1X14	0.40625	1.79	45	0.80	20	1.125	0.93	24
15Z26-12-12	1X14	0.625	1.87	47	0.80	20	1.125	0.93	24



1RV26

Female Compressor - Swivel - 135˚ Elbow

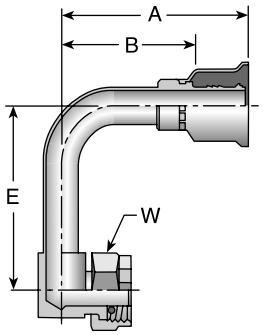
# Part Number	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1RV26-12-8	13/32	3.24	82	3.21	82	1-1/8	2.38	60
1RV26-12-12	5/8	2.32	59	3.21	82	1-1/8	1.38	35



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1RZ26

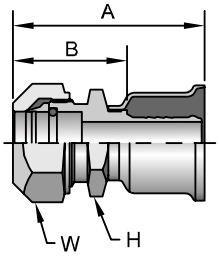
Female Compressor - Swivel - 180˚ Elbow - Block Type RZ



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1RZ26-12-12	1x14	5/8	2.98	76	3.13	80	1-1/8	2.04	52

1T126

Male Refrigerant Tube Mender (with Nut and Ferrule)



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1T126-6-6	3/8	5/8x18	5/16	1.96	50	11/16	1.10	28
1T126-8-8	1/2	3/4x16	13/32	2.07	53	13/16	1.21	31
1T126-10-10	5/8	7/8x14	1/2	2.28	58	15/16	1.33	34
1T126-10-12	5/8	7/8x14	5/8	2.27	58	15/16	1.33	34
1T126-12-12	3/4	1-16x14	5/8	2.33	59	1-1/8	1.39	35

1T126 Assembly instructions on page B-25.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1T126

Fitting Installation Instructions

1. Cut the tube off squarely next to the hose fitting. At least 7/8" straight length is required and the outside diameter of the tube should be smooth and free from deep lengthwise scratches.

2. To prevent cutting the inside of the O-Ring, smoothly chamfer the outside diameter of the cut end 15˚ to 30˚. Deburr the inside diameter.

3. Remove the nut, compression sleeve, and O-Ring from the fitting and lubricate the O-Ring with a lubricant that is compatible with the refrigerant used in the system.

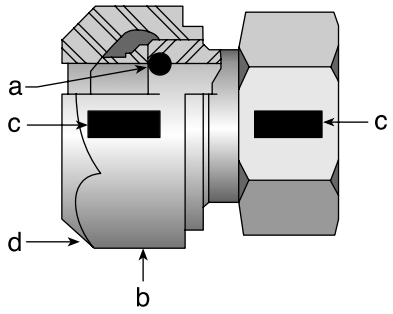
4. Place the lubricated O-Ring in the counterbore of the fitting.

5. Slip the compression sleeve, small end, into the nut and assemble the nut on the fitting fingertight. Make sure the compression sleeve is not cocked in the nut. Back the nut off 1/6 to 1/3 turn (one to two hext flats).

6. Insert the chamfered tube end through the nut into the fitting. If high resistance is felt when the end of the tube contacts the O-Ring, remove the tube. The end of the tube may require a large chamfer and/or the O-Ring may require more lubrication on the inside diameter. Repeat the previous steps.

7. (a) Make sure the tube is bottomed in the fitting
   (b) Tighten the nut finger tight
   (c) Mark the fitting and nut hex indicating the starting point (see illustration) and
   (d) Wrench tighten the nut 1 to 1-1/6 turns (6 to 7 hex flats).

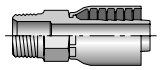
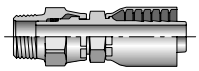
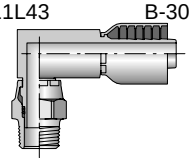
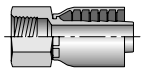
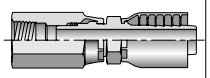
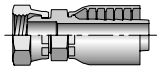
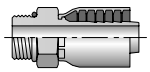
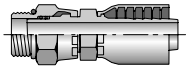
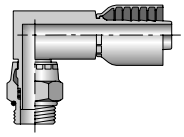
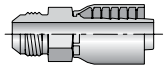
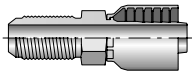
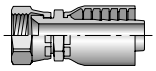
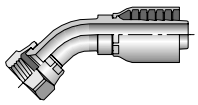
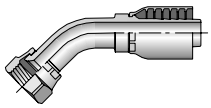
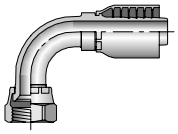
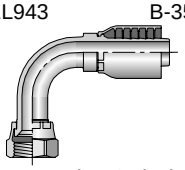
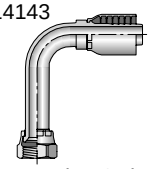
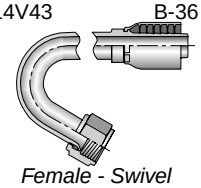
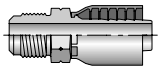
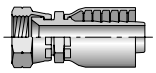
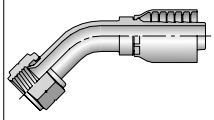
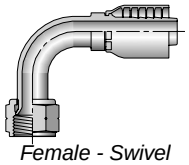
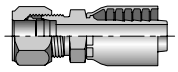
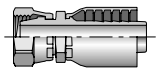
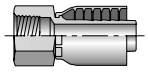
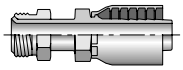
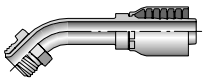
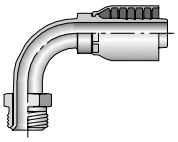
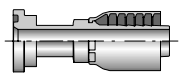
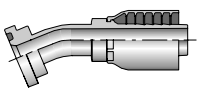
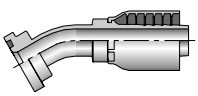
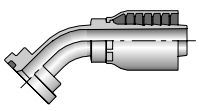
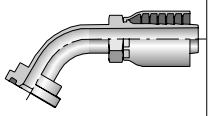
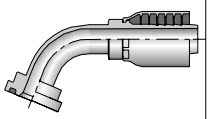
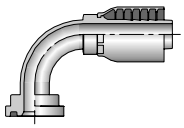
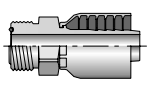
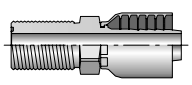
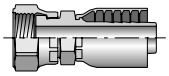
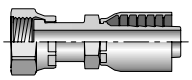
8. Later, if it is ever necessary to loosen the connection, re-assemble the nut 1/6 turn (one hex flat) after finger tight.



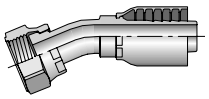
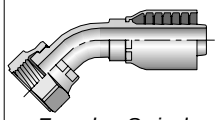
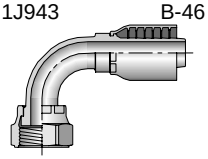
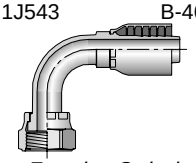
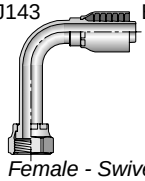
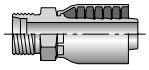
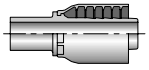
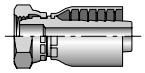
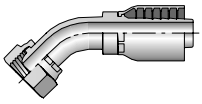
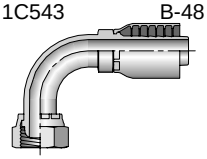
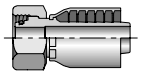
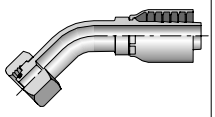
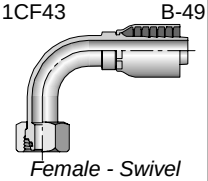
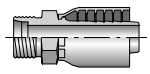
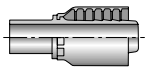
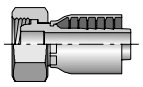
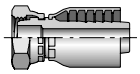
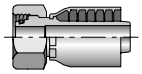
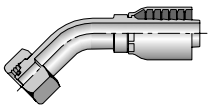
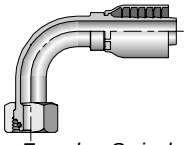
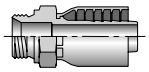
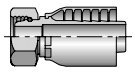
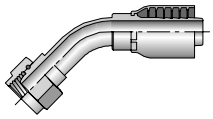
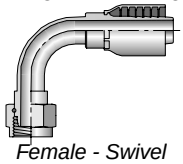
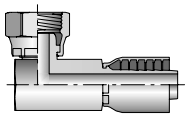
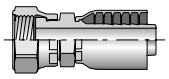
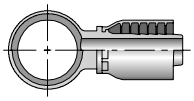
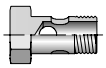
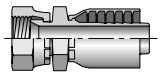
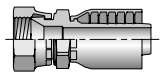
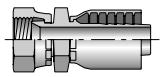
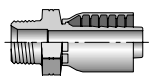
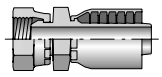
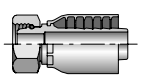
IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL:
PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	10143 B-29  *Male - Rigid*	11343 B-29  *Male - Swivel*	11L43 B-30  *Male - Swivel 90˚ Elbow*	10243 B-30  *Female - Rigid*	1S243 B-31  *Female - Swivel*
NPSM Pipe	10743 B-30  *Female - Swivel*	**Straight Thread O-Ring**	10543 B-31  *Male - Rigid*	10G43 B-31  *Male - Swivel*	10L43 B-32  *Male - Swivel 90˚ Elbow*
JIC 37˚	10343 B-32  *Male - Rigid*	1LB43 B-33  *Male - Bulkhead*	10643 B-33  *Female - Swivel*	13743 B-34  *Female - Swivel 45˚ Elbow - Short*	1L743 B-34  *Female - Swivel 45˚ Elbow - Medium*
13943 B-35  *Female - Swivel 90˚ Elbow - Short*	1L943 B-35  *Female - Swivel 90˚ Elbow - Medium*	14143 B-36  *Female - Swivel 90˚ Elbow - Long*	14V43 B-36  *Female - Swivel 150˚ Elbow*	**SAE 45˚**	10443 B-36  *Male - Rigid*
10843 B-36  *Female - Swivel*	17743 B-37  *Female - Swivel 45˚ Elbow*	17943 B-37  *Female - Swivel 90˚ Elbow*	**Flareless**	11143 B-37  *Male - Rigid*	11243 B-38  *Female - Swivel*
1GJ43 B-38  *Female - Rigid*	**Inverted Flare**	12843 B-38  *Male - Swivel*	16743 B-39  *Male - Swivel 45˚ Elbow*	16943 B-39  *Male - Swivel 90˚ Elbow*	**Code 61 Flange**
11543 B-39  *Flange Head*	11643 B-40  *22-1/2˚ Elbow*	12643 B-40  *30˚ Elbow*	11743 B-40  *45˚ Elbow*	12743 B-41  *60˚ Elbow*	11843 B-41  *67-1/2˚ Elbow*
11943 B-41  *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**	1J043 B-42  *Male - Rigid w/O-Ring*	1JB43 B-42  *Male - Bulkhead w/O-Ring*	1JC43 B-43  *Female - Swivel Short*	1JS43 B-44  *Female - Swivel Long*

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

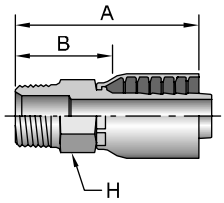
1J643 B-44  *Female - Swivel 22-1/2˚ Elbow*	1J743 B-45  *Female - Swivel 45˚ Elbow*	1J943 B-46  *Female - Swivel 90˚ Elbow - Short*	1J543 B-46  *Female - Swivel 90˚ Elbow - Meduim*	1J143 B-47  *Female - Swivel 90˚ Elbow - Long*	***DIN "L" Series***
1D043 B-47  *Male - Rigid*	11D43 B-47  *Male Standpipe Rigid*	1C343 B-48  *Female - Swivel*	1C443 B-48  *Female - Swivel 45˚ Elbow*	1C543 B-48  *Female - Swivel 90˚ Elbow*	***DIN "L" Series w/O-Ring***
1CA43 B-49  *Female - Swivel*	1CE43 B-49  *Female - Swivel 45˚ Elbow*	1CF43 B-49  *Female - Swivel 90˚ Elbow*	***DIN "S" Series***	1D243 B-50  *Male - Rigid*	13D43 B-50  *Male Standpipe Rigid*
1C643 B-50  *Female - Swivel*	***DIN 60˚ Cone***	1C043 B-51  *Female - Swivel*	***DIN "S" Series w/O-Ring***	1C943 B-51  *Female - Swivel*	10C43 B-51  *Female - Swivel 45˚ Elbow*
11C43 B-52  *Female - Swivel 90˚ Elbow*	***BSP***	1D943 B-52  *Male - Rigid*	19243 B-52  *Female - Swivel*	1B143 B-53  *Female - Swivel 45˚ Elbow*	1B243 B-53  *Female - Swivel 90˚ Elbow*
1B443 B-53  *Female - Swivel 90˚ Elbow - Block Type*	1B543 B-54  *Female - Swivel Flat Seat*	***Banjo***	14943 B-54  *Metric Banjo*	AM B-54  *Bolt*	***Metric 30˚ Flare***
1MU43 B-55  *Female - Swivel*	1XU43 B-55  *Female - Swivel*	***BSP***	1FU43 B-56  *Female - Swivel*	1UT43 B-56  *Male - Rigid*	1GU43 B-56  *Female - Swivel*
French Gaz	1F443 B-56  *Female - Swivel*				

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10143

Male NPTF Pipe - Rigid

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm	Additional Material Stainless Steel (C)
10143-2-4	1/8x27	1/4	1.80	46	9/16	1.05	27	
10143-4-4	1/4x18	1/4	2.01	51	9/16	1.26	32	•
10143-4-5	1/4x18	5/16	1.94	49	11/16	1.19	30	
10143-4-6	1/4x18	3/8	2.28	58	3/4	1.25	32	
10143-6-4	3/8x18	1/4	1.86	47	11/16	1.11	28	
10143-6-5	3/8x18	5/16	1.94	49	11/16	1.19	30	
10143-6-6	3/8x18	3/8	2.37	60	3/4	1.34	34	•
10143-6-8	3/8x18	1/2	2.59	66	7/8	1.33	34	
10143-6-10	3/8x18	5/8	2.61	66	15/16	1.17	30	
10143-8-4	1/2x14	1/4	2.13	54	7/8	1.38	35	
10143-8-6	1/2x14	3/8	2.39	61	7/8	1.36	35	
10143-8-8	1/2x14	1/2	2.84	72	7/8	1.58	40	•
10143-8-10	1/2x14	5/8	3.04	77	15/16	1.59	40	
10143-8-12	1/2x14	3/4	3.04	77	1-1/16	1.60	41	
10143-12-8	3/4x14	1/2	2.68	68	1-1/16	1.42	36	
10143-12-10	3/4x14	5/8	2.87	73	1-1/16	1.43	36	
10143-12-12	3/4x14	3/4	3.09	78	1-1/16	1.65	42	•
10143-12-16	3/4x14	1	3.40	86	1-3/8	1.78	45	
10143-16-12	1x11-1/2	3/4	3.09	78	1-3/8	1.65	42	
10143-16-16	1x11-1/2	1	2.59	66	1-3/8	1.97	50	•
10143-20-20	1-1/4x11-1/2	1-1/4	4.08	104	1-3/4	2.39	61	•
10143-24-24	1-1/2x11-1/2	1-1/2	3.50	89	2	2.13	54	
10143-32-32	2x11-1/2	2	4.05	103	2-1/2	2.27	58	

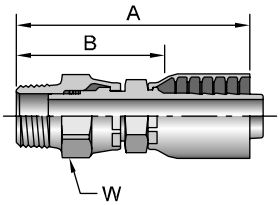


Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

11343

Male NPTF Pipe - Swivel

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
11343-2-4	1/8x27	1/4	2.94	75	5/8	2.19	56
11343-4-4	1/4x18	1/4	2.68	68	5/8	1.93	49
11343-4-6	1/4x18	3/8	3.01	76	5/8	1.98	50
11343-6-4	3/8x18	1/4	2.81	71	3/4	2.06	52
11343-6-6	3/8x18	3/8	3.08	78	3/4	2.05	52
11343-6-8	3/8x18	1/2	3.30	84	3/4	2.04	52
11343-8-6	1/2x14	3/8	3.30	84	7/8	2.27	58
11343-8-8	1/2x14	1/2	3.52	89	7/8	2.26	57
11343-12-12	3/4x14	3/4	3.93	100	1-1/4	2.49	63
11343-16-16	1x11-1/2	1	4.52	115	1-1/2	2.90	74



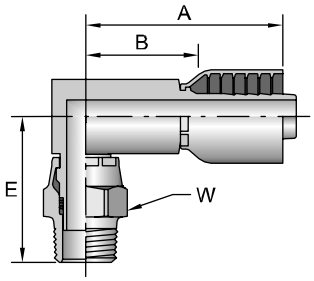
O-Ring not compatible with Phosphate Ester fluids.

Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11L43

Male NPTF Pipe - Swivel - 90° Elbow



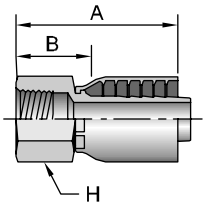
# Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
11L43-4-4	1/4x18	1/4	2.23	57	1.79	45	5/8	1.48	38
11L43-4-6	1/4x18	3/8	2.53	64	1.85	47	5/8	1.50	38
11L43-6-6	3/8x18	3/8	2.53	64	1.94	49	3/4	1.50	38
11L43-8-6	1/2x14	3/8	2.66	68	2.17	55	7/8	1.63	41
11L43-8-8	1/2x14	1/2	2.96	75	2.17	55	7/8	1.70	43
11L43-12-12	3/4x14	3/4	3.32	84	2.46	62	1-1/4	1.88	48

O-Ring not compatible with Phosphate Ester fluids.

Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

10243

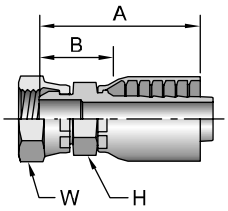
Female NPTF Pipe - Rigid



# Part Number	Thread	Hose I.D.	A		H	B	
	inch	inch	inch	mm	inch	inch	mm
10243-2-4	1/8x27	1/4	1.68	43	5/8	0.93	24
10243-4-4	1/4x18	1/4	1.78	45	11/16	1.03	26
10243-4-6	1/4x18	3/8	2.05	52	3/4	1.02	26
10243-6-4	3/8x18	1/4	2.05	52	7/8	1.30	33
10243-6-6	3/8x18	3/8	2.32	59	7/8	1.29	33
10243-8-6	1/2x14	3/8	2.40	61	1-1/8	1.37	35
10243-8-8	1/2x14	1/2	2.62	67	1-1/8	1.36	35
10243-12-12	3/4x14	3/4	2.72	69	1-1/4	1.28	33

10743

Female NPSM Pipe - Swivel - (60° Cone)

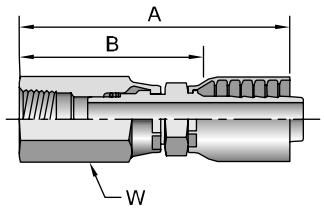


# Part Number	Thread	Hose I.D.	A		H	W	B	
	inch	inch	inch	mm	inch	inch	inch	mm
10743-2-4	1/8x27	1/4	1.69	43	9/16	9/16	0.94	24
10743-4-4	1/4x18	1/4	1.74	44	9/16	11/16	0.99	25
10743-6-6	3/8x18	3/8	2.09	53	11/16	7/8	1.06	27
10743-8-8	1/2x14	1/2	2.32	59	15/16	1	1.06	27
10743-12-12	3/4x14	3/4	2.70	69	1-1/16	1-1/4	1.47	37
10743-16-16	1x11-1/2	1	3.09	78	1-3/8	1-1/2	1.47	37
10743-20-20	1-1/4x11-1/2	1-1/4	3.28	83	1-7/8	1-7/8	1.59	40

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

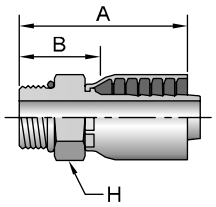
1S243
Female NPTF Pipe - Swivel

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
1S243-4-4	1/4x18	1/4	3.33	85	3/4	2.58	66



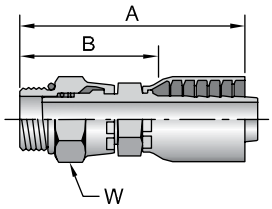
10543
Male SAE Straight Thread with O-Ring - Rigid

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10543-4-4	1/4	7/16x20	1/4	1.64	42	9/16	0.89	23
10543-5-4	5/16	1/2x20	1/4	1.80	46	5/8	1.05	27
10543-6-4	3/8	9/16x18	1/4	1.67	42	11/16	0.92	23
10543-6-6	3/8	9/16x18	3/8	2.10	53	11/16	1.07	27
10543-6-8	3/8	9/16x18	1/2	2.32	59	13/16	1.06	27
10543-8-6	1/2	3/4x16	3/8	2.11	54	7/8	1.08	27
10543-8-8	1/2	3/4x16	1/2	2.46	62	7/8	1.20	30
10543-10-6	5/8	7/8x14	3/8	2.13	54	1	1.10	28
10543-10-8	5/8	7/8x14	1/2	2.35	60	1	1.09	28
10543-10-10	5/8	7/8x14	5/8	2.77	70	1	1.33	34
10543-12-8	3/4	1-1/16x12	1/2	2.61	66	1-1/4	1.35	34
10543-12-10	3/4	1-1/16x12	5/8	2.80	71	1-1/4	1.36	35
10543-12-12	3/4	1-1/16x12	3/4	2.81	71	1-1/4	1.37	35
10543-16-12	1	1-5/16x12	3/4	2.81	71	1-1/2	1.37	35
10543-16-16	1	1-5/16x12	1	3.37	86	1-1/2	1.75	44
10543-20-20	1-1/4	1-5/8x12	1-1/4	3.69	94	1-7/8	2.00	51



10G43
Male SAE Straight Thread with O-Ring - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
10G43-5-4	5/16	1/2x20	1/4	2.98	76	3/4	2.23	57
10G43-6-4	3/8	9/16x18	1/4	2.98	76	3/4	2.23	57
10G43-6-6	3/8	9/16x18	3/8	3.25	83	3/4	2.22	56
10G43-8-6	1/2	3/4x16	3/8	3.06	78	7/8	2.06	52
10G43-8-8	1/2	3/4x16	1/2	3.21	82	7/8	1.95	50
10G43-10-6	5/8	7/8x14	3/8	3.01	76	1	2.01	51
10G43-10-8	5/8	7/8x14	1/2	3.27	83	1	2.01	51
10G43-12-12	3/4	1-1/16x12	3/4	3.78	96	1-1/4	2.34	59



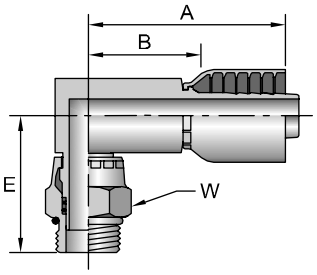
O-Ring not compatible with Phosphate Ester fluids.

Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10L43

Male SAE Straight Thread with O-Ring - Swivel - 90° Elbow



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
10L43-6-6	3/8	9/16x18	3/8	2.53	64	2.10	53	3/4	1.50	38
10L43-8-6	1/2	3/4x16	3/8	2.66	68	1.86	47	7/8	1.63	41
10L43-8-8	1/2	3/4x16	1/2	2.96	75	1.87	47	7/8	1.70	43
10L43-10-8	5/8	7/8x14	1/2	2.96	75	1.92	49	1	1.70	43
10L43-12-12	3/4	1-1/16x12	3/4	3.22	82	2.30	58	1-1/4	1.88	48

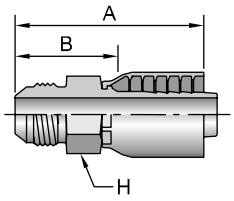
O-Ring not compatible with Phosphate Ester fluids.

See Technical Section for pressure limitations.

Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on continuous or extensive swiveling.

10343

Male JIC 37° - Rigid



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10343-4-4	1/4	7/16x20	1/4	1.99	51	9/16	1.24	31
10343-5-4	5/16	1/2x20	1/4	1.83	46	9/16	1.08	27
10343-5-6	5/16	1/2x20	3/8	2.26	57	3/4	1.23	31
10343-6-4	3/8	9/16x18	1/4	1.84	47	11/16	1.09	28
10343-6-6	3/8	9/16x18	3/8	2.36	60	3/4	1.33	34
10343-8-6	1/2	3/4x16	3/8	2.30	58	7/8	1.27	32
10343-8-8	1/2	3/4x16	1/2	2.68	68	7/8	1.42	36
10343-8-10	1/2	3/4x16	5/8	2.85	72	7/8	1.41	36
10343-10-6	5/8	7/8x14	3/8	2.40	61	15/16	1.37	35
10343-10-8	5/8	7/8x14	1/2	2.62	67	15/16	1.36	35
10343-10-10	5/8	7/8x14	5/8	3.03	77	15/16	1.59	40
10343-12-8	3/4	1-1/16x12	1/2	2.76	70	1-1/8	1.50	38
10343-12-10	3/4	1-1/16x12	5/8	3.07	78	1-1/8	1.63	41
10343-12-12	3/4	1-1/16x12	3/4	3.19	81	1-1/8	1.75	44
10343-14-12	7/8	1-3/16x12	3/4	3.11	79	1-1/4	1.67	42
10343-16-12	1	1-5/16x12	3/4	3.04	77	1-3/8	1.60	41
10343-16-16	1	1-5/16x12	1	3.63	92	1-3/8	2.01	51
10343-20-20	1-1/4	1-5/8x12	1-1/4	3.96	101	1-7/8	2.27	58
10343-24-20^	1-1/2	1-7/8x12	1-1/4	3.71	94	2	2.02	51

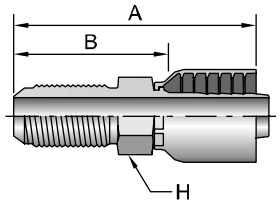
^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1LB43

Male JIC 37° - Bulkhead without Locknut

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1LB43-4-4	1/4	7/16x20	1/4	2.64	67	9/16	1.89	48
1LB43-6-6	3/8	9/16x18	3/8	3.08	78	3/4	2.05	52
1LB43-8-8	1/2	3/4x16	1/2	3.46	88	7/8	2.20	56
1LB43-10-10	5/8	7/8x14	5/8	3.85	98	15/16	2.41	61
1LB43-12-12	3/4	1-1/16x12	3/4	4.08	104	1-1/8	2.64	67

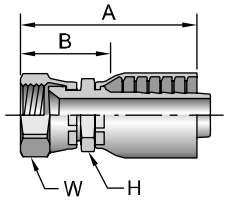


Fittings are stocked less locknut (part no. WLN). Locknuts are manufactured by the Parker Tube Fittings Division and must be ordered separately.

10643

Female JIC 37° - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
10643-4-4	1/4	7/16x20	1/4	1.94	49	9/16	9/16	1.19	30	•
10643-4-6	1/4	7/16x20	3/8	2.20	56	11/16	9/16	1.17	30	
10643-5-4	5/16	1/2x20	1/4	2.03	52	9/16	5/8	1.28	33	
10643-5-5	5/16	1/2x20	5/16	2.08	53	11/16	5/8	1.33	34	
10643-5-6	5/16	1/2x20	3/8	2.26	57	11/16	5/8	1.23	31	
10643-6-4	3/8	9/16x18	1/4	2.05	52	9/16	11/16	1.30	33	
10643-6-5	3/8	9/16x18	5/16	2.10	53	11/16	11/16	1.35	34	
10643-6-6	3/8	9/16x18	3/8	2.29	58	11/16	11/16	1.26	32	•
10643-6-8	3/8	9/16x18	1/2	2.51	64	13/16	11/16	1.25	32	
10643-8-6	1/2	3/4x16	3/8	2.49	63	11/16	7/8	1.46	37	•
10643-8-8	1/2	3/4x16	1/2	2.63	67	13/16	7/8	1.37	35	•
10643-8-10	1/2	3/4x16	5/8	2.82	72	15/16	7/8	1.38	35	
10643-8-12	1/2	3/4x16	3/4	2.83	72	1-1/16	7/8	1.39	35	
10643-10-6	5/8	7/8x14	3/8	2.51	64	7/8	1	1.48	38	
10643-10-8	5/8	7/8x14	1/2	2.85	72	7/8	1	1.59	40	
10643-10-10	5/8	7/8x14	5/8	2.93	74	15/16	1	1.49	38	•
10643-10-12	5/8	7/8x14	3/4	2.93	74	1-1/16	1	1.49	38	
10643-12-8	3/4	1-1/16x12	1/2	2.78	71	1-1/16	1-1/4	1.52	39	
10643-12-10	3/4	1-1/16x12	5/8	3.10	79	1-1/16	1-1/4	1.66	42	
10643-12-12	3/4	1-1/16x12	3/4	3.17	81	1-1/16	1-1/4	1.73	44	•
10643-12-16	3/4	1-1/16x12	1	3.29	84	1-3/8	1-1/4	1.67	42	
10643-14-12	7/8	1-3/16x12	3/4	3.18	81	1-1/4	1-3/8	1.74	44	
10643-16-12	1	1-5/16x12	3/4	3.31	84	1-1/4	1-1/2	1.87	47	
10643-16-16	1	1-5/16x12	1	3.62	92	1-3/8	1-1/2	2.00	51	•
10643-20-16	1-1/4	1-5/8x12	1	3.81	97	1-5/8	2	2.19	56	
10643-20-20	1-1/4	1-5/8x12	1-1/4	3.94	100	1-7/8	2	2.25	57	•
10643-24-24	1-1/2	1-7/8x12	1-1/2	3.84	98	2-1/8	2-1/4	2.47	63	
10643-32-32	2	2-1/2x12	2	4.73	120	2-1/2	2-7/8	2.95	75	

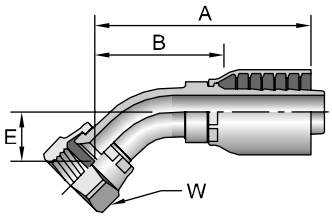


Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

13743

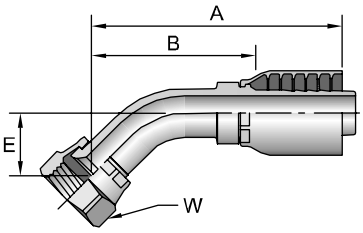
Female JIC 37° - Swivel - 45° Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13743-4-4	1/4	7/16x20	1/4	1.96	50	0.39	10	9/16	1.21	31
13743-5-4	5/16	1/2x20	1/4	2.19	56	0.39	10	5/8	1.44	37
13743-6-4	3/8	9/16x18	1/4	2.23	57	0.39	10	11/16	1.48	38
13743-6-6	3/8	9/16x18	3/8	2.39	61	0.39	10	11/16	1.39	35
13743-8-6	1/2	3/4x16	3/8	2.74	70	0.55	14	7/8	1.74	44
13743-8-8	1/2	3/4x16	1/2	2.83	72	0.55	14	7/8	1.57	40
13743-10-8	5/8	7/8x14	1/2	2.93	74	0.63	16	1	1.67	42
13743-10-10	5/8	7/8x14	5/8	3.17	81	0.63	16	1	1.73	44
13743-12-10	3/4	1-1/16x12	5/8	3.62	92	0.83	21	1-1/4	2.08	53
13743-12-12	3/4	1-1/16x12	3/4	3.63	92	0.78	20	1-1/4	2.19	56
13743-16-16	1	1-5/16x12	1	4.34	110	0.95	24	1-1/2	2.72	69
13743-20-20	1-1/4	1-5/8x12	1-1/4	4.59	117	1.19	30	2	2.82	72
13743-24-24	1-1/2	1-7/8x12	1-1/2	5.50	140	1.47	37	2-1/4	4.18	106

1L743

Female JIC 37° - Swivel - 45° Elbow - Medium Drop



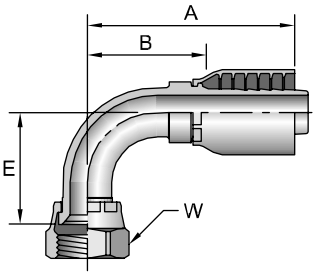
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1L743-6-6	3/8	9/16x18	3/8	2.66	62	0.59	15	11/16	1.63	41
1L743-8-8	1/2	3/4x16	1/2	3.17	80	0.72	18	7/8	1.91	49
1L743-12-12	3/4	1-1/16x12	3/4	4.23	107	1.06	27	1-1/4	2.79	71
1L743-16-16	1	1-5/16x12	1	4.51	115	1.07	27	1-1/2	2.89	73

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

13943

Female JIC 37° - Swivel - 90° Elbow - Short Drop

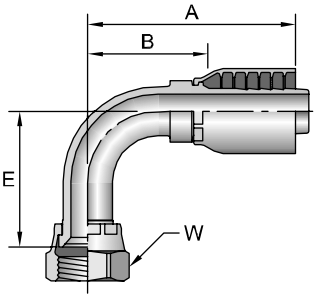
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13943-4-4	1/4	7/16x20	1/4	1.78	45	0.83	21	9/16	1.03	26
13943-4-6	1/4	7/16x20	3/8	2.11	54	0.83	21	9/16	1.08	27
13943-5-4	5/16	1/2x20	1/4	1.88	48	0.83	21	5/8	1.13	29
13943-5-5	5/16	1/2x20	5/16	1.96	50	0.83	21	5/8	1.21	31
13943-6-4	3/8	9/16x18	1/4	2.12	54	0.85	22	11/16	1.37	35
13943-6-6	3/8	9/16x18	3/8	2.21	56	0.91	23	11/16	1.18	30
13943-6-8	3/8	9/16x18	1/2	2.51	64	0.85	22	11/16	1.25	32
13943-8-6	1/2	3/4x16	3/8	2.52	64	1.09	28	7/8	1.49	38
13943-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.36	35
13943-10-8	5/8	7/8x14	1/2	2.74	70	1.26	32	1	1.48	38
13943-10-10	5/8	7/8x14	5/8	2.97	75	1.26	32	1	1.69	39
13943-12-8	3/4	1-1/16x12	1/2	3.25	83	1.83	46	1-1/4	1.99	51
13943-12-10	3/4	1-1/16x12	5/8	3.07	78	1.89	48	1-1/4	1.63	41
13943-12-12	3/4	1-1/16x12	3/4	3.49	89	1.89	48	1-1/4	2.05	52
13943-16-12	1	1-5/16x12	3/4	3.49	89	2.00	51	1-1/2	2.05	52
13943-16-16	1	1-5/16x12	1	4.28	109	2.20	56	1-1/2	2.66	68
13943-20-20	1-1/4	1-5/8x12	1-1/4	4.43	113	2.59	66	2	2.74	70
13943-24-24	1-1/2	1-7/8x12	1-1/2	5.50	1.40	3.81	81	2-1/4	4.13	105



1L943

Female JIC 37° - Swivel - 90° Elbow - Medium Drop

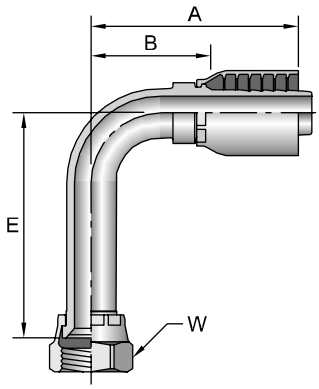
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1L943-4-4	1/4	7/16x20	1/4	1.84	47	0.88	22	9/16	1.09	28
1L943-6-4	3/8	9/16x18	1/4	2.12	54	1.50	38	11/16	1.37	35
1L943-6-6	3/8	9/16x18	3/8	2.29	58	1.12	28	11/16	1.26	32
1L943-8-6	1/2	3/4x16	3/8	2.51	64	1.38	35	7/8	1.48	38
1L943-8-8	1/2	3/4x16	1/2	2.64	67	1.38	35	7/8	1.38	35
1L943-10-8	5/8	7/8x14	1/2	3.25	83	1.75	44	1	1.99	51
1L943-12-12	3/4	1-1/16x12	3/4	3.49	89	2.28	58	1-1/4	2.05	52
1L943-16-16	1	1-5/16x12	1	4.44	113	2.50	64	1-1/2	2.82	72



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

14143

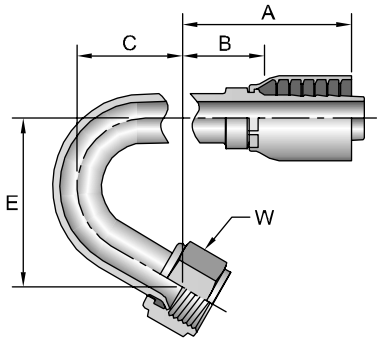
Female JIC 37° - Swivel - 90° Elbow - Long Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
14143-4-4	1/4	7/16x20	1/4	1.96	50	1.81	46	9/16	1.21	31
14143-5-4	5/16	1/2x20	1/4	1.93	49	1.80	46	5/8	1.18	30
14143-6-6	3/8	9/16x18	3/8	2.27	58	2.18	55	11/16	1.27	32
14143-8-6	1/2	3/4x16	3/8	2.56	65	2.43	62	7/8	1.56	40
14143-8-8	1/2	3/4x16	1/2	2.62	67	2.52	64	7/8	1.36	35
14143-10-8	5/8	7/8x14	1/2	2.78	71	2.58	66	1	1.52	39
14143-10-10	5/8	7/8x14	5/8	3.16	80	2.58	66	1	1.75	44
14143-12-12	3/4	1-1/16x12	3/4	3.49	89	3.74	95	1-1/4	2.05	52
14143-14-12	7/8	1-3/16x12	3/4	3.38	86	3.93	100	1-3/8	1.95	50
14143-16-16	1	1-5/16x12	1	3.90	99	4.32	110	1-1/2	2.31	59
14143-20-20	1-1/4	1-5/8x12	1-1/4	4.39	112	5.28	134	2	2.73	69

14V43

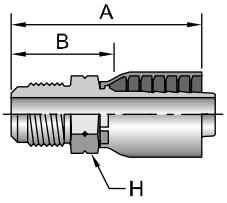
Female JIC 37° - Swivel - 150° Elbow



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	C inch	C mm	E inch	E mm	W inch	B inch	B mm
14V43-6-4	3/8	9/16x18	1/4	2.89	73	1.36	11/16	1.97	50	11/16	2.16	55

10443

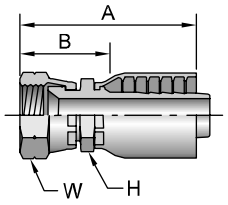
Male SAE 45° - Rigid



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10443-6-6	3/8	5/8x18	3/8	2.21	56	3/4	1.21	31
10443-12-12	3/4	1-1/16x14	3/4	3.20	81	1-1/8	1.77	45

10843

Female SAE 45° - Swivel



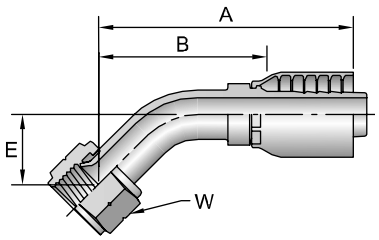
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
10843-6-4	3/8	5/8x18	1/4	2.11	54	3/4	3/4	1.36	35
10843-6-6	3/8	5/8x18	3/8	2.38	60	3/4	3/4	1.35	34
10843-12-12	3/4	1-1/16x14	3/4	3.17	81	1-1/16	1-1/4	1.73	44

Notch on nut signifies SAE 45° flare.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

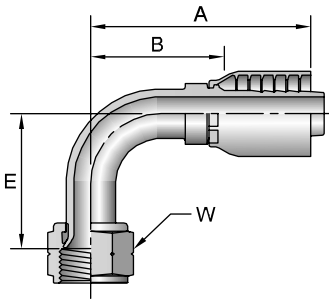
17743
Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
17743-4-6	1/4	7/16x20	3/8	2.28	58	0.33	8	9/16	1.25	32



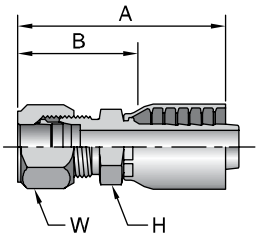
17943
Female SAE 45° - Swivel - 90° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
17943-6-6	3/8	5/8x18	3/8	2.13	54	0.85	22	3/4	1.13	29



11143
Male Ferulok Flareless - Rigid
(24° Cone with Nut and Ferrule)

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
11143-4-4	1/4	7/16x20	1/4	2.13	54	9/16	9/16	1.40	36
11143-4-6	1/4	7/16x20	3/8	2.44	62	3/4	9/16	1.44	37
11143-5-4	5/16	1/2x20	1/4	2.13	54	9/16	5/8	1.40	36
11143-5-6	5/16	1/2x20	3/8	2.44	62	3/4	5/8	1.44	37
11143-6-6	3/8	9/16x18	3/8	2.50	64	3/4	11/16	1.50	38
11143-8-8	1/2	3/4x16	1/2	2.93	74	7/8	7/8	1.68	43
11143-10-8	5/8	7/8x14	1/2	3.07	78	15/16	1	1.82	46
11143-12-12	3/4	1-1/16x12	3/4	3.39	86	1-1/8	1-1/4	1.96	50
11143-16-16	1	1-5/16x12	1	3.80	97	1-3/8	1-1/2	2.18	55



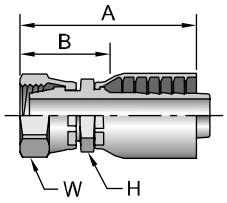
The Parker Ferrul-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on-the-job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.

Notch on nut signifies SAE 45° flare.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11243

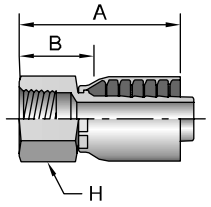
Female Ferulok Flareless - Swivel - (24° Cone)



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
11243-6-6	3/8	9/16x18	3/8	2.51	64	11/16	11/16	1.48	38
11243-8-6	1/2	3/4x16	3/8	2.67	68	7/8	7/8	1.64	42
11243-8-8	1/2	3/4x16	1/2	2.89	73	7/8	7/8	1.63	41

1GJ43

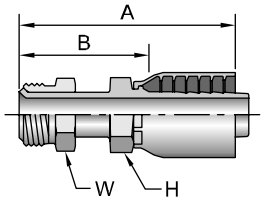
Female Grease Connection - SPL - PTF Taper Thread
Rigid - 1/2 x 27



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1GJ43-4-4	1/2x27	1/4	1.79	45	3/4	1.04	26
1GJ43-4-6	1/2x27	3/8	2.05	52	3/4	1.02	26

12843

Male Inverted SAE 45° - Swivel



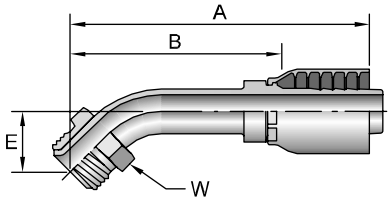
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
12843-4-4	1/4	7/16x24	1/4	2.32	59	9/16	7/16	1.57	40
12843-4-6	1/4	7/16x24	3/8	2.65	67	11/16	7/16	1.62	41
12843-5-4	5/16	1/2x20	1/4	2.60	66	9/16	1/2	1.85	47
12843-5-6	5/16	1/2x20	3/8	2.74	70	11/16	1/2	1.71	43
12843-6-6	3/8	5/8x18	3/8	2.86	73	11/16	5/8	1.83	46
12843-7-6	7/16	11/16x18	3/8	2.95	75	11/16	11/16	1.92	49
12843-8-8	1/2	3/4x18	1/2	3.11	79	13/16	3/4	1.85	47
12843-10-10	5/8	7/8x18	5/8	3.55	90	3/4	7/8	2.11	54

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16743

Male Inverted SAE 45° - Swivel - 45° Elbow

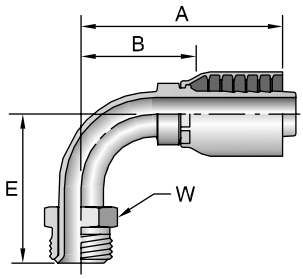
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
16743-4-4	1/4	7/16x24	1/4	2.09	53	0.63	16	7/16	1.34	34
16743-4-6	1/4	7/16x24	3/8	2.42	61	0.63	16	7/16	1.39	35
16743-5-4	5/16	1/2x20	1/4	2.34	59	0.70	18	1/2	1.59	40
16743-5-6	5/16	1/2x20	3/8	2.48	63	0.70	18	1/2	1.45	37
16743-6-6	3/8	5/8x18	3/8	2.93	74	0.94	24	5/8	1.90	48
16743-8-8	1/2	3/4x18	1/2	3.23	82	1.09	28	3/4	1.97	50



16943

Male Inverted SAE 45° - Swivel - 90° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
16943-4-4	1/4	7/16x24	1/4	2.16	55	1.56	40	7/16	1.41	36
16943-4-6	1/4	7/16x24	3/8	2.49	63	1.56	40	7/16	1.46	37
16943-5-4	5/16	1/2x20	1/4	2.41	61	1.65	42	1/2	1.66	42
16943-5-6	5/16	1/2x20	3/8	2.59	66	1.65	42	1/2	1.56	40
16943-6-6	3/8	5/8x18	3/8	2.61	66	1.69	43	5/8	1.58	40
16943-7-6	7/16	11/16x18	3/8	2.53	64	1.72	44	11/16	1.50	38
16943-8-8	1/2	3/4x18	1/2	2.81	71	1.88	48	3/4	1.55	39

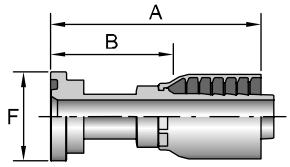


11543

SAE Code 61 Flange Head

ISO 12151-3 - S - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
11543-8-8	1/2	1/2	3.48	88	1-3/16	2.22	56
11543-10-10	5/8	5/8	3.78	96,0	1-11/32	2.34	59,4
11543-12-8	3/4	1/2	2.46	62,5	1-1/2	1.20	30,5
11543-12-12	3/4	3/4	3.54	90	1-1/2	2.10	53
11543-16-12	1	3/4	2.74	70	1-3/4	1.30	33
11543-16-16	1	1	4.25	108	1-3/4	2.63	67
11543-20-16	1-1/4	1	3.19	81	2	1.57	40
11543-20-20	1-1/4	1-1/4	4.70	119	2	3.01	76
11543-24-20^^	1-1/2	1-1/4	3.22	82	2-3/8	1.53	39
11543-24-24	1-1/2	1-1/2	4.59	117	2-3/8	3.22	82
11543-24-32	1-1/2	2	5.65	144	2-7/8	3.87	98
11543-32-20^^	2	1-1/4	4.29	109,0	2-13/16	2.60	66,0
11543-32-24	2	1-1/2	3.14	80	2-7/8	1.77	45
11543-32-32	2	2	4.99	127	2-13/16	3.21	82



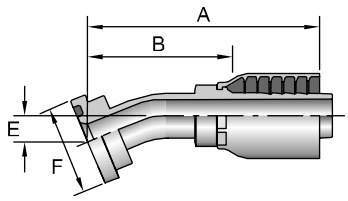
^^Must be assembled with a Superkrimp or Parkrimp 2.
See Accessories Section for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11643

SAE Code 61 Flange Head - 22-1/2° Elbow

ISO 12151-3 - E22M - L

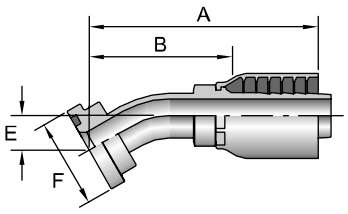


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11643-12-12	3/4	3/4	3.90	99	0.44	11	1-1/2	2.47	63
11643-16-12	1	3/4	3.89	99	0.44	11	1-3/4	2.46	62
11643-16-16	1	1	4.25	108	0.44	11	1-3/4	2.66	68
11643-20-16	1-1/4	1	4.25	108	0.44	11	2	2.66	68
11643-20-20	1-1/4	1-1/4	4.65	118	0.50	13	2	3.00	76
11643-24-20^^	1-1/2	1-1/4	4.66	118	0.51	13	2-3/8	3.01	76

12643

SAE Code 61 Flange Head - 30° Elbow

ISO 12151-3 - E30S - L (1 Piece: ISO 12151-3 - E30M - L)

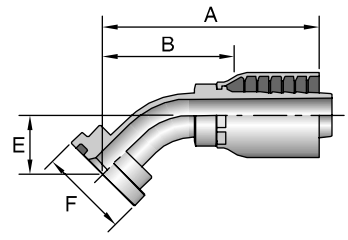


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
12643-12-12	3/4	3/4	3.90	99	0.59	15	1-1/2	2.46	62
12643-16-16	1	1	4.38	111	0.62	16	1-3/4	2.76	70
12643-20-16	1-1/4	1	4.38	111	0.62	16	2	2.76	70
12643-20-20	1-1/4	1-1/4	4.39	112	0.72	18	2	2.70	69

11743

SAE Code 61 Flange Head - 45° Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11743-8-8	1/2	1/2	3.28	83	0.77	20	1-3/16	2.02	51
11743-10-10	5/8	5/8	4.63	118	0.94	24	1-11/32	3.19	81
11743-12-8	3/4	1/2	3.32	84	0.81	21	1-1/2	2.06	52
11743-12-12	3/4	3/4	3.85	98	1.02	26	1-1/2	2.41	61
11743-16-12	1	3/4	3.85	98	1.02	26	1-3/4	2.41	61
11743-16-16	1	1	4.76	121	1.26	32	1-3/4	3.14	80
11743-20-16	1-1/4	1	4.76	121	1.26	32	2	3.14	80
11743-20-20^^	1-1/4	1-1/4	5.61	142	1.50	38	2	3.92	100
11743-20-24	1-1/4	1-1/2	5.45	138	1.38	35	2	4.08	104
11743-24-20^^	1-1/2	1-1/4	5.55	141	1.496	38	2-3/8	3.86	98
11743-24-24	1-1/2	1-1/2	5.50	140	1.43	36	2-3/8	4.13	105
11743-32-24	2	1-1/2	5.49	139	1.42	36	2-13/16	4.12	105
11743-32-32	2	2	7.23	184	1.98	50	2-13/16	5.45	138

^^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.
See Accessories Section for O-Rings and Flange Kits.

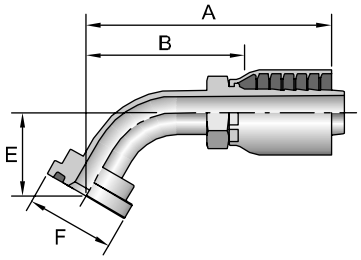
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

12743

SAE Code 61 Flange Head - 60° Elbow

ISO 12151-3 - E60S - L (1 Piece: ISO 12151-3 - E60M - L)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
12743-12-12	3/4	3/4	4.16	105	1.43	36	1-1/2	2.72	69
12743-16-12	1	3/4	4.15	105	1.39	35	1-3/4	2.71	69
12743-16-16	1	1	4.45	113	1.50	38	1-3/4	2.83	72
12743-20-20^^	1-1/4	1-1/4	5.09	129	1.69	43	2	3.40	86

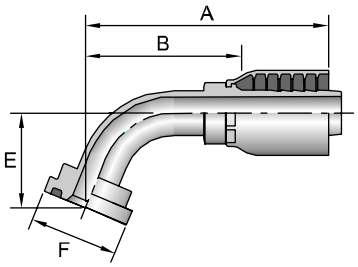


11843

SAE Code 61 Flange Head - 67-1/2° Elbow

ISO 12151-3 - E67S - L (1 Piece: ISO 12151-3 - E67M - L)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
11843-12-12	3/4	3/4	4.09	104	1.60	41	1-1/2	2.66	68
11843-16-16^	1	1	4.66	118	1.75	44	1-3/4	3.07	78
11843-20-20^^	1-1/4	1-1/4	5.04	128	1.94	49	2	3.37	86

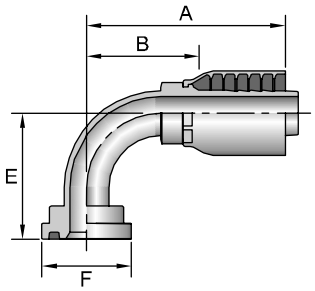


11943

SAE Code 61 Flange Head - 90° Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
11943-8-8	1/2	1/2	2.93	74	1.60	41	1-3/16	1.67	42
11943-10-10	5/8	5/8	3.71	94	2.10	53	1-11/32	2.27	58
11943-12-8	3/4	1/2	2.93	74	1.66	42	1-1/2	1.67	42
11943-12-10	3/4	5/8	3.71	94	2.10	53	1-1/2	2.27	58
11943-12-12	3/4	3/4	3.51	89	2.28	58	1-1/2	2.07	53
11943-16-8	1	1/2	2.91	74	2.03	52	1-3/4	1.65	42
11943-16-12	1	3/4	3.52	89	2.28	58	1-3/4	1.92	53
11943-16-16	1	1	4.28	109	2.78	71	1-3/4	2.66	68
11943-20-16	1-1/4	1	4.25	108	2.76	70	2	2.63	67
11943-20-20^^	1-1/4	1-1/4	5.12	130	3.54	90	2	3.43	87
11943-24-20^^	1-1/2	1-1/4	5.09	129	3.54	90	2-3/8	3.40	86
11943-20-24	1-1/4	1-1/2	4.19	106	2.49	63	2	2.82	72
11943-24-24	1-1/2	1-1/2	5.50	140	3.11	79	2-3/8	4.13	105
11943-32-24	2	1-1/2	5.48	139	3.10	79	2-13/16	4.11	104
11943-32-32	2	2	6.75	171	4.48	114	2-13/16	4.97	126



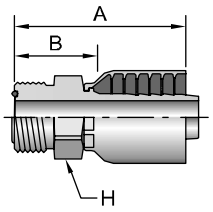
^Can not be assembled with KarryKrimp.
^^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.
See Accessories Section for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J043

Male Seal-Lok® - Rigid - (with O-Ring)

ISO 12151-1 - S

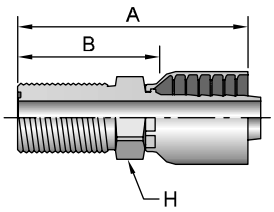


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1J043-4-4	1/4	9/16x18	1/4	1.73	44	5/8	0.98	25
1J043-6-6	3/8	11/16x16	3/8	2.08	53	3/4	1.05	27
1J043-8-6	1/2	13/16x16	3/8	2.20	56	7/8	1.17	30
1J043-8-8	1/2	13/16x16	1/2	2.42	61	7/8	1.17	30
1J043-10-8	5/8	1x14	1/2	2.61	66	1-1/16	1.35	34
1J043-10-10	5/8	1x14	5/8	2.73	69	1-1/16	1.34	34
1J043-12-10	3/4	1-3/16x12	5/8	2.89	73	1-1/4	1.45	37
1J043-12-12	3/4	1-3/16x12	3/4	2.90	74	1-1/4	1.46	37
1J043-16-12	1	1-7/16x12	3/4	2.93	74	1-1/2	1.49	38
1J043-16-16	1	1-7/16x12	1	3.29	84	1-1/2	1.67	42
1J043-20-20	1-1/4	1-11/16x12	1-1/4	3.32	84	1-3/4	1.63	41

1JB43

Male Seal-Lok® - Bulkhead without Locknut - (with O-Ring)

ISO 8434-3 - BH



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1JB43-4-4	1/4	9/16x18	1/4	2.58	66	5/8	1.83	46
1JB43-6-6	3/8	11/16x16	3/8	2.98	76	3/4	1.95	50
1JB43-8-6	1/2	13/16x16	3/8	3.41	87	7/8	2.38	60
1JB43-8-8	1/2	13/16x16	1/2	3.36	85	7/8	2.10	53
1JB43-10-8	5/8	1x14	1/2	3.58	91	1-1/16	2.32	59
1JB43-10-10	5/8	1x14	5/8	3.77	96	1-1/16	2.33	59
1JB43-12-12	3/4	1-3/16x12	3/4	3.87	98	1-1/4	2.43	62

Fittings are stocked less locknut (part no. WLN). Locknuts are manufactured by the Parker Tube Fittings Division and must be ordered separately.

See Accessories Section for O-Rings and Flange Kits.

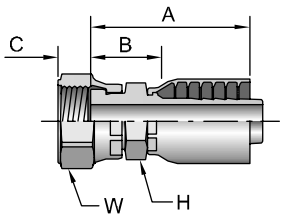
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1JC43

Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	C inch	C mm	H inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
1JC43-4-4	1/4	9/16x18	1/4	1.63	41	0.32	8	9/16	11/16	0.88	22	•
1JC43-4-4-SM	1/4	9/16x18	1/4	1.63	41	0.32	8	17 mm	17 mm	0.88	22	
1JC43-4-6	1/4	9/16x18	3/8	1.90	48	0.32	8	11/16	11/16	0.87	22	
1JC43-6-4	3/8	11/16x16	1/4	1.67	42	0.32	8	11/16	13/16	0.92	23	
1JC43-6-4-SM	3/8	11/16x16	1/4	1.67	42	0.32	8	17 mm	22 mm	0.92	23	
1JC43-6-5	3/8	11/16x16	5/16	1.65	42	0.32	8	11/16	13/16	0.90	23	
1JC43-6-6	3/8	11/16x16	3/8	1.94	49	0.32	8	11/16	13/16	0.91	23	•
1JC43-6-6-SM	3/8	11/16x16	3/8	1.94	49	0.32	8	19 mm	22 mm	0.91	23	
1JC43-8-6	1/2	13/16x16	3/8	2.00	51	0.43	11	13/16	15/16	0.97	25	
1JC43-8-6-SM	1/2	13/16x16	3/8	2.00	51	0.43	11	19 mm	24 mm	0.97	25	
1JC43-8-8	1/2	13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	0.96	24	•
1JC43-8-8-SM	1/2	13/16x16	1/2	2.22	56	0.43	11	22 mm	24 mm	0.96	24	
1JC43-10-8	5/8	1x14	1/2	2.30	58	0.53	13	15/16	1-1/8	1.04	26	
1JC43-10-8-SM	5/8	1x14	1/2	2.30	58	0.53	13	24 mm	30 mm	1.04	26	
1JC43-10-10	5/8	1x14	5/8	2.49	63	0.53	13	15/16	1-1/8	1.05	27	•
1JC43-10-10-SM	5/8	1x14	5/8	2.49	63	0.53	13	24 mm	30 mm	1.05	27	
1JC43-12-8	3/4	1-3/16x12	1/2	2.48	63	0.57	14	1-1/8	1-3/8	1.22	31	
1JC43-12-10	3/4	1-3/16x12	5/8	2.67	68	0.57	14	1-1/8	1-3/8	1.23	31	
1JC43-12-10-SM	3/4	1-3/16x12	5/8	2.67	68	0.57	14	32 mm	36 mm	1.23	31	
1JC43-12-12	3/4	1-3/16x12	3/4	2.68	68	0.57	14	1-1/8	1-3/8	1.24	31	•
1JC43-12-12-SM	3/4	1-3/16x12	3/4	2.68	68	0.57	14	32 mm	36 mm	1.24	31	
1JC43-12-16	3/4	1-3/16x12	1	2.99	76	0.57	14	1-5/16	1-3/8	1.37	35	
1JC43-16-12	1	1-7/16x12	3/4	2.83	72	0.58	15	1-3/8	1-5/8	1.39	35	
1JC43-16-16	1	1-7/16x12	1	3.14	80	0.58	15	1-3/8	1-5/8	1.52	39	•
1JC43-20-20	1-1/4	1-11/16x12	1-1/4	3.27	83	0.59	15	1-7/8	1-7/8	1.58	40	•



When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.
Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2.
See CrimpSource for more information.

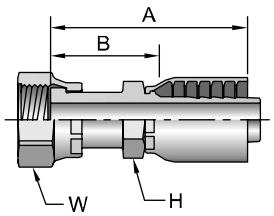
See Accessories Section for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1JS43

Female Seal-Lok® - Swivel - Long

ISO 12151-1 SWSB

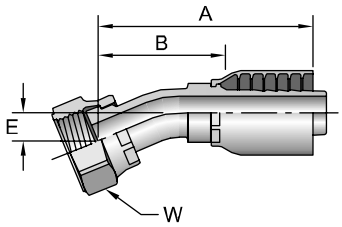


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JS43-4-4	1/4	9/16x18	1/4	2.07	53	9/16	11/16	1.32	34
1JS43-4-6	1/4	9/16x18	3/8	2.21	56	11/16	11/16	1.18	30
1JS43-6-4	3/8	11/16x16	1/4	2.14	54	9/16	13/16	1.39	35
1JS43-6-6	3/8	11/16x16	3/8	2.28	58	11/16	13/16	1.25	32
1JS43-6-8	3/8	11/16x16	1/2	2.50	64	13/16	13/16	1.24	31
1JS43-8-4	1/2	13/16x16	1/4	2.26	57	11/16	15/16	1.51	38
1JS43-8-6	1/2	13/16x16	3/8	2.53	64	11/16	15/16	1.50	38
1JS43-8-8	1/2	13/16x16	1/2	2.65	67	13/16	15/16	1.39	35
1JS43-8-10	1/2	13/16x16	5/8	2.82	72	15/16	15/16	1.38	35
1JS43-10-6	5/8	1x14	3/8	2.63	67	11/16	1-1/8	1.62	41
1JS43-10-8	5/8	1x14	1/2	2.89	73	13/16	1-1/8	1.63	41
1JS43-10-10	5/8	1x14	5/8	3.07	78	15/16	1-1/8	1.66	42
1JS43-10-12	5/8	1x14	3/4	3.08	78	1-1/16	1-1/8	1.64	42
1JS43-12-8	3/4	1-3/16x12	1/2	2.90	74	15/16	1-3/8	1.64	42
1JS43-12-10	3/4	1-3/16x12	5/8	3.19	81	1-1/8	1-3/8	1.75	44
1JS43-12-12	3/4	1-3/16x12	3/4	3.31	84	1-1/8	1-3/8	1.87	47
1JS43-12-16	3/4	1-3/16x12	1	3.53	90	1-5/16	1-3/8	1.91	49
1JS43-16-12	1	1-7/16x12	3/4	3.37	86	1-3/8	1-5/8	1.93	49
1JS43-16-16	1	1-7/16x12	1	3.62	92	1-3/8	1-5/8	2.00	51
1JS43-16-20	1	1-7/16x12	1-1/4	3.77	96	1-3/4	1-5/8	2.08	53
1JS43-20-16	1-1/4	1-11/16x12	1	3.64	92	1-3/8	1-7/8	2.02	51
1JS43-20-20	1-1/4	1-11/16x12	1-1/4	3.77	96	1-3/4	1-7/8	2.15	53
1JS43-24-20	1-1/2	2x12	1-1/4	3.88	99	1-3/4	2-1/4	2.23	57
1JS43-24-24	1-1/2	2x12	1-1/2	3.91	99	1-7/8	2-1/4	2.54	65

1J643

Female Seal-Lok® - Swivel - 22-1/2° Elbow

ISO 8434-3



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J643-8-8	1/2	13/16x16	1/2	3.06	78	0.39	10	15/16	1.80	46

See Accessories Section for O-Rings.

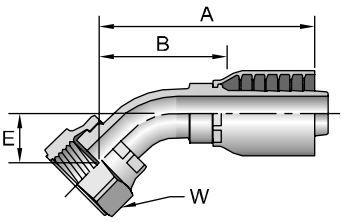
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J743

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J743-4-4	1/4	9/16x18	1/4	1.97	50	0.39	10	11/16	1.22	31
1J743-4-4-SM	1/4	9/16x18	1/4	1.97	50	0.39	10	17 mm	1.22	31
1J743-4-6	1/4	9/16x18	3/8	2.23	57	0.39	10	11/16	1.20	30
1J743-6-4	3/8	11/16x16	1/4	2.08	53	0.43	11	13/16	1.33	34
1J743-6-4-SM	3/8	11/16x16	1/4	2.08	53	0.43	11	22 mm	1.33	34
1J743-6-5	3/8	11/16x16	5/16	2.37	60	0.43	11	13/16	1.62	41
1J743-6-6	3/8	11/16x16	3/8	2.34	59	0.43	11	13/16	1.31	33
1J743-6-8	3/8	11/16x16	1/2	2.66	68	0.43	11	13/16	1.41	36
1J743-8-4	1/2	13/16x16	1/4	2.56	65	0.59	15	15/16	1.81	46
1J743-8-6	1/2	13/16x16	3/8	2.53	64	0.59	15	15/16	1.50	38
1J743-8-6-SM	1/2	13/16x16	3/8	2.53	64	0.59	15	24 mm	1.50	38
1J743-8-8	1/2	13/16x16	1/2	2.83	72	0.59	15	15/16	1.57	40
1J743-8-8-SM	1/2	13/16x16	1/2	2.83	72	0.59	15	24 mm	1.57	40
1J743-8-10	1/2	13/16x16	5/8	3.09	78	0.59	15	15/16	1.65	42
1J743-10-8	5/8	1x14	1/2	2.93	74	0.63	16	1-1/8	1.67	42
1J743-10-10	5/8	1x14	5/8	3.17	81	0.63	16	1-1/8	1.73	44
1J743-10-10-SM	5/8	1x14	5/8	3.17	81	0.63	16	30 mm	1.73	44
1J743-10-12	5/8	1x14	3/4	3.36	85	0.65	16	1-1/8	1.93	49
1J743-12-8	3/4	1-3/16x12	1/2	3.57	91	0.82	21	1-3/8	2.31	59
1J743-12-10	3/4	1-3/16x12	5/8	3.62	92	0.83	21	1-3/8	2.18	55
1J743-12-12	3/4	1-3/16x12	3/4	3.63	92	0.83	21	1-3/8	2.19	56
1J743-12-12-SM	3/4	1-3/16x12	3/4	3.63	92	0.83	21	36 mm	2.19	56
1J743-12-16	3/4	1-3/16x12	1	3.67	93	0.81	21	1-3/8	2.05	52
1J743-16-12	1	1-7/16x12	3/4	4.02	102	0.94	24	1-5/8	2.59	66
1J743-16-16	1	1-7/16x12	1	4.38	111	0.94	24	1-5/8	2.76	70
1J743-16-20	1	1-7/16x12	1-1/4	4.59	117	0.94	24	1-5/8	2.94	75
1J743-20-16	1-1/4	1-11/16x12	1	4.52	115	1.00	25	1-7/8	2.93	74
1J743-20-20	1-1/4	1-11/16x12	1-1/4	4.78	121	1.00	25	1-7/8	3.09	78
1J743-24-20	1-1/2	2x12	1-1/4	4.99	127	1.11	28	2-1/4	3.30	84
1J743-24-24	1-1/2	2x12	1-1/2	4.70	119	1.07	27	2-1/4	3.33	85



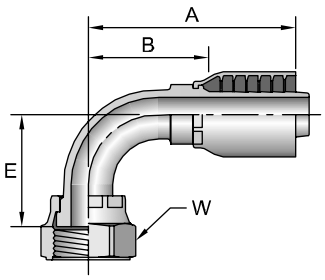
See Accessories Section for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J943

Female Seal-Lok® - Swivel - 90° Elbow - Short Drop

ISO 12151-1 - SWES90

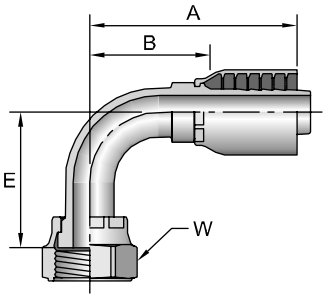


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J943-4-4	1/4	9/16x18	1/4	1.78	45	0.83	21	11/16	1.03	26
1J943-4-6	1/4	9/16x18	3/8	2.05	52	0.83	21	11/16	1.02	26
1J943-6-4	3/8	11/16x16	1/4	1.93	49	0.91	23	13/16	1.18	30
1J943-6-5	3/8	11/16x16	5/16	2.25	57	0.90	23	13/16	1.50	38
1J943-6-6	3/8	11/16x16	3/8	2.21	56	0.91	23	13/16	1.18	30
1J943-6-8	3/8	11/16x16	1/2	2.53	64	0.90	23	13/16	1.27	32
1J943-8-4	1/2	13/16x16	1/4	2.28	58	1.15	29	15/16	1.53	39
1J943-8-6	1/2	13/16x16	3/8	2.28	58	1.14	29	15/16	1.25	32
1J943-8-8	1/2	13/16x16	1/2	2.59	66	1.14	29	15/16	1.33	34
1J943-8-8-SM	1/2	13/16x16	1/2	2.59	66	1.14	29	24 mm	1.33	34
1J943-8-10	1/2	13/16x16	5/8	2.81	71	1.15	29	15/16	1.37	35
1J943-10-8	5/8	1x14	1/2	2.74	70	1.26	32	1-1/8	1.48	38
1J943-10-10	5/8	1x14	5/8	2.97	75	1.26	32	1-1/8	1.53	39
1J943-10-10-SM	5/8	1x14	5/8	2.97	75	1.26	32	30 mm	1.53	39
1J943-10-12	5/8	1x14	3/4	3.08	78	1.27	32	1-1/8	1.64	42
1J943-12-8	3/4	1-3/16x12	1/2	3.21	82	1.89	48	1-3/8	1.95	50
1J943-12-10	3/4	1-3/16x12	5/8	3.49	89	1.89	48	1-3/8	2.05	52
1J943-12-12	3/4	1-3/16x12	3/4	3.06	78	1.89	48	1-3/8	2.05	52
1J943-12-16	3/4	1-3/16x12	1	3.88	99	1.89	48	1-3/8	2.26	57
1J943-16-12	1	1-7/16x12	3/4	4.06	103	2.22	56	1-5/8	2.62	67
1J943-16-16	1	1-7/16x12	1	4.31	109	2.20	56	1-5/8	2.69	68
1J943-16-20	1	1-7/16x12	1-1/4	4.56	116	2.21	56	1-5/8	2.87	73
1J943-20-16	1-1/4	1-11/16x12	1	4.64	118	2.54	65	1-7/8	3.02	80
1J943-20-20	1-1/4	1-11/16x12	1-1/4	4.88	124	2.51	64	1-7/8	3.19	81
1J943-24-20	1-1/2	2x12	1-1/4	4.97	126	2.70	69	2-1/4	3.32	84
1J943-24-24	1-1/2	2x12	1-1/2	5.50	140	2.68	68	2-1/4	4.13	105

1J543

Female Seal-Lok® - Swivel - 90° Elbow - Medium Drop

ISO 12151-1 - SWSB



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J543-4-4	1/4	9/16x18	1/4	2.07	53	1.26	32	11/16	1.32	34
1J543-6-4	3/8	11/16x16	1/4	2.12	54	1.50	38	13/16	1.37	35
1J543-6-6	3/8	11/16x16	3/8	2.40	61	1.50	38	13/16	1.37	35
1J543-6-6-SM	3/8	11/16x16	3/8	2.40	61	1.50	38	22 mm	1.37	35
1J543-8-6	1/2	13/16x16	3/8	2.48	63	1.61	41	15/16	1.45	37
1J543-8-8	1/2	13/16x16	1/2	2.59	66	1.61	41	15/16	1.33	34
1J543-10-8	5/8	1x14	1/2	2.74	70	1.85	47	1-1/8	1.48	38
1J543-10-10	5/8	1x14	5/8	2.97	75	1.85	47	1-1/8	1.53	39
1J543-10-12	5/8	1x14	3/4	3.12	79	1.88	48	1-1/8	1.68	43
1J543-12-12	3/4	1-3/16x12	3/4	3.49	89	2.28	58	1-3/8	2.05	52
1J543-16-16	1	1-7/16x12	1	4.86	123	2.78	71	1-5/8	3.27	83
1J543-20-20	1-1/4	1-11/16x12	1-1/4	4.89	124	3.09	78	1-7/8	3.20	81

See Accessories Section for O-Rings.

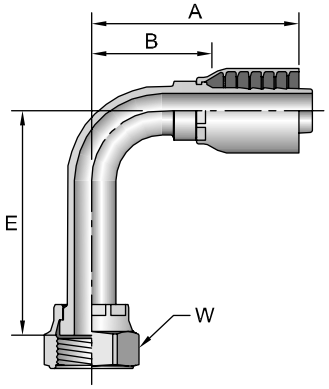
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J143

Female Seal-Lok® - Swivel - 90° Elbow - Long Drop

ISO 12151-1 - SWEL90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J143-4-4	1/4	9/16x18	1/4	2.02	51	1.81	46	11/16	1.27	32
1J143-6-4	3/8	11/16x16	1/4	2.26	57	2.29	58	13/16	1.51	38
1J143-6-6	3/8	11/16x16	3/8	2.39	61	2.13	54	13/16	1.36	35
1J143-8-6	1/2	13/16x16	3/8	2.45	62	2.52	64	15/16	1.42	36
1J143-8-8	1/2	13/16x16	1/2	2.59	66	2.52	64	15/16	1.33	34
1J143-8-8-SM	1/2	13/16x16	1/2	2.59	66	2.52	64	24 mm	1.33	34
1J143-10-8	5/8	1x14	1/2	2.74	70	2.79	71	1-1/8	1.48	38
1J143-10-10	5/8	1x14	5/8	2.97	75	2.76	70	1-1/8	1.53	39
1J143-10-12	5/8	1x14	3/4	3.15	80	2.76	70	1-1/8	1.73	44
1J143-12-12	3/4	1-3/16x12	3/4	3.49	89	3.78	96	1-3/8	2.05	52
1J143-16-16	1	1-7/16x12	1	4.28	109	4.49	114	1-5/8	2.66	68
1J143-20-20	1-1/4	1-11/16x12	1-1/4	4.84	123	5.09	129	1-7/8	3.15	80
1J143-24-20	1-1/2	2x12	1-1/4	4.77	121	5.54	141	2-1/4	3.12	79

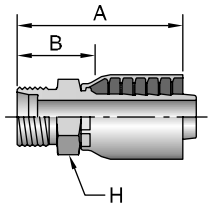


1D043

Male Metric L - Rigid - (24° Cone)

ISO 8434-1

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D043-6-4	6	M12x1,5	1/4	1.73	44	14	0.93	24
1D043-8-4	8	M14x1,5	1/4	1.61	41	14	0.93	24
1D043-10-5	10	M16x1,5	5/16	1.97	50	19	0.83	21
1D043-10-6	10	M16x1,5	3/8	1.97	50	19	0.83	21
1D043-12-5	12	M18x1,5	5/16	1.89	48	19	0.94	24
1D043-12-6	12	M18x1,5	3/8	1.97	50	19	0.83	21
1D043-15-6	15	M22x1,5	3/8	1.93	49	22	1.02	26
1D043-15-8	15	M22x1,5	1/2	2.28	58	22	0.94	24
1D043-18-10	18	M26x1,5	5/8	2.68	68	27	1.14	29
1D043-18-12	18	M26x1,5	3/4	2.68	68	27	1.14	29
1D043-22-12	22	M30x2	3/4	2.72	69	30	1.22	31
1D043-28-16	28	M36x2	1	3.11	79	36	1.30	33
1D043-35-20	35	M45x2	1-1/4	3.35	85	46	1.50	38



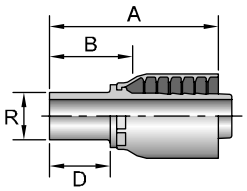
11D43

Male Standpipe Metric L - Rigid

ISO 8434-1

# Part Number	R mm	Hose I.D. inch	A inch	A mm	D inch	D mm	B inch	B mm
11D43-6-4	6	1/4	2.03	52	0.87	22	1.28	33
11D43-10-5	10	5/16	2.36	60	0.91	23	1.45	37
11D43-10-6	10	3/8	2.28	58	0.91	23	1.14	29
11D43-12-4	12	1/4	2.17	55	0.91	23	1.22	31
11D43-15-8	15	1/2	2.56	65	0.98	25	1.22	31
11D43-18-10	18	5/8	2.99	76	1.02	26	1.48	38
11D43-18-12	18	3/4	2.80	71	1.02	26	1.22	31
11D43-22-12	22	3/4	2.87	73	1.10	28	1.26	32
11D43-28-16	28	1	3.31	84	1.18	30	1.46	37

Metric L: Mates with EO "L" Series Fittings. See Accessories Section for O-Rings.

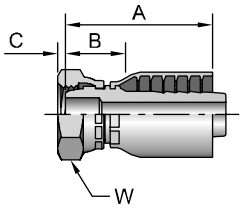


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1C343

Female Metric L - Swivel - (Ball Nose)

ISO 8434-1



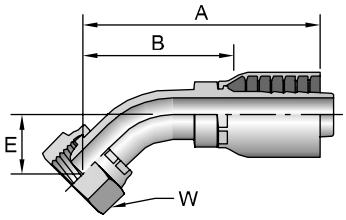
# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1C343-6-4	6	M12x1,5	1/4	1.75	44	0.09	2	14	1.16	29
1C343-8-4	8	M14x1,5	1/4	1.77	45	0.11	3	17	1.16	29
1C343-10-5	10	M16x1,5	5/16	2.01	51	0.06	2	19	1.20	30
1C343-10-6	10	M16x1,5	3/8	2.06	52	0.06	2	19	1.10	28
1C343-12-5	12	M18x1,5	5/16	1.87	47	0.10	3	22	0.70	18
1C343-12-6	12	M18x1,5	3/8	2.23	57	0.10	3	22	1.18	30
1C343-15-6	6	M22x1,5	3/8	1.85	47	0.16	4	27	0.71	18
1C343-15-8	15	M22x1,5	1/2	2.42	61	0.17	4	27	1.29	33
1C343-18-10	18	M26x1,5	5/8	2.65	67	0.10	3	32	1.23	31
1C343-18-12	18	M26x1,5	3/4	2.80	71	0.10	3	32	1.37	35
1C343-22-12	22	M30x2	3/4	2.87	73	0.18	5	36	1.42	36
1C343-28-16	28	M36x2	1	3.35	85	0.22	6	46	1.76	45

When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

1C443

Female Metric L - Swivel - 45° Elbow - (Ball Nose)

ISO 8434-1

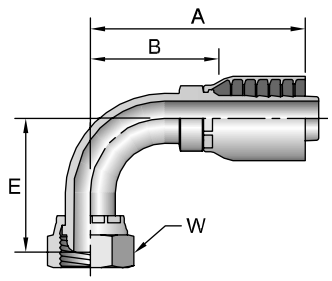


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1C443-8-4	8	M14x1,5	1/4	2.40	61	0.59	15	17	1.50	38
1C443-10-5	10	M16x1,5	5/16	2.60	66	0.67	17	19	1.61	41
1C443-10-6	10	M16x1,5	3/8	2.76	70	0.67	17	19	1.61	41
1C443-12-6	12	M18x1,5	3/8	2.76	70	0.67	17	22	1.61	41
1C443-15-8	15	M22x1,5	1/2	3.35	85	0.79	20	27	1.97	50
1C443-18-10	18	M26x1,5	5/8	4.09	104	1.14	29	32	2.52	64
1C443-22-12	22	M30x2	3/4	3.78	96	0.91	23	36	2.20	56
1C443-28-16	28	M36x2	1	4.53	115	1.10	28	46	2.81	71

1C543

Female Metric L - Swivel - 90° Elbow - (Ball Nose)

ISO 8434-1



# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1C543-8-4	8	M14x1,5	1/4	2.05	52	1.10	28	17	1.18	30
1C543-10-5	10	M16x1,5	5/16	2.20	56	1.18	30	19	1.22	31
1C543-10-6	10	M16x1,5	3/8	2.40	61	1.18	30	19	1.40	36
1C543-12-6	12	M18x1,5	3/8	2.40	61	1.22	31	22	1.40	36
1C543-15-8	15	M22x1,5	1/2	2.95	75	1.57	40	27	1.57	40
1C543-18-10	18	M26x1,5	5/8	3.58	91	2.36	60	32	2.05	52
1C543-22-12	22	M30x2	3/4	3.58	91	1.97	50	36	2.00	51
1C543-28-16	28	M36x2	1	4.33	110	2.48	63	46	2.56	65

Metric L: Mates with EO "L" Series Fittings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

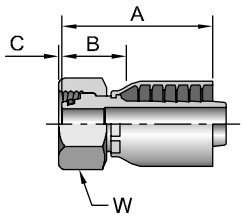
1CA43

Female Metric L - Swivel - (24° Cone with O-Ring)

ISO 12151-2 - SWS

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	W mm	B inch	B mm
1CA43-6-4	6	M12x1,5	1/4	1.81	46	-0.02	14	1.06	27
1CA43-8-4	8	M14x1,5	1/4	1.68	43	-0.01	17	0.88	22
1CA43-8-5	8	M14x1,5	5/16	2.01	51	0.00	17	1.02	26
1CA43-10-4	10	M16x1,5	1/4	1.81	46	0.04	19	0.87	22
1CA43-10-5	10	M16x1,5	5/16	1.73	44	0.04	19	0.82	21
1CA43-12-5	12	M18x1,5	5/16	1.81	46	0.04	22	0.91	23
1CA43-12-6	12	M18x1,5	3/8	2.17	55	0.03	22	1.02	26
1CA43-15-8	15	M22x1,5	1/2	2.52	64	0.07	27	1.14	29
1CA43-18-10	18	M26x1,5	5/8	3.02	77	0.02	32	1.61	41
1CA43-18-12	18	M26x1,5	3/4	2.56	65	0.02	32	1.11	28
1CA43-22-12	22	M30x2	3/4	2.83	72	0.13	36	1.30	33
1CA43-28-16	28	M36x2	1	3.35	85	0.14	46	1.57	40
1CA43-35-20	35	M45x2	1-1/4	3.28	83	0.00	50	1.55	39

When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

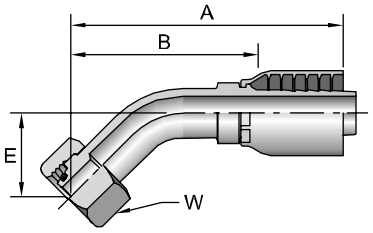


1CE43

Female Metric L - Swivel - 45° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE45

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1CE43-6-4	6	M12x1,5	1/4	2.76	70	0.75	19	14	1.81	46
1CE43-8-4	8	M14x1,5	1/4	2.32	59	0.63	16	17	1.38	35
1CE43-10-5	10	M16x1,5	5/16	2.64	67	0.63	16	19	1.73	44
1CE43-10-6	10	M16x1,5	3/8	3.43	87	0.73	19	19	2.44	62
1CE43-12-6	12	M18x1,5	3/8	2.87	73	0.87	22	22	1.73	44
1CE43-15-8	15	M22x1,5	1/2	3.39	86	0.87	22	27	2.00	51
1CE43-18-10	18	M26x1,5	5/8	3.58	91	0.98	25	32	2.05	52
1CE43-22-12	22	M30x2	3/4	3.82	97	0.98	25	36	2.28	58



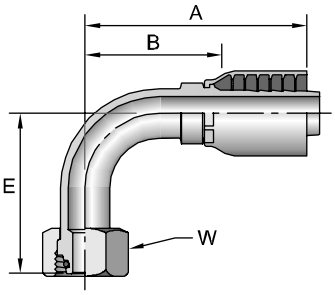
1CF43

Female Metric L - Swivel - 90° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1CF43-8-4	8	M14x1,5	1/4	2.01	51	1.14	29	17	1.10	28
1CF43-10-5	10	M16x1,5	5/16	2.3	58	1.16	29	19	1.46	37
1CF43-10-6	10	M16x1,5	3/8	2.56	65	1.38	35	19	1.58	40
1CF43-12-5	12	M18x1,5	5/16	2.40	61	1.18	30	22	1.46	37
1CF43-12-6	12	M18x1,5	3/8	2.40	61	1.22	31	22	1.40	36
1CF43-15-8	15	M22x1,5	1/2	2.95	75	1.65	42	27	1.57	40
1CF43-18-10	18	M26x1.5	5/8	3.17	81	1.77	45	32	1.71	43
1CF43-22-12	22	M30x2	3/4	3.54	90	2.09	53	36	2.00	51
1CF43-35-20	35	M45x2	1-1/4	4.72	120	3.11	79	50	2.87	73

Metric L: Mates with EO "L" Series Fittings.

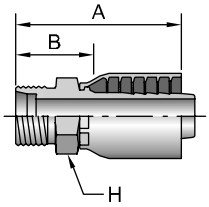


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1D243

Male Metric S - Rigid - (24° Cone)

ISO 8434-1

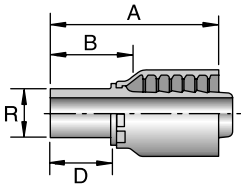


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D243-8-4	8	M16x1,5	1/4	1.73	44	17	0.87	22
1D243-10-4	10	M18x1,5	1/4	1.73	44	19	0.87	22
1D243-12-5	12	M20x1,5	5/16	2.20	56	22	1.29	33
1D243-12-6	12	M20x1,5	3/8	1.97	50	22	1.02	26
1D243-14-6	14	M22x1,5	3/8	2.17	55	22	0.98	25
1D243-16-8	16	M24x1,5	1/2	2.36	60	24	1.17	30
1D243-20-10	20	M30x2	5/8	2.95	75	30	1.44	37
1D243-25-12	25	M36x2	3/4	2.87	73	36	1.30	33
1D243-30-16	30	M42x2	1	3.39	86	46	1.54	39

13D43

Male Standpipe Metric S - Rigid

ISO 8434-1



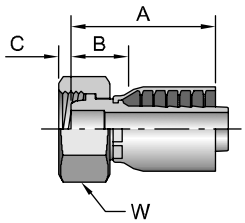
# Part Number	R mm	Hose I.D. inch	A inch	A mm	D inch	D mm	B inch	B mm
13D43-10-4	10	1/4	2.13	54	1.02	26	1.26	32
13D43-12-5	12	5/16	2.52	64	1.02	26	1.61	41
13D43-14-6	14	3/8	2.52	64	1.14	29	1.38	35
13D43-16-8	16	1/2	2.68	68	1.18	30	1.42	36
13D43-20-10	20	5/8	3.39	86	1.42	36	1.88	48
13D43-20-12	20	3/4	3.19	81	1.42	36	1.57	40
13D43-25-12	25	3/4	3.35	85	1.57	40	1.73	44
13D43-30-16	30	1	3.82	97	1.73	44	2.01	51

Light Series 11D43-6-4, 11D43-8-4 and 11D43-12-6 are used in place of their Heavy Series equivalent size and accept the EO Heavy “S” Series ferrules and nuts.

1C643

Female Metric S - Swivel - (Ball Nose)

ISO 8434-1



# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1C643-8-4	8	M16x1,5	1/4	1.57	40	0.15	4	19	1.20	30
1C643-10-4	10	M18x1,5	1/4	1.63	41	0.10	3	22	1.20	30
1C643-12-5	12	M20x1,5	5/16	1.87	47	0.08	2	24	1.20	30
1C643-12-6	12	M20x1,5	3/8	1.76	45	0.08	2	24	1.32	34
1C643-12-8	12	M20x1,5	1/2	2.18	55	0.08	2	24	1.30	33
1C643-14-6	14	M22x1,5	3/8	1.94	49	0.17	4	27	1.32	34
1C643-16-8	16	M24x1,5	1/2	2.13	54	0.19	5	30	1.39	35
1C643-20-10	20	M30x2	5/8	2.38	60	0.21	5	36	1.39	35
1C643-20-12	20	M30x2	3/4	2.46	62	0.21	5	40	1.03	37
1C643-25-12	25	M36x2	3/4	2.48	63	0.28	7	46	1.56	40
1C643-30-16	30	M42x2	1	2.89	73	0.37	9	50	1.95	50

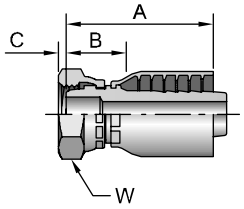
Metric L: Mates with EO “L” Series Fittings.
Metric S: Mates with EO “S” Series Fittings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1C043

Female Metric - Swivel - (Ball Nose)

# Part Number	Thread		Hose I.D.	A		C		W	B	
	mm		inch	inch	mm	inch	mm	mm	inch	mm
1C043-20-12	20	M30x1,5	3/4	2.48	63	0.21	5	36	0.94	24
1C043-25-16	25	M38x1,5	1	2.99	76	0.28	7	46	1.14	29

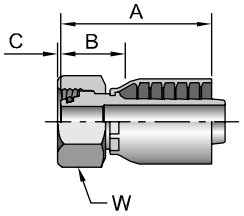


1C943

Female Metric S - Swivel - (24˚ Cone with O-Ring)

ISO 12151-2 - SWS

# Part Number	Thread		Hose I.D.	A		C		W	B	
	mm		inch	inch	mm	inch	mm	mm	inch	mm
1C943-6-4	6	M14x1,5	1/4	1.89	48	0.01	0	17	1.02	26
1C943-8-4	8	M16x1,5	1/4	1.64	42	0.01	0	19	1.18	30
1C943-10-4	10	M18x1,5	1/4	1.64	42	0.01	0	22	1.18	30
1C943-10-5	10	M18x1,5	5/16	1.81	46	0.01	0	22	0.87	22
1C943-10-6	10	M18x1,5	3/8	1.97	50	0.01	0	22	0.83	21
1C943-12-5	12	M20x1,5	5/16	1.80	46	0.03	1	24	0.99	25
1C943-12-5	12	M20x1,5	5/16	1.89	48	0.03	1	24	0.94	24
1C943-12-6	12	M20x1,5	3/8	1.99	51	0.03	1	24	1.04	26
1C943-14-6	14	M22x1,5	3/8	2.05	52	0.03	1	27	1.17	30
1C943-16-8	16	M24x1,5	1/2	2.33	59	0.09	2	30	1.15	29
1C943-20-10	20	M30x2	5/8	2.59	66	0.05	1	36	1.22	31
1C943-20-12	20	M30x2	3/4	2.59	66	0.05	1	36	1.22	31
1C943-25-12	25	M36x2	3/4	2.67	68	0.10	3	46	1.24	31
1C943-25-16	25	M36x2	1	3.05	77	0.08	2	46	1.43	36
1C943-30-16	30	M42x2	1	3.19	81	0.19	5	50	1.60	41
1C943-38-20^^	38	M52x2	1-1/4	3.35	85	0.23	6	60	1.70	43



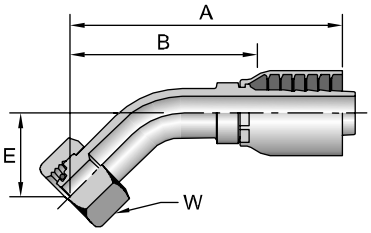
^^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.

10C43

Female Metric S - Swivel - 45˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE45

# Part Number	Thread		Hose I.D.	A		E		W	B	
	mm		inch	inch	mm	inch	mm	mm	inch	mm
10C43-8-4	8	M16x1,5	1/4	2.32	59	0.63	16	19	1.38	35
10C43-12-5	12	M20x1,5	5/16	2.80	71	0.67	17	24	1.85	47
10C43-12-6	12	M20x1,5	3/8	3.28	83	0.87	22	24	2.28	58
10C43-16-8	16	M24x1,5	1/2	3.96	101	0.96	24	30	2.71	69
10C43-20-10	20	M30x2	5/8	4.78	121	1.12	28	36	3.37	86
10C43-20-12	20	M30x2	3/4	3.94	100	1.14	29	36	2.36	60
10C43-25-12	25	M36x2	3/4	3.97	101	1.06	27	46	2.40	61
10C43-30-16	30	M42x2	1	4.65	118	1.22	31	50	2.87	73
10C43-38-20^^	38	M52x2	1-1/4	4.96	126	1.30	33	60	1.89	48

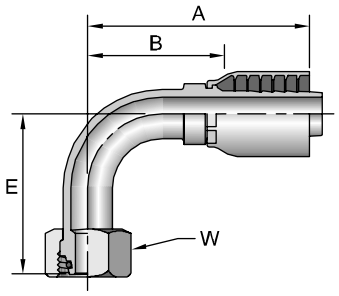


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11C43

Female Metric S - Swivel - 90˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE

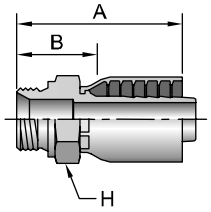


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
11C43-8-4	8	M16x1,5	1/4	1.83	46	1.26	32	19	1.41	36
11C43-10-4	10	M18x1,5	1/4	2.45	62	1.34	34	22	1.71	43
11C43-12-5	12	M20x1,5	5/16	2.30	58	1.22	31	24	1.51	38
11C43-12-6	12	M20x1,5	3/8	2.36	60	1.22	31	24	1.42	36
11C43-14-6	14	M22x1,5	3/8	2.35	60	1.48	38	27	1.35	34
11C43-16-8	16	M24x1,5	1/2	2.94	75	1.75	44	30	1.69	43
11C43-20-10	20	M30x2	5/8	3.45	88	2.17	55	36	2.04	52
11C43-25-12	25	M36x2	3/4	3.74	95	2.17	55	46	2.22	56
11C43-30-16	30	M42x2	1	4.45	113	2.64	67	50	2.64	67
11C43-38-20^^	38	M52x2	1-1/4	5.67	144	2.87	73	60	2.99	76

1D943

Male BSP Parellel Pipe - Rigid - (60° Cone)

ISO 228-1



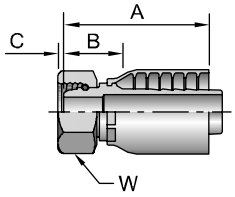
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D943-4-4	1/4x19	1/4	1.77	45	19	0.91	23
1D943-6-5	3/8x19	5/16	2.13	54	22	1.22	31
1D943-6-6	3/8x19	3/8	2.13	54	22	1.22	31
1D943-8-6	1/2x14	3/8	2.36	60	27	1.22	31
1D943-8-8	1/2x14	1/2	2.44	62	27	1.10	28
1D943-12-12	3/4x14	3/4	2.76	70	32	1.18	30
1D943-16-16	1x11	1	3.23	82	41	1.38	35

When used in a port, a bonded seal must be used. See Accessories Section for more information.

19243

Female BSP Parallel Pipe - Swivel - (60° Cone)

ISO 228-1



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
19243-2-4	1/8x28	1/4	1.61	41	0.20	5	14	0.67	17
19243-4-4	1/4x19	1/4	1.95	50	0.22	6	19	1.20	30
19243-6-4	3/8x19	1/4	1.73	44	0.26	7	22	0.79	20
19243-6-6	3/8x19	3/8	2.35	60	0.26	7	22	1.32	34
19243-6-8	3/8x19	1/2	2.17	55	0.26	7	22	0.79	20
19243-8-6	1/2x14	3/8	2.01	51	0.28	7	27	0.87	22
19243-8-8	1/2x14	1/2	2.72	69	0.28	7	27	1.46	37
19243-10-8	5/8x14	1/2	2.80	71	0.37	9	30	1.54	39
19243-10-10	5/8x14	5/8	2.99	76	0.37	9	30	1.55	39
19243-12-10	3/4x14	5/8	3.11	79	0.35	9	36	1.67	42
19243-12-12	3/4x14	3/4	3.19	81	0.35	9	36	1.75	44
19243-16-16	1x11	1	3.67	93	0.44	11	41	2.05	52
19243-20-20	1-1/43	1-1/4	3.11	79	0.41	11	50	1.26	32

When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

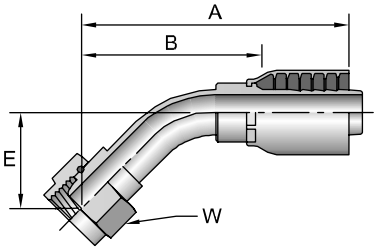
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1B143

Female BSP Parallel Pipe - Swivel - 45° Elbow - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1B143-4-4	1/4x19	1/4	2.44	62	0.63	16	19	1.54	39
1B143-6-6	3/8x19	3/8	3.25	83	0.79	20	22	2.25	57
1B143-8-8	1/2x14	1/2	3.35	85	0.79	20	27	1.97	50
1B143-10-10	5/8x14	5/8	4.03	102	0.85	22	30	2.62	67
1B143-12-10	3/4x14	5/8	4.09	104	1.14	29	32	2.52	64
1B143-12-12	3/4x14	3/4	4.02	102	1.14	29	32	2.44	62
1B143-16-16	1x11	1	4.53	115	1.14	29	41	2.76	70

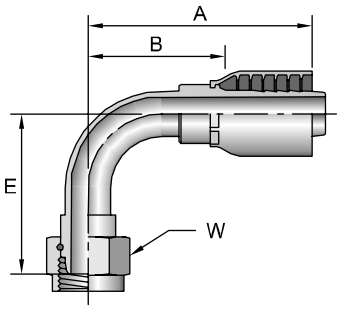


1B243

Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1B243-2-4	1/8x28	1/4	1.97	50	1.10	28	14	1.02	26
1B243-4-4	1/4x19	1/4	1.83	46	1.12	28	19	1.08	27
1B243-6-6	3/8x19	3/8	2.32	59	1.46	37	22	1.32	34
1B243-8-6	1/2x14	3/8	2.60	66	1.38	35	27	1.46	37
1B243-8-8	1/2x14	1/2	2.95	75	1.57	40	27	1.57	40
1B243-10-8	5/8x14	1/2	2.91	74	1.57	40	30	1.54	39
1B243-10-10	5/8x14	5/8	3.13	80	1.57	40	30	1.72	44
1B243-12-10	3/4x14	5/8	3.62	92	2.32	59	32	2.05	52
1B243-12-12	3/4x14	3/4	3.58	91	2.32	59	32	2.00	51
1B243-16-16	1x11	1	4.33	110	2.48	63	41	2.56	65
1B243-20-20	1-1/4x11	1-1/4	4.72	120	2.99	76	50	2.87	73

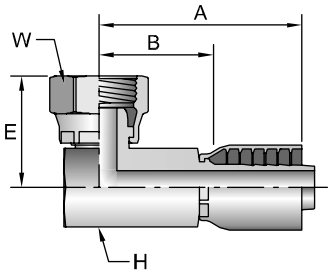


1B443

Female BSP Parallel Pipe - Swivel - 90° Elbow - Block Type - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	H mm	W mm	B inch	B mm
1B443-4-4	1/4x19	1/4	2.40	61	1.14	29	17	19	1.40	36
1B443-6-6	3/8x19	3/8	2.76	70	1.02	26	19	22	1.42	36
1B443-8-8	1/2x14	1/2	3.19	81	1.02	26	22	27	1.57	40
1B443-12-12	3/4x14	3/4	3.30	84	1.30	33	23	32	0.98	25



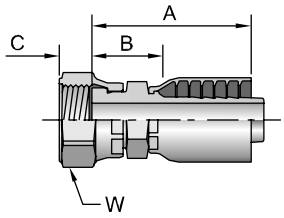
Metric S: Mates with EO "S" Series Fittings.
When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1B543

Female BSP Parallel Pipe - Swivel - (Flat Seat)

ISO 228-1

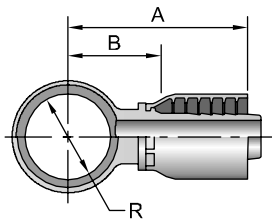


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1B543-6-6	3/8x19	3/8	1.93	49	0.35	9	22	0.79	20
1B543-8-6	1/2x14	3/8	1.89	48	0.43	11	27	0.75	19
1B543-8-8	1/2x14	1/2	2.28	58	0.43	11	27	0.94	24
1B543-12-12	3/4x14	3/4	2.28	58	0.33	8	32	0.94	24

When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

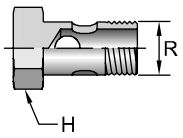
14943

DIN Metric Banjo



# Part Number	R mm	Hose I.D. inch	A inch	A mm	B inch	B mm
14943-10-4	10		1.85	47	0.94	24
14943-12-4	12	1/4	1.85	47	0.98	25
14943-14-5	14	5/16	2.01	51	1.06	27
14943-16-6	16	3/8	2.28	58	1.14	29
14943-18-8	18	1/2	2.60	66	1.22	31
14943-22-10	22	5/8	2.91	74	1.38	35
14943-26-12	26	3/4	3.07	78	1.54	39

AM Banjo Bolt w/DIN Metric Thread



# Part Number	R Thread mm		H mm	Copper Washer 2
AM-03	8	M8x1	12	853009-8
AM-04	10	M10x1	14	853009-10
AM-06	12	M12x1,5	17	853009-12
AM-08	14	M14x1,5	19	853009-14
AM-10	16	M16x1,5	22	853009-16
AM-13	18	M18x1,5	24	853009-18
AM-16	22	M22x1,5	27	853009-22
AM-20	26	M26x1,5	32	853009-26
AM-30	30	M30x1,5	36	853009-30

Two (2) copper washers per bolt must be ordered separately.

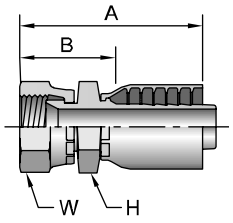
Metric S: Mates with EO "S" Series Fittings.
^^Must be assembled with Die Part No. 83C-A20H in a Superkrimp or Parkrimp 2.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1MU43

Female Metric - Swivel - (30° Flare)

# Part Number	Thread mm	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1MU43-4-4	M14x1,5	1/4	2.07	53	19	19	1.32	34
1MU43-6-4	M18x1,5	1/4	2.18	55	24	24	1.43	36
1MU43-6-6	M18x1,5	3/8	2.45	62	24	24	1.42	36
1MU43-8-8	M22x1,5	1/2	2.84	72	27	27	1.58	40

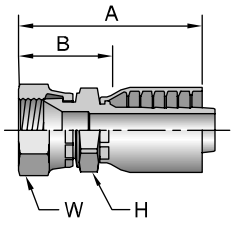


Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining the 1MU43 fittings in sizes up to -8 with the 1XU43 fittings in sizes -10 and larger.

1XU43

Female Metric - Swivel - (30° Flare)

# Part Number	Thread mm	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1XU43-10-10	M24x1,5	5/8	3.25	83	30	32	1.81	46
1XU43-12-12	M30x1,5	3/4	3.40	86	32	36	1.96	50
1XU43-16-16	M33x1,5	1	4.03	102	36	41	2.41	61
1XU43-20-20	M36x1,5	1-1/4	4.19	106	46	46	2.50	64
1XU43-24-24	M42x1,5	1-1/2	4.12	105	50	55	2.75	70



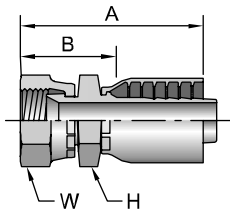
Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining the 1MU43 fittings in sizes up to -8 with the 1XU43 fittings in sizes -10 and larger.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1FU43

Female BSP Parallel Pipe - Swivel - (30° Flare)

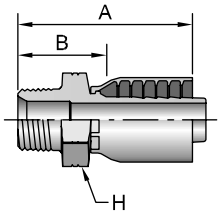
ISO 228-1



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1FU43-4-4	1/4x19	1/4	1.90	48	19	19	1.15	29
1FU43-6-6	3/8x19	3/8	2.32	59	22	22	1.29	33
1FU43-8-8	1/2x14	1/2	2.66	68	27	27	1.40	36
1FU43-12-12	3/4x14	3/4	3.06	78	36	36	1.62	41
1FU43-16-16	1x11	1	3.53	90	41	41	1.91	49
1FU43-20-20	1-1/4x11	1-1/4	3.87	98	50	50	2.18	55

1UT43

Male BSP Taper Pipe - Rigid - (60° Cone)

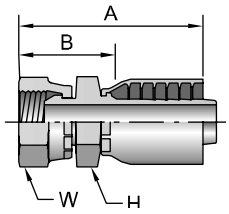


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1UT43-4-4	1/4x19	1/4	1.92	49	19	1.17	30
1UT43-6-6	3/8x19	3/8	2.25	57	22	1.22	31
1UT43-8-8	1/2x14	1/2	2.68	68	27	1.42	36
1UT43-12-12	3/4x14	3/4	2.96	75	36	1.53	39
1UT43-16-16	1x11	1	3.48	88	41	1.86	47
1UT43-20-20	1-1/4x11	1-1/4	3.75	95	50	2.10	53

1GU43

Female BSP Parallel Pipe - Swivel - (60° Cone)

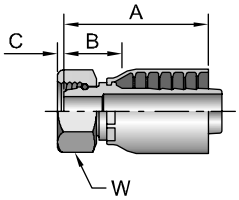
ISO 228-1



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1GU43-4-4	1/4x19	1/4	2.08	53	19	19	1.33	34
1GU43-6-6	3/8x19	3/8	2.45	62	22	22	1.42	36
1GU43-8-8	1/2x14	1/2	2.81	71	27	27	1.56	40
1GU43-12-12	3/4x14	3/4	3.24	82	36	36	1.81	46
1GU43-16-16	1x11	1	3.74	95	41	41	2.12	54
1GU43-20-20	1-1/4x11	1-1/4	4.07	103	50	50	2.38	60

1F443

Female French Gaz Series - Swivel - (Ball Nose)



# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1F443-27-12	27	M36x1,5	3/4	3	76	0.14	4	55	1.14	29

When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

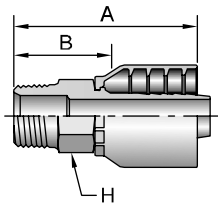
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	10170 B-58 *Male - Rigid*	**JIC 37˚**	10370 B-58 *Male - Rigid*	10670 B-58 *Female - Swivel*	13970 B-58 *Female - Swivel 90˚ Elbow - Short*
Code 61 Flange	11770 B-59 *45˚ Elbow*	11970 B-59 *90˚ Elbow*	**Code 62 Flange**	16A70 B-59 *Flange Head*	16N70 B-60 *90˚ Elbow*
Seal-Lok® (O-Ring Face Seal)	1JC70 B-60 *Female - Swivel Short*	1JS70 B-60 *Female - Swivel Long*	1J770 B-60 *Femal - Swivel 45˚ Elbow*	1J970 B-61 *Female - Swivel 90˚ Elbow - Short*	1J570 B-61 *Female - Swivel 90˚ Elbow - Medium*
1J170 B-61 *Female - Swivel 90˚ Elbow - Long*	**BSP 60˚ Cone**	1GU70 B-62 *Female - Swivel*	**French Gaz**	1FG70 B-62 *Male - Rigid*	**Metric**
10C70 B-63 *Female Metric S - Swivel - 45° Elbow*	11C70 B-63 *Female Metric S - Swivel - 90° Elbow*	19270 B-63 *Female BSP - Swivel - 60° Cone*	1B170 B-63 *Female BSP - Swivel - 45° Elbow*	1B270 B-64 *Female BSP - Swivel - 90° Elbow*	1C970 B-64 *Female - Swivel*
1CA70 B-64 *Female Metric L - Swivel - 24° Cone*	1CE70 B-64 *Female Metric L - Swivel - 45° Elbow*	1CF70 B-65 *Female Metric L - Swivel - 90° Elbow*	1D270 B-65 *Male Metric S - Rigid*	1D970 B-65 *Male - BSP - Rigid*	

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10170

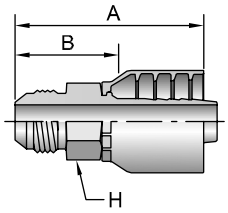
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10170-6-6	3/8x18	3/8	2.37	60	3/4	1.47	37
10170-8-8	1/2x14	1/2	2.84	72	7/8	1.40	36

10370

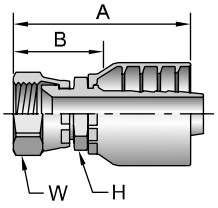
Male JIC 37˚ - Rigid



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10370-8-8	1/2	3/4x16	1/2	2.68	68	7/8	1.47	37
10370-10-8	5/8	7/8x14	1/2	2.62	66	15/16	1.41	36

10670

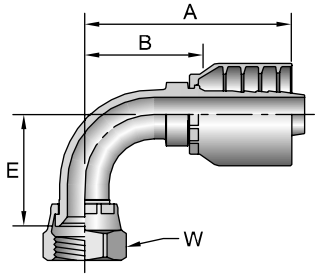
Female JIC 37° - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
10670-6-6	3/8	9/16x18	3/8	2.29	58	11/16	11/16	1.39	35
10670-8-8	1/2	3/4x16	1/2	2.62	67	13/16	7/8	1.41	36
10670-10-8	5/8	7/8x14	1/2	2.85	72	7/8	1	1.64	42
10670-10-10	5/8	7/8x14	5/8	2.84	72	15/16	1	1.59	40

13970

Female JIC 37° - Swivel - 90° Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13970-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.41	36

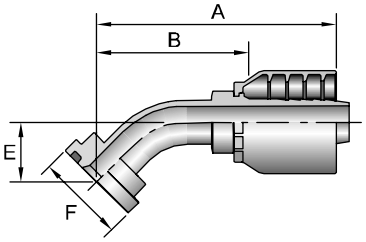
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11770

SAE Code 61 Flange Head - 45˚ Elbow

ISO 12151-3 - 45S - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11770-8-8	1/2	1/2	3.28	83	0.77	20	1-3/16	2.07	53
11770-12-10	3/4	5/8	3.37	86	0.76	19	1-1/2	2.12	54

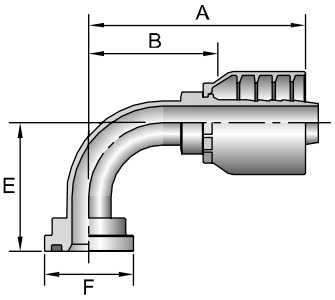


11970

SAE Code 61 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11970-8-8	1/2	1/2	2.93	74	1.60	41	1-3/16	1.72	44
11970-12-10	3/4	5/8	3.54	90	2.02	51	1-1/2	2.29	58

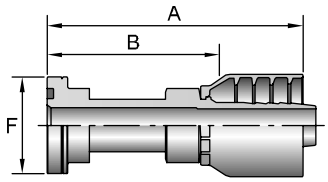


16A70

SAE Code 62 Flange Head

ISO 12151-3 - S - S

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
16A70-8-8	1/2	1/2	3.50	88,9	1-1/4	2.29	56,9



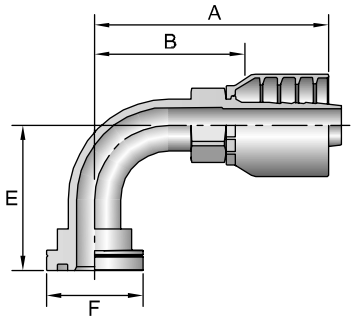
See Accessories for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16N70

SAE Code 62 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)

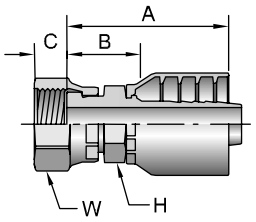


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16N70-8-8	1/2	1/2	2.60	66	1.61	41	1-1/4	1.34	34

1JC70

Female Seal-Lok® - Swivel - Short

ISO 12151- 1 - SWSA

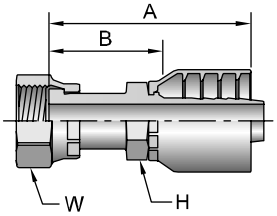


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	C inch	C mm	H inch	W inch	B inch	B mm
1JC70-6-6	3/8	11/16x16	3/8	1.94	49	0.34	9	11/16	13/16	1.04	26
1JC70-8-6	1/2	13/16x16	3/8	2.00	51	0.43	11	13/16	15/16	1.10	28
1JC70-8-8	1/2	13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	1.01	26
1JC70-10-10	5/8	1x14	5/8	2.40	61	0.53	13	15/16	1-1/8	1.15	29

1JS70

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

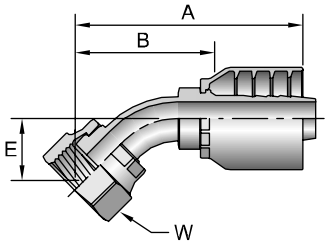


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JS70-6-6	3/8	11/16x16	3/8	2.28	58	11/16	13/16	1.38	35
1JS70-8-8	1/2	13/16x16	1/2	2.65	67	13/16	15/16	1.44	37
1JS70-12-8	3/4	1-3/16x12	1/2	2.90	74	1-1/8	1-3/8	1.69	43
1JS70-12-10	3/4	1-3/16x12	5/8	3.10	79	1-1/8	1-3/8	1.85	47

1J770

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J770-10-10	5/8	1x14	5/8	3.08	78	0.63	16	1-1/8	1.83	46

See Accessories for Flange Kits and O-Rings.

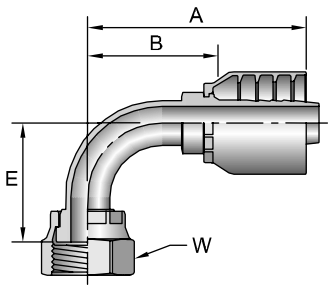
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J970

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J970-8-8	1/2	13/16x16	1/2	2.59	66	1.14	29	15/16	1.38	35
1J970-12-8	3/4	1-3/16x12	1/2	3.21	82	1.88	48	1-3/8	2.00	51

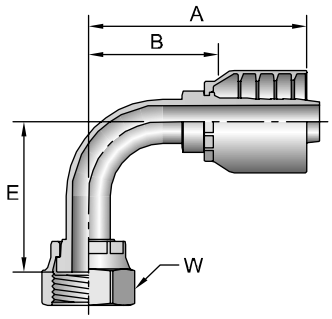


1J570

Female Seal-Lok® - Swivel - 90˚ Elbow - Medium Drop

ISO 12151-1 - SWSB

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E Inch	E mm	W inch	B inch	B mm
1J570-10-10	5/8	1x14	5/8	2.88	73	1.85	47	1-1/8	1.63	41

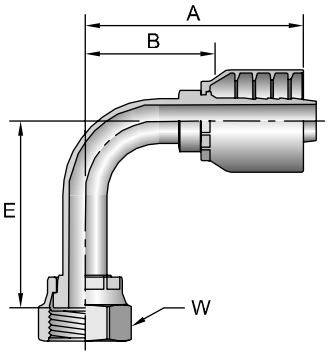


1J170

Female Seal-Lok® - Swivel - 90˚ Elbow - Long Drop

ISO 12151-1 - SWEL90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E Inch	E mm	W inch	B inch	B mm
1J170-8-8	1/2	13/16x16	1/2	2.59	66	2.52	65	15/16	1.38	35
1J170-10-10	5/8	1x14	5/8	2.88	73	2.76	70	1-1/8	1.63	41

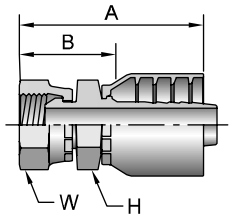


See Accessories for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1GU70

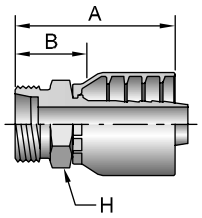
Female BSP Parallel Pipe - Swivel - (60˚ Cone)



# Part Number	Thread Inch	Hose I.D. inch	A inch	A mm	H mm	W inch	B inch	B mm
1GU70-6-6	3/8x19	3/8	2.45	62	22	NA	1.55	39
1GU70-8-8	1/2x14	1/2	2.82	72	27	NA	1.61	41

1FG70

Male French Gaz Series - Rigid - (24˚ Cone)



# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H inch	H mm	B inch	B mm
1FG70-21-10	21	M30x1,5	5/8	2.87	73	1.18	30	1.62	41

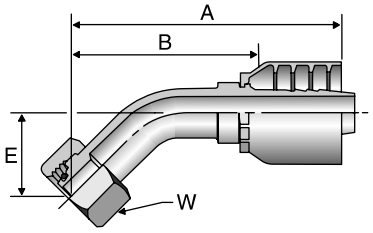
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10C70

Female Metric S - Swivel - 45˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE45

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
10C70-12-6	12	M20x1,5	3/8	2.72	69	0.79	20	24	1.57	40
10C70-16-8	16	M24x1,5	1/2	3.27	83	0.94	24	30	1.89	48
10C70-20-10	20	M30x2	5/8	3.58	91	0.98	25	36	2.05	52

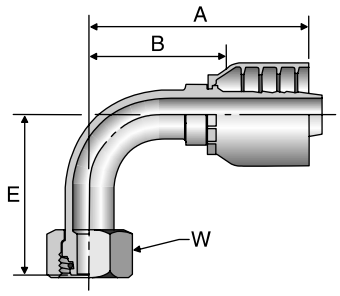


11C70

Female Metric S - Swivel - 90˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
11C70-12-6	12	M20X1,5	3/8	2.64	67	1.46	37	24	1.50	38
11C70-20-10	20	M30X2	5/8	3.11	79	1.89	48	36	1.57	40

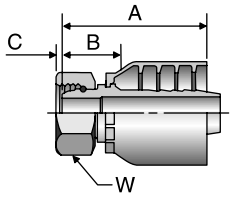


19270

Female BSP Parallel Pipe - Swivel - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
19270-6-6	3/8x19	3/8	1.93	49	0.28	7	22	0.79	20
19270-8-8	1/2x14	1/2	2.24	57	0.28	7	27	0.87	22
19270-10-10	5/8x14	5/8	2.24	57	0.35	9	30	0.83	21
19270-12-10	3/4x14	5/8	2.40	61	0.35	9	32	0.87	22

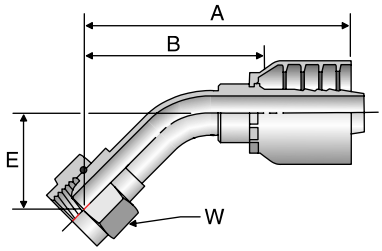


1B170

Female BSP Parallel pipe - Swivel- 45° Elbow - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1B170-8-8	1/2x14	1/2	3.11	79	0.79	20	27	1.77	45

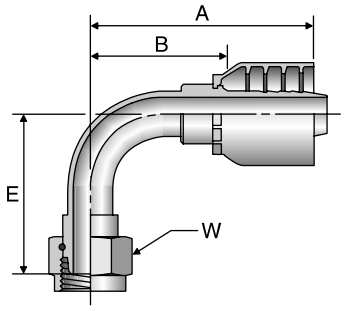


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1B270

Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)

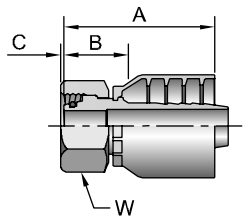
ISO 228-1



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1B270-8-8	1/2x14	1/2	2.76	70	1.54	39	27	1.38	35
1B270-10-10	5/8x14	5/8	3.07	78	1.81	46	30	1.61	41
1B270-12-10	3/4x14	5/8	3.19	81	1.65	42	32	1.61	41

1C970

Female Metric S - Swivel - (24˚ Cone with O-Ring)



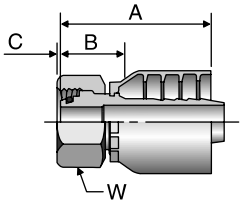
# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1C970-12-6	12	M20x1,5	3/8	2.03	52	0.03	1	24	1.13	29
1C970-16-8	16	M24x1,5	1/2	2.31	59	0.09	2	30	1.10	28
1C970-20-10	20	M30x2	5/8	2.51	64	0.05	1	36	1.26	32

When measuring overall length to end of nut, B + C dimensions must be used to calculate cut-off allowance.

1CA70

Female Metric L - Swivel - (24° Cone with O-Ring)

ISO 12151-2 - SWS

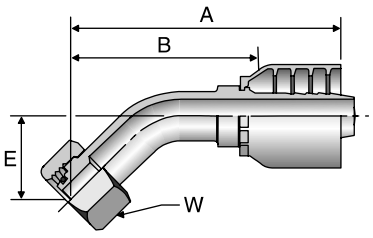


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1CA70-12-6	12	M18x1,5	3/8	2.09	53	0.04	1	22	0.94	24
1CA70-15-8	15	M22x1,5	1/2	2.09	62	0.07	2	22	0.94	27
1CA70-18-10	18	M26x1,5	5/8	2.44	62	0.02	0.5	32	1.02	26

1CE70

Female Metric L - Swivel - 45° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE45



# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1CE70-18-10	18	M26x1,5	5/8	3.58	91	0.98	25	32	2.05	52

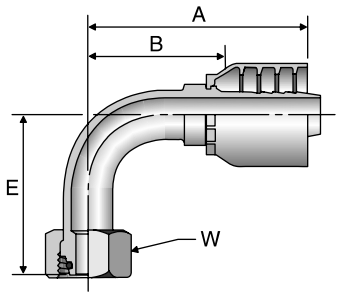
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1CF70

Female Metric L - Swivel - 90° Elbow - (24° Cone with O-Ring)

ISO 12151-2 - SWE

# Part Number	Thread		Hose I.D.	A		E		W	B	
	mm		inch	inch	mm	inch	mm	mm	inch	mm
1CF70-15-8	15	M22x1,5	1/2	2.91	74	1.77	45	27	1.54	39
1CF70-18-10	18	M26x1,5	5/8	3.11	79	1.93	49	32	1.65	42

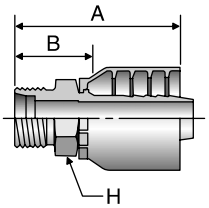


1D270

Male Metric S - Rigid - (24° Cone)

ISO 8434-1

# Part Number	Thread		Hose I.D.	A		H	B	
	mm		inch	inch	mm	mm	inch	mm
1D270-16-8	16	M24x1,5	1/2	2.44	62	24	1.10	28
1D270-20-10	20	M30x2	5/8	2.95	75	30	1.26	32

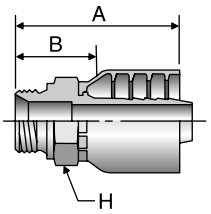


1D970

Male BSP Parellel Pipe - Rigid - (60° Cone)

ISO 228-1

# Part Number	Thread	Hose I.D.	A		H	B	
	inch	inch	inch	mm	mm	inch	mm
1D970-8-8	1/2x14	1/2	2.44	62	27	1.10	28



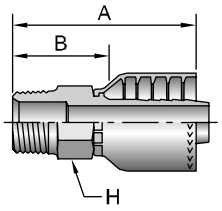
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	10171 B-68 *Male - Rigid*	**SAE**	10571 B-68 *Male - Rigid*	**JIC**	10371 B-68 *Male - Rigid*
10671 B-69 *Female - Swivel*	13771 B-69 *Female - Swivel 45˚ Elbow - Short*	13971 B-70 *Female - Swivel 90˚ Elbow - Short*	1L971 B-70 *Female - Swivel 90˚ Elbow - Medium*	14171 B-70 *Female - Swivel 90˚ Elbow - Long*	**Flange Code 61**
11571 B-71 *Flange*	11671 B-71 *22-1/2˚ Elbow*	12671 B-72 *30˚ Elbow*	11771 B-72 *45˚ Elbow*	12771 B-72 *60˚ Elbow*	11871 B-73 *67-1/2˚ Elbow*
11971 B-73 *90˚ Elbow*	18971 B-74 *90˚ Elbow-Long*	12U71 B-74 *110˚ Elbow*	**Flange Code 62**	16A71 B-74 *Flange*	16F71 B-74 *45˚ Elbow*
16N71 B-75 *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**	1J071 B-75 *Male - Rigid*	1JC71 B-75 *Female - Swivel Short*	1JS71 B-76 *Female - Swivel Long*	1J771 B-76 *Female - Swivel 45˚ Elbow*
1J971 B-77 *Female - Swivel 90˚ Elbow - Short*	1J571 B-77 *Female - Swivel 90˚ Elbow - Medium*	1J171 B-77 *Female - Swivel 90˚ Elbow - Long*	**Metric "S"**	1D271 B-78 *Male - Rigid*	1C971 B-78 *Female - Swivel*
BSP	1UT71 B-78 *Male - Rigid*	1GU71 B-78 *Female - Swivel*	1FU71 B-79 *Female - Swivel*	**Metric**	1MU71 B-79 *Female - Swivel*
1XU71 B-79 *Female - Swivel*					

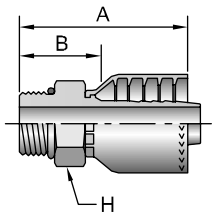
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10171
Male NPTF Pipe - Rigid



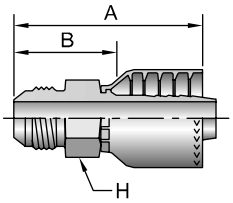
# Part Number	Thread inch	Hose I.D inch	A inch	A mm	H inch	B inch	B mm
10171-6-6	3/8x18	3/8	2.36	60	3/4	1.47	37
10171-8-8	1/2x14	1/2	2.82	72	7/8	1.63	41
10171-12-8	3/4x14	1/2	2.67	68	1-1/16	1.47	37
10171-12-12	3/4x14	3/4	3.08	78	1-1/16	1.71	43
10171-16-12	1x11-1/2	3/4	3.08	78	1-3/8	1.72	44
10171-16-16	1x11-1/2	1	3.63	92	1-3/8	2.04	52
10171-20-16	1-1/4x11-1/2	1	3.49	89	1-11/16	1.90	48
10171-20-20	1-1/4x11-1/2	1-1/4	4.06	103	1-3/4	2.39	61
10171-24-20	1-1/2x11-1/2	1-1/4	3.77	96	2	2.10	53
10171-24-24	1-1/2x11-1/2	1-1/2	4.32	110	2	2.19	56
10171-32-32	2x11-1/2	2	4.66	118	2-1/2	2.52	64

10571
Male SAE Straight Thread with O-Ring - Rigid



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10571-8-8	1/2	3/4x16	1/2	2.44	62	7/8	1.25	32
10571-12-12	3/4	1-1/16x12	3/4	2.79	71	1-1/4	1.43	36
10571-16-16	1	1-5/16x12	1	3.42	87	1-1/2	1.77	45
10571-20-20	1-1/4	1-5/8x12	1-1/4	3.67	93	1-7/8	2.00	51

10371
Male JIC 37˚ - Rigid

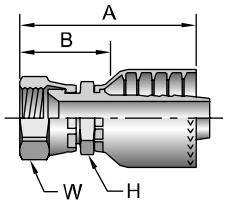


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10371-6-6	3/8	9/16x18	3/8	2.44	62	3/4	1.55	39
10371-8-6	1/2	3/4x16	3/8	2.29	58	7/8	1.40	36
10371-8-8	1/2	3/4x16	1/2	2.66	68	7/8	1.41	36
10371-10-8	5/8	7/8x14	1/2	2.60	66	15/16	1.41	36
10371-10-10	5/8	7/8x14	5/8	2.93	74	15/16	1.69	43
10371-12-12	3/4	1-1/16x12	3/4	3.17	80	1-1/8	1.81	46
10371-14-12	7/8	1-3/16x12	3/4	3.09	78	1-1/4	1.73	44
10371-16-12	1	1-5/16x12	3/4	3.02	77	1-3/8	1.66	42
10371-16-16	1	1-5/16x12	1	3.68	93	1-3/8	2.03	52
10371-20-16	1-1/4	1-5/8x12	1	3.43	87	1-7/8	1.84	47
10371-20-20	1-1/4	1-5/8x12	1-1/4	3.94	100	1-7/8	2.27	58

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

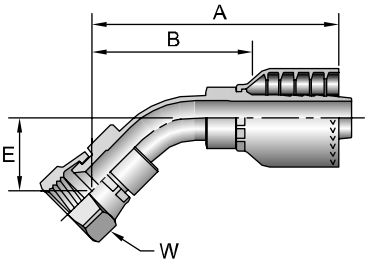
10671
Female JIC 37˚ - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
10671-6-6	3/8	9/16x18	3/8	2.28	58	11/16	11/16	1.39	35	
10671-8-6	1/2	3/4x16	3/8	2.47	63	11/16	7/8	1.58	40	
10671-8-8	1/2	3/4x16	1/2	2.61	66	13/16	7/8	1.41	36	•
10671-10-8	5/8	7/8x14	1/2	2.84	72	7/8	1	1.64	42	
10671-10-10	5/8	7/8x14	5/8	2.83	72	15/16	1	1.58	40	
10671-10-12	5/8	7/8x14	3/4	2.92	74	1-1/16	1	1.54	39	
10671-12-8	3/4	1-1/16x12	1/2	2.75	70	1-1/16	1-1/4	1.58	40	
10671-12-10	3/4	1-1/16x12	5/8	3.00	76	1-1/16	1-1/4	1.75	44	
10671-12-12	3/4	1-1/16x12	3/4	2.96	75	1-1/16	1-1/4	1.60	41	•
10671-12-16	3/4	1-1/16x12	1	3.37	86	1-3/8	1-1/4	1.67	42	
10671-14-12	7/8	1-3/16x12	3/4	3.01	76	1-1/4	1-3/8	1.61	41	
10671-16-12	1	1-5/16x12	3/4	3.28	83	1-1/4	1-1/2	1.92	49	
10671-16-16	1	1-5/16x12	1	3.60	91	1-3/8	1-1/2	2.01	51	•
10671-20-16	1-1/4	1-5/8x12	1	3.80	97	1-5/8	2	2.21	56	
10671-20-20	1-1/4	1-5/8x12	1-1/4	3.92	100	1-7/8	2	2.25	57	•
10671-24-20^^	1-1/2	1-7/8x12	1-1/4	4.10	104	2-1/8	2-1/4	2.43	62	
10671-24-24	1-1/2	1-7/8x12	1-1/2	4.69	119	2-1/8	2-1/4	2.50	64	•
10671-32-32	2	2-1/2x12	2	5.39	137	2-1/2	2-7/8	3.19	81	



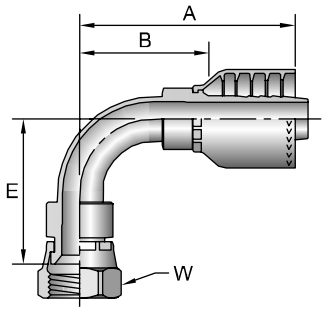
13771
Female JIC 37˚ - Swivel - 45˚ Elbow - Short Drop

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13771-6-6	3/8	9/16x18	3/8	2.34	59	0.43	11	11/16	1.44	37
13771-8-8	1/2	3/4x16	1/2	2.83	72	0.59	15	7/8	1.62	41
13771-10-8	5/8	7/8x14	1/2	2.93	74	0.63	16	1	1.72	44
13771-10-10	5/8	7/8x14	5/8	3.08	78	0.63	16	1	1.83	46
13771-12-12	3/4	1-1/16x12	3/4	3.64	92	0.83	21	1-1/4	2.26	57
13771-16-16	1	1-5/16x12	1	4.20	107	0.90	23	1-1/2	2.61	66
13771-20-20	1-1/4	1-5/8x12	1-1/4	5.22	133	1.69	43	2	3.53	90



Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.
^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.

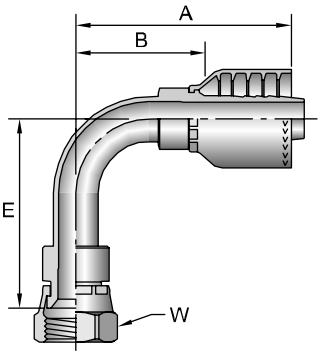
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



13971

Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop

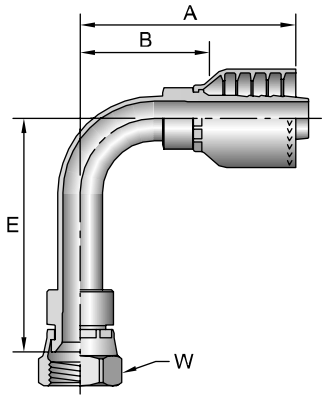
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13971-6-6	3/8	9/16x18	3/8	2.21	56	0.91	23	11/16	1.31	33
13971-8-8	1/2	3/4x16	1/2	2.62	67	1.14	29	7/8	1.41	36
13971-10-8	5/8	7/8x14	1/2	2.74	70	1.26	32	1	1.53	39
13971-10-10	5/8	7/8x14	5/8	2.88	73	1.26	32	1	1.63	41
13971-12-10	3/4	1-1/16x12	5/8	2.98	76	1.89	48	1-1/4	1.73	44
13971-12-12	3/4	1-1/16x12	3/4	3.50	89	1.89	48	1-1/4	2.11	54
13971-16-16	1	1-5/16x12	1	4.36	111	2.20	56	1-1/2	2.58	66
13971-20-20	1-1/4	1-5/8x12	1-1/4	4.78	121	3.33	85	2	3.11	79
13971-24-24	1-1/2	1-7/8x12	1-1/2	6.33	161	3.98	101	2-1/4	4.14	105



1L971

Female JIC 37˚ - Swivel - 90˚ Elbow - Medium Drop

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1L971-10-8	5/8	7/8x14	1/2	3.24	82	1.75	44	1	2.04	52



14171

Female JIC 37˚ - Swivel - 90˚ Elbow - Long Drop

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
14171-6-6	3/8	9/16x18	3/8	2.34	59	2.13	54	11/16	1.44	37
14171-8-8	1/2	3/4x16	1/2	2.58	66	2.52	64	7/8	1.37	35
14171-12-12	3/4	1-1/16x14	3/4	3.49	89	3.78	96	1-1/4	2.11	54
14171-16-16	1	1-5/16x12	1	4.36	111	4.32	110	1-1/2	2.58	66

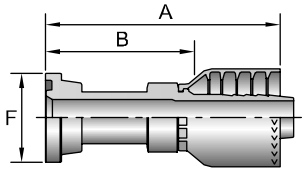
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11571

SAE Code 61 Flange Head

ISO 12151-3 - S - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
11571-8-8	1/2	1/2	3.48	88	1-3/16	2.27	58
11571-10-10	5/8	5/8	3.69	93,7	1-11/32	2.44	62,0
11571-12-8	3/4	1/2	2.46	62,5	1-1/2	1.26	32,0
11571-12-12	3/4	3/4	3.86	98	1-1/2	2.48	63
11571-16-12	1	3/4	2.74	70	1-3/4	1.36	35
11571-16-16	1	1	4.32	110	1-3/4	2.55	65
11571-20-12	1-1/4	3/4	3.90	99	2	2.54	65
11571-20-16	1-1/4	1	3.27	83	2	1.58	40
11571-20-20	1-1/4	1-1/4	4.70	119	2	3.01	76
11571-20-24	1-1/4	1-1/2	5.41	137	2	3.22	82
11571-24-16^	1-1/2	1	3.41	86,6	2-3/8	1.63	41,4
11571-24-20^^	1-1/2	1-1/4	4.08	104	2-3/8	2.39	61
11571-24-24	1-1/2	1-1/2	5.46	139	2-3/8	3.27	83
11571-24-32	1-1/2	2	5.65	144	2-3/8	3.45	88
11571-32-20^^	2	1-1/4	4.29	109,0	2-13/16	2.60	66,0
11571-32-24	2	1-1/2	4.01	102	2-13/16	1.82	46
11571-32-32	2	2	5.65	144	2-13/16	3.45	88
11571-40-32	2-1/2	2	4.51	115	3-5/16	2.31	59

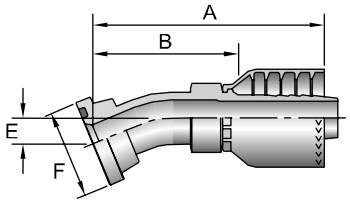


11671

SAE Code 61 Flange Head - 22-1/2˚ Elbow

ISO 12151-3 - E22M - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11671-12-12	3/4	3/4	3.90	99	0.44	11	1-1/2	2.54	65
11671-16-12	1	3/4	3.89	99	0.44	11	1-3/4	2.53	64
11671-16-16	1	1	4.26	108	0.44	11	1-3/4	2.67	68
11671-20-16	1-1/4	1	4.36	111	0.47	12	2	2.77	70
11671-20-20	1-1/4	1-1/4	4.67	119	0.50	13	2	3.00	76
11671-24-20^^	1-1/2	1-1/4	4.68	119	0.53	13	2-3/8	3.01	76
11671-24-24	1-1/2	1-1/2	5.88	149	0.63	16	2-3/8	3.69	94
11671-32-32	2	2	7.37	187	0.88	22	2-13/16	5.22	133



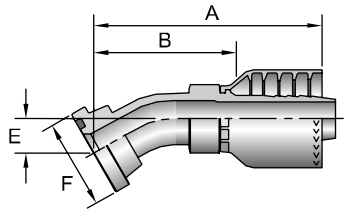
^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.
See Accessories for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

12671

SAE Code 61 Flange Head - 30˚ Elbow

ISO 12151-3 - E30S - L (1 Piece: ISO 12151-3 - E30M - L)

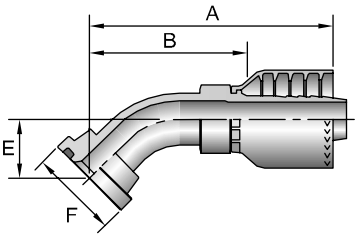


# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
12671-12-12	3/4	3/4	3.90	99	0.59	15	1-1/2	2.52	64
12671-16-16	1	1	4.46	113	0.62	16	1-3/4	2.68	68
12671-20-16	1-1/4	1	4.46	113	0.62	16	2	2.68	68
12671-20-20	1-1/4	1-1/4	4.87	124	0.72	18	2	3.18	81
12671-24-24	1-1/2	1-1/2	6.01	153	0.88	22	2-3/8	3.82	97
12671-32-24	2	1-1/2	6.01	153	0.88	22	2-13/16	3.82	97
12671-32-32	2	2	7.60	193	1.25	32	2-13/16	5.40	137

11771

SAE Code 61 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

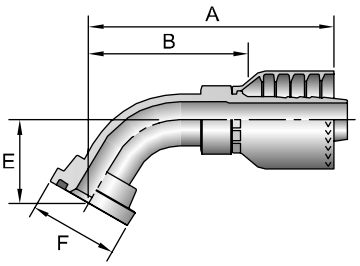


# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
11771-10-10	5/8	5/8	4.54	115	0.94	24	1-11/32	3.29	84
11771-12-8	3/4	1/2	3.27	83	0.84	21	1-1/2	2.07	53
11771-12-10	3/4	5/8	3.94	100	0.76	19	1-1/2	2.70	69
11771-12-12	3/4	3/4	3.85	98	1.02	26	1-1/2	2.47	63
11771-16-12	1	3/4	3.85	98	1.02	26	1-3/4	2.47	63
11771-16-16	1	1	4.84	123	1.26	32	1-3/4	3.06	78
11771-20-16	1-1/4	1	4.84	123	1.02	26	2	3.06	78
11771-20-20^^	1-1/4	1-1/4	5.61	142	1.50	38	2	3.92	100
11771-20-24	1-1/4	1-1/2	6.22	158	1.12	28	2	4.03	102
11771-24-20^^	1-1/2	1-1/4	5.55	141	1.50	38	2-3/8	3.86	98
11771-24-24	1-1/2	1-1/2	6.22	158	1.41	36	2-3/8	4.03	102
11771-32-24	2	1-1/2	6.19	157	1.41	36	2-13/16	4.00	102
11771-32-32	2	2	7.94	202	2.03	52	2-13/16	5.74	146
11771-40-32	2-1/2	2	7.83	199	2.03	52	3-5/16	5.62	143

12771

SAE Code 61 Flange Head - 60˚ Elbow

ISO 12151-3 - E60S - L (1 Piece: ISO 12151-3 - E60M - L)



# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
12771-12-12	3/4	3/4	4.16	106	1.43	36	1-1/2	2.78	71
12771-16-12	1	3/4	4.15	105	1.39	35	1-3/4	2.77	70
12771-16-16	1	1	4.74	120	1.49	38	1-3/4	3.36	85
12771-20-20	1-1/4	1-1/4	5.10	130	1.69	43	2	3.41	87
12771-24-20^^	1-1/2	1-1/4	5.12	130	1.70	43	2-3/8	3.43	87
12771-24-24	1-1/2	1-1/2	6.25	159	2.03	52	2-3/8	4.06	103
12771-32-32	2	2	7.93	201	2.88	73	2-13/16	5.73	146

^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.
See Accessories for Flange Kits and O-Rings.

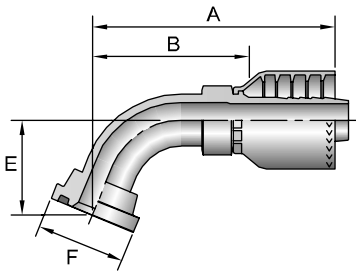
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11871

SAE Code 61 Flange Head - 67-1/2˚ Elbow

ISO 12151-3 - E67S - L (1 Piece: ISO 12151-3 - E67M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11871-12-12	3/4	3/4	4.12	105	1.62	41	1-1/2	2.74	70
11871-16-12	1	3/4	4.11	104	1.59	40	1-3/4	2.73	69
11871-16-16	1	1	4.76	121	1.75	44	1-3/4	2.98	76
11871-20-20	1-1/4	1-1/4	5.08	129	1.94	49	2	3.39	86
11871-24-20^^	1-1/2	1-1/4	5.07	129	1.95	50	2-3/8	3.38	86
11871-24-24	1-1/2	1-1/2	6.20	157	2.31	59	2-3/8	4.01	102
11871-32-24	2	1-1/2	6.20	157	2.31	59	2-13/16	4.01	102
11871-32-32	2	2	7.89	200	3.31	84	2-13/16	5.69	145

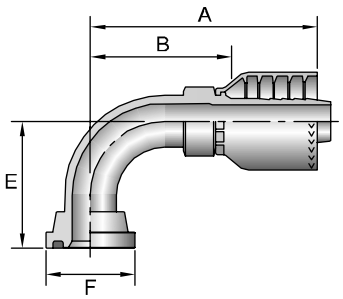


11971

SAE Code 61 Flange Head - 90˚ Elbow

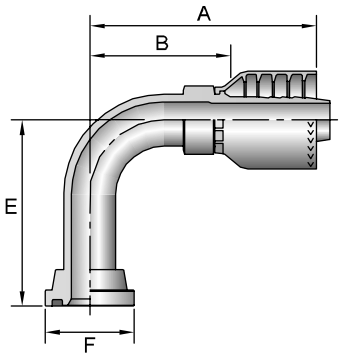
ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11971-8-8	1/2	1/2	2.93	74	1.6	41	1-3/16	1.72	44
11971-10-10	5/8	5/8	3.62	92	2.10	53	1-11/32	2.37	60
11971-12-8	3/4	1/2	2.93	74	1.66	42	1-1/2	1.72	44
11971-12-10	3/4	5/8	3.62	92	2.10	53	1-1/2	2.37	60
11971-12-12	3/4	3/4	3.48	88	2.28	58	1-1/2	2.10	53
11971-16-12	1	3/4	3.52	89	2.28	58	1-3/4	2.14	54
11971-16-16	1	1	4.36	111	2.76	70	1-3/4	2.58	66
11971-16-20	1	1-1/4	4.53	115	2.39	61	1-3/4	2.75	70
11971-20-12	1-1/4	3/4	3.81	97	2.13	54	2	2.45	62
11971-20-16	1-1/4	1	4.33	110	2.76	70	2	2.55	65
11971-20-20	1-1/4	1-1/4	5.12	130	3.54	90	2	3.43	87
11971-20-24	1-1/4	1-1/2	6.33	161	3.00	76	2	4.14	105
11971-24-16^	1-1/2	1	4.53	115	2.39	61	2-3/8	2.75	70
11971-24-20^^	1-1/2	1-1/4	5.09	129	3.54	90	2-3/8	3.40	86
11971-24-24	1-1/2	1-1/2	6.34	161	4.09	104	2-3/8	4.15	105
11971-32-24	2	1-1/2	5.84	148	3.12	79	2-13/16	3.65	93
11971-32-32	2	2	7.75	197	5.43	138	2-13/16	5.55	141
11971-40-32	2-1/2	2	7.43	189	4.5	114	3-5/16	5.23	133



^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.
See Accessories for Flange Kits and O-Rings.

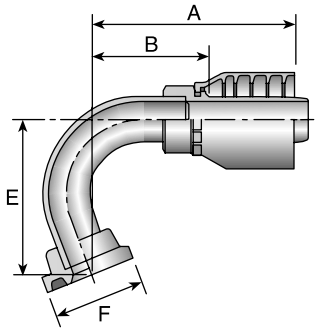
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



18971

SAE Code 61 Flange Head - 90˚ Elbow - Long Drop

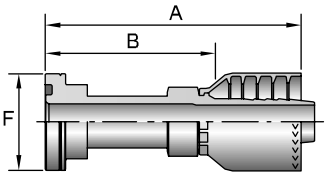
# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
18971-12-12	3/4	3/4	3.49	89	3.03	77	1-1/2	2.11	54
18971-16-16	1	1	4.52	115	4.60	117	1-3/4	2.74	70
18971-20-16	1-1/4	1	4.53	115	4.60	117	2	2.75	70



12U71

SAE Code 61 Flange Head - 110˚ Elbow

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
12U71-16-16	1	1	4.49	114	3.69	94	1-3/4	2.71	69

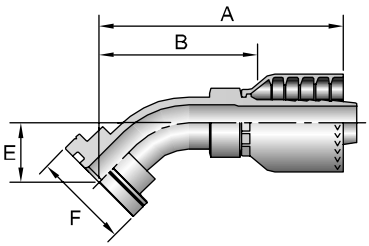


16A71

SAE Code 62 Flange Head

ISO 12151-3 - S - S

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
16A71-12-12	3/4	3/4	4.31	109	1-5/8	2.93	74
16A71-16-12	1	3/4	3.10	78,7	1-7/8	1.72	43,7
16A71-16-16	1	1	4.89	124	1-7/8	3.11	79
16A71-20-16	1-1/4	1	3.69	93,7	2-1/8	1.91	48,5
16A71-20-20	1-1/4	1-1/4	5.01	127,3	2-1/8	3.32	84,3
16A71-24-24	1-1/2	1-1/2	6.34	161,0	2-1/2	4.15	105,4
16A71-32-32	2	2	7.16	182	3-1/8	4.96	126



16F71

SAE Code 62 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - S)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16F71-12-12	3/4	3/4	3.82	97	1.03	26	1-5/8	2.44	62
16F71-16-16	1	1	4.74	120,3	1.26	32	1-7/8	2.96	75,2
16F71-20-16	1-1/4	1	4.61	117	1.06	27	2-1/8	3.02	77
16F71-20-20	1-1/4	1-1/4	5.07	129	1.19	30	2-1/8	3.38	86
16F71-24-24	1-1/2	1-1/2	6.21	158	1.44	37	2-1/2	4.02	102
16F71-32-32	2	2	7.87	200	2.05	52	3-1/8	5.67	144

See Accessories for Flange Kits and O-Rings.

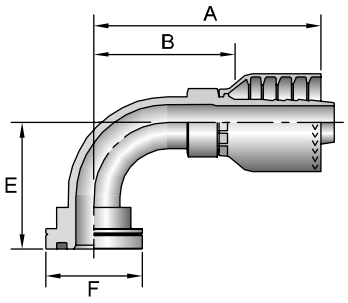
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16N71

SAE Code 62 Flange Head - 90° Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - S)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16N71-12-12	3/4	3/4	3.51	89	2.28	58	1-5/8	2.13	54
16N71-16-12	1	3/4	3.49	89	2.29	58	1-7/8	2.11	54
16N71-16-16	1	1	4.36	111	2.76	70	1-7/8	2.58	66
16N71-20-16	1-1/4	1	4.36	111	2.76	70	2-1/8	2.58	66
16N71-20-20	1-1/4	1-1/4	5.09	129	3.54	90	2-1/8	3.40	86
16N71-24-24	1-1/2	1-1/2	5.85	149	3.12	79	2-1/2	3.66	93
16N71-32-32	2	2	7.73	196	4.50	114	3-1/8	5.53	140

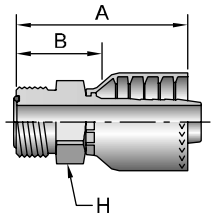


1J071

Male Seal-Lok® - Rigid - (with O-Ring)

ISO 12151-1 - S

# Part Number	Thread		Hose I.D.	A		H	B	
	inch		inch	inch	mm	inch	inch	mm
1J071-8-8	1/2	13/16x16	1/2	2.40	61	7/8	1.20	30
1J071-10-8	5/8	1x14	1/2	2.61	66	1-1/16	1.41	36
1J071-10-10	5/8	1x14	5/8	2.69	68	1-1/16	1.44	37
1J071-12-10	3/4	1-3/16x12	5/8	2.79	71	1-1/4	1.55	39
1J071-12-12	3/4	1-3/16x12	3/4	2.87	73	1-1/4	1.51	38
1J071-16-12	1	1-7/16x12	3/4	2.91	74	1-1/2	1.53	39
1J071-16-16	1	1-7/16x12	1	3.27	83	1-1/2	1.68	43
1J071-20-20	1-1/4	1-11/16x12	1-1/4	3.31	84	1-3/4	1.64	42
1J071-24-24	1-1/2	2x12	1-1/2	4.02	102	2-1/8	1.83	46



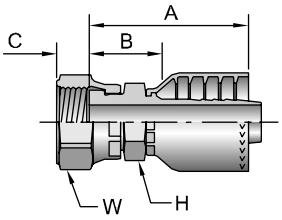
1JC71

Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA

# Part Number	Thread		Hose I.D.	A		C		H	W	B	
	inch		inch	inch	mm	inch	mm	inch	inch	inch	mm
1JC71-8-8	1/2	13/16x16	1/2	2.22	56	0.43	11	13/16	15/16	1.01	26
1JC71-10-10	5/8	1x14	5/8	2.40	61	0.48	12	15/16	1-1/8	1.15	29
1JC71-12-12	3/4	1-3/16x12	3/4	2.68	68	0.55	14	1-1/8	1-3/8	1.30	33
1JC71-16-16	1	1-7/16x12	1	3.22	82	0.56	14	1-3/8	1-5/8	1.44	37
1JC71-20-16	1-1/4	1-11/16-12	1	3.16	80	0.59	15	1-5/8	1-7/8	1.38	35

When measuring overall length to end of nut, B+C dimensions must be used to calculate cut-off allowance.



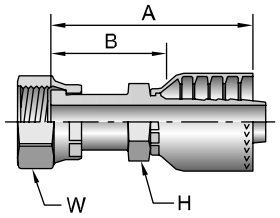
See Accessories for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1JS71

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

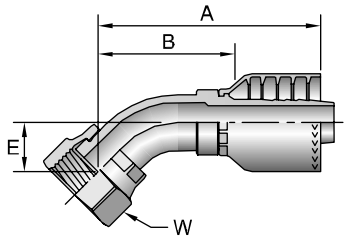


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JS71-6-6	3/8	11/16x16	3/8	2.80	58	11/16	13/16	1.38	35
1JS71-6-8	3/8	11/16x16	1/2	2.50	64	13/16	13/16	1.29	33
1JS71-8-8	1/2	13/16x16	1/2	2.64	67	13/16	15/16	1.44	37
1JS71-10-8	5/8	1x14	1/2	2.89	23	13/16	1-1/8	1.69	43
1JS71-10-10	5/8	1x14	5/8	3.00	76	15/16	1-1/8	1.75	44
1JS71-10-12	5/8	1x14	3/4	3.08	78	1-1/16	1-1/8	1.70	43
1JS71-12-10	3/4	1-3/16x12	5/8	3.10	79	1-1/8	1-3/8	1.85	47
1JS71-12-12	3/4	1-3/16x12	3/4	3.31	84	1-1/16	1-3/8	1.93	49
1JS71-16-12	1	1-7/16x12	3/4	3.37	86	1-5/16	1-5/8	1.99	51
1JS71-16-16	1	1-7/16x12	1	3.70	94	1-5/16	1-5/8	1.92	49
1JS71-20-16^	1-1/4	1-11/16x12	1	3.64	92	1-3/4	1-7/8	1.94	49
1JS71-20-20	1-1/4	1-11/16x12	1-1/4	3.77	96	1-3/4	1-7/8	2.08	53
1JS71-24-24	1-1/2	2x12	1-1/2	4.51	114,6	2	2-1/4	2.32	58,9

1J771

Female Seal-Lok® - Swivel - 45˚ Elbow

ISO 12151-1 - SWE45



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J771-6-6	3/8	11/16x16	3/8	2.34	59	0.43	11	13/16	1.44	37
1J771-8-8	1/2	13/16x16	1/2	2.83	72	0.59	15	15/16	1.62	41
1J771-10-8	5/8	1x14	1/2	2.93	74	0.63	16	1-1/8	1.72	44
1J771-10-10	5/8	1x14	5/8	3.08	78	0.63	16	1-1/8	1.83	46
1J771-12-12	3/4	1-3/16x12	3/4	3.63	92	0.83	21	1-3/8	2.25	57
1J771-16-16	1	1-7/16x12	1	4.46	113	0.94	24	1-5/8	2.68	68
1J771-20-20	1-1/4	1-11/16x12	1-1/4	4.75	121	1.00	25	1-7/8	3.08	78
1J771-24-24	1-1/2	2x12	1-1/2	5.43	138	1.07	27	2-1/4	3.23	82

^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.
See Accessories for O-Rings.

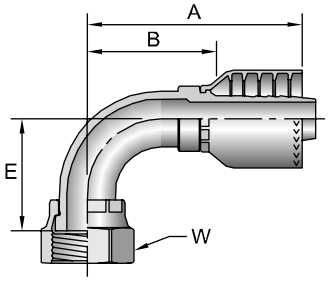
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J971

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J971-6-6	3/8	11/16x16	3/8	2.21	56	0.91	23	13/16	1.31	33
1J971-8-8	1/2	13/16x16	1/2	2.59	66	1.14	29	15/16	1.38	35
1J971-10-8	5/8	1x14	1/2	2.74	70	1.26	32	1-1/8	1.53	39
1J971-10-10	5/8	1x14	5/8	2.88	73	1.26	32	1-1/8	1.63	41
1J971-10-12	5/8	1x14	3/4	3.07	78	1.27	32	1-1/8	1.70	43
1J971-12-10	3/4	1-3/16x12	5/8	3.40	86	1.89	48	1-3/8	2.15	55
1J971-12-12	3/4	1-3/16x12	3/4	3.49	89	1.89	48	1-3/8	2.11	54
1J971-16-16	1	1-7/16x12	1	4.36	111	2.20	56	1-5/8	2.58	66
1J971-20-20	1-1/4	1-11/16x12	1-1/4	4.86	123	2.51	64	1-7/8	3.19	81
1J971-24-24	1-1/2	2x12	1-1/2	6.22	158	2.68	68	2-1/4	4.03	102

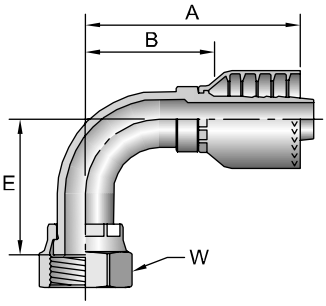


1J571

Female Seal-Lok® - Swivel - 90˚ Elbow - Medium Drop

ISO 12151-1 - SWSB

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J571-8-8	1/2	13/16x16	1/2	2.59	66	1.61	41	15/16	1.38	35
1J571-10-10	5/8	1x14	5/8	2.88	73	1.85	47	1-1/8	1.63	41
1J571-12-12	3/4	1-3/16x12	3/4	3.49	89	2.28	58	1-3/8	2.11	54

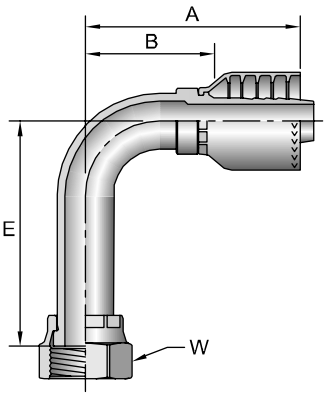


1J171

Female Seal-Lok® - Swivel - 90˚ Elbow - Long Drop

ISO 12151-1 - SWEL90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J171-6-6	3/8	11/16x16	3/8	2.39	61	2.13	54	13/16	1.49	38
1J171-8-8	1/2	13/16x16	1/2	2.59	66	2.52	64	15/16	1.38	35
1J171-10-10	5/8	1x14	5/8	2.88	73	2.76	70	1-1/8	1.63	41
1J171-12-12	3/4	1-3/16x12	3/4	3.49	89	3.78	96	1-3/8	2.11	54
1J171-16-12	1	1-7/16x12	3/4	4.07	103	4.50	114	1-5/8	2.69	68
1J171-16-16	1	1-7/16x12	1	4.36	111	4.49	114	1-5/8	2.58	66
1J171-20-20^^	1-1/4	1-11/16x12	1-1/4	4.88	124	5.09	129	1-7/8	3.19	81
1J171-24-24	1-1/2	2x12	1-1/2	5.83	148	5.54	141	2-1/4	3.64	92



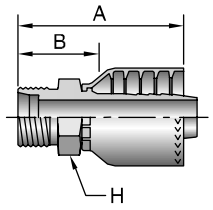
^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.
See Accessories for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1D271

Male Metric S - Rigid - (24˚ Cone)

ISO 12151-2 - S - S

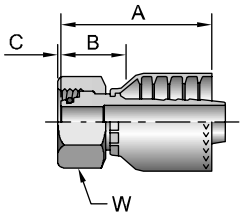


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D271-25-12	25	M36x2	3/4	2.90	74	36	1.52	39
1D271-30-16	30	M42x2	1	3.45	88	46	1.67	42

1C971

Female Metric S - Swivel - (24˚ Cone with O-Ring)

ISO 12151-2 - SWS - S

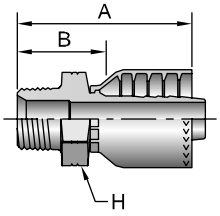


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1C971-12-6	12	M20x1,5	3/8	1.99	51	0.03	1	24	1.17	30
1C971-16-8	16	M24x1,5	1/2	2.33	59	0.09	2	30	1.18	30
1C971-20-10	20	M30x2	5/8	2.55	65	0.05	1	36	1.39	35
1C971-25-12	25	M36x2	3/4	2.68	68	0.10	3	46	1.10	28
1C971-30-16	30	M42x2	1	3.07	78	0.19	5	50	1.30	33
1C971-38-20^^	38	M52x2	1-1/4	3.15	80	0.23	6	60	1.30	33

When measuring overall length to end of nut, B+C dimensions must be used to calculate cut-off allowance.

1UT71

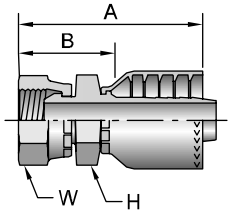
Male BSP Taper Pipe - Rigid - (60˚ Cone)



# Part Number	Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1UT71-8-8	1/2	2.66	68	27	1.46	37
1UT71-12-12	3/4	2.95	75	36	1.59	40

1GU71

Female BSP Parallel Pipe - Swivel - (60˚ Cone)



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1GU71-6-6	3/8	3/8x19	3/8	2.45	62	22	22	1.55	39
1GU71-8-8	1/2	1/2x14	1/2	2.81	71	27	27	1.61	41
1GU71-12-12	3/4	3/4x14	3/4	3.24	82	36	36	1.86	47
1GU71-16-16	1	1x11	1	3.82	97	41	41	2.04	52
1GU71-20-20	1-1/4	1-1/4x11	1-1/4	4.07	103	50	50	2.38	60
1GU71-24-24	1-1/2	1-1/2x11	1-1/2	4.81	122	60	60	2.62	67
1GU71-32-32	2	2x11	2	5.17	131	70	70	2.97	75

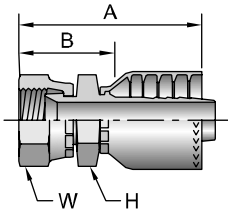
Metric S: Mates with EO "S" Series Fittings.
^ Must be assembled with Die Part No. 83C-D16H in a Superkrimp or Parkrimp 2.
^^ Must be assembled with Die Part No. 83C-D20H in a Superkrimp or Parkrimp 2.
See Accessories for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1FU71

Female BSP Parallel Pipe - Swivel - (30˚ Flare)

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1FU71-6-6	3/8x19	3/8	2.39	61	24	22	1.50	38
1FU71-8-8	1/2x14	1/2	2.71	69	27	27	1.51	38
1FU71-12-12	3/4x14	3/4	3.10	79	36	36	1.74	44
1FU71-16-16	1x11	1	3.52	89	41	41	1.93	49
1FU71-20-20	1-1/4x11	1-1/4	3.87	98	50	50	2.20	56
1FU71-24-24	1-1/2x11	1-1/2	4.66	118	60	60	2.53	64

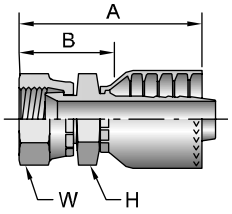


1MU71

Female Metric - Swivel - (30˚ Flare)

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1MU71-6-6	M18x1,5	3/8	2.45	62	24	24	1.56	40
1MU71-8-8	M22x1,5	1/2	2.83	72	27	27	1.45	37

Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining 1MU71 fittings in sizes up to 1/2 with 1XU71 fittings in sizes 5/8 inch and larger.

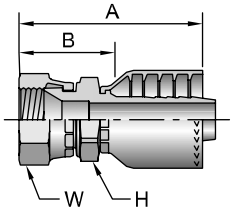


1XU71

Female Metric - Swivel - (30˚ Flare)

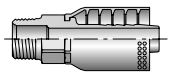
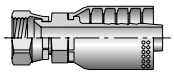
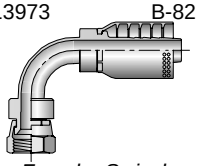
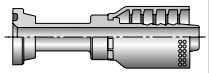
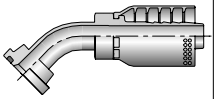
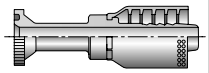
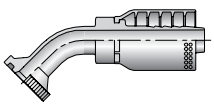
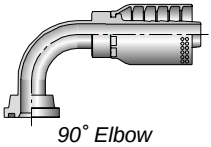
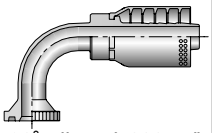
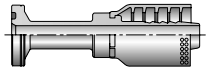
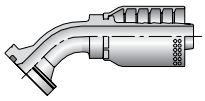
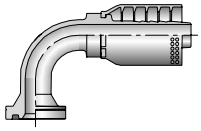
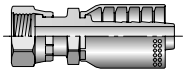
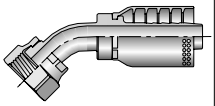
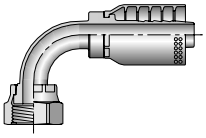
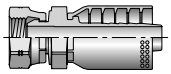
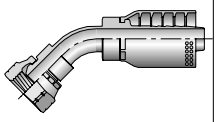
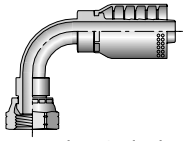
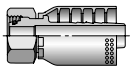
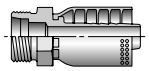
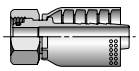
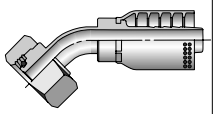
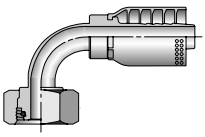
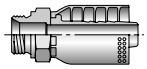
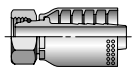
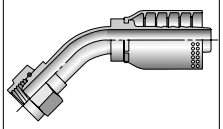
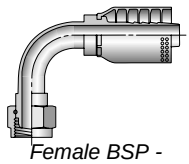
# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1XU71-10-10	5/8	M24x1,5	5/8	3.16	80	30	32	1.91	49
1XU71-12-12	3/4	M30x1,5	3/4	3.40	86	32	36	2.02	51
1XU71-16-16	1	M33x1,5	1	4.11	104	36	41	2.33	59
1XU71-20-20	1-1/4	M36x1,5	1-1/2	4.19	106	46	46	2.50	64
1XU71-24-24	1-1/2	M42x1,5	1-1/2	5.00	127	50	55	2.80	71

Japanese Fittings - Female Swivel 30° Flare with Metric Threads. All 30° flared fitting sizes are available by combining 1MU71 fittings in sizes up to 1/2 with 1XU71 fittings in sizes 5/8 inch and larger.



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

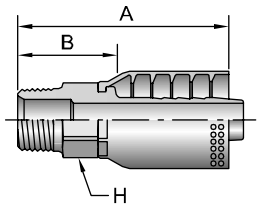
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	10173 B-82  *Male - Rigid*	**JIC 37˚**	10673 B-82  *Female - Swivel*	13973 B-82  *Female- Swivel 90˚ Elbow - Short*	**Code 61 Flange**
11573 B-82  *Flange*	11773 B-83  *45˚ Elbow*	14A73 B-83  *Flange (5000 psi)*	14F73 B-83  *45˚ Elbow (5000 psi)*	11973 B-83  *90˚ Elbow*	14N73 B-84  *90˚ Elbow (5000 psi)*
Code 62 Flange	16A73 B-84  *Flange*	16F73 B-84  *45˚ Elbow*	16N73 B-84  *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**	1JS73 B-85  *Female - Swivel Long*
1J773 B-85  *Female - Swivel 45˚ Elbow*	1J973 B-85  *Female - Swivel 90˚ Elbow - Short*	**BSP 60˚ Cone**	1GU73 B-86  *Female - Swivel*	1G173 B-86  *Female - Swivel 45˚ Elbow*	1G273 B-86  *Female - Swivel 90˚ Elbow*
DIN "L" Series	1CA73 B-87  *Female Metric L - Swivel*	**DIN "S" Series**	1D273 B-87  *Male Metric S - Rigid*	1C973 B-87  *Female Metric S - Swivel*	10C73 B-87  *Female Metric S - Swivel*
11C73 B-88  *Female Metric S - Swivel*	**BSP 60° Cone**	1D973 B-88  *Male BSP - Parallel Pipe - Rigid*	19273 B-88  *Female BSP - Parallel Pipe - Swivel*	1B173 B-89  *Female BSP - Parallel Pipe - Swivel*	1B273 B-89  *Female BSP - Parallel Pipe - Swivel*

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10173

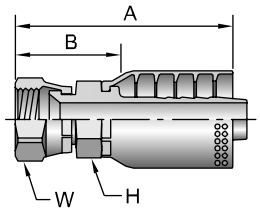
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10173-12-12	3/4x14	3/4	3.56	90	1-1/8	1.75	44
10173-16-16	1x11-1/2	1	3.94	100	1-3/8	2.00	51
10173-20-20	1-1/4x11-1/2	1-1/4	4.92	125	1-3/4	2.43	62
10173-24-24	1-1/2x11-1/2	1-1/2	4.88	124	2	2.57	65
10173-32-32	2x11-1/2	2	5.57	141	2-1/2	2.87	73

10673

Female JIC 37˚ - Swivel

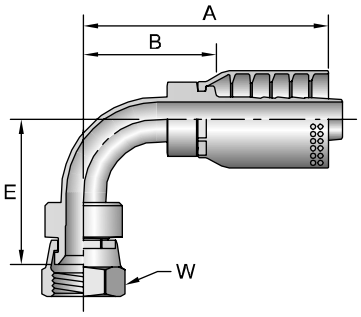


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
10673-12-12	3/4	1-1/16x12	3/4	3.66	93	1-1/8	1-1/4	1.85	47
10673-16-12	1	1-5/16x12	3/4	3.90	99	1-3/8	1-1/2	2.09	53
10673-16-16	1	1-5/16x12	1	4.03	102	1-3/8	1-1/2	2.09	53
10673-20-20	1-1/4	1-5/8x12	1-1/4	4.93	125	1-3/4	2	2.44	62
10673-24-24	1-1/2	1-7/8x12	1-1/2	5.04	128	2	2-1/4	2.73	69
10673-32-32	2	2-1/2x12	2	5.91	150	2-1/2	2-7/8	3.21	82

Note: All sizes of 10673 fittings are rated at 5,000 psi working pressure.

13973

Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop



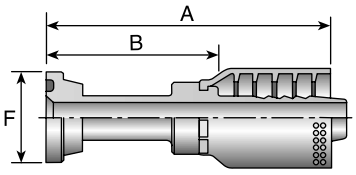
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13973-12-12	3/4	1-1/16x12	3/4	4.12	105	2.44	62	1-1/4	2.31	59
13973-16-16	1	1-5/16x12	1	4.71	120	2.93	74	1-1/2	2.77	70

Note: All sizes of 13973 fittings are rated at 5,000 psi working pressure.

11573

SAE Code 61 Flange Head

ISO 12151-3 - S - L



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
11573-12-12	3/4	3/4	4.34	110,2	1-1/2	2.53	64,3
11573-16-16	1	1	4.59	117	1-3/4	2.65	67

See Accessories for Flange Kits and O-Rings.

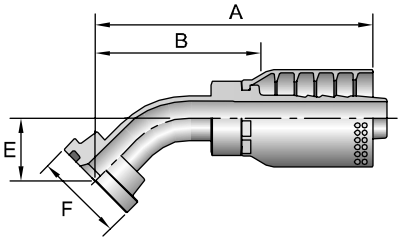
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11773

SAE Code 61 Flange Head - 45˚ Elbow

ISO 12151-3 - E450S - L (1 Piece: ISO 12151-3 - E45M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11773-12-12	3/4	3/4	4.31	109	1.02	26	1-1/2	2.50	64
11773-16-16	1	1	5.01	127	1.26	32	1-3/4	3.07	78

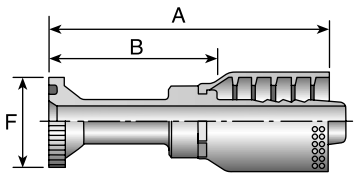


14A73

SAE Code 61 Flange Head - 5000 psi

ISO 12151-3 - S - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
14A73-20-20	1-1/4	1-1/4	5.54	141	2	3.05	77
14A73-24-24	1-1/2	1-1/2	6.53	166	2-3/8	4.22	107
14A73-32-32	2	2	6.14	156	2-13/16	3.44	87

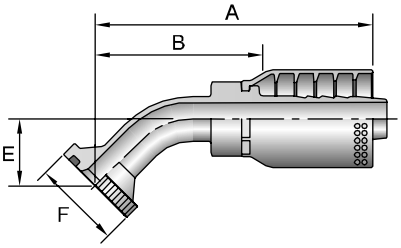


14F73

SAE Code 61 Flange Head - 45˚ Elbow - 5000 psi

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
14F73-20-20	1-1/4	1-1/4	6.39	162	150	38	2	3.90	99
14F73-24-24	1-1/2	1-1/2	6.99	178	1.73	44	2-3/8	4.68	119
14F73-32-32	2	2	8.40	214	2.21	56	2-13/16	5.71	145

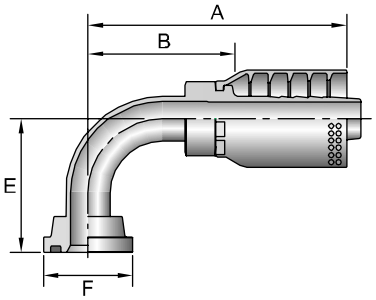


11973

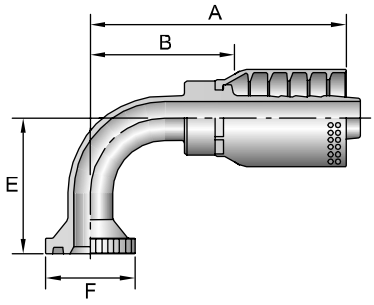
SAE Code 61 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11973-12-12	3/4	3/4	3.97	101	2.28	58	1-1/2	2.16	55
11973-16-12	1	3/4	4.00	102	2.28	58	1-3/4	2.19	56
11973-16-16	1	1	4.63	118	2.76	70	1-3/4	2.69	68



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

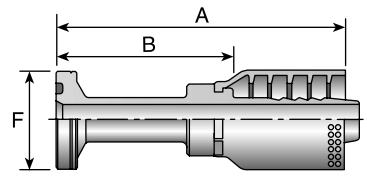


14N73

SAE Code 61 Flange Head - 90˚ Elbow - 5000 psi

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
14N73-20-20	1-1/4	1-1/4	6.09	155	3.54	90	2	3.60	91
14N73-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-3/8	4.21	107
14N73-32-32	2	2	7.82	199	5.43	138	2-13/16	5.12	130



16A73

SAE Code 62 Flange Head

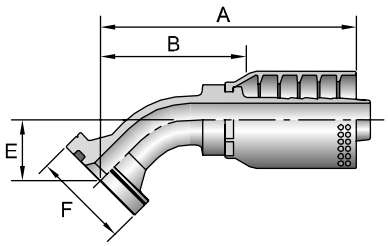
ISO 12151-3 - S - S

# Part Number	Flange	Hose I.D.	A		F	B	
	inch	inch	inch	mm	inch	inch	mm
16A73-12-12	3/4	3/4	4.60	117	1-5/8	2.79	71
16A73-16-16	1	1	5.16	131	1-7/8	3.22	82
16A73-20-16	1-1/4	1	3.95	100	2-1/8	2.01	51
16A73-20-20	1-1/4	1-1/4	5.85	149	2-1/8	3.36	85
16A73-24-24	1-1/2	1-1/2	6.54	166	2-1/2	4.23	107
16A73-32-32	2	2	7.63	194	3-1/8	4.93	125

16F73

SAE Code 62 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - S (1 Piece: ISO 12151-3 - E45M - S)

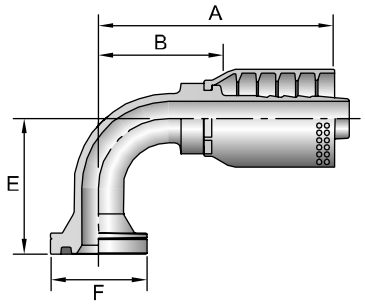


# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16F73-12-12	3/4	3/4	4.31	109	1.02	26	1-5/8	2.50	64
16F73-16-16	1	1	5.01	127	1.26	32	1-7/8	3.07	78
16F73-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2-1/8	3.90	99

16N73

SAE Code 62 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)



# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16N73-12-12	3/4	3/4	3.97	101	2.28	58	1-5/8	2.16	55
16N73-16-16	1	1	4.63	118	2.76	70	1-7/8	2.69	68
16N73-20-20	1-1/4	1-1/4	6.09	151	3.54	90	2-1/8	3.60	91
16N73-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-1/2	4.21	107
16N73-32-32	2	2	7.82	199	5.43	138	3-1/8	5.12	130

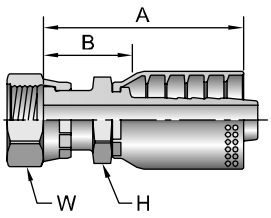
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1JS73

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JS73-12-12	3/4	1-3/16x12	3/4	3.70	94	1-1/8	1-3/8	1.89	48
1JS73-16-12	1	1-7/16x12	3/4	3.78	96	1-3/8	1-5/8	1.97	50
1JS73-16-16	1	1-7/16x12	1	4.03	102	1-3/8	1-5/8	2.09	53
1JS73-20-20	1-1/4	1-11/16x12	1-1/4	4.62	132	1-3/4	1-7/8	2.13	69

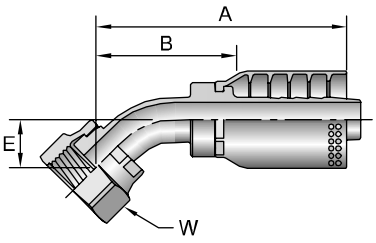


1J773

Female Seal-Lok® - Swivel - 45˚ Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J773-12-12	3/4	1-3/16x12	3/4	4.11	104	0.81	21	1-3/8	2.30	58
1J773-16-16	1	1-7/16x12	1	4.69	119	0.94	24	1-5/8	2.75	70
1J773-20-20	1-1/4	1-11/16x12	1-1/4	5.78	147	0.98	25	1-7/8	3.29	84

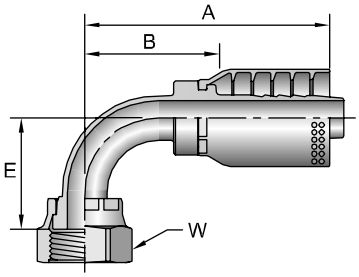


1J973

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

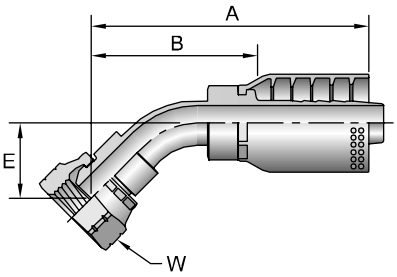
ISO 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J973-12-12	3/4	1-3/16x12	3/4	3.97	100	1.89	48	1-3/8	2.16	55
1J973-16-16	1	1-7/16x12	1	4.62	117	2.20	56	1-5/8	2.68	68
1J973-20-20	1-1/4	1-11/16x12	1-1/4	5.82	148	2.52	64	1-7/8	3.33	85



Metric S: Mates with EO “S” Series Fittings.

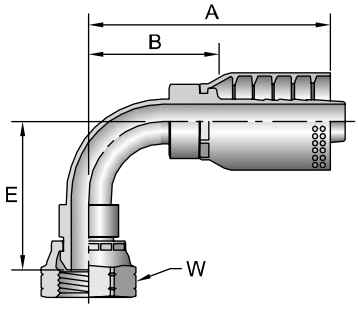
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



1G173

Female BSP Parallel Pipe - Swivel - 45˚ Elbow - (60˚ Cone)

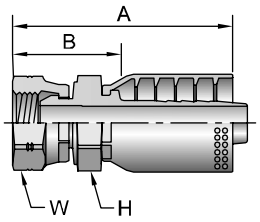
# Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
1G173-12-12	3/4x14	3/4	4.77	121,2	1.35	34,4	36	2.96	75,2
1G173-16-16	1x11	1	5.36	136,1	1.52	38,7	41	3.42	86,9



1G273

Female BSP Parallel Pipe - Swivel - 90˚ Elbow - (60˚ Cone)

# Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
1G273-12-12	3/4x14	3/4	4.12	104,6	2.62	66,6	36	2.31	58,7
1G273-16-16	1x11	1	4.71	119,6	3.04	77,2	41	2.77	70,4



1GU73

Female BSP Parallel Pipe - Swivel - (60˚ Cone)

# Part Number	Thread	Hose I.D.	A		H	W	B	
	inch	inch	inch	mm	mm	mm	inch	mm
1GU73-12-12	3/4x14	3/4	3.76	95,5	36	36	1.95	49,5
1GU73-16-16	1x11	1	4.14	105	41	41	2.20	56

Metric S: Mates with EO "S" Series Fittings
^ Must use Parkrimp 2 with Die Part No. 83C-L20.

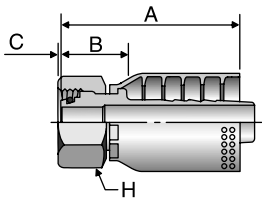
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1CA73

Female Metric L - Swivel - (24° Cone with O-Ring)

ISO 12151-2 - SWS

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1CA73-28-16	25	M36x2	1	3.43	87	0.14	3.56	41	1.42	36

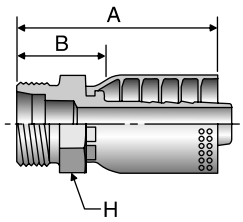


1D273

Male Metric S - Rigid - (24° Cone)

ISO 8434-1

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D273-20-12	20	M30x2	3/4	3.31	84	30	1.42	36
1D273-25-12	28	M36x2	3/4	3.39	86	36	1.50	38
1D273-30-16	30	M42x2	1	3.70	94	46	1.73	44
1D273-38-20	38	M52x2	1-1/4	4.41	112	55	1.89	48

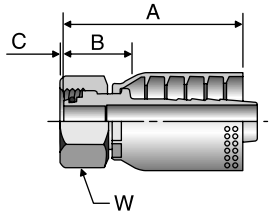


1C973

Female Metric S - Swivel - (24˚ Cone with O-Ring)

ISO 12151-2 - SWS

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1C973-20-12	20	M30x2	3/4	3.19	81	0.05	1.3	36	1.30	33
1C973-25-12	25	M36x2	3/4	3.15	80	0.09	2.3	46	1.26	32
1C973-25-16	25	M36x2	1	3.43	87	0.09	2.3	46	1.42	36
1C973-30-16	30	M42x2	1	3.43	87	0.19	4.8	50	1.42	36
1C973-30-20	30	M42x2	1-1/4	4.17	106	0.19	4.8	50	1.65	42
1C973-38-20	38	M52x2	1-1/4	4.02	102	0.23	5.8	60	1.38	35

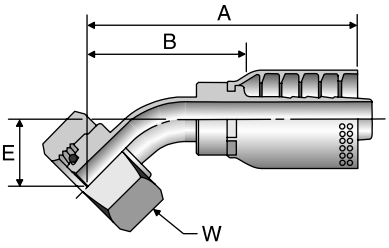


10C73

Female Metric S - Swivel - 45˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE45 - S

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
10C73-20-12	20	M30x2	3/4	4.41	112	1.10	28	36	2.52	64
10C73-25-12	25	M36x2	3/4	4.45	113	1.14	29	46	2.56	65
10C73-30-16	30	M42x2	1	5.16	131	1.34	34	50	3.19	81

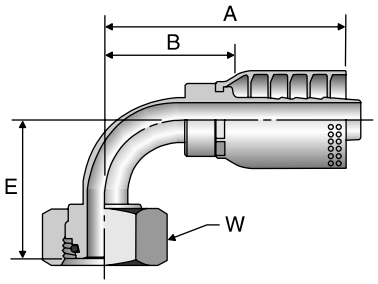


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11C73

Female Metric S - Swivel - 90˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE - S

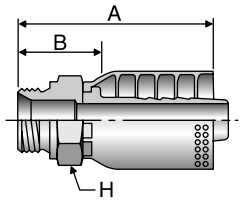


# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
11C73-20-12	20	M30X2	3/4	3.98	101	2.24	57	36	2.09	53
11C73-25-12	25	M36X2	3/4	3.98	101	2.32	59	46	2.05	52
11C73-25-16	25	M36X2	1	4.80	122	2.76	70	46	2.80	71
11C73-30-16	30	M42X2	1	4.80	122	2.87	73	50	2.83	72
11C73-38-20	38	M52X2	1-1/4	5.94	151	3.07	78	60	3.43	87

1D973

Male BSP Parellel Pipe - Rigid - (60° Cone)

ISO 228-1

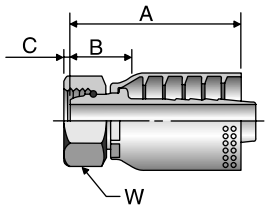


# Part Number	Thread BSP		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D973-12-12	19,1	3/4x14	3/4	3.43	87	32	1.50	38
1D973-16-16	25,4	1x11	1	3.74	95	41	1.69	43

19273

Female BSP Parallel Pipe - Swivel - (60° Cone)

ISO 228-1



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
19273-12-12	3/4x14	3/4	3.03	77	0.46	11.7	32	1.14	29
19273-16-16	1x11	1	3.50	89	0.44	11.2	41	1.50	38
19273-20-20	1-1/4x11	1-1/4	3.98	101	0.52	13.2	50	1.46	37

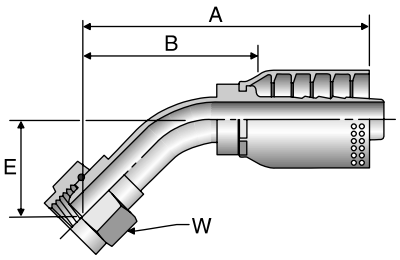
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1B173

Female BSP Parallel Pipe - Swivel- 45° Elbow - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1B173-12-12	3/4x14	3/4	4.33	110	1.02	26	32	2.44	62
1B173-16-16	1x11	1	5.35	136	1.54	39	41	3.31	84

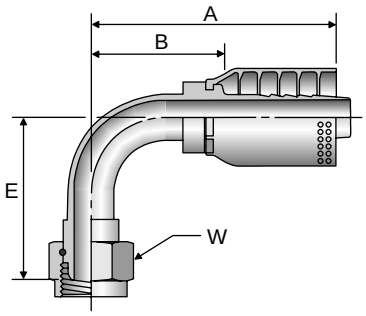


1B273

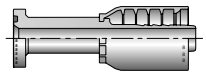
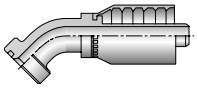
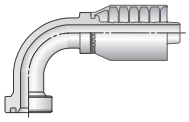
Female BSP Parallel Pipe - Swivel - 90° Elbow - (60° Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
1B273-12-12	3/4x14	3/4	4.17	106	2.17	55	32	2.28	58
1B273-16-16	1x11	1	4.76	121	2.99	76	41	2.76	70
1B273-20-20	1-1/4x11	1-1/4	5.94	151	3.15	80	50	3.43	87



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

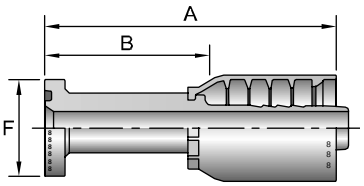
Flange	18A76 B-91	18F76 B-91	18N76 B-91
			
	Flange	*45˚ Elbow*	*90˚ Elbow*

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

18A76

Flange Head - 8,000 psi

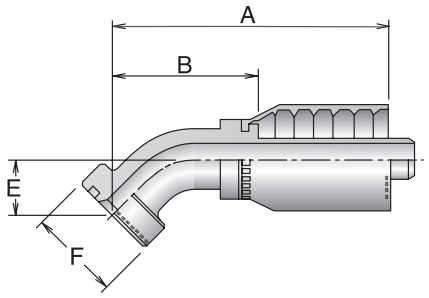
# Part Number	Flange inch	Hose I.D inch	A inch	A mm	F inch	B inch	B mm
18A76-12-12	3/4	3/4	5.29	134	1-5/8	2.96	75
18A76-16-16	1	1	5.72	145	1-7/8	3.17	81



18F76

Flange Head - 45˚ Elbow - 8,000 psi

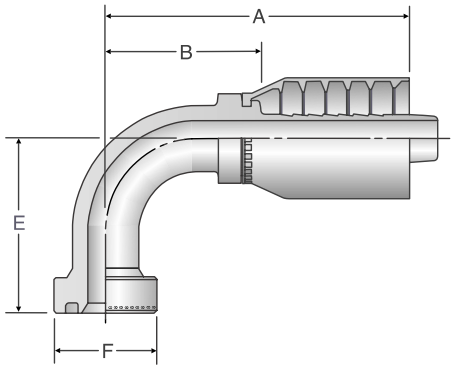
# Part Number	Flange inch	Hose I.D inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
18F76-12-12	3/4	3/4	4.95	125,7	1.024	26	1-5/8	2.62	66,5
18F76-16-16	1	1	6.10	155,0	1.260	32	1-7/8	3.55	90,1



18N76

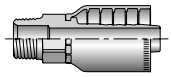
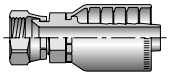
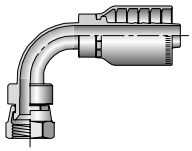
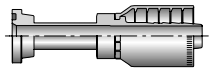
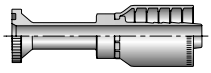
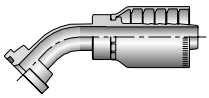
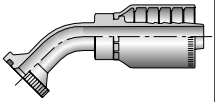
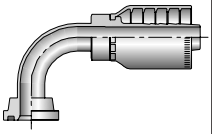
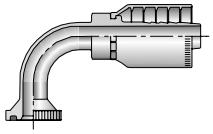
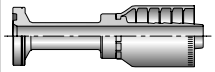
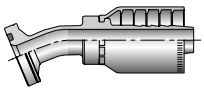
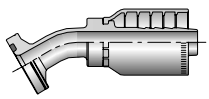
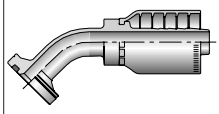
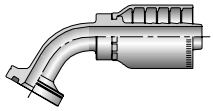
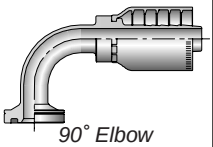
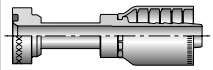
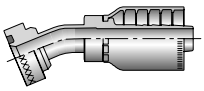
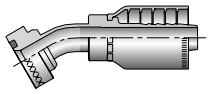
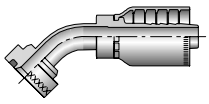
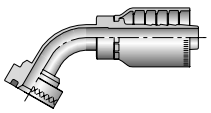
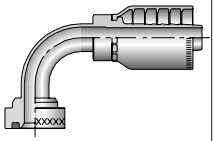
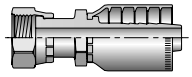
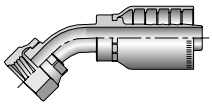
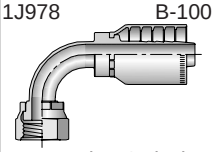
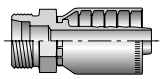
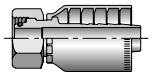
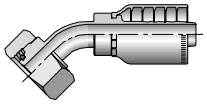
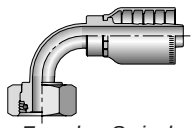
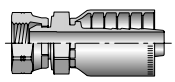
Flange Head - 90˚ Elbow - 8,000 psi

# Part Number	Flange inch	Hose I.D inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
18N76-12-12	3/4	3/4	4.81	122,1	2.76	70	1-5/8	2.48	63
18N76-16-16	1	1	5.88	149,5	2.76	70	1-7/8	3.33	84,6

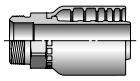
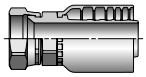
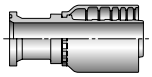
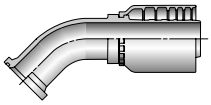
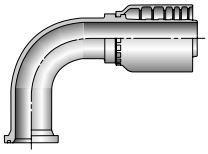
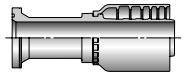
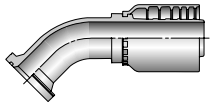
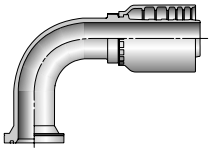
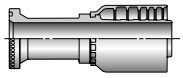
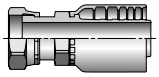


See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

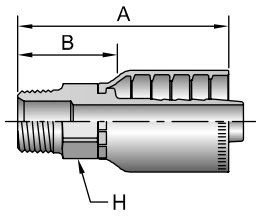
NPTF Pipe	10178 B-94  *Male - Rigid*	**JIC 37˚**	10678 B-94  *Female - Swivel*	13978 B-94  *Female - Swivel*	**Code 61 Flange**
11578 B-94  *Flange*	14A78 B-95  *Flange (5000 psi)*	11778 B-95  *45˚ Elbow*	14F78 B-95  *45˚ Elbow (5000 psi)*	11978 B-95  *90˚ Elbow*	14N78 B-96  *90˚ Elbow (5000 psi)*
Code 62 Flange	16A78 B-96  *Flange*	16B78 B-96  *22-1/2˚ Elbow*	16E78 B-96  *30˚ Elbow*	16F78 B-97  *45˚ Elbow*	16G78 B-97  *60˚ Elbow*
16N78 B-97  *90˚ Elbow*	**Caterpillar® Flange**	1XA78 B-98  *Flange*	1XB78 B-98  *22-1/2˚ Elbow*	1XE78 B-98  *30˚ Elbow*	1XF78 B-99  *45˚ Elbow*
1XG78 B-99  *60˚ Elbow*	1XN78 B-99  *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**	1JS78 B-100  *Female - Swivel Long*	1J778 B-100  *Female - Swivel 45˚ Elbow*	1J978 B-100  *Female - Swivel 90˚ Elbow - Short*
DIN “S” Series	1D278 B-101  *Male - Rigid*	**DIN “S” Series w/O-Ring**	1C978 B-101  *Female - Rigid*	10C78 B-101  *Female - Swivel 45˚ Elbow*	11C78 B-101  *Female - Swivel 90˚ Elbow*
BSP 60˚ Cone	1GU78 B-101  *Female - Swivel*				

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	101S6 B-102  *Male - Rigid*	***JIC 37°***	106S6 B-102  *Female - Swivel*	***Code 61 Flange***	14AS6 B-102  *Flange (5000 psi)*
14FS6 B-102  *45° Elbow (5000 psi)*	14NS6 B-102  *90° Elbow (5000 psi)*	***Code 62 Flange***	16AS6 B-103  *Flange Head - Straight*	16FS6 B-103  *45˚ Elbow*	16NS6 B-103  *90˚ Elbow*
Caterpillar® Flange	1XAS6 B-103  *Flange*	***Seal-Lok® (O-Ring Face Seal)***	1JSS6 B-103  *Female - Swivel*		

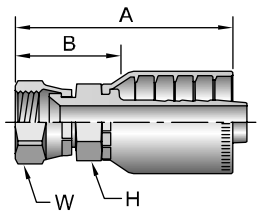
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10178
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
10178-12-12	3/4x14	3/4	3.56	90	1-1/8	1.80	46
10178-16-16	1x11-1/2	1	3.94	100	1-3/8	2.09	53
10178-20-20	1-1/4x11-1/2	1-1/4	4.92	125	1-3/4	2.53	64
10178-24-24	1-1/2x11-1/2	1-1/2	4.88	124	2	2.67	68

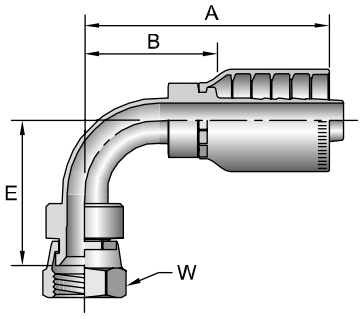
10678
Female JIC 37˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
10678-12-12	3/4	1-1/16x12	3/4	3.66	93	1-1/8	1-1/4	1.90	48	•
10678-16-12	1	1-5/16x12	3/4	3.90	99	1-3/8	1-1/2	2.14	54	
10678-16-16	1	1-5/16x12	1	4.03	102	1-3/8	1-1/2	2.18	55	•
10678-20-20	1-1/4	1-5/8x12	1-1/4	4.93	125	1-3/4	2	2.54	65	•
10678-24-24	1-1/2	1-7/8x12	1-1/2	5.04	128	2	2-1/4	2.83	72	•

All sizes of 10678 fittings are rated at 5,000 psi working pressure.

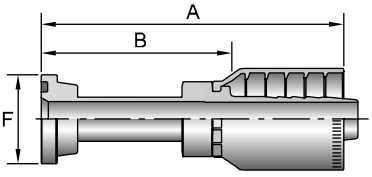
13978
Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
13978-12-12	3/4	1-1/16x12	3/4	4.12	105	2.44	62	1-1/2	2.36	60
13978-16-16	1	1-5/16x12	1	4.71	120	2.93	74	1-1/2	2.86	73
13978-20-20	1-1/4	1-5/8x12	1-1/4	5.67	144	3.35	85	2	3.28	83

All sizes of 13978 fittings are rated at 5,000 psi working pressure.

11578
SAE Code 61 Flange Head
ISO 12151-3 - S - L



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
11578-12-12	3/4	3/4	4.34	110	1-1/2	2.58	66
11578-16-16	1	1	4.59	117	1-3/4	2.74	70

See Accessories for O-Rings and Flange Kits.

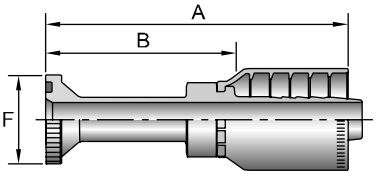
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

14A78

SAE Code 61 Flange Head - 5,000 psi

ISO 12151-3 - S - L (5000 psi)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
14A78-20-20	1-1/4	1-1/4	5.54	141	2	3.15	80
14A78-24-24	1-1/2	1-1/2	6.53	166	2-3/8	4.32	110
14A78-32-24	2	1-1/2	4.68	119	2-13/16	2.47	63

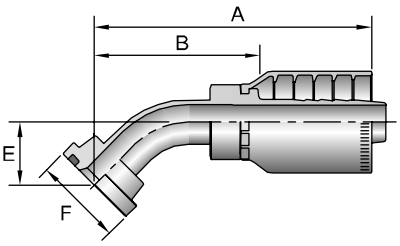


11778

SAE Code 61 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11778-12-12	3/4	3/4	4.67	119	1.06	27	1-1/2	2.91	74
11778-16-16	1	1	5.01	127	1.26	32	1-3/4	3.16	80

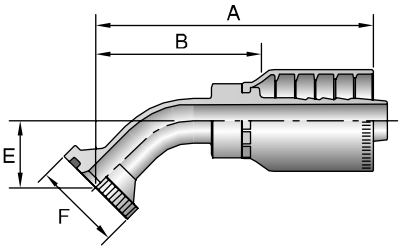


14F78

SAE Code 61 Flange Head - 45˚ Elbow - 5,000 psi

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L) (5000 psi)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
14F78-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2	4.00	102
14F78-24-24	1-1/2	1-1/2	6.99	178	1.73	44	2-3/8	4.78	121

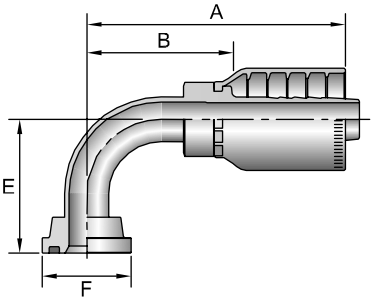


11978

SAE Code 61 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
11978-12-12	3/4	3/4	4.35	110	2.25	57	1-1/2	2.59	66
11978-16-16	1	1	4.67	119	2.76	70	1-3/4	2.82	72



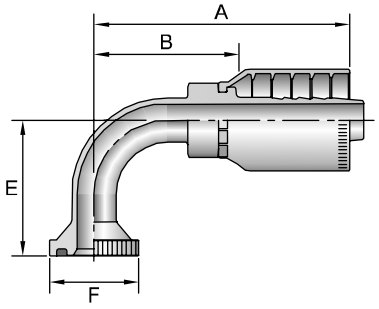
See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

14N78

SAE Code 61 Flange Head - 90˚ Elbow - 5,000 psi

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L) (5000 psi)

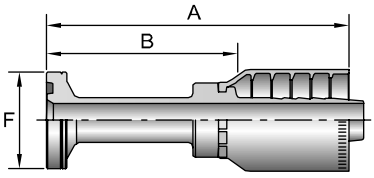


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
14N78-20-16	1-1/4	1	4.63	118	2.76	70	2	2.78	71
14N78-20-20	1-1/4	1-1/4	6.09	155	3.54	90	2	3.70	94
14N78-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-3/8	4.31	109

16A78

SAE Code 62 Flange Head

ISO 12151-3 - S - S

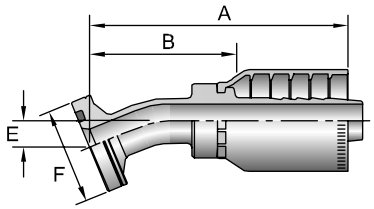


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
16A78-12-12	3/4	3/4	4.60	117	1-5/8	2.84	72
16A78-16-12	1	3/4	3.57	91	1-7/8	1.81	46
16A78-16-16	1	1	5.16	131	1-7/8	3.31	84
16A78-20-16	1-1/4	1	3.95	100	2-1/8	2.10	53
16A78-20-20	1-1/4	1-1/4	5.85	149	2-1/8	3.46	88
16A78-24-20	1-1/2	1-1/4	4.77	121	2-1/2	2.38	60
16A78-24-24	1-1/2	1-1/2	6.54	166	2-1/2	4.33	110
16A78-32-24	2	1-1/2	5.07	129	3-1/8	2.86	73

16B78

SAE Code 62 Flange Head - 22-1/2˚ Elbow

ISO 12151-3 - E22M - S

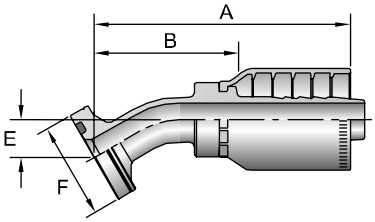


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16B78-16-16	1	1	4.57	116	0.46	12	1-7/8	2.72	60

16E78

SAE Code 62 Flange Head - 30˚ Elbow

ISO 12151-3 - E30S - S (1 Piece: ISO 12151-3 - E30M - S)



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16E78-20-20	1-1/4	1-1/4	6.71	170	0.87	22	2-1/8	4.32	110
16E78-24-24	1-1/2	1-1/2	7.10	180	1.12	28	2-1/2	4.89	124

See Accessories for O-Rings and Flange Kits.

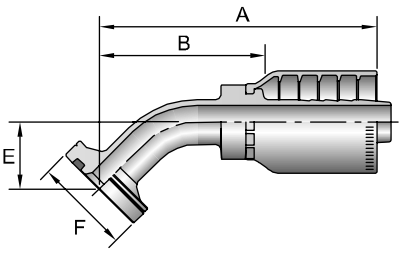
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16F78

SAE Code 62 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - S (1 Piece: ISO 12151-3 - E45M - S)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16F78-12-12	3/4	3/4	4.31	109	1.02	26	1-5/8	2.55	65
16F78-16-12	1	3/4	4.83	123	1.22	31	1-7/8	3.07	78
16F78-16-16	1	1	5.04	128	1.26	32	1-7/8	3.19	81
16F78-20-16	1-1/4	1	5.01	127	1.26	32	2-1/8	3.16	80
16F78-20-20	1-1/4	1-1/4	6.39	162	1.50	38	2-1/8	4.00	102
16F78-24-20	1-1/2	1-1/4	6.39	162	1.50	38	2-1/2	4.00	102
16F78-24-24	1-1/2	1-1/2	6.99	178	1.73	44	2-1/2	4.78	121

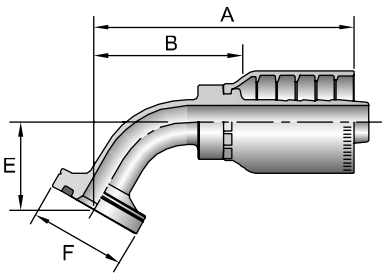


16G78

SAE Code 62 Flange Head - 60˚ Elbow

ISO 12151-3 - E60S - S (1 Piece: ISO 12151-3 - E60M - S)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16G78-16-16	1	1	5.85	149	1.73	44	1-7/8	4.00	102
16G78-20-20	1-1/4	1-1/4	7.72	196	2.17	55	2-1/8	5.33	135
16G78-24-24	1-1/2	1-1/2	8.41	214	2.52	64	2-1/2	6.20	157

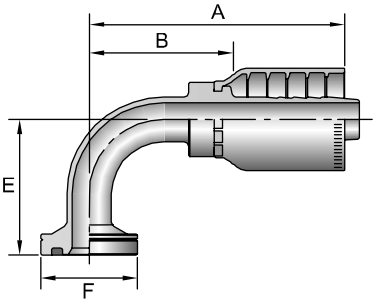


16N78

SAE Code 62 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)

# Part Number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16N78-12-12	3/4	3/4	4.00	102	2.28	58	1-5/8	2.24	57
16N78-16-12	1	3/4	3.97	101	2.28	58	1-7/8	2.21	56
16N78-16-16	1	1	4.63	118	2.76	70	1-7/8	2.78	71
16N78-20-16	1-1/4	1	4.63	118	2.76	70	2-1/8	2.78	71
16N78-20-20	1-1/4	1-1/4	6.09	155	3.54	90	2-1/8	3.70	94
16N78-24-16	1-1/2	1	5.04	126	2.70	69	2-1/2	3.19	81
16N78-24-20	1-1/2	1-1/4	6.09	155	3.54	90	2-1/2	3.70	94
16N78-24-24	1-1/2	1-1/2	6.52	166	4.09	104	2-1/2	4.31	109
16N78-32-24	2	1-1/2	6.52	166	4.09	104	3-1/8	4.31	109

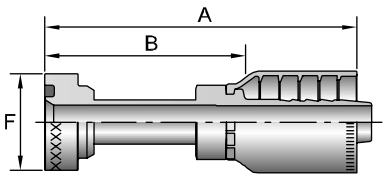


See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1XA78

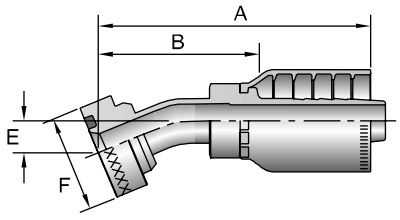
Caterpillar® Flange Head



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
1XA78-12-12	3/4	3/4	4.85	123,2	1-5/8	3.09	78,5
1XA78-16-12	1	3/4	5.29	134,4	1-7/8	3.53	89,7
1XA78-16-16	1	1	5.44	138,2	1-7/8	3.59	91,2
1XA78-20-16	1-1/4	1	5.65	143,5	2-1/8	3.80	96,5
1XA78-20-20	1-1/4	1-1/4	6.10	154,9	2-1/8	3.71	94,2
1XA78-24-20	1-1/2	1-1/4	6.35	161,3	2-1/2	3.96	100,6
1XA78-24-24	1-1/2	1-1/2	6.78	172,2	2-1/2	4.57	116,1

1XB78

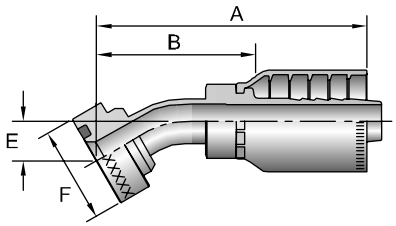
Caterpillar® Flange Head - 22-1/2˚ Elbow



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XB78-12-12	3/4	3/4	4.59	117	0.54	14	1-5/8	2.83	72
1XB78-16-16	1	1	4.66	118	0.50	13	1-7/8	2.81	71
1XB78-20-16	1-1/4	1	4.66	118	0.50	13	2-1/8	2.81	71
1XB78-20-20	1-1/4	1-1/4	7.21	183	0.80	20	2-1/8	4.82	122
1XB78-24-20	1-1/2	1-1/4	7.21	183	0.80	20	2-1/2	4.82	122
1XB78-24-24	1-1/2	1-1/2	7.08	180	0.73	19	2-1/2	4.87	124

1XE78

Caterpillar® Flange Head - 30˚ Elbow



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XE78-16-16	1	1	5.08	129	0.79	20	1-7/8	3.23	82
1XE78-20-16	1-1/4	1	5.10	128	0.80	20	2-1/8	3.25	83
1XE78-20-20	1-1/4	1-1/4	6.38	162	0.93	24	2-1/8	3.99	101
1XE78-24-20	1-1/2	1-1/4	6.38	162	0.93	24	2-1/2	3.99	101
1XE78-24-24	1-1/2	1-1/2	7.10	180	1.14	29	2-1/2	4.89	124

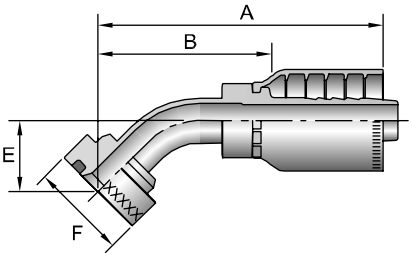
Caterpillar® style fittings conform to the bolt hole patterns of SAE Code 62 and require special flange halves and seals. The Caterpillar® style flange heads are thicker than SAE Code 62 and measure to a .560' thickness in all sizes.

See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

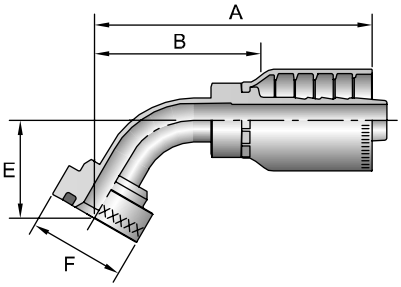
1XF78
Caterpillar® Flange Head - 45˚ Elbow

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XF78-12-12	3/4	3/4	4.82	122	1.21	31	1-5/8	3.06	78
1XF78-16-12	1	3/4	4.81	120	1.20	30	1-7/8	3.05	77
1XF78-16-16	1	1	5.46	139	1.43	36	1-7/8	3.61	92
1XF78-20-16	1-1/4	1	5.46	139	1.43	36	2-1/8	3.61	92
1XF78-20-20	1-1/4	1-1/4	6.38	162	1.44	37	2-1/8	3.99	101
1XF78-24-20	1-1/2	1-1/4	6.38	162	1.44	37	2-1/2	3.99	101
1XF78-24-24	1-1/2	1-1/2	6.89	175	1.54	39	2-1/2	4.68	119



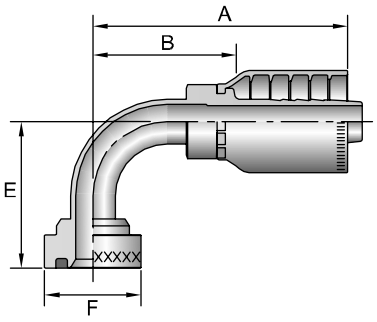
1XG78
Caterpillar® Flange Head - 60˚ Elbow

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XG78-16-16	1	1	5.13	130	1.96	50	1-7/8	3.28	83
1XG78-20-20	1-1/4	1-1/4	6.72	171	2.02	51	2-1/8	4.33	110
1XG78-24-24	1-1/2	1-1/2	6.87	174	2.04	52	2-1/2	4.67	119



1XN78
Caterpillar® Flange Head - 90˚ Elbow

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XN78-12-12	3/4	3/4	4.35	110	2.46	62	1-5/8	2.59	66
1XN78-12-16	3/4	1	4.58	116	2.46	62	1-5/8	2.73	69
1XN78-16-12	1	3/4	4.35	110	2.44	62	1-7/8	2.59	66
1XN78-16-16	1	1	5.04	128	2.90	74	1-7/8	3.19	81
1XN78-20-16	1-1/4	1	5.04	128	2.90	74	2-1/8	3.19	81
1XN78-20-20	1-1/4	1-1/4	6.75	171	3.02	77	2-1/8	4.36	111
1XN78-24-20	1-1/2	1-1/4	6.75	171	3.02	77	2-1/2	4.36	111
1XN78-24-24	1-1/2	1-1/2	5.85	149	3.41	87	2-1/2	3.64	92



Caterpillar® style fittings conform to the bolt hole patterns of SAE Code 62 and require special flange halves and seals. The Caterpillar® style flange heads are thicker than SAE Code 62 and measure to a .560' thickness in all sizes.

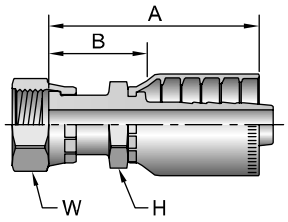
See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1JS78

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

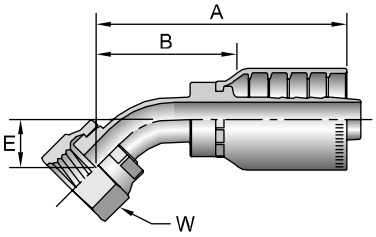


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JS78-12-12	3/4	1-3/16x12	3/4	3.70	94	1-1/8	1-3/8	1.94	49
1JS78-16-16	1	1-7/16x12	1	4.03	102	1-3/8	1-5/8	2.18	55
1JS78-20-16	1-1/4	1-11/16x12	1	3.99	101	1-3/4	1-7/8	2.14	54
1JS78-20-20	1-1/4	1-11/16x12	1-1/4	4.62	117	1-3/4	1-7/8	2.23	57
1JS78-24-24	1-1/2	2-12	1-1/2	4.70	119,4	2	2-1/4	2.49	63,2

1J778

Female Seal-Lok® - Swivel - 45˚ Elbow

ISO 12151-1 - SWE45

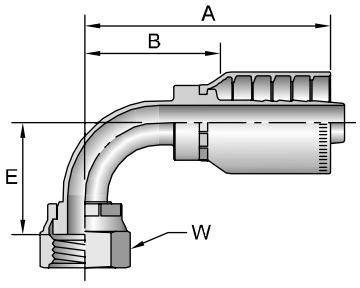


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J778-12-12	3/4	1-3/16x12	3/4	4.11	104	0.81	21	1-3/8	2.35	60
1J778-16-16	1	1-7/16x12	1	4.69	119	0.94	24	1-5/8	2.84	72
1J778-20-20	1-1/4	1-11/16x12	1-1/4	5.78	147	0.98	25	1-7/8	3.29	84
1J778-24-24	1-1/2	2x12	1-1/2	6.91	176	1.56	40	2-1/4	4.70	119

1J978

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO 12151-1 - SWES90



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J978-12-12	3/4	1-3/16x12	3/4	3.97	100	1.89	48	1-3/8	2.21	56
1J978-16-16	1	1-7/16x12	1	4.62	117	2.21	56	1-5/8	2.77	70
1J978-20-16	1-1/4	1-11/16x12	1	5.04	128	2.54	65	1-7/8	3.10	81
1J978-20-20	1-1/4	1-11/16x12	1-1/4	5.82	148	2.52	64	1-7/8	3.43	87
1J978-24-24	1-1/2	2x12	1-1/2	6.58	167	2.70	69	2-1/4	4.37	111

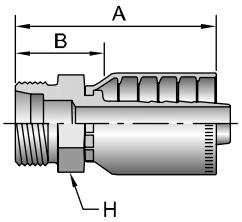
See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1D278

Male Metric S - Rigid - (24˚ Cone)

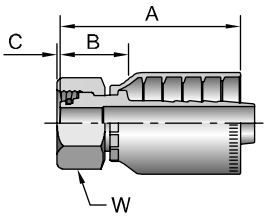
# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D278-25-12	25	M36x2	3/4	3.38	86	36	1.62	41
1D278-30-16	30	M42x2	1	3.72	94	46	1.87	47
1D278-38-20	38	M52x2	1-1/4	4.42	112	55	2.03	52



1C978

Female Metric S - Swivel - (24˚ Cone with O-Ring)

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	C inch	C mm	W mm	B inch	B mm
1C978-25-12	25	M36x2	3/4	3.12	79	0.10	3	46	1.36	35
1C978-30-16	30	M42x2	1	3.40	86	0.19	5	50	1.55	39
1C978-38-20	38	M52x2	1-1/4	3.98	101	0.23	6	60	1.59	40



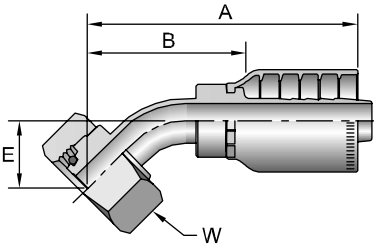
When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

10C78

Female Metric S - Swivel - 45˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE45 - S

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
10C78-25-12	25	M36x2	3/4	4.45	113	1.14	29	46	2.56	65
10C78-30-16	30	M42x2	1	5.16	131	1.34	34	50	3.19	81
10C78-38-20	38	M52x2	1-1/4	6.44	164	1.50	38	60	4.05	103

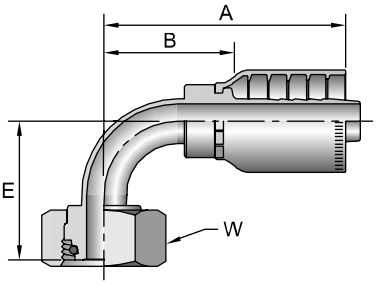


11C78

Female Metric S - Swivel - 90˚ Elbow - (24˚ Cone with O-Ring)

ISO 12151-2 - SWE - S

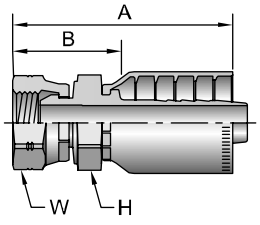
# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
11C78-25-12	25	M36x2	3/4	4.12	105	2.32	59	46	2.36	60
11C78-30-16	30	M42x2	1	4.71	120	2.68	68	50	2.86	73
11C78-38-20	38	M52x2	1-1/4	5.67	144	2.86	73	60	3.28	83



1GU78

Female BSP Parallel Pipe - Swivel - (60˚ Cone)

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1GU78-12-12	3/4x14	3/4	3.76	96	36	36	2.00	51
1GU78-16-16	1x11	1	4.14	105	41	41	2.29	58

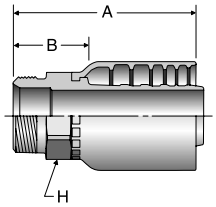


Metric S: Mates with EO "S" Series Fittings. See Accessories for O-Rings and Flange Kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

101S6

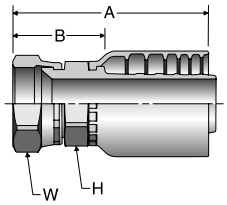
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
101S6-32-32	2 x 11 1/2	2	5.88	149,5	2-1/2	2.44	61,9

106S6

Female JIC 37° - Swivel

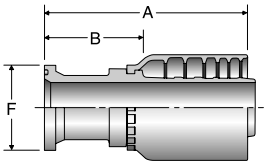


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
106S6-32-32	2 1/2 x 12	2	6.52	165,7	2.5	3.08	78,2

14AS6

SAE Code 61 Flange Head - 5,000 psi

ISO 12151-3-S-L (5,000 psi)

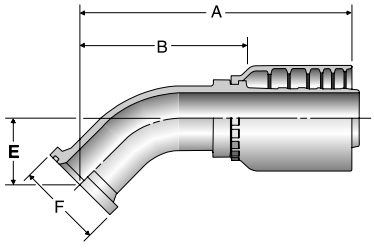


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm	E inch	E mm
14AS6-32-32	2	2	6.72	170,8	2-13/16	3.28	83,3	-	-

14FS6

SAE Code 61 Flange Head - 45° Elbow - 5,000 psi

ISO 12151-3-E-45S-L (1 Piece: ISO 12151-3-E45M-L) (5,000 psi)

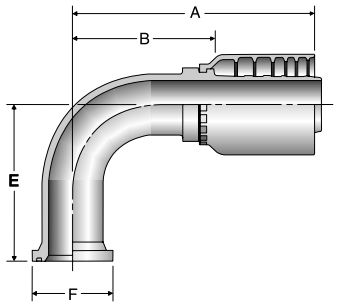


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm	E inch	E mm
14FS6-32-32	2	2	9.00	228,7	2-13/16	5.56	141,2	2.205	56,0

14NS6

SAE Code 61 Flange Head - 90° Elbow - 5,000 psi

ISO 12151-3-E-90S-L (1 Piece: ISO 12151-3-E90M-L) (5,000 psi)



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm	E inch	E mm
14NS6-32-32	2	2	8.41	213,7	2-13/16	4.97	126,2	5.433	138,0

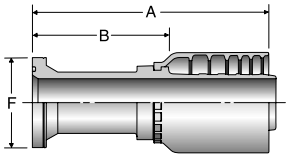
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16AS6

SAE Code 62 Flange Head

ISO 12151-3-S-S

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm	E inch	E mm
16AS6-32-32	2	2	8.21	208,6	3-1/8	4.77	121,1	-	-

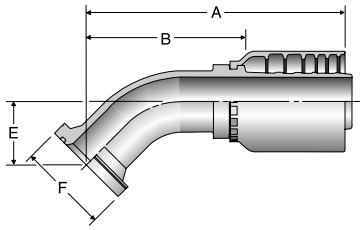


16FS6

SAE Code 62 Flange Head - 45° Elbow

ISO 12151-3-E45S-S (1 Piece: ISO 1251-3-E45-M-S)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm	E inch	E mm
16FS6-32-32	2	2	9.00	208,6	3-1/8	5.56	141,2	2.205	56,0

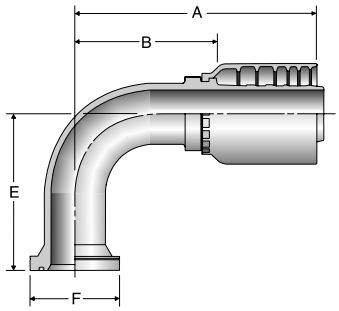


16NS6

SAE Code 62 Flange Head - 90° Elbow

ISO 12151-3-E90S-S (1 Piece: ISO 1251-3-E90M-S)

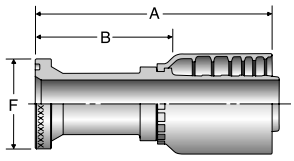
# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm	E inch	E mm
16NS6-32-32	2	2	8.41	213,7	3-1/8	4.97	126,2	5.43	138,0



1XAS6

Caterpillar® Flange Head

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
IXAS6-32-32	2	2	8.21	208,6	3-1/8	4.77	121

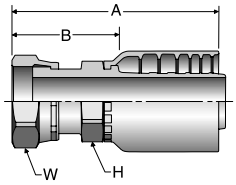


1JSS6

SAE Code 61 Flange Head - Straight

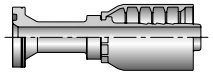
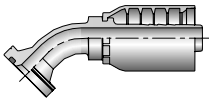
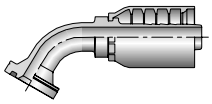
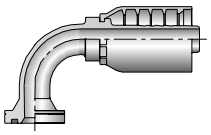
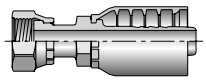
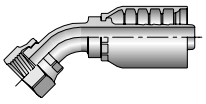
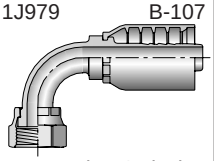
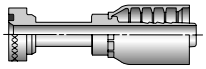
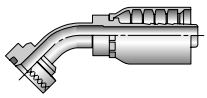
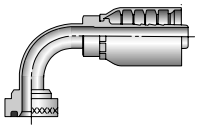
ISO 12151-S-L

# Part Number	Flange inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1JSS6-32-32	2	2.5X12	2	6.46	164,2	2.5	3.02	76,7



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

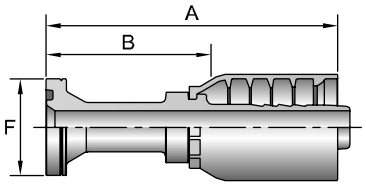
Code 62 Flange	16A79 B-106  *Flange*	16F79 B-106  *45˚ Elbow*	16G79 B-106  *60˚ Elbow*	16N79 B-107  *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**
1JS79 B-107  *Female - Swivel Long*	1J779 B-107  *Female - Swivel 45˚ Elbow*	1J979 B-107  *Female - Swivel 90˚ Elbow - Short*	**Flange Head**	1XA79 B-108  *Flange Head*	1XF79 B-108  *45˚ Elbow*
1XN79 B-108  *90˚ Elbow*					

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16A79

SAE Code 62 Flange Head

ISO 12151-3 - S - S

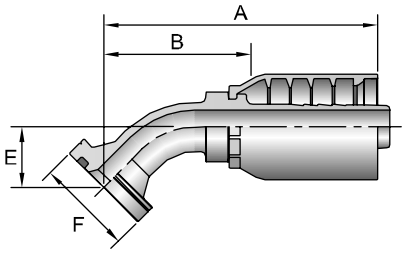


# Part Number	Flange inch	Hose I.D inch	A inch	A mm	F inch	B inch	B mm
16A79-12-12	3/4	3/4	4.90	124	1-5/8	2.84	72
16A79-16-12	1	3/4	3.88	99	1-7/8	1.82	46
16A79-16-16	1	1	5.48	139	1-7/8	3.31	84
16A79-20-16	1-1/4	1	4.28	109	2-1/8	2.11	54
16A79-20-20	1-1/4	1-1/4	6.09	155	2-1/8	3.41	87
16A79-24-24	1-1/2	1-1/2	7.11	181	1-1/2	4.07	103

16F79

SAE Code 62 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - S (1 Piece: ISO 12151-3 - E45M - S)

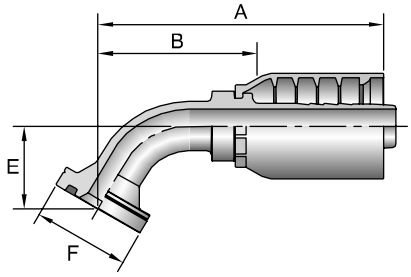


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16F79-12-12	3/4	3/4	4.61	117	1.02	26	1-5/8	2.55	65
16F79-16-16	1	1	5.33	135	1.26	32	1-7/8	3.16	80
16F79-16-20	1	1-1/4	6.25	159	1.50	38	1-7/8	3.57	91
16F79-20-16	1-1/4	1	5.33	135	1.26	32	2-1/8	3.16	80
16F79-20-20	1-1/4	1-1/4	6.77	1/2	1.50	38	2-1/8	4.09	104
16F79-24-24	1-1/2	1-1/2	7.96	202	1.73	44	2-1/2	4.07	103

16G79

SAE Code 62 Flange Head - 60˚ Elbow

ISO 12151-3 - E60S - S (1 Piece: ISO 12151-3 - E60M - S)



# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16G79-16-16	1	1	6.18	157	1.73	44	1-7/8	4.01	102

See Accessories for O-Rings and Flange Kits.

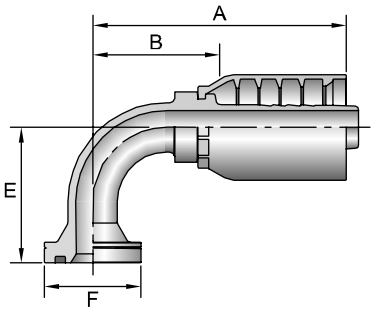
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

16N79

SAE Code 62 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - S (1 Piece: ISO 12151-3 - E90M - S)

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
16N79-12-12	3/4	3/4	4.27	108	2.28	58	1-5/8	2.21	56
16N79-16-12	1	3/4	4.27	108	2.28	58	1-7/8	2.21	56
16N79-16-16	1	1	4.95	126	2.76	70	1-7/8	2.78	71
16N79-20-16	1-1/4	1	4.95	126	2.76	70	2-1/8	2.78	71
16N79-20-20	1-1/4	1-1/4	6.31	160	3.54	90	2-1/8	3.63	92
16N79-24-24	1-1/2	1-1/2	7.50	190	4.09	104	2-1/2	4.46	113

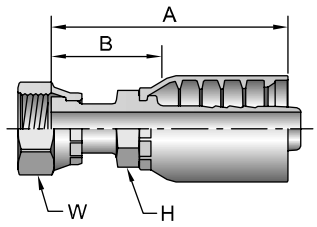


1JS79

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JS79-12-12	3/4	1-3/16x12	3/4	3.99	101	1-1/8	1-3/8	1.93	49
1JS79-16-12	1	1-7/16x12	3/4	4.26	108	1-3/8	1-5/8	2.20	56
1JS79-16-16	1	1-7/16x12	1	4.45	113	1-3/8	1-5/8	2.28	58
1JS79-20-16	1-1/4	1-11/16x12	1	4.32	110	1-3/4	1-7/8	2.15	55
1JS79-20-20	1-1/4	1-11/16x12	1-1/4	5.00	127	1-3/4	1-7/8	2.32	59
1JS79-24-24	1-1/2	2x12	1-1/2	5.28	134	2	2-1/4	2.24	57

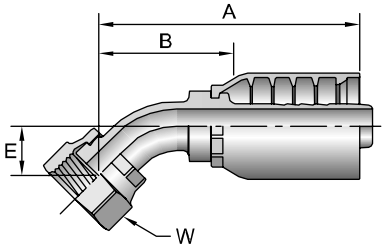


1J779

Female Seal-Lok® - Swivel - 45˚ Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J779-12-12	3/4	1-3/16x12	3/4	4.40	112	0.83	21	1-3/8	2.34	59
1J779-16-16	1	1-7/16x12	1	5.01	127	0.94	24	1-5/8	2.84	72
1J779-20-20	1-1/4	1-11/16x12	1-1/4	6.15	156	1.00	25	1-7/8	3.49	89

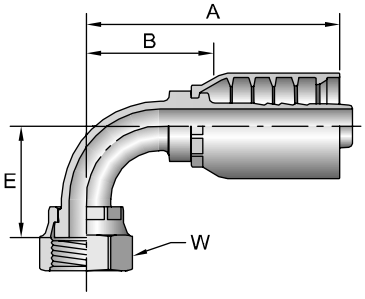


1J979

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO - 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J979-12-12	3/4	1-3/16x12	3/4	4.27	108	1.88	48	1-3/8	2.21	56
1J979-16-16	1	1-7/16x12	1	4.95	126	2.21	56	1-5/8	2.78	71
1J979-20-20	1-1/4	1-11/16x12	1-1/4	6.20	157	2.52	64	1-7/8	3.52	89

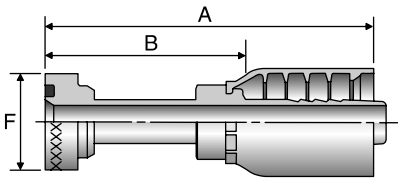


See Accessories for O-Rings and Flange kits.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1XA79

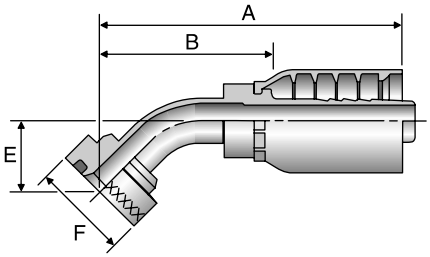
Caterpillar® Flange Head



# Part Number	Flange inch	Hose I.D inch	A inch	A mm	F inch	B inch	B mm
1XA79-12-12	3/4	3/4	4.89	124	1-5/8	2.83	72
1XA79-16-16	1	1	5.75	146	1-7/8	3.59	91
1XA79-20-16	1-1/4	1	4.32	110	2-1/8	2.15	55
1XA79-20-20	1-1/4	1-1/4	6.25	159	2-1/8	3.57	91
1XA79-24-24	1-1/2	1-1/2	7.17	182	2-1/2	4.13	105

1XF79

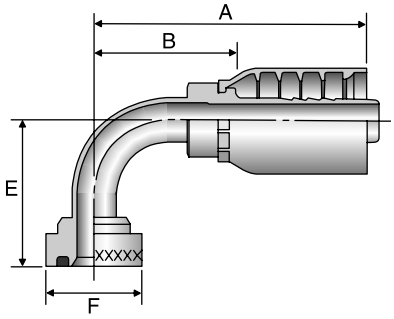
Caterpillar® Flange Head - 45˚ Elbow



# Part Number	Flange inch	Hose I.D inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XF79-12-12	3/4	3/4	4.80	122	1.22	31	1-5/8	2.74	70
1XF79-16-16	1	1	5.49	139	1.42	36	1-7/8	3.32	84
1XF79-20-16	1-1/4	1	5.49	139	1.42	36	2-1/8	3.32	84
1XF79-20-20	1-1/4	1-1/4	6.72	171	1.44	37	2-1/8	4.04	103

1XN79

Caterpillar® Flange Head - 90˚ Elbow



# Part Number	Flange inch	Hose I.D inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1XN79-12-12	3/4	3/4	4.27	108	2.48	63	1-5/8	2.21	56
1XN79-16-16	1	1	4.94	125	2.91	74	1-7/8	2.78	71
1XN79-20-16	1-1/4	1	4.94	125	2.91	74	2-1/8	2.78	71
1XN79-20-20	1-1/4	1-1/4	6.31	160	3.70	94	2-1/8	3.63	92
1XN79-24-24	1-1/2	1-1/2	7.50	191	4.16	106	2-1/2	4.46	113

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

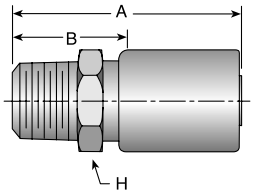
NPTF Pipe	101HY B-111 *Male - Rigid*	113HY B-111 *Male - Swivel*	11LHY B-112 *Male - Swivel 90˚ Elbow*	102HY B-112 *Female - Rigid*	***NPSM Pipe***
107HY B-112 *Female - Swivel (60˚ Cone)*	***Straight Thread***	105HY B-113 *Male - Rigid*	10GHY B-113 *Male - Swivel*	10LHY B-114 *Swivel - Swivel 90˚ Elbow*	***JIC 37°***
103HY B-114 *Male - Rigid*	106HY B-115 *Female - Swivel*	137HY B-116 *Female - Swivel 45˚ Elbow - Short*	139HY B-116 *Female - Swivel 90˚ Elbow - Short*	141HY B-117 *Female - Swivel 90˚ Elbow - Long*	193HY B-117 *Female - Swivel 90˚ Elbow - Block*
SAE 45˚	108HY B-117 *Female - Swivel*	177HY B-118 *Female - Swivel 45˚ Elbow*	179HY B-118 *Female - Swivel 90˚ Elbow*	***Flareless***	111HY B-118 *Male - Rigid*
Grease Connection	1GJHY B-118 *Female - Rigid*	***Standpipe***	134HY B-119 *Male Standpipe Rigid*	***Inverted Flare***	128HY B-119 *Male - Swivel*
167HY B-119 *Male - Swivel 45˚ Elbow*	169HY B-120 *Male - Swivel 90˚ Elbow*	129HY B-120 *Female - Rigid*	***Seal-Lok® (O-Ring Face Seal)***	1J0HY B-120 *Male - Rigid w/O-Ring*	1JCHY B-120 *Female - Swivel Short*
1JSHY B-121 *Female - Swivel Long*	1J7HY B-121 *Female - Swivel 45˚ Elbow*	1J9HY B-122 *Female - Swivel 90˚ Elbow - Short*	1J1HY B-122 *Female - Swivel 90˚ Elbow - Long*	***Metric L & S***	1D0HY B-123 *Male - Rigid*
13DHY B-123 *Male Standpipe Rigid*	***BSP***	1D9HY B-123 *Male - Rigid*	1GUHY B-124 *Female - Swivel*	1UTHY B-124 *Male - Rigid*	1XUHY B-124 *Female - Metric Swivel*

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

101HY

Male NPTF Pipe - Rigid

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm	Additional Material Stainless Steel (C303)
101HY-2-4	1/8x27	1/4	2.34	59	5/8	1.00	25	
101HY-4-4	1/4x18	1/4	2.53	64	9/16	1.19	30	
101HY-4-5	1/4x18	5/16	2.56	65	11/16	1.22	31	
101HY-4-6	1/4x18	3/8	2.55	65	11/16	1.19	30	
101HY-6-4	3/8x18	1/4	2.53	64	3/4	1.19	30	
101HY-6-5	3/8x18	5/16	2.56	65	3/4	1.22	31	
101HY-6-6	3/8x18	3/8	2.55	65	3/4	1.19	30	•
101HY-6-8	3/8x18	1/2	2.72	69	7/8	1.38	35	
101HY-8-4	1/2x14	1/4	2.72	69	7/8	1.38	35	
101HY-8-6	1/2x14	3/8	2.73	69	7/8	1.38	35	
101HY-8-7	1/2x14	13/32	2.73	69	7/8	1.38	35	
101HY-8-8	1/2x14	1/2	2.91	74	7/8	1.41	40	•
101HY-8-10	1/2x14	5/8	2.94	75	1-1/8	1.59	40	
101HY-8-12	1/2x14	3/4	3.08	78	1-1/4	1.50	38	
101HY-12-8	3/4x14	1/2	2.91	74	1-1/16	1.56	40	
101HY-12-10	3/4x14	5/8	2.98	76	1-1/8	1.59	40	
101HY-12-12	3/4x14	3/4	3.08	78	1-1/4	1.50	38	•
101HY-12-16	3/4x14	1	3.23	82	1-3/8	1.63	41	
101HY-16-12	1x11-1/2	3/4	3.27	83	1-3/8	1.69	43	
101HY-16-14	1x11-1/2	7/8	3.27	83	1-3/8	1.78	43	
101HY-16-16	1x11-1/2	1	3.42	87	1-3/8	1.81	46	•
101HY-20-20	1-1/4x11-1/2	1-1/4	3.84	98	1-3/4	2.00	51	

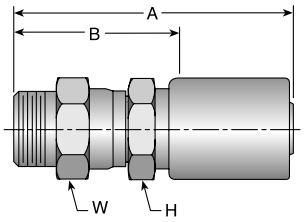


Stainless steel fittings must be assembled with Karrykrimp 2, Phastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

113HY

Male NPTF Pipe - Swivel

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
113HY-2-4	1/8x27	1/4	2.97	75	9/16	5/8	1.63	41
113HY-4-4	1/4x18	1/4	3.06	78	9/16	5/8	1.72	44
113HY-4-6	1/4x18	3/8	3.17	81	11/16	11/16	1.81	46
113HY-6-4	3/8x18	1/4	3.13	80	5/8	11/16	1.78	45
113HY-6-6	3/8x18	3/8	3.11	79	11/16	11/16	1.75	44
113HY-6-8	3/8x18	1/2	3.31	84	7/8	7/8	1.97	50
113HY-8-6	1/2x14	3/8	3.38	86	7/8	7/8	2.03	52
113HY-8-8	1/2x14	1/2	3.50	89	7/8	7/8	2.16	55
113HY-12-12	3/4x14	3/4	3.95	100	1-1/4	1-1/4	2.38	60
113HY-16-16	1x11-1/2	1	4.23	107	1-1/2	1-1/2	2.63	67

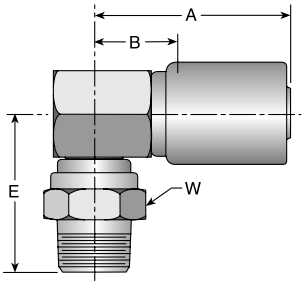


Fitting allows minor movement under pressure to relieve stress on hose but is not to be used for continuous swiveling.
See Technical Section for Pressure Limitations.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

11LHY

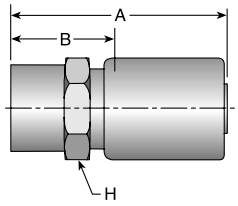
Male NPTF Pipe - Swivel - 90˚ Elbow



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
11LHY-2-4	1/8x27	1/4	2.31	59	1.50	38	5/8	0.97	25
11LHY-4-4	1/4x18	1/4	2.31	59	1.69	43	11/16	0.97	25
11LHY-4-6	1/4x18	3/8	2.33	59	1.69	43	11/16	0.97	25
11LHY-6-4	3/8x18	1/4	2.31	59	1.63	41	11/16	0.97	25
11LHY-6-6	3/8x8	3/8	2.33	59	1.63	41	11/16	0.97	25
11LHY-8-6	1/2x14	3/8	2.73	69	1.88	48	7/8	0.97	25
11LHY-8-8	1/2x14	1/2	3.00	76	1.93	49	7/8	1.09	28

102HY

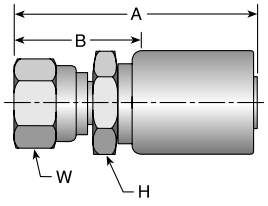
Female NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
102HY-2-4	1/8x27	1/4	2.34	59	5/8	1.00	25
102HY-4-4	1/4x18	1/4	2.47	63	11/16	1.13	29
102HY-4-6	1/4x18	3/8	2.48	63	11/16	1.13	29
102HY-6-4	3/8x18	1/4	2.47	63	7/8	1.13	29
102HY-6-6	3/8x18	3/8	2.48	63	7/8	1.13	29
102HY-8-6	1/2x14	3/8	2.75	70	1	1.41	36
102HY-8-8	1/2x14	1/2	2.84	72	1	1.50	38
102HY-12-12	3/4x14	3/4	2.83	72	1-1/4	1.25	32
102HY-16-16	1x11-1/2	1	3.27	83	1-1/2	1.66	42

107HY

Female NPSM Pipe - Swivel - (60˚ Cone)



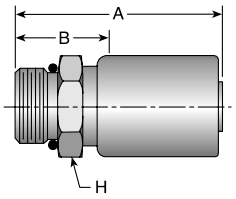
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
107HY-4-4	1/4x18	1/4	2.66	68	9/16	11/16	1.31	33
107HY-6-4	3/8x18	1/4	2.72	69	3/4	7/8	1.38	35
107HY-6-6	3/8x18	3/8	2.55	65	3/4	7/8	1.19	30
107HY-8-8	1/2x14	1/2	2.91	74	1	1	1.56	40
107HY-12-8	3/4x14	1/2	3.05	77	1-1/4	1-1/4	1.69	43
107HY-12-12	3/4x14	3/4	3.22	82	1-1/4	1-1/4	1.66	42
107HY-16-16	1x11-1/2	1	3.39	86	1-3/8	1-1/2	1.78	45

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

105HY

Male SAE Straight Thread with O-Ring - Rigid

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
105HY-4-4	7/16x20	1/4	2.33	59	9/16	0.97	25
105HY-5-4	1/2x20	1/4	2.33	59	5/8	0.97	25
105HY-6-4	9/16x18	1/4	2.42	61	11/16	1.06	27
105HY-6-6	9/16x18	3/8	2.38	60	11/16	1.03	26
105HY-8-6	3/4x16	3/8	2.42	61	7/8	1.06	27
105HY-8-8	3/4x16	1/2	2.59	66	7/8	1.25	32
105HY-10-6	7/8x14	3/8	2.55	65	1	1.19	30
105HY-10-8	7/8x14	1/2	2.66	68	1	1.31	33
105HY-10-10	7/8x14	5/8	2.80	71	1-1/8	1.41	36
105HY-12-8	1-1/16x12	1/2	2.81	71	1-1/4	1.47	37
105HY-12-10	1-1/16x12	5/8	2.83	72	1-1/4	1.44	37
105HY-12-12	1-1/16x12	3/4	2.92	74	1-1/4	1.34	34
105HY-16-12	1-5/16x12	3/4	2.92	74	1-1/2	1.34	34
105HY-16-16	1-5/16x12	1	3.08	78	1-1/2	1.47	37

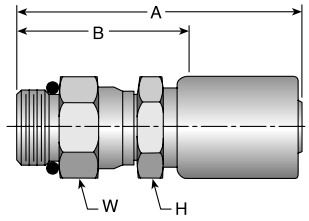


10GHY

Male SAE Straight Thread with O-Ring - Swivel

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
10GHY-4-4	7/16x20	1/4	3.00	76	9/16	5/8	1.66	42
10GHY-5-4	1/2x20	1/4	3.00	76	9/16	5/8	1.66	42
10GHY-6-4	9/16x18	1/4	3.16	80	5/8	11/16	1.81	46
10GHY-6-6	9/16x18	3/8	3.14	80	11/16	11/16	1.78	45
10GHY-8-6	3/4x16	3/8	3.24	82	13/16	7/8	1.88	48
10GHY-8-8	3/4x16	1/2	3.36	85	7/8	7/8	2.00	51
10GHY-10-8	7/8x14	1/2	3.44	87	1	1	2.09	53
10GHY-12-8	1-1/16x12	1/2	3.66	93	1-1/4	1-1/4	2.31	59
10GHY-12-12	1-1/16x12	3/4	3.89	99	1-1/4	1-1/4	2.31	59
10GHY-16-16	1-5/16x12	1	3.95	100	1-3/8	1-1/2	2.34	59

Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on extensive or continuous swiveling.

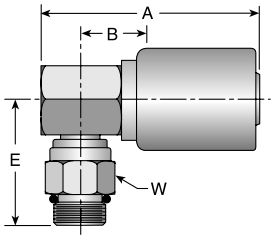


O-Ring not compatible with Phosphate Ester fluids.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

10LHY

Male SAE Straight Thread with O-Ring - Swivel - 90° Elbow

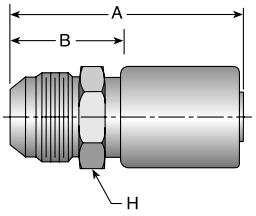


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
10LHY-4-4	7/16x20	1/4	2.31	59	1.63	41	11/16	0.97	25
10LHY-6-4	9/16x18	1/4	2.31	59	1.66	42	7/8	0.97	25
10LHY-6-6	9/16x18	3/8	2.33	59	1.66	42	11/16	0.97	25
10LHY-8-4	3/4x16	1/4	2.31	59	1.75	44	7/8	0.94	24
10LHY-8-6	3/4x16	3/8	2.33	59	1.73	44	7/8	0.97	25
10LHY-8-8	3/4x16	1/2	3.00	76	1.80	46	7/8	1.09	28
10LHY-10-8	7/8x14	1/2	3.00	76	1.88	48	1	1.09	28
10LHY-12-12	1-1/16x12	3/4	2.77	70	2.23	57	1-1/4	1.19	30

Fitting allows minor movement under pressure to relieve stress on hose but is not to be used on extensive or continuous swiveling.

103HY

Male JIC 37° - Rigid



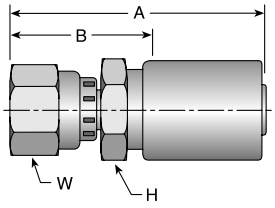
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
103HY-4-4	7/16x20	1/4	2.52	64	5/8	1.19	30
103HY-5-4	1/2x20	1/4	2.52	64	5/8	1.19	30
103HY-6-4	9/16x18	1/4	2.53	64	11/16	1.19	30
103HY-6-5	9/16x18	5/16	2.56	65	11/16	1.22	31
103HY-6-6	9/16x18	3/8	2.54	65	11/16	1.19	30
103HY-6-8	9/16x18	1/2	2.72	69	7/8	1.38	35
103HY-8-6	3/4x16	3/8	2.64	67	13/16	1.28	33
103HY-8-8	3/4x16	1/2	2.81	71	7/8	1.47	37
103HY-10-6	7/8x14	3/8	2.81	71	1	1.47	37
103HY-10-8	7/8x14	1/2	2.91	74	1	1.56	40
103HY-10-10	7/8x14	5/8	2.98	76	1-1/8	1.59	40
103HY-10-12	7/8x14	3/4	3.08	78	1-1/4	1.50	38
103HY-12-8	1-1/16x12	1/2	3.02	77	1-1/8	1.66	42
103HY-12-10	1-1/16x12	5/8	3.09	78	1-1/8	1.72	44
103HY-12-12	1-1/16x12	3/4	3.19	81	1-1/4	1.63	41
103HY-14-12	1-3/16x12	3/4	3.19	81	1-1/4	1.63	41
103HY-16-12	1-5/16x12	3/4	3.23	82	1-3/8	1.66	42
103HY-16-16	1-5/16x12	1	3.39	86	1-3/8	1.78	45
103HY-20-16	1-5/8x12	1	3.44	87	1-3/4	1.81	46
103HY-20-20	1-5/8x12	1-1/4	3.83	97	1-3/4	2.00	51

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

106HY

Female JIC 37˚ - Swivel

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm	Additional Material Stainless Steel (C303)
106HY-3-4	3/8x24	1/4	2.58	66	9/16	1/2	1.22	31	
106HY-4-4	7/16x20	1/4	2.60	66	9/16	9/16	1.25	32	•
106HY-4-6	7/16x20	3/8	2.67	68	3/4	9/16	1.31	33	
106HY-5-4	1/2x20	1/4	2.65	67	9/16	5/8	1.31	33	
106HY-5-5	1/2x20	5/16	2.69	68	5/8	5/8	1.34	34	
106HY-5-6	1/2x20	3/8	2.73	69	3/4	5/8	1.38	35	
106HY-6-4	9/16x18	1/4	2.67	68	5/8	11/16	1.31	33	
106HY-6-5	9/16x18	5/16	2.70	69	5/8	11/16	1.34	34	
106HY-6-6	9/16x18	3/8	2.69	68	11/16	11/16	1.34	34	•
106HY-8-6	3/4x16	3/8	2.72	69	7/8	7/8	1.38	35	
106HY-8-8	3/4x16	1/2	2.90	74	7/8	7/8	1.41	40	•
106HY-8-10	3/4x16	5/8	2.98	76	1-1/8	7/8	1.59	40	
106HY-8-12	3/4x16	3/4	3.08	78	1-1/4	7/8	1.53	39	
106HY-10-6	7/8x14	3/8	2.81	71	7/8	1	1.47	37	
106HY-10-8	7/8x14	1/2	2.98	76	1	1	1.63	41	
106HY-10-10	7/8x14	5/8	3.06	78	1-1/8	1	1.69	43	
106HY-10-12	7/8x14	3/4	3.16	80	1-1/4	1	1.59	40	
106HY-12-6	1-1/16x12	3/8	3.00	76	1-1/8	1-1/4	1.66	42	
106HY-12-8	1-1/16x12	1/2	3.05	77	1-1/8	1-1/4	1.69	43	
106HY-12-10	1-1/16x12	5/8	3.12	79	1-1/8	1-1/4	1.75	44	
106HY-12-12	1-1/16x12	3/4	3.22	82	1-1/4	1-1/4	1.66	42	•
106HY-12-16	1-1/16x12	1	3.38	86	1-3/8	1-1/4	1.75	44	
106HY-14-12	1-3/16x12	3/4	3.23	82	1-1/4	1 3/8	1.66	42	
106HY-16-12	1-5/16x12	3/4	3.30	84	1-3/8	1-1/2	1.72	44	
106HY-16-14	1-5/16x12	7/8	3.30	84	1-3/8	1-1/2	1.72	44	
106HY-16-16	1-5/16x12	1	3.45	88	1-3/8	1-1/2	1.84	47	•
106HY-16-20	1-5/16x12	1-1/4	3.84	98	1-3/4	1-1/2	2.00	51	
106HY-20-16	1-5/8x12	1	3.70	94	1-3/4	2	2.09	53	
106HY-20-20	1-5/8x12	1-1/4	4.09	104	2	2	2.25	57	

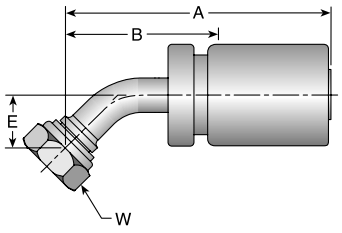


Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2. See CrimpSource for more information.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

137HY

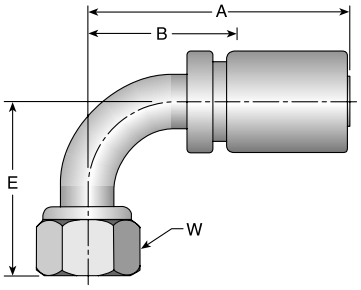
Female JIC 37˚ - Swivel - 45˚ Elbow - Short Drop



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
137HY-4-4	7/16x20	1/4	2.59	66	0.39	10	9/16	1.32	34
137HY-5-4	1/2x20	1/4	3.27	83	0.36	9	5/8	1.91	49
137HY-6-4	9/16x18	1/4	2.70	69	0.43	10	3/4	1.43	36
137HY-6-5	9/16x18	5/16	3.34	85	0.39	11	11/16	2.00	51
137HY-6-6	9/16x18	3/8	2.72	69	0.43	11	11/16	1.44	37
137HY-8-6	3/4x16	3/8	2.88	73	0.58	15	7/8	1.60	41
137HY-8-8	3/4x16	1/2	3.10	79	0.59	15	7/8	1.81	46
137HY-10-8	7/8x14	1/2	3.20	81	0.63	16	1	1.91	49
137HY-10-10	7/8x14	5/8	3.29	84	0.63	16	1	1.93	49
137HY-12-10	1-1/16x12	5/8	3.94	100	0.77	20	1-1/8	2.56	65
137HY-12-12	1-1/16x12	3/4	3.82	97	0.83	21	1-1/4	2.29	58
137HY-16-12	1-5/16x12	3/4	4.35	110	0.89	23	1-1/2	2.78	71
137HY-16-16	1-5/16x12	1	4.31	109	0.89	23	1-1/2	2.69	68

139HY

Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop



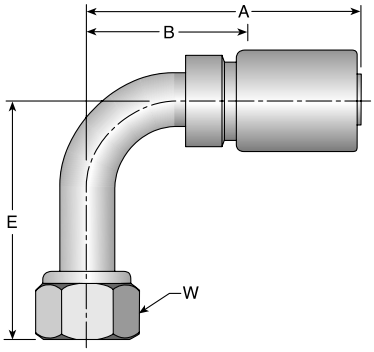
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
139HY-4-4	7/16x20	1/4	2.40	61	0.83	21	9/16	1.13	29
139HY-5-4	1/2x20	1/4	2.50	64	0.83	21	5/8	1.23	31
139HY-6-4	9/16x18	1/4	2.65	67	0.91	23	3/4	1.38	35
139HY-6-5	9/16x18	5/16	3.25	83	0.86	22	11/16	1.91	49
139HY-6-6	9/16x18	3/8	2.57	65	0.91	23	11/16	1.29	33
139HY-6-8	9/16x18	1/2	3.41	87	0.86	22	11/16	2.06	52
139HY-8-6	3/4x16	3/8	2.64	67	1.14	29	7/8	1.37	35
139HY-8-8	3/4x16	1/2	2.85	72	1.14	29	7/8	1.56	40
139HY-10-8	7/8x14	1/2	3.01	76	1.26	32	1	1.72	44
139HY-10-10	7/8x14	5/8	3.09	78	1.26	32	1	1.73	44
139HY-10-12	7/8x14	3/4	3.25	83	1.23	31	1	1.69	43
139HY-12-8	1-1/16x12	1/2	3.61	92	1.83	46	1-1/4	2.25	57
139HY-12-10	1-1/16x12	5/8	3.61	92	1.89	48	1-1/4	2.25	57
139HY-12-12	1-1/16x12	3/4	3.68	93	1.89	48	1-1/4	2.15	55
139HY-16-12	1-5/16x12	3/4	4.33	110	2.14	54	1-1/2	2.78	71
139HY-16-16	1-5/16x12	1	4.31	109	2.31	59	1-1/2	2.69	68

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

141HY

Female JIC 37˚ - Swivel - 90˚ Elbow - Long Drop

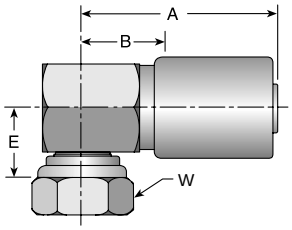
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
141HY-4-4	7/16x20	1/4	2.68	68	1.81	46	9/16	1.41	36
141HY-5-4	1/2x20	1/4	3.16	80	1.77	45	5/8	1.81	46
141HY-6-4	9/16x18	1/4	2.89	73	2.13	54	11/16	1.62	41
141HY-6-6	9/16x18	3/8	2.76	70	2.13	54	11/16	1.49	39
141HY-8-6	3/4x16	3/8	2.85	72	2.52	64	7/8	1.58	40
141HY-8-8	3/4x16	1/2	2.89	73	2.52	64	7/8	1.60	41
141HY-10-8	7/8x14	1/2	3.01	76	2.76	70	1	1.72	44
141HY-12-12	1-1/16x12	3/4	3.59	91	3.73	95	1-1/4	2.03	52
141HY-16-16	1-5/16x12	1	4.56	116	4.33	110	1-1/2	2.94	75



193HY

Female JIC 37˚ - Swivel - 90˚ Elbow - (Block Type)

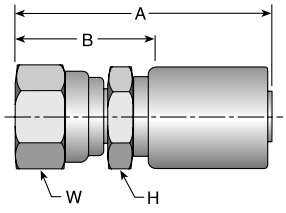
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
193HY-6-6	9/16x18	3/8	2.33	59	0.78	20	11/16	0.97	25
193HY-8-6	3/4x16	3/8	2.33	59	0.82	21	7/8	0.97	25
193HY-8-8	3/4x16	1/2	3.00	76	0.85	22	7/8	1.09	28
193HY-12-12	1-1/16x12	3/4	3.33	85	0.99	25	1-1/4	1.19	30



108HY

Female SAE 45˚ - Swivel

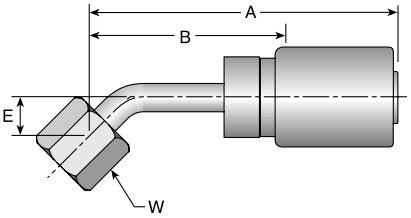
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
108HY-4-4	7/16x20	1/4	2.60	66	9/16	9/16	1.26	32
108HY-5-4	1/2x20	1/4	2.66	68	9/16	5/8	1.31	33
108HY-5-5	1/2x20	5/16	2.68	68	5/8	5/8	1.34	34
108HY-6-4	5/8x18	1/4	2.73	69	11/16	3/4	1.38	35
108HY-6-5	5/8x18	5/16	2.76	70	5/8	3/4	1.41	36
108HY-6-6	5/8x18	3/8	2.75	70	11/16	3/4	1.41	36
108HY-8-6	3/4x16	3/8	2.73	69	13/16	7/8	1.38	35
108HY-8-8	3/4x16	1/2	2.90	74	7/8	7/8	1.56	40
108HY-8-12	3/4x16	3/4	3.17	81	1-1/4	7/8	1.59	40
108HY-10-8	7/8x14	1/2	2.98	76	1	1	1.63	41
108HY-10-10	7/8x14	5/8	3.06	78	1-1/8	1	1.69	43
108HY-12-10	1-1/16x12	5/8	3.33	85	1-1/8	1-1/4	1.94	49
108HY-12-12	1-1/16x12	3/4	3.41	87	1-1/4	1-1/4	1.84	47



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

177HY

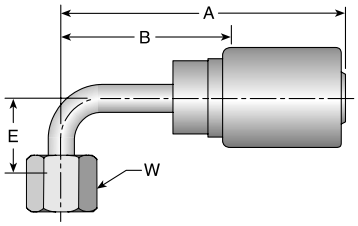
Female SAE 45˚ - Swivel - 45˚ Elbow



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
177HY-6-6	5/8x18	3/8	3.33	85	0.39	10	3/4	1.97	50
177HY-12-12	1-1/16x14	3/4	4.03	102	0.77	20	1-1/4	2.44	62

179HY

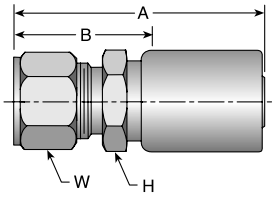
Female SAE 45˚ - Swivel - 90˚ Elbow



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
179HY-6-5	5/8x18	5/16	3.25	83	0.86	22	3/4	1.91	49
179HY-6-6	5/8x18	3/8	3.23	82	0.86	22	3/4	1.88	48
179HY-12-12	1-1/16x14	3/4	3.98	101	1.83	46	1-1/4	2.39	61

111HY

Male Ferulok Flareless - Rigid
(24˚ Cone w/Nut and Ferrule)

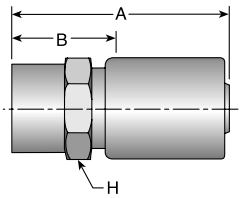


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
111HY-4-4	7/16x20	1/4	2.42	61	9/16	9/16	1.06	27
111HY-4-6	7/16x20	3/8	2.44	62	3/4	9/16	1.09	28
111HY-5-6	1/2x20	3/8	2.44	62	3/4	5/8	1.09	28
111HY-6-4	9/16x18	1/4	2.44	62	5/8	11/16	1.09	28
111HY-6-6	9/16x18	3/8	2.45	62	11/16	11/16	1.09	28
111HY-8-6	3/4x16	3/8	2.61	66	7/8	7/8	1.25	32
111HY-8-8	3/4x16	1/2	2.72	69	7/8	7/8	1.38	35
111HY-10-8	7/8x14	1/2	2.78	71	1	1	1.44	37
111HY-12-12	1-1/16x12	3/4	3.02	77	1-1/4	1-1/4	1.44	37

The Parker Ferrule-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on the job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.

1GJHY

Female Grease Connection - SPL - PTF Taper Thread - Rigid - 1/2x27



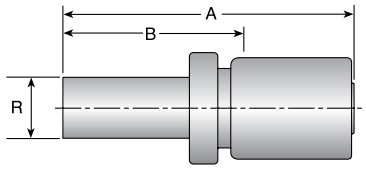
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1GJHY-8-4	1/2x27	1/4	2.41	61	3/4	1.06	27

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

134HY

Male Standpipe - Rigid - (Inch Size Tube O.D.)

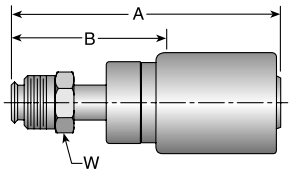
# Part Number	R inch	Hose I.D. inch	A inch	A mm	B inch	B mm
134HY-6-6	3/8	3/8	3.17	81	1.81	46
134HY-8-6	1/2	3/8	3.33	85	1.97	50
134HY-12-12	3/4	3/4	3.89	99	2.31	59



128HY

Male Inverted SAE 45˚ - Swivel

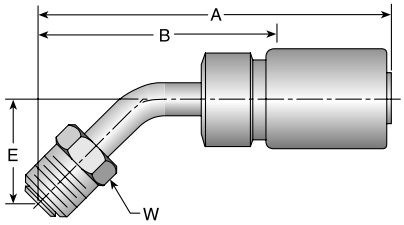
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
128HY-3-4	3/8x24	1/4	3.09	78	3/8	1.75	44
128HY-4-4	7/16x24	1/4	3.28	83	7/16	1.94	49
128HY-5-4	1/2x20	1/4	3.34	85	1/2	2.00	51
128HY-5-6	1/2x20	3/8	3.17	81	1/2	1.81	46
128HY-6-5	5/8x18	5/16	3.75	95	5/8	2.41	61
128HY-6-6	5/8x18	3/8	3.73	95	5/8	2.38	60
128HY-7-6	11/16x18	3/8	3.73	95	11/16	2.38	60
128HY-8-6	3/4x18	3/8	3.42	87	3/4	2.06	52
128HY-8-8	3/4x18	1/2	3.66	93	3/4	2.31	59



167HY

Male Inverted SAE 45˚ - Swivel - 45˚ Elbow

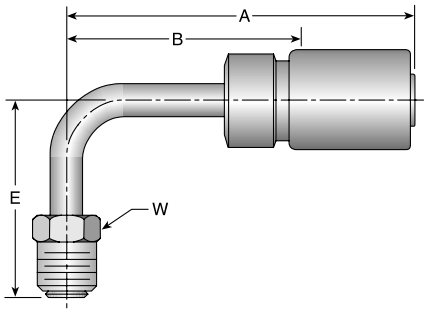
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
167HY-4-4	7/16x24	1/4	3.31	84	0.78	20	7/16	1.97	50
167HY-5-4	1/2x20	1/4	3.55	90	0.88	22	1/2	2.19	56
167HY-5-6	1/2x20	3/8	3.38	86	0.88	22	1/2	2.03	52
167HY-6-6	5/8x18	3/8	4.16	106	0.94	24	5/8	2.81	71
167HY-8-8	3/4x18	1/2	4.22	107	1.06	27	3/4	2.88	73



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

169HY

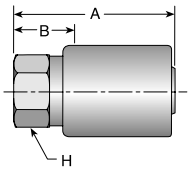
Male Inverted SAE 45° - Swivel - 90° Elbow



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
169HY-3-4	3/8x24	1/4	3.09	78	1.38	35	3/8	1.75	44
169HY-4-4	7/16x24	1/4	3.28	83	1.47	37	7/16	1.94	49
169HY-4-6	7/16x24	3/8	3.11	79	1.47	37	7/16	1.75	44
169HY-5-4	1/2x20	1/4	3.52	89	1.66	42	1/2	2.16	55
169HY-5-6	1/2x20	3/8	3.34	85	1.66	42	1/2	2.00	51
169HY-6-5	5/8x18	5/16	4.05	103	1.69	43	5/8	2.69	68
169HY-6-6	5/8x18	3/8	4.03	102	1.69	43	5/8	2.69	68
169HY-7-6	11/16x18	3/8	4.16	106	1.69	43	11/16	2.81	71
169HY-8-8	3/4x18	1/2	4.09	104	1.88	48	3/4	2.75	70

129HY

Female Inverted SAE 45° - Rigid

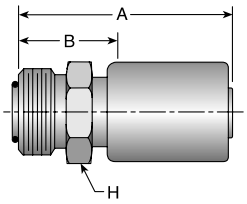


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
129HY-5-4	1/2x20	1/4	2.25	57	5/8	0.91	23
129HY-6-6	5/8x18	3/8	2.25	57	7/8	0.91	23

1J0HY

Male Seal-Lok® - Rigid - (with O-Ring)

ISO 1215-1 - S

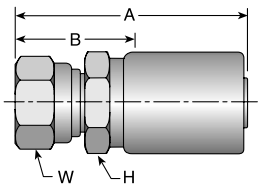


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1J0HY-4-4	9/16x18	1/4	2.36	60	5/8	1.00	25
1J0HY-6-6	11/16x16	3/8	2.49	63	3/4	1.13	29
1J0HY-8-8	13/16x16	1/2	2.69	68	7/8	1.34	34
1J0HY-12-8	1-3/16x12	1/2	2.91	74	1-1/4	1.56	40

1JCHY

Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JCHY-4-4	9/16x18	1/4	2.61	66	9/16	11/16	0.94	24
1JCHY-6-6	11/16x16	3/8	2.69	68	11/16	13/16	0.94	24
1JCHY-8-8	13/16x16	1/2	2.91	74	7/8	15/16	1.13	29
1JCHY-12-12	1-3/16x12	3/4	3.31	84	1-1/4	1-3/8	1.13	29

See Accessories for O-Rings.

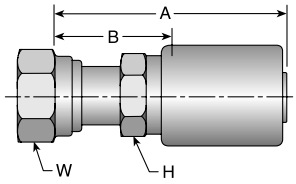
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1JSHY

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1JSHY-4-4	9/16x18	1/4	2.59	66	9/16	11/16	1.25	32
1JSHY-6-4	11/16x16	1/4	2.67	68	5/8	13/16	1.31	33
1JSHY-6-5	11/16x16	5/16	2.70	69	5/8	13/16	1.34	34
1JSHY-6-6	11/16x16	3/8	2.75	70	11/16	13/16	1.34	34
1JSHY-8-6	13/16x16	3/8	2.84	72	7/8	15/16	1.50	38
1JSHY-8-8	13/16x16	1/2	2.95	75	7/8	15/16	1.59	40
1JSHY-10-8	1x14	1/2	3.16	80	15/16	1-1/8	1.81	46
1JSHY-10-10	1x14	5/8	3.17	81	1-1/8	1-1/8	1.78	45
1JSHY-10-12	1x14	3/4	3.27	83	1-1/4	1-1/8	1.69	43
1JSHY-12-10	1-3/16x12	5/8	3.20	81	1-1/8	1-3/8	1.81	46
1JSHY-12-12	1-3/16x12	3/4	3.30	84	1-1/4	1-3/8	1.72	44
1JSHY-16-12	1-7/16x12	3/4	3.44	87	1-3/8	1-5/8	1.88	48
1JSHY-16-16	1-7/16x12	1	3.59	91	1-3/8	1-5/8	1.97	50
1JSHY-20-16	1-11/16x12	1	3.47	88	1-5/8	1-7/8	1.75	59
1JSHY-20-20	1-11/16x12	1-1/4	3.98	101	1-3/4	1-7/8	2.16	55

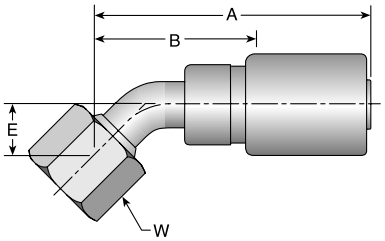


1J7HY

Female Seal-Lok® - Swivel - 45° Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J7HY-4-4	9/16x18	1/4	2.59	66	0.39	10	11/16	1.32	34
1J7HY-6-4	11/16x16	1/4	2.70	69	0.43	11	13/16	1.43	36
1J7HY-6-6	11/16x16	3/8	2.72	69	0.43	11	13/16	1.44	37
1J7HY-6-8	11/16x16	1/2	3.41	87	0.44	11	13/16	2.06	52
1J7HY-8-4	13/16x16	1/4	2.95	75	0.59	15	15/16	1.68	43
1J7HY-8-6	13/16x16	3/8	2.89	73	0.59	15	15/16	1.62	41
1J7HY-8-8	13/16x16	1/2	3.10	79	0.59	15	15/16	1.81	46
1J7HY-10-8	1x14	1/2	3.20	81	0.63	16	1-1/8	1.91	49
1J7HY-10-10	1x14	5/8	3.29	84	0.63	16	1-1/8	1.93	49
1J7HY-10-12	1x14	3/4	3.69	94	0.69	18	1-1/8	2.13	54
1J7HY-12-10	1-3/16x12	5/8	3.74	104	0.83	21	1-3/8	2.38	60
1J7HY-12-12	1-3/16x12	3/4	3.82	97	0.83	21	1-3/8	2.29	58
1J7HY-16-12	1-7/16x12	3/4	4.39	112	0.97	25	1-5/8	2.84	72
1J7HY-16-16	1-7/16x12	1	4.55	116	0.97	25	1-5/8	2.94	75



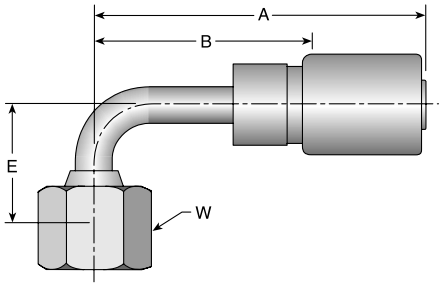
See Accessories for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1J9HY

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO 12151-1 - SWES90

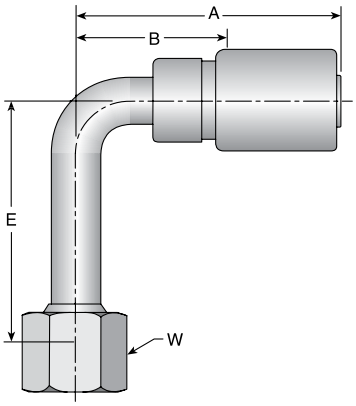


# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J9HY-4-4	9/16x18	1/4	2.40	61	0.83	21	11/16	1.13	29
1J9HY-4-6	9/16x18	3/8	3.08	78	0.83	21	11/16	1.72	44
1J9HY-6-4	11/16x16	1/4	2.65	67	0.91	23	13/16	1.38	35
1J9HY-6-5	11/16x16	5/16	3/14	80		23	13/16	1.72	44
1J9HY-6-6	11/16x16	3/8	2.57	65	0.91	23	13/16	1.29	33
1J9HY-6-8	11/16x16	1/2	2.77	70	0.91	23	13/16	1.48	38
1J9HY-8-6	13/16x16	3/8	2.64	67	1.14	29	15/16	1.37	35
1J9HY-8-8	13/16x16	1/2	2.85	72	1.14	29	15/16	1.56	40
1J9HY-10-8	1x14	1/2	3.01	76	1.26	32	1-1/8	1.72	44
1J9HY-10-10	1x14	5/8	3.09	78	1.26	32	1-1/8	1.73	44
1J9HY-10-12	1x14	3/4	3.52	89	1.33	34	1-1/8	1.97	50
1J9HY-12-8	1-3/16x12	1/2	3.84	98	1.89	48	1-3/8	2.39	61
1J9HY-12-10	1-3/16x12	5/8	3.61	92	1.89	48	1-3/8	2.25	57
1J9HY-12-12	1-3/16x12	3/4	3.68	93	1.89	48	1-3/8	2.15	55
1J9HY-16-12	1-7/16x12	3/4	4.27	108	2.25	57	1-5/8	2.69	68
1J9HY-16-16	1-7/16x12	1	4.45	113	2.25	57	1-5/8	2.84	72
1J9HY-20-16	1-11/16x12	1	4.77	121	2.51	64	1-7/8	3.16	80

1J1HY

Female Seal-Lok® - Swivel - 90˚ Elbow - Long Drop

ISO 12151-1 - SWEL90



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
1J1HY-4-4	9/16x18	1/4	2.68	68	1.81	46	11/16	1.41	36
1J1HY-6-4	11/16x16	1/4	2.89	73	2.13	54	13/16	1.62	41
1J1HY-6-6	11/16x16	3/8	2.76	70	2.13	54	13/16	1.49	38
1J1HY-8-6	13/16x16	3/8	2.85	72	2.52	64	15/16	1.58	40
1J1HY-8-8	13/16x16	1/2	2.94	75	2.52	64	15/16	1.65	42
1J1HY-10-8	1x14	1/2	3.01	76	2.76	70	1-1/8	1.72	44
1J1HY-10-10	1x14	5/8	3.42	87	3.83	70	1-1/8	2.03	52
1J1HY-12-12	1-3/16x12	3/4	3.68	93	3.78	96	1-3/8	2.15	55
1J1HY-16-16	1-7/16x12	1	4.45	113	4.50	114	1-5/8	2.84	72

See Accessories for O-Rings.

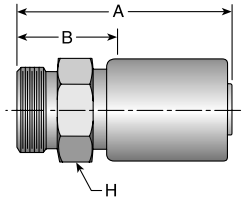
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1D0HY

Male Metric L - Rigid - (24˚ Cone)

ISO 8434-1

# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
1D0HY-6-4	6	M12x1.5	1/4	2.36	60	14	1.00	25
1D0HY-8-4	8	M14x1.5	1/4	2.36	60	17	1.00	25
1D0HY-10-4	10	M16x1.5	1/4	2.40	61	19	1.03	26
1D0HY-10-6	10	M16x1.5	3/8	2.42	61	19	1.06	27
1D0HY-12-6	12	M18x1.5	3/8	2.42	61	22	1.06	27
1D0HY-15-6	15	M22x1.5	3/8	2.52	64	24	1.16	29
1D0HY-15-8	15	M22x1.5	1/2	2.63	67	24	1.28	33
1D0HY-18-10	18	M26x1.5	5/8	2.71	69	27	1.31	33

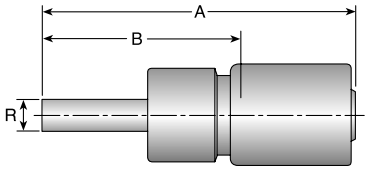


13DHY

Male Standpipe Metric S - Rigid

ISO 8434-1

# Part Number	R mm	Hose I.D. inch	A inch	A mm	B inch	B mm
13DHY-16-8	16	1/2	3.53	90	2.16	55
13DHY-30-16	30	1	4.15	105	2.53	64



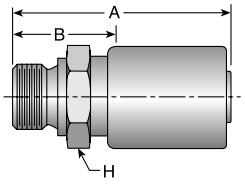
1D9HY

Male BSP Parallel Pipe - Rigid - (60˚ Cone)

ISO 228-1

# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1D9HY-4-4	1/4x19	1/4	2.40	61	13/16	1.03	26
1D9HY-6-6	3/8x19	3/8	2.55	65	7/8	1.19	30
1D9HY-8-6	1/2x14	3/8	2.65	67	1-1/16	1.28	33
1D9HY-8-8	1/2x14	1/2	2.83	72	1-1/16	1.47	37

When used in a port, a bonded seal must be used. See Accessories Section for more information.



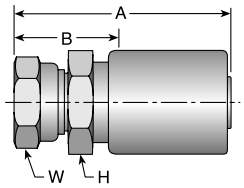
Metric L: Mates with EO "L" Series Fittings.
Mertic S: Mates with EO "S" Series Fittings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1GUHY

Female BSP Parallel Pipe - Swivel - (60˚ Cone)

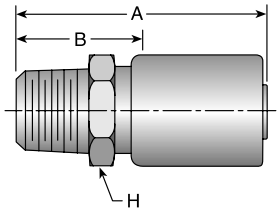
ISO 228-1



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
1GUHY-4-4	1/4x19	1/4	2.62	67	9/16	11/16	1.28	33
1GUHY-6-4	3/8x19	1/4	2.69	68	3/4	7/8	1.34	34
1GUHY-6-6	3/8x19	3/8	2.70	69	3/4	7/8	1.34	34
1GUHY-8-6	1/2x14	3/8	2.84	72	7/8	1	1.50	38
1GUHY-8-8	1/2x14	1/2	3.02	77	7/8	1	1.66	42
1GUHY-12-12	3/4x14	3/4	3.25	83	1-1/4	1-1/4	1.69	43
1GUHY-16-16	1x11	1	3.45	88	1-3/8	1-1/2	1.84	47

1UTHY

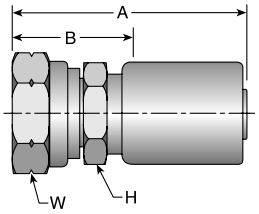
Male BSP Taper Pipe - Rigid - (60˚ Cone)



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
1UTHY-2-4	1/8x28	1/4	2.34	59	9/16	1.00	25
1UTHY-4-4	1/4x19	1/4	2.53	64	9/16	1.19	30

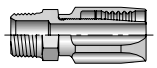
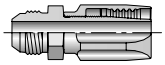
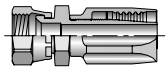
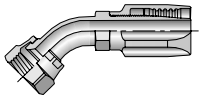
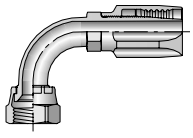
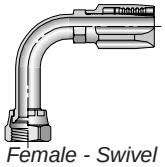
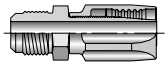
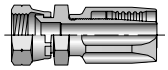
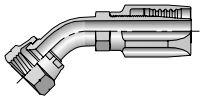
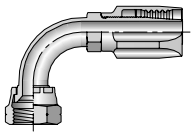
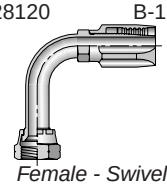
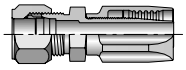
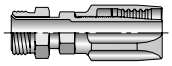
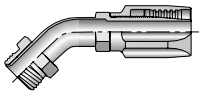
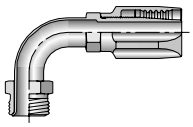
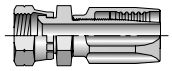
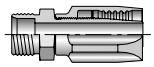
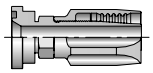
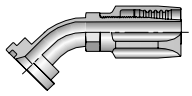
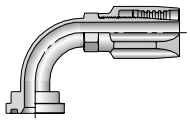
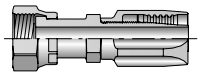
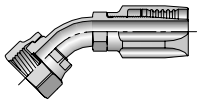
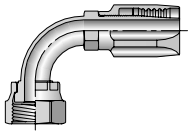
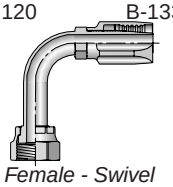
1XUHY

Female Metric Swivel - (30˚ Flare)



# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	W mm	B inch	B mm
1XUHY-24-8	24	M24x1.5	1/2	3.14	80	22	30	1.72	44
1XUHY-24-10	24	M24x1.5	5/8	3.22	82	30	30	1.84	47
1XUHY-30-12	30	M30x1.5	3/4	3.31	84	32	38	1.75	44
1XUHY-33-16	33	M33x1.5	1	3.62	92	36	41	2.00	51

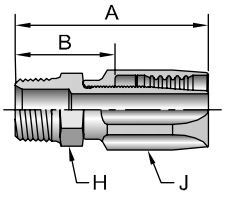
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	20120 B-126  *Male - Rigid*	**JIC 37˚**	20320 B-126  *Male - Rigid*	20620 B-127  *Female - Swivel*	23720 B-127  *Female - Swivel 45˚ Elbow - Short*
23920 B-128  *Female - Swivel 90˚ Elbow - Short*	24120 B-128  *Female - Swivel 90˚ Elbow - Long*	**SAE 45˚**	20420 B-128  *Male - Rigid*	20820 B-129  *Female - Swivel*	27720 B-129  *Female - Swivel 45˚ Elbow*
27920 B-129  *Female - Swivel 90˚ Elbow*	28120 B-130  *Female - Swivel 90˚ Elbow - Long*	**Flareless**	21120 B-130  *Male - Rigid*	**Inverted Flare**	22820 B-130  *Male - Swivel*
26720 B-130  *Male - Swivel 45˚ Elbow*	26920 B-131  *Male - Swivel 90˚ Elbow*	**PTT 30˚**	23220 B-131  *Female - Swivel*	**Compression**	26120 B-131  *Male (without Nut or Sleeve)*
Code 61 Flange	21520 B-131  *Flange*	21720 B-132  *45˚ Elbow*	21920 B-132  *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**	2JS20 B-132  *Female - Swivel Long*
2J720 B-132  *Female - Swivel 45˚ Elbow*	2J920 B-133  *Female - Swivel 90˚ Elbow - Short*	2J120 B-133  *Female - Swivel 90˚ Elbow - Long*	**Assembly Instructions**	20 Series Assembly Instructions B-134	

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

20120

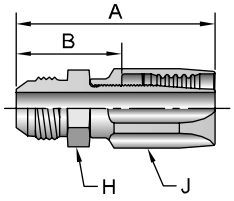
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm	Additional Material Brass (B)
20120-2-4	1/8x27	3/16	1.72	44	7/16	5/8	0.94	24	
20120-2-5	1/8x27	1/4	1.82	46	1/2	11/16	0.99	25	
20120-4-4	1/4x18	3/16	1.93	49	9/16	5/8	1.15	29	
20120-4-5	1/4x18	1/4	2.01	51	9/16	11/16	1.18	30	
20120-4-6	1/4x18	5/16	2.11	54	9/16	13/16	1.19	30	
20120-6-6	3/8x18	5/16	2.20	56	3/4	13/16	1.28	33	
20120-6-8	3/8x18	13/32	2.48	63	3/4	15/16	1.39	35	
20120-8-8	1/2x14	13/32	2.73	69	7/8	15/16	1.64	42	
20120-8-10	1/2x14	1/2	2.88	73	7/8	1-1/8	1.66	42	
20120-12-10	3/4x14	1/2	2.95	75	1-1/16	1-1/8	1.73	44	
20120-12-12	3/4x14	5/8	3.25	83	1-1/16	1-1/4	1.75	44	
20120-12-16	3/4x14	7/8	2.81	71	1-3/8	1-7/16	1.62	41	
20120-16-16	1x11-1/2	7/8	2.99	76	1-3/8	1-7/16	1.80	46	•
20120-20-20	1-1/4x11-1/2	1-1/8	3.24	82	1-3/4	1-3/4	1.96	50	•
20120-24-24	1-1/2x11-1/2	1-3/8	3.50	89	2	2	2.13	54	•
20120-32-32	2 x11-1/2	1-13/16	4.05	103	2-1/2	2-1/2	2.31	59	•

20320

Male JIC 37˚ - Rigid

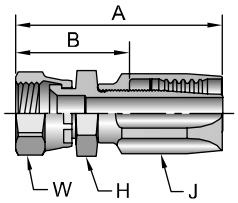


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20320-4-4	1/4	7/16x20	3/16	1.83	46	1/2	5/8	1.05	27
20320-5-5	5/16	1/2x20	1/4	1.94	49	9/16	11/16	1.11	28
20320-6-6	3/8	9/16x18	5/16	2.11	54	5/8	13/16	1.19	30
20320-8-8	1/2	3/4x16	13/32	2.57	65	13/16	15/16	1.48	38
20320-10-10	5/8	7/8x14	1/2	2.88	73	15/16	1-1/8	1.66	42
20320-12-12	3/4	1-1/16x12	5/8	3.35	85	1-1/8	1-1/4	1.85	47
20320-16-16	1	1-5/16x12	7/8	2.95	75	1-3/8	1-7/16	1.76	45

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

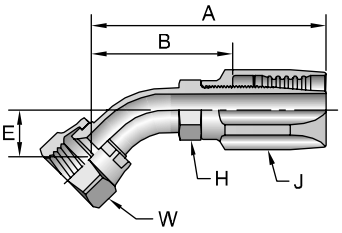
20620
Female JIC 37° - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
20620-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29	•
20620-4-5	1/4	7/16x20	1/4	2.04	52	9/16	11/16	9/16	1.21	31	
20620-5-5	5/16	1/2x20	1/4	2.12	54	5/8	11/16	5/8	1.29	33	
20620-6-5	3/8	9/16x18	1/4	2.19	56	11/16	11/16	11/16	1.36	35	
20620-6-6	3/8	9/16x18	5/16	2.32	59	11/16	13/16	11/16	1.40	36	•
20620-8-6	1/2	3/4x16	5/16	2.44	62	7/8	13/16	7/8	1.52	39	
20620-8-8	1/2	3/4x16	13/32	2.79	71	7/8	15/16	7/8	1.70	43	•
20620-8-10	1/2	3/4x16	1/2	2.99	76	7/8	1-1/8	7/8	1.77	45	
20620-10-8	5/8	7/8x14	13/32	2.94	75	7/8	15/16	1	1.85	47	
20620-10-10	5/8	7/8x14	1/2	3.10	79	1	1-1/8	1	1.88	48	•
20620-10-12	5/8	7/8x14	5/8	3.40	86	1	1-1/4	1	1.90	48	
20620-12-12	3/4	1-1/16x12	5/8	3.49	89	1-1/4	1-1/4	1-1/4	1.99	51	•
20620-16-16	1	1-5/16x12	7/8	3.20	81	1-1/2	1-7/16	1-1/2	2.01	51	•
20620-20-20	1-1/4	1-5/8x12	1-1/8	3.56	90	2	1-3/4	2	2.28	58	
20620-24-24	1-1/2	1-7/8x12	1-3/8	3.95	100	2-1/4	2	2-1/4	2.58	66	
20620-32-32	2	2-1/2x12	1-13/16	4.71	120	2-7/8	2-1/2	2-7/8	2.97	75	



23720
Female JIC 37° - Swivel - 45° Elbow - Short Drop

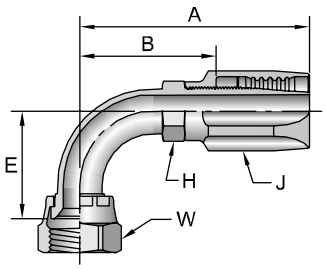
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23720-4-4	1/4	7/16x20	3/16	2.08	53	0.33	8	3/8	5/8	9/16	1.30	33
23720-5-5	5/16	1/2x20	1/4	2.30	58	0.36	9	7/16	11/16	5/8	1.47	37
23720-6-6	3/8	9/16x18	5/16	2.45	62	0.39	10	1/2	13/16	11/16	1.53	39
23720-8-6	1/2	3/4x16	5/16	2.77	70	0.55	14	5/8	13/16	7/8	1.85	47
23720-10-10	5/8	7/8x14	1/2	3.36	85	0.65	17	3/4	1-1/8	1	2.14	54
23720-12-12	3/4	1-1/16x12	5/8	3.94	100	0.79	20	7/8	1-1/4	1-1/4	2.44	62
23720-16-16	1	1-5/16x12	7/8	3.73	95	0.90	23	1-1/8	1-7/16	1-1/2	2.54	65
23720-20-20	1-1/4	1-5/8x12	1-1/8	4.17	106	1.19	30	1-1/2	1-3/4	2	2.89	73



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

23920

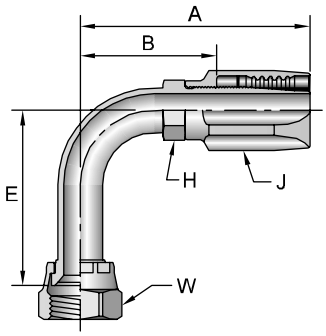
Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23920-4-4	1/4	7/16x20	3/16	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
23920-5-5	5/16	1/2x20	1/4	2.30	58	0.77	20	7/16	11/16	5/8	1.47	37
23920-6-6	3/8	9/16x18	5/16	2.35	60	0.90	23	1/2	13/16	11/16	1.43	36
23920-8-8	1/2	3/4x16	13/32	2.88	73	1.09	28	5/8	15/16	7/8	1.79	45
23920-10-10	5/8	7/8x14	1/2	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50
23920-12-12	3/4	1-1/16x12	5/8	3.86	98	1.82	46	7/8	1-1/4	1-1/4	2.36	60
23920-16-16	1	1-5/16x12	7/8	3.69	94	2.14	54	1-1/8	1-7/16	1-1/2	2.50	64
23920-20-20	1-1/4	1-5/8x12	1-1/8	4.01	102	2.59	66	1-1/2	1-3/4	2	2.73	69
23920-24-24	1-1/2	1-7/8x12	1-3/8	4.43	113	2.82	72	1-3/4	2	2-1/4	3.06	78

24120

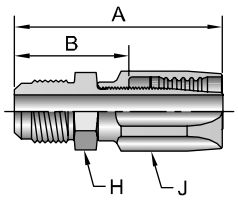
Female JIC 37˚ - Swivel - 90˚ Elbow - Long Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
24120-4-4	1/4	7/16x20	3/16	2.08	53	1.80	46	3/8	5/8	9/16	1.30	33
24120-6-6	3/8	9/16x18	5/16	2.34	59	2.18	55	1/2	13/16	11/16	1.42	36
24120-8-8	1/2	3/4x16	13/32	2.95	75	2.43	62	5/8	15/16	7/8	1.86	47
24120-10-10	5/8	7/8x14	1/2	3.26	83	2.58	66	3/4	1-1/8	1	2.04	52
24120-12-12	3/4	1-1/16x12	5/8	3.78	96	3.74	95	7/8	1-1/4	1-1/4	2.28	58

20420

Male SAE 45˚ - Rigid

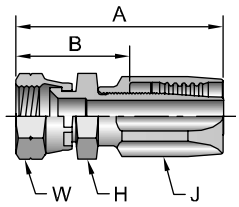


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20420-4-4	1/4	7/16x20	3/16	1.80	46	1/2	5/8	1.02	26
20420-5-5	5/16	1/2x20	1/4	1.94	49	9/16	11/16	1.11	28
20420-6-6	3/8	5/8x18	5/16	2.17	55	11/16	13/16	1.25	32
20420-8-8	1/2	3/4x16	13/32	2.67	68	13/16	15/16	1.58	40
20420-10-10	5/8	7/8x14	1/2	3.00	76	15/16	1-1/8	1.78	45
20420-12-12	3/4	1-1/16x14	5/8	3.50	89	1-1/8	1-1/4	2.00	51

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

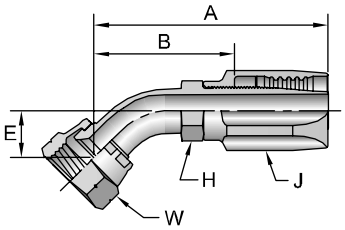
20820
Female SAE 45° - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
20820-4-4	1/4	7/16x20	3/16	1.94	49	9/16	5/8	9/16	1.16	29
20820-4-5	1/4	7/16x20	1/4	2.04	52	9/16	11-16	9/16	1.21	31
20820-5-5	5/16	1/2x20	1/4	2.12	54	5/8	11-16	5/8	1.29	33
20820-6-6	3/8	5/8x18	5/16	2.36	60	3/4	13/16	3/4	1.44	37
20820-8-8	1/2	3/4x16	3/8	2.79	71	7/8	15/16	7/8	1.70	43
20820-8-10	1/2	3/4x16	1/2	2.99	76	7/8	1-1/8	7/8	1.77	45
20820-10-10	5/8	7/8x14	1/2	3.10	79	1	1-1/8	1	1.88	48
20820-12-12	3/4	1-1/16x14	5/8	3.49	89	1-1/4	1-1/4	1-1/4	1.99	51



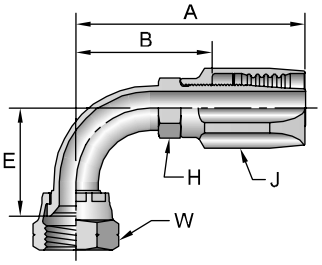
27720
Female SAE 45° - Swivel - 45° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
27720-6-6	3/8	5/8X18	5/16	2.45	62	0.39	10	1/2	13/16	3/4	1.53	39
27720-8-6	1/2	3/4x16	5/16	2.77	71	0.55	14	5/8	13/16	7/8	1.86	47
27720-8-8	1/2	3/4x16	13/32	3.09	78	0.55	14	5/8	15/16	7/8	2.00	51
27720-10-10	5/8	7/8x14	1/2	3.35	85	0.65	17	3/4	1-1/8	1	2.13	54



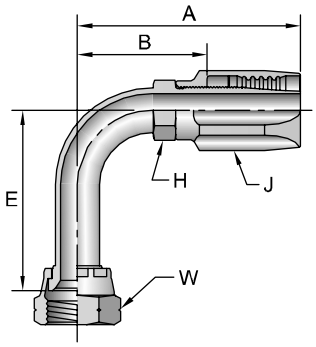
27920
Female SAE 45° - Swivel - 90° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
27920-4-4	1/4	7/16x20	3/16	1.91	49	0.83	21	3/8	5/8	9/16	1.13	29
27920-5-5	5/16	1/2x20	1/4	2.30	58	0.77	20	7/16	11/16	5/8	1.47	37
27920-6-6	3/8	5/8x18	5/16	2.33	59	0.85	22	1/2	13/16	3/4	1.41	36
27920-8-8	1/2	3/4x16	13/32	2.86	73	1.09	28	5/8	15/16	7/8	1.77	45
27920-10-10	5/8	7/8x14	1/2	3.20	81	1.24	31	3/4	1-1/8	1	1.98	50
27920-12-12	3/4	1-1/16x14	5/8	3.87	98	1.82	46	7/8	1-1/4	1-1/4	2.37	60



Notch in nut signifies 45° flare.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

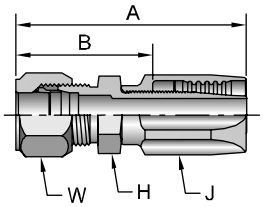


28120

Female SAE 45˚ - Swivel - 90˚ Elbow - Long Drop

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
28120-6-6	3/8	5/8x18	5/16	2.34	59	2.18	55	1/2	13/16	3/4	1.42	36
28120-8-8	1/2	3/4x16	13/32	2.95	75	2.43	62	5/8	15/16	7/8	1.86	47

Notch in nut signifies 45˚ flare.

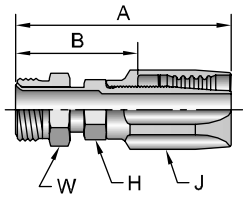


21120

Male Ferulok Flareless - Rigid (24˚ Cone with Nut and Ferrule)

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
21120-6-6	3/8	9/16x18	5/16	2.05	52	5/8	13/16	11/16	1.13	29
21120-8-8	1/2	3/4x16	13/32	2.52	64	13/16	15/16	7/8	1.43	36

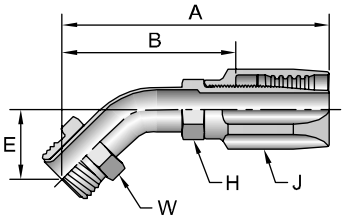
The Parker Ferrule-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on the job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.



22820

Male Inverted SAE 45˚ - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
22820-4-4	1/4	7/16x24	3/16	2.45	62	3/8	5/8	7/16	1.67	42
22820-5-5	5/16	1/2x20	1/4	2.70	69	7/16	11/16	1/2	1.87	47
22820-6-6	3/8	5/8x18	5/16	2.95	75	1/2	13/16	5/8	2.03	52
22820-8-8	1/2	3/4x18	13/32	3.36	85	5/8	15/16	3/4	2.27	58
22820-10-10	5/8	7/8x18	1/2	3.64	92	3/4	1-1/8	7/8	2.42	61



26720

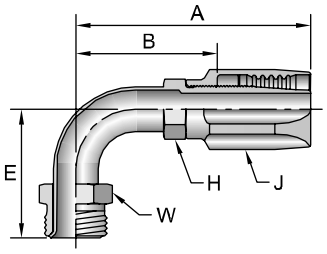
Male Inverted SAE 45˚ - Swivel - 45˚ Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
26720-4-4	1/4	7/16x24	3/16	2.21	56	0.62	16	3/8	5/8	7/16	1.43	36
26720-5-5	5/16	1/2x20	1/4	2.44	62	0.70	18	7/16	11/16	1/2	1.61	41
26720-6-6	3/8	5/8x18	5/16	3.00	76	0.94	24	1/2	13/16	5/8	2.08	53
26720-8-8	1/2	3/4x18	13/32	3.51	89	1.09	28	5/8	15/16	3/4	2.42	61

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

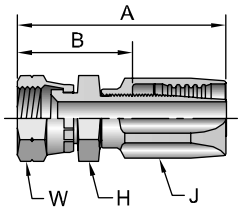
26920
Male Inverted SAE 45˚ - Swivel - 90˚ Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
26920-4-4	1/4	7/16x24	3/16	2.29	58	1.56	40	3/8	5/8	7/16	1.51	38
26920-5-5	5/16	1/2x20	1/4	2.55	65	1.65	42	7/16	11/16	1/2	1.72	44
26920-5-6	5/16	1/2x20	5/16	2.63	67	1.65	42	1/2	13/16	1/2	1.71	43
26920-6-6	3/8	5/8x18	5/16	2.67	68	1.69	43	1/2	13/16	5/8	1.75	44
26920-8-8	1/2	3/4x18	13/32	3.09	78	1.88	48	5/8	15/16	3/4	2.00	51



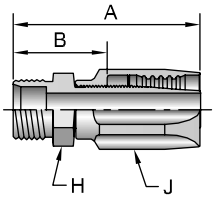
23220
Female PTT 30˚ - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
23220-16-16	1	1-5/16x14	7/8	2.98	76	1-1/2	1-7/16	1-1/2	1.79	45



26120
Male SAE Compression Seat
(without Nut or Sleeve)

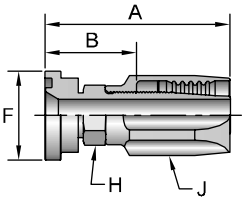
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
26120-10-10	5/8	13/16x18	1/2	2.64	67	7/8	1-1/8	1.42	36



21520
SAE Code 61 Flange Head
ISO 12151-3-S-L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	H inch	J inch	B inch	B mm
21520-20-20	1-1/4	1-1/8	3.58	91	2	1-1/2	1-3/4	2.30	58
21520-40-40	2-1/2	2-3/8	5.22	133	3-5/16	2-3/4	3-1/8	3.41	87

See Accesories Section for O-Rings and Flange Kits.

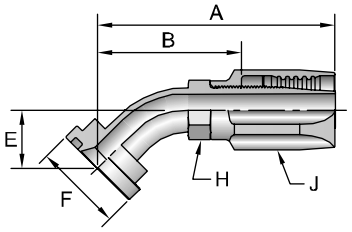


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

21720

SAE Code 61 Flange Head - 45˚ Elbow

ISO 12151-3- E45S - L (1 Piece: ISO 12151-3- E45M - L)

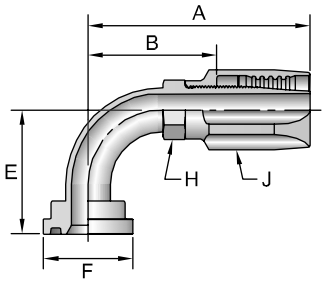


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	H inch	J inch	B inch	B mm
21720-20-20	1-1/4	1-1/8	4.10	104	1.12	28	2	1-1/2	1-3/4	2.82	72
21720-40-40	2-1/2	2-3/8	5.83	148	1.41	36	3-3/8	2-3/4	3-1/8	4.02	102

21920

SAE Code 61 Flange Head - 90˚ Elbow

ISO 12151-3- E90S - L (1 Piece: ISO 12151-3- E90M - L)

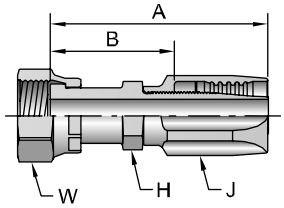


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	H inch	J inch	B inch	B mm
21920-8-8	1/2	13/32	2.95	75	1.62	41	1-3/16	5/8	15/16	1.86	47
21920-32-32	2	1-13/16	5.44	138	3.19	81	2-13/16	2-1/4	2-1/2	3.70	94
21920-40-40	2-1/2	2-3/8	6.18	157	3.75	95	3-5/16	2-3/4	3-1/8	4.37	111

2JS20

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

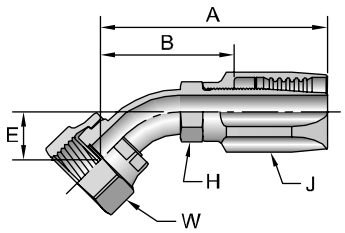


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
2JS20-4-4	1/4	9/16x18	3/16	2.07	53	9/16	5/8	11/16	1.29	33
2JS20-6-6	3/8	11/16x16	5/16	2.36	60	1/2	13/16	13/16	1.44	37
2JS20-8-8	1/2	13/16x16	13/32	2.92	74	5/8	15/16	15/16	1.83	46
2JS20-10-10	5/8	1x14	1/2	3.15	80	3/4	1-1/8	1-1/8	1.93	49
2JS20-12-12	3/4	1-3/16x12	5/8	3.66	93	1-1/8	1-1/4	1-3/8	2.16	55

2J720

Female Seal-Lok® - Swivel - 45˚ Elbow

ISO 12151-1 - SWE45



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
2J720-4-4	1/4	9/16x18	3/16	2.24	57	0.41	10	7/16	5/8	11/16	1.46	37
2J720-6-6	3/8	11/16x16	5/16	2.52	64	0.43	11	1/2	13/16	13/16	1.60	41
2J720-8-8	1/2	13/16x16	13/32	3.19	81	0.59	15	5/8	15/16	15/16	2.10	53
2J720-10-10	5/8	1x14	1/2	3.46	88	0.65	17	3/4	1-1/8	1-1/8	2.24	57

See Accessories Section for O-Rings and Flange Kits.

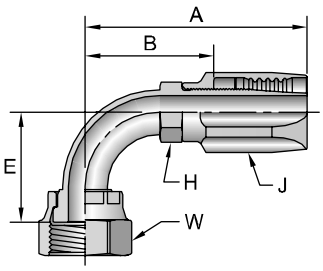
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

2J920

Female Seal-Lok® - Swivel 90˚ Elbow - Short Drop

ISO 12151-1 - SWE90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
2J920-4-4	1/4	9/16x18	3/16	2.22	56	0.82	21	7/16	5/8	11/16	1.44	37
2J920-6-6	3/8	11/16x16	5/16	2.39	61	0.90	23	1/2	13/16	13/16	1.47	37
2J920-8-8	1/2	13/16x16	13/32	2.91	74	1.15	29	5/8	15/16	15/16	1.82	46
2J920-10-10	5/8	1x14	1/2	3.16	80	1.27	32	3/4	1-1/8	1-1/8	1.94	49
2J920-12-12	3/4	1-3/16x12	5/8	3.74	95	1.85	47	7/8	1-1/4	1-3/8	2.24	57

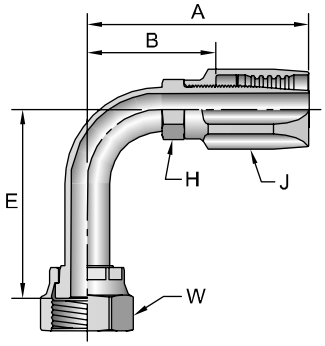


2J120

Female Seal-Lok® - Swivel - 90˚ Elbow - Long Drop

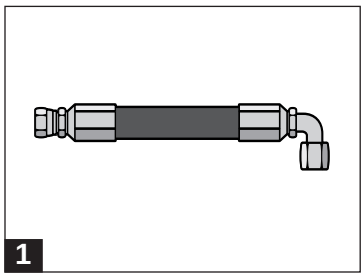
ISO 12151-1 - SWEL90

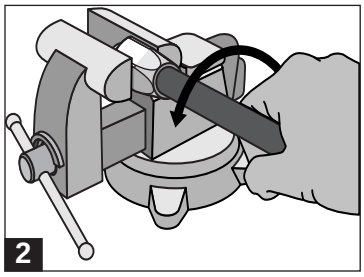
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
2J120-4-4	1/4	9/16x18	3/16	2.01	51	1.80	46	7/16	5/8	11/16	1.23	31
2J120-6-6	3/8	11/16x16	5/16	2.48	63	2.13	54	1/2	13/16	13/16	1.56	40
2J120-8-8	1/2	13/16x16	13/32	2.96	75	2.51	64	5/8	15/16	15/16	1.87	47

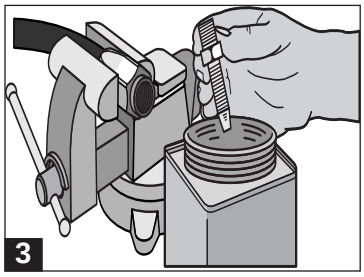


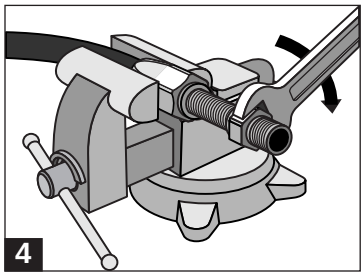
See Accessories Section for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com









20 Series Hose Assembly Instructions

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or cutoff machine. Care should be taken to ensure a square, clean cut is obtained.

2. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.

3. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.

4. Screw nipple assembly into socket using a wrench on the nipple hex until the nipple hex shoulders against the socket. A 1/32” to 1/16” gap between the nipple hex and socket is allowed for displacement angle adjustment when two elbow fittings are used.

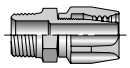
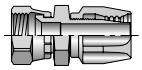
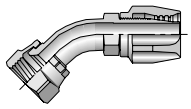
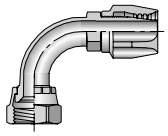
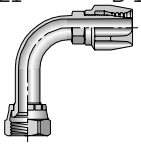
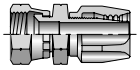
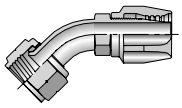
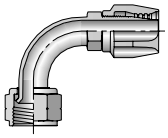
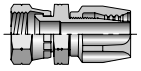
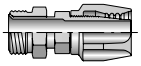
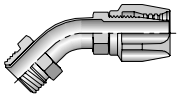
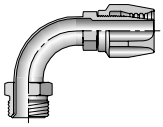
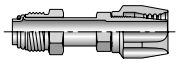
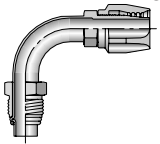
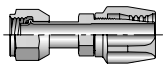
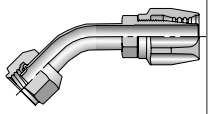
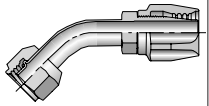
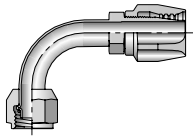
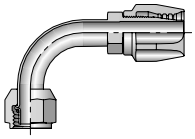
Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

Special Instructions for stainless steel fittings. When assembling fittings made with 316 stainless steel, lubricate the threads of both the socket and nipple with Accrolube High Efficiency Lubricant (see Section C) or equivalent metal assembly lubricant.

Note: DISASSEMBLE IN REVERSE ORDER

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION - TECHNICAL SERVICES DEPARTMENT
PHONE: 440/943-5700
FAX: 440/943-3129
http://www.parkerhose.com

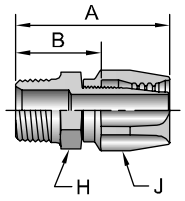
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	20121 B-136  *Male - Rigid*	**JIC 37˚**	20621 B-136  *Female - Swivel*	23721 B-136  *Female - Swivel 45˚ Elbow - Short*	23921 B-137  *Female - Swivel 90˚ Elbow - Short*
24121 B-137  *Female - Swivel 90˚ Elbow - Long*	**SAE 45˚**	20821 B-137  *Female - Swivel*	27721 B-137  *Female - Swivel 45˚ Elbow*	27921 B-138  *Female - Swivel 90˚ Elbow*	**PTT 30˚**
23221 B-138  *Female - Swivel*	**Inverted Flare**	22821 B-138  *Male - Swivel*	26721 B-138  *Male - Swivel 45˚ Elbow*	26921 B-139  *Male - Swivel 90˚ Elbow*	**Tube-O**
2S521 B-139  *Male - Swivel Short*	25M21 B-139  *Male - Swivel 90˚ Elbow - Long*	25S21 B-139  *Female - Swivel Short*	25H21 B-140  *Female - Swivel 45˚ Elbow - Short*	25N21 B-140  *Female - Swivel 45˚ Elbow - Long*	25T21 B-140  *Female - Swivel 90˚ Elbow - Short*
25L21 B-140  *Female - Swivel 90˚ Elbow - Long*	**Assembly Instructions**	21 Series Assembly Instructions B-141			

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

20121

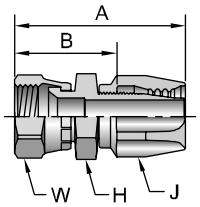
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20121-2-4	1/8x27	3/16	1.55	39	7/16	9/16	0.88	22
20121-4-4	1/4x18	3/16	1.77	45	9/16	9/16	1.10	28
20121-4-5	1/4x18	1/4	1.79	45	9/16	5/8	1.05	27
20121-4-6	1/4x18	5/16	1.92	49	9/16	3/4	1.14	29
20121-6-6	3/8x18	5/16	1.95	50	11/16	3/4	1.17	30
20121-6-8	3/8x18	13/32	2.10	53	11/16	7/8	1.18	30
20121-8-8	1/2x14	13/32	2.34	59	7/8	7/8	1.42	36
20121-8-10	1/2x14	1/2	2.44	62	7/8	1-1/16	1.44	37
20121-12-12	3/4x14	5/8	2.58	66	1-1/8	1-1/4	1.50	38
20121-12-16	3/4x14	7/8	2.50	64	1-1/4	1-7/16	1.51	38
20121-16-16	1x11-1/2	7/8	2.69	68	1-3/8	1-7/16	1.70	43
20121-20-20	1-1/4x11-1/2	1-1/8	2.91	74	1-11/16	1-3/4	1.87	47
20121-24-24	1-1/2x11-1/2	1-3/8	3.02	77	2	2	1.92	49

20621

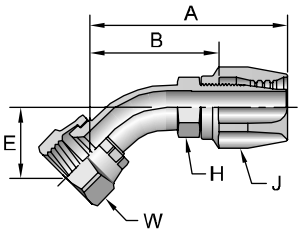
Female JIC 37˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
20621-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29
20621-5-5	5/16	1/2x20	1/4	1.92	49	5/8	5/8	5/8	1.18	30
20621-6-6	3/8	9/16x18	5/16	2.09	53	11/16	3/4	11/16	1.31	33
20621-8-8	1/2	3/4x16	13/32	2.46	62	7/8	7/8	7/8	1.54	39
20621-8-10	1/2	3/4x16	1/2	2.56	65	1	1-1/16	7/8	1.56	40
20621-10-10	5/8	7/8x14	1/2	2.65	67	1	1-1/16	1	1.65	42
20621-12-12	3/4	1-1/16x12	5/8	2.85	72	1-1/4	1-1/4	1-1/4	1.77	45
20621-16-16	1	1-5/16x12	7/8	2.94	75	1-1/2	1-7/16	1-1/2	1.95	50
20621-20-20	1-1/4	1-5/8x12	1-1/8	3.16	80	2	1-3/4	2	2.12	54

23721

Female JIC 37˚ - Swivel - 45˚ Elbow - Short Drop



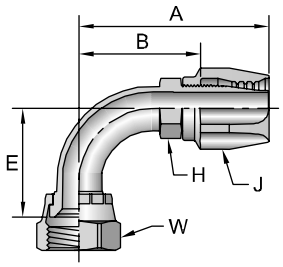
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23721-4-4	1/4	7/16x20	3/16	2.11	54	0.39	10	3/8	9/16	9/16	1.43	36
23721-6-6	3/8	9/16x18	5/16	2.26	57	0.40	10	1/2	3/4	11/16	1.48	38
23721-8-8	1/2	3/4x16	13/32	2.73	69	0.55	14	5/8	7/8	7/8	1.81	46
23721-10-10	5/8	7/8x14	1/2	2.97	75	0.64	16	3/4	1-1/16	1	1.97	50
23721-12-12	3/4	1-1/16x12	5/8	3.30	84	0.83	21	7/8	1-1/4	1-1/4	2.22	56
23721-16-16	1	1-5/16x12	7/8	3.44	87	0.90	23	1-1/8	1-7/16	1-1/2	2.45	62
23721-20-20	1-1/4	1-5/8x12	1-1/8	3.80	97	1.19	30	1-3/8	1-3/4	2	2.76	70

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

23921

Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop

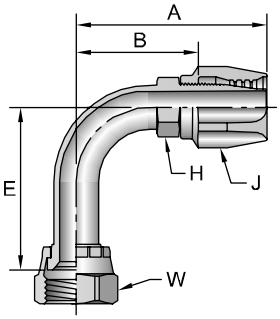
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23921-4-4	1/4	7/16 x 20	3/16	1.88	48	0.83	21	3/8	9/16	9/16	1.20	30
23921-4-6	1/4	7/16 x 20	5/16	1.95	50	0.83	21	1/2	3/4	9/16	1.17	30
23921-5-5	5/16	1/2 x 20	1/4	2.07	53	0.77	20	7/16	5/8	5/8	1.33	34
23921-6-6	3/8	9/16x18	5/16	2.15	55	0.85	22	1/2	3/4	11/16	1.37	35
23921-8-8	1/2	3/4 x 16	13/32	2.49	63	1.09	28	5/8	7/8	7/8	1.57	40
23921-10-10	5/8	7/8 x 14	1/2	2.69	68	1.23	31	3/4	1-1/16	1	1.69	43
23921-12-12	3/4	1-1/16 x 12	5/8	2.88	73	1.89	48	7/8	1-1/4	1-1/4	1.80	46
23921-16-16	1	1-5/16 x 12	7/8	3.40	86	2.14	54	1-1/8	1-7/16	1-1/2	2.41	61
23921-20-20	1-1/4	1-5/8 x 12	1-1/8	3.64	92	2.59	66	1-3/8	1-3/4	2	2.60	66



24121

Female JIC 37˚ - Swivel - 90˚ Elbow - Long Drop

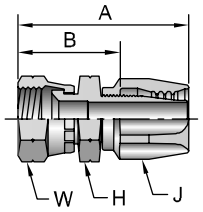
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
24121-4-4	1/4	7/16x20	3/16	1.88	48	2.52	64	3/8	9/16	9/16	1.20	30
24121-6-6	3/8	9/16x18	5/16	2.14	54	2.18	55	1/2	3/4	11/16	1.36	35
24121-8-8	1/2	3/4x16	13/32	2.45	62	2.52	64	5/8	7/8	7/8	1.53	39
24121-10-10	5/8	7/8x14	1/2	2.91	74	2.57	65	3/4	1-1/16	1	1.91	49
24121-20-20	1-1/4	1-5/8x12	1-1/8	3.63	92	5.28	134	1-3/8	1-3/4	2	2.59	66



20821

Female SAE 45˚ - Swivel

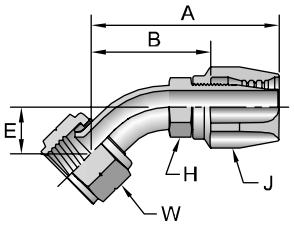
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
20821-4-4	1/4	7/16x20	3/16	1.83	46	9/16	9/16	9/16	1.16	29
20821-5-5	5/16	1/2x20	1/4	1.91	49	5/8	5/8	5/8	1.17	30
20821-6-6	3/8	5/8x18	5/16	2.12	54	3/4	3/4	3/4	1.34	34
20821-8-8	1/2	3/4x16	13/32	2.46	62	7/8	7/8	7/8	1.54	39
20821-10-10	5/8	7/8x14	1/2	2.65	67	1	1-1/16	1	1.65	42
20821-12-12	3/4	1-1/16x14	5/8	2.85	72	1-1/4	1-1/4	1-1/4	1.77	45



27721

Female SAE 45˚ - Swivel - 45˚ Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
27721-6-6	3/8	5/8x18	5/16	2.26	57	0.40	10	1/2	3/4	3/4	1.48	38
27721-12-12	3/4	1-1/16x14	5/8	3.30	84	0.83	21	7/8	1-1/4	1-1/4	2.22	56

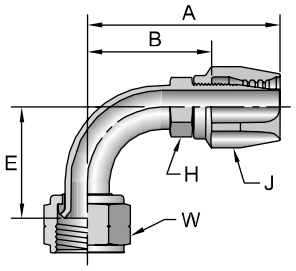


Notch in nut signifies 45˚ flare.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

27921

Female SAE 45˚ - Swivel - 90˚ Elbow

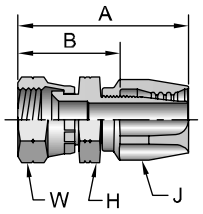


Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
27921-6-6	3/8	5/8x18	5/16	2.15	55	0.85	22	1/2	3/4	3/4	1.37	35
27921-12-12	3/4	1-1/16x14	5/8	2.88	73	1.89	48	7/8	1-1/4	1-1/4	1.89	46

Notch in nut signifies 45˚ flare.

23221

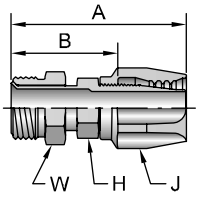
Female PTT 30˚ - Swivel



Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
23221-16-16	1	1-5/16x14	7/8	2.70	69	1-1/2	1-7/16	1-1/2	1.71	43

22821

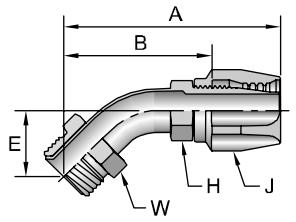
Male Inverted SAE 45˚ - Swivel



Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
22821-4-4	1/4	7/16x24	3/16	2.36	60	3/8	9/16	7/16	1.68	43
22821-5-4	5/16	1/2x20	3/16	2.32	59	7/16	9/16	1/2	1.64	42
22821-5-5	5/16	1/2x20	1/4	2.34	59	7/16	5/8	1/2	1.60	41
22821-5-6	5/16	1/2x20	5/16	2.47	63	1/2	3/4	1/2	1.69	43
22821-6-6	3/8	5/8x18	5/16	2.45	62	1/2	3/4	5/8	1.67	42
22821-8-8	1/2	3/4x18	13/32	2.84	72	5/8	7/8	3/4	1.92	49
22821-10-10	5/8	7/8x18	1/2	2.91	74	3/4	1-1/16	7/8	1.91	49

26721

Male Inverted SAE 45˚ - Swivel - 45˚ Elbow



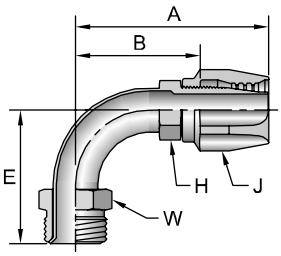
Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
26721-4-4	1/4	7/16x24	3/16	2.35	60	0.62	16	3/8	9/16	7/16	1.67	42
26721-5-5	5/16	1/2x20	1/4	2.59	66	0.94	24	7/16	5/8	1/2	1.85	47
26721-6-6	3/8	5/8x18	5/16	2.73	69	0.94	24	1/2	3/4	5/8	1.95	50
26721-8-8	1/2	3/4x18	13/32	3.05	77	0.94	24	5/8	7/8	3/4	2.13	54

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

26921

Male Inverted SAE 45° - Swivel - 90° Elbow

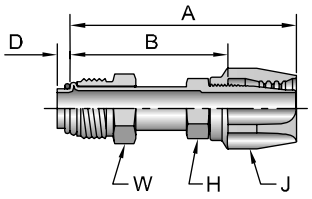
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
26921-4-4	1/4	7/16x24	3/16	2.45	62	1.56	40	3/8	9/16	7/16	1.77	45
26921-5-5	5/16	1/2x20	1/4	2.25	57	1.65	42	7/16	5/8	1/2	1.51	38
26921-5-6	5/16	1/2x20	5/16	2.38	60	1.65	42	1/2	3/4	1/2	1.60	41
26921-6-6	3/8	5/8x18	5/16	2.37	60	1.63	41	1/2	3/4	5/8	1.59	40
26921-8-8	1/2	3/4x18	13/32	2.63	67	1.78	45	5/8	7/8	3/4	1.71	43
26921-10-10	5/8	7/8x18	1/2	2.96	75	2.17	55	3/4	1-1/16	7/8	1.96	50



2S521

Male Tube-O - Swivel - Short Pilot

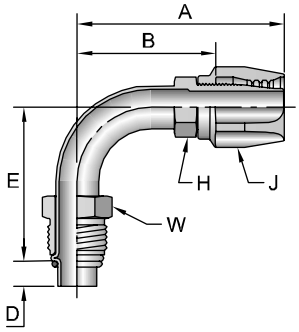
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	H inch	J inch	W inch	B inch	B mm
2S521-6-6	3/8	5/8x18	5/16	2.64	67	0.18	4,7	1/2	3/4	5/8	1.86	47



25M21

Male Tube-O - Swivel - 90° Elbow - Long Pilot

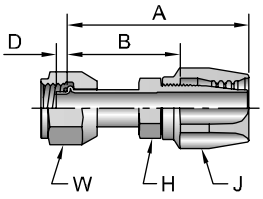
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
25M21-8-8	1/2	3/4x18	13/32	2.49	63	0.38	9,8	2.12	54	5/8	7/8	3/4	1.57	40
25M21-10-10	5/8	7/8x18	1/2	3.27	83	0.38	9,8	1.95	50	3/4	1-1/16	7/8	2.27	58



25S21

Female Tube-O - Swivel - Short Pilot

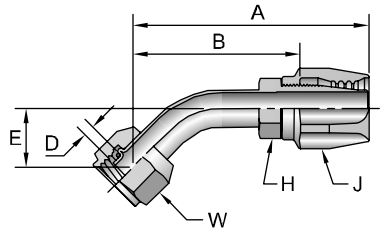
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	H inch	J inch	W inch	B inch	B mm
25S21-6-6	3/8	5/8x18	5/16	2.66	68	0.18	4,7	1/2	3/4	3/4	1.88	48
25S21-8-8	1/2	3/4x16	13/32	2.86	73	0.18	4,7	5/8	7/8	7/8	1.94	49



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

25H21

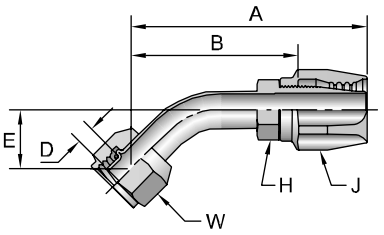
Female Tube-O - Swivel - 45˚ Elbow - Short Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
25H21-8-8	1/2	3/4x16	13/32	2.74	70	0.18	4,7	0.60	15	5/8	7/8	7/8	1.82	46

25N21

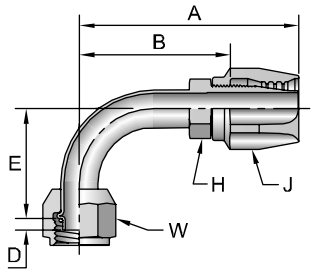
Female Tube-O - Swivel - 45˚ Elbow - Long Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
25N21-8-8	1/2	3/4x16	13/32	3.24	82	0.38	9,8	0.98	25	5/8	7/8	7/8	2.32	59

25T21

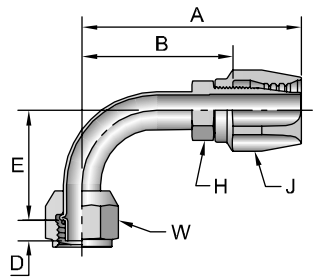
Female Tube-O - Swivel - 90˚ Elbow - Short Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
25T21-6-6	3/8	5/8x18	5/16	2.35	60	0.18	4,7	1.21	31	1/2	3/4	3/4	1.57	40
25T21-8-8	1/2	3/4x16	13/32	2.83	72	0.18	4,7	1.31	33	5/8	7/8	7/8	1.91	49
25T21-10-10	5/8	7/8x14	1/2	3.33	85	0.18	4,7	1.50	38	3/4	1-1/16	1-1/16	2.33	59

25L21

Female Tube-O - Swivel - 90˚ Elbow - Long Pilot



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	D inch	D mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
25L21-6-6	3/8	5/8x18	5/16	2.28	58	0.28	7,1	1.43	36	1/2	3/4	3/4	1.50	38
25L21-8-8	1/2	3/4x16	13/32	2.50	64	0.38	9,8	1.46	37	5/8	7/8	7/8	1.58	40
25L21-10-10	5/8	7/8x14	1/2	2.83	72	0.38	9,8	1.75	44	3/4	1-1/16	1-1/16	1.83	46

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

21 Series

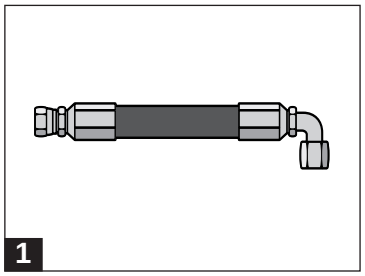
Hose Assembly Instructions

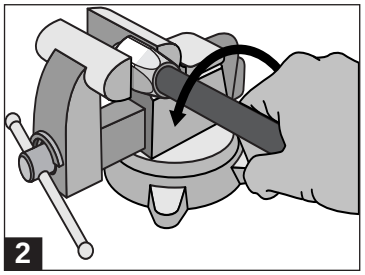
1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained.

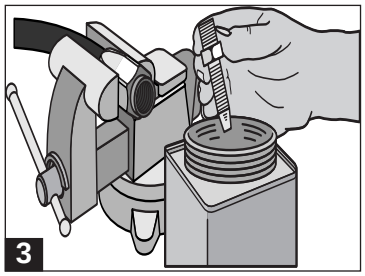
2. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.

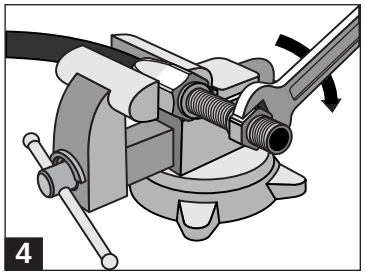
3. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.

4. Screw nipple assembly into socket using a wrench on the nipple hex until the nipple hex shoulders against the socket. A 1/32" to 1/16" gap between the nipple hex and socket is allowed for displacement angle adustment when elbow fittings are used.









Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

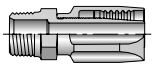
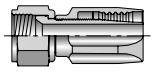
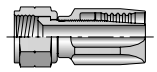
Special instructions for stainless steel fittings. When assembling fittings made with 316 stainless steel, lubricate the threads of both the socket and nipple with Accrolube High Efficiency Lubricant (see Section C) or equivalent metal assembly lubricant.

Note: Disassemble in reverse order.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION - TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

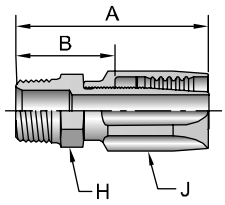
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	20122 B-144  *Male - Rigid*	***JIC 37°***	20622 B-144  *Female - Swivel*	***SAE 45°***	20822 B-144  *Female - Swivel*
Assembly Instructions	22 Series Assembly Instructions B-145				

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

20122

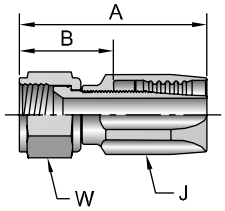
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm	Additional Material Brass (B)
20122-2-4	1/8x27	3/16	1.72	44	7/16	5/8	0.94	24	
20122-4-4	1/4x18	3/16	1.92	49	9/16	5/8	1.92	29	•
20122-4-5	1/4x18	1/4	2.01	51	9/16	11/16	1.18	30	•
20122-4-6	1/4x18	5/16	2.11	54	9/16	13/16	1.19	30	•
20122-6-8	3/8x18	13/32	2.49	63	3/4	15/16	1.40	36	•
20122-12-12	3/4x14	5/8	3.25	83	1-1/16	1-1/4	1.75	44	•

20622

Female JIC 37˚ - Swivel

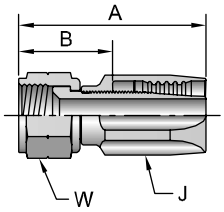


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	J inch	W inch	B inch	B mm	Additional Material Brass (B)
20622-4-4~	1/4	7/16x20	3/16	1.74	44	5/8	9/16	0.96	24	•
20622-5-5~	5/16	1/2x20	1/4	1.91	49	11/16	5/8	1.08	27	•
20622-6-6	3/8	9/16x18	5/16	2.05	52	13/16	11/16	1.13	29	•
20622-8-8~	1/2	3/4x16	13/32	2.55	65	15/16	7/8	1.46	37	•
20622-10-10~	5/8	7/8x14	1/2	2.80	71	1-1/8	1	1.58	40	•
20622-12-12	3/4	1-1/16x12	5/8	3.15	80	1-1/4	1-1/8	1.65	42	•
20622-16-16	1	1-5/16x12	7/8	2.84	72	1-7/16	1-1/2	1.65	42	•
20622-20-20	1-1/4	1-5/8x12	1-1/8	3.00	76	1-3/4	2	1.72	44	•
20622-24-24	1-1/2	1-7/8x12	1-3/8	3.30	84	2	2-1/4	1.93	49	•
20622-32-32	2	2-1/2x12	1-13/16	4.05	103	2-1/2	2-7/8	2.31	59	•
20622-40-40	2-1/2	3x12	2-3/8	4.17	106	3-1/8	3-3/8	2.36	60	

~These 20622 fittings contain a dual seat that accepts both the JIC (37˚) and SAE (45˚) male configurations. The -6 and -12 SAE (45˚) swivel fittings are shown under part number 20822.

20822

Female SAE 45˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	J inch	W inch	B inch	B mm	Additional Material Brass (B)
20822-4-4	1/4	7/16x20	3/16	1.74	44	5/8	9/16	0.96	24	•
20822-5-5	5/16	1/2x20	1/4	1.91	49	11/16	5/8	1.08	27	•
20822-6-6	3/8	5/8x18	5/16	2.08	53	13/16	3/4	1.16	29	•
20822-8-8	1/2	3/4x16	13/32	2.45	62	15/16	7/8	1.36	35	•
20822-10-10	5/8	7/8x14	1/2	2.80	71	1-1/8	1	1.58	40	•
20822-12-12	3/4	1-1/16x14	5/8	3.10	79	1-1/4	1-1/4	1.60	41	•

Notch in nut for SAE (45˚) flare.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

22 Series

(Mandrel Style) Hose Assembly Instructions

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.
2. When assembling male pipe ends, slide nipple onto mandrel.
3. When assembling swivel ends, slide swivel nut over nipple. Slide nut and nipple onto mandrel. Screw mandrel threads into nipple and wrench tighten.
4. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). **Do not oil hose cover.**
5. Push nipple into socket.
   - Male ends: Thread nipple in until it bottoms against socket.
   - Swivel ends: Thread nipple into socket using hex on assembly mandrel. Leave clearance of approximately 1/32" (.784mm) between nut and socket to allow nut to swivel. **Remove mandrel.**

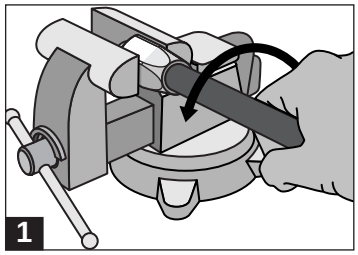
Note: Disassemble in reverse order.

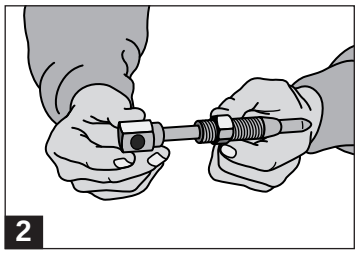
Caution: Do Not Attempt to Assemble These Fittings to the Hose Without Using a Mandrel.

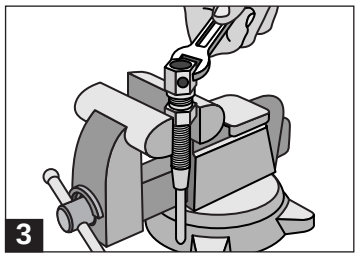
Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.

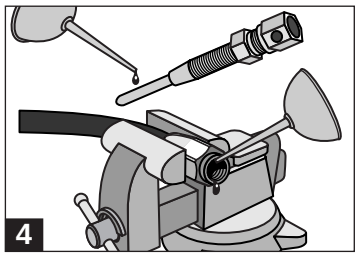
Special Instructions for Refrigerant Hose. Oil inside of hose and nipple threads liberally with the same oil used in refrigeration system. **Do not oil hose cover.** Do not allow hose to contact any petroleum base fluids.

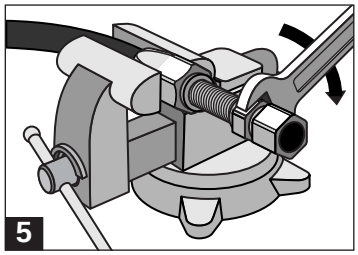
IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com





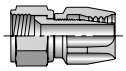
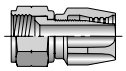
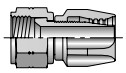






Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

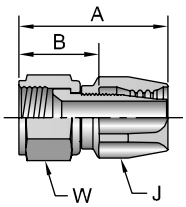
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

JIC 37˚	20623 B-148  *Female - Swivel*	***SAE 45˚***	20823 B-148  *Female - Swivel*	***PTT 30˚***	23223 B-148  *Female - Swivel*
Assembly Instructions	23 Series Assembly Instructions B-149				

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

20623

Female JIC 37˚ - Swivel

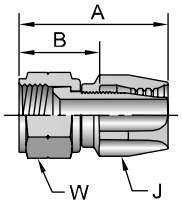


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	J inch	W inch	B inch	B mm
20623-4-4~	1/4	7/16x20	3/16	1.63	41	9/16	9/16	0.96	24
20623-5-5~	5/16	1/2x20	1/4	1.70	43	5/8	5/8	0.96	24
20623-6-6	3/8	9/16x18	5/16	1.91	49	3/4	11/16	1.13	29
20623-8-8~	1/2	3/4x16	13/32	2.16	55	7/8	7/8	1.24	31
20623-10-10~	5/8	7/8x14	1/2	2.37	60	1-1/16	1	1.37	35
20623-12-12	3/4	1-1/16x12	5/8	2.51	64	1-1/4	1-1/4	1.43	36
20623-16-16	1	1-5/16x12	7/8	2.50	64	1-7/16	1-1/2	1.51	38
20623-20-20	1-1/4	1-5/8x12	1-1/8	2.75	70	1-3/4	2	1.71	43
20623-24-24	1-1/2	1-7/8x12	1-3/8	3.00	76	2	2-1/4	1.90	48
20623-32-32	2	2-1/2x12	1-13/16	3.57	91	2-3/8	2-7/8	2.28	58

~ These 20623 fittings contain a dual seat that accepts both the JIC (37˚) and SAE (45˚) male configurations. The -6 and -12 SAE (45˚) swivel fittings are shown under part number 20823.

20823

Female SAE 45˚ - Swivel

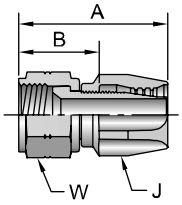


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	J inch	W inch	B inch	B mm	Additional Material Brass (B)
20823-4-4	1/4	7/16x20	3/16	1.68	43	9/16	9/16	1.01	26	•
20823-6-6	3/8	5/8x18	5/16	1.94	49	3/4	3/4	1.16	29	•
20823-8-8	1/2	3/4x16	13/32	2.08	53	7/8	7/8	1.16	29	•
20823-10-10	5/8	7/8x14	1/2	2.33	59	1-1/16	1	1.33	34	•
20823-12-12	3/4	1-1/16x14	5/8	2.47	63	1-1/4	1-1/4	1.39	35	•

Notch on nut signifies SAE 45˚ flared fitting.

23223

Female PTT 30˚ - Swivel



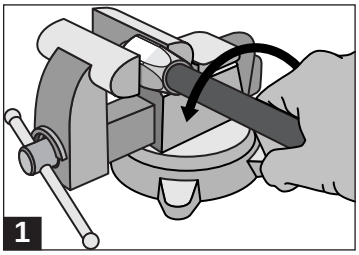
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	J inch	W inch	B inch	B mm
23223-16-16	1	1-5/16x14	7/8	2.29	58	1-7/16	1-1/2	1.30	33
23223-20-20	1-1/4	1-5/8x14	1-1/8	2.62	67	1-3/4	2	1.58	40

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

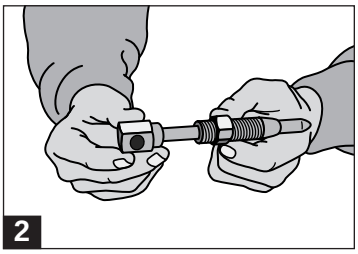
23 Series

Mandrel Assembly Instructions

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Care should be taken to ensure a square, clean cut is obtained. Air or solvent flush cut end of hose as necessary to produce a clean hose ID prior to assembly. Place socket in vice and screw in hose counter clockwise until hose bottoms. Back hose out ½ turn.



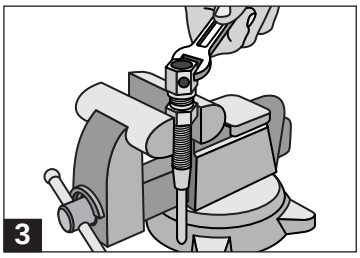
2. When assembling male pipe ends, slide nipple onto mandrel.



3. When assembling swivel ends, slide swivel nut over nipple. Slide nut and nipple onto mandrel. Screw mandrel threads into nipple and wrench tighten.

4. Oil inside of hose and nipple threads liberally with Hoze-Oil. (See Section C). Do not oil hose cover.

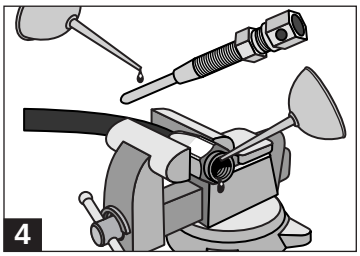
5. Push nipple into socket.
   •Male ends: Thread nipple in until it bottoms against socket.
   •Swivel ends: Apply wrench to hex of assembly mandrel. Thread nipple clockwise into socket until clearance between nut and socket is approximatly 1/32" (.794mm) to allow nut to swivel. **Remove mandrel.**



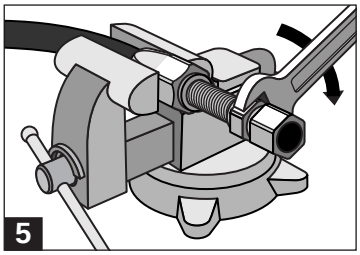
Note: Disassemble in reverse order.

Caution: Do Not Attempt to Assemble These Fittings to the Hose Without Using a Mandrel.

Inspection. Examine hose assembly internally for cut or bulged tube, obstructions and cleanliness. Clean ID of hose as necessary. Swivel nuts should turn freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the assembly to keep clean.



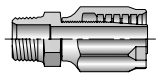
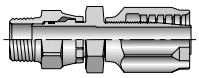
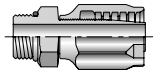
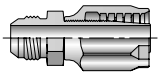
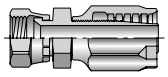
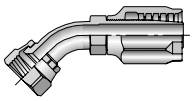
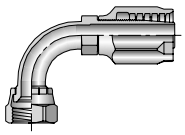
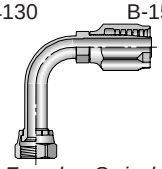
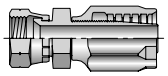
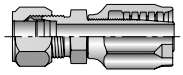
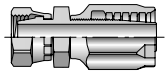
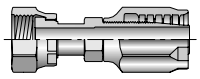
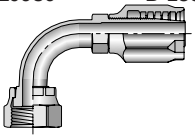
Special Instructions for Refrigerant Hose. Oil inside of hose and nipple threads liberally with the same oil used in refrigeration system. Do not oil hose cover. Do not allow hose to contact any petroleum base fluids.



IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

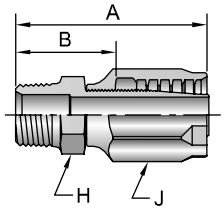
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	20130 B-152  *Male - Rigid*	21330 B-152  *Male - Swivel*	***Straight Thread***	20530 B-152  *Male - Rigid*	***JIC 37˚***
20330 B-153  *Male - Rigid*	20630 B-153  *Female - Swivel*	23730 B-154  *Female - Swivel 45˚ Elbow - Short*	23930 B-154  *Female - Swivel 90˚ Elbow - Short*	24130 B-154  *Female - Swivel 45˚ Elbow - Long*	***SAE***
20830 B-154  *Female - Swivel*	***Flareless***	21130 B-155  *Male - Rigid*	21230 B-155  *Female - Swivel*	***Seal-Lok® O-Ring Face Seal***	2JS30 B-155  *Female - Swivel Long*
2J930 B-155  *Female - Swivel 90˚ Elbow - Short*	***Assembly Instructions***	30 Series Assembly Instructions B-156			

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

20130

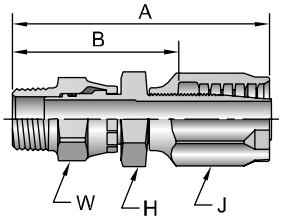
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20130-2-3	1/8x27	3/16	2.01	51	1/2	3/4	1.23	31
20130-2-4	1/8x27	1/4	2.19	56	9/16	3/4	1.23	31
20130-4-4	1/4x18	1/4	2.38	60	9/16	3/4	1.42	36
20130-4-6	1/4x18	3/8	2.58	66	11/16	15/16	1.44	37
20130-6-4	3/8x18	1/4	2.38	60	3/4	3/4	1.41	36
20130-6-6	3/8x18	3/8	2.58	66	3/4	15/16	1.44	37
20130-6-8	3/8x18	1/2	2.92	74	7/8	1-1/16	1.58	40
20130-8-6	1/2x14	3/8	2.77	70	7/8	15/16	1.63	41
20130-8-8	1/2x14	1/2	3.11	79	7/8	1-1/16	1.77	45
20130-12-12	3/4x14	3/4	3.20	81	1-1/8	1-3/8	1.77	45
20130-16-16	1x11-1/2	1	3.74	95	1-3/8	1-3/4	2.03	52
20130-20-20	1-1/4x11-1/2	1-1/4	4.59	117	1-3/4	2-1/4	2.46	62

21330

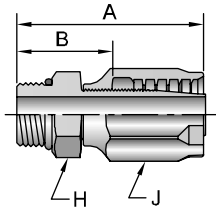
Male NPTF Pipe - Swivel



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
21330-4-4	1/4x18	1/4	3.42	87	9/16	3/4	5/8	2.46	62
21330-6-6	3/8x18	3/8	3.67	93	7/8	15/16	3/4	2.53	64
21330-8-8	1/2x14	1/2	4.20	107	1	1-1/16	7/8	2.86	73
21330-12-12	3/4x14	3/4	4.30	109	1	1-3/8	1	2.87	73
21330-16-16	1x11-1/2	1	4.93	125	1-1/2	1-3/4	1-1/2	3.22	82

20530

Male SAE Straight Thread with O-Ring - Rigid



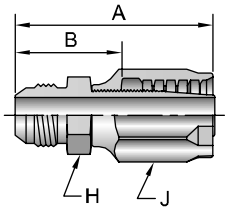
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20530-4-4	1/4	7/16x20	1/4	2.22	56	9/16	3/4	1.26	32
20530-6-6	3/8	9/16x18	3/8	2.45	62	11/16	15/16	1.31	33
20530-8-8	1/2	3/4x16	1/2	2.87	73	7/8	1-1/16	1.53	39

O-Rings are not compatible with Phosphate Ester fluids.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

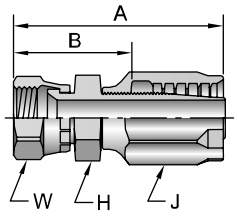
20330
Male JIC 37° - Rigid

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20330-4-4	1/4	7/16x20	1/4	2.37	60	9/16	3/4	1.41	36
20330-5-4	5/16	1/2x20	1/4	2.37	60	9/16	3/4	1.41	36
20330-6-4	3/8	9/16x18	1/4	2.38	60	5/8	3/4	1.42	36
20330-6-6	3/8	9/16x18	3/8	2.58	66	3/4	15/16	1.44	37
20330-8-6	1/2	3/4x16	3/8	2.68	68	13/16	15/16	1.54	39
20330-8-8	1/2	3/4x16	1/2	3.02	77	7/8	1-1/16	1.68	43
20330-10-8	5/8	7/8x14	1/2	3.12	79	15/16	1-1/16	1.78	45
20330-10-10	5/8	7/8x14	5/8	3.29	84	15/16	1-1/4	1.83	46
20330-12-12	3/4	1-1/16x12	3/4	3.31	84	1-1/8	1-3/8	1.88	48
20330-16-16	1	1-5/16x12	1	3.71	94	1-3/8	1-3/4	2	51



20630
Female JIC 37° - Swivel

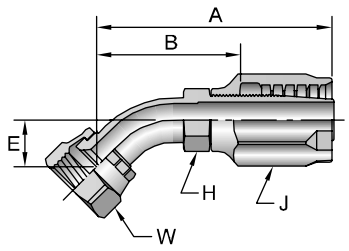
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
20630-4-3	1/4	7/16x20	3/16	2.27	58	9/16	3/4	9/16	1.49	38	
20630-4-4	1/4	7/16x20	1/4	2.45	62	9/16	3/4	9/16	1.49	38	•
20630-5-4	5/16	1/2x20	1/4	2.52	64	5/8	3/4	5/8	1.56	40	
20630-6-4	3/8	9/16x18	1/4	2.54	65	11/16	3/4	11/16	1.58	40	•
20630-6-6	3/8	9/16x18	3/8	2.74	70	11/16	15/16	11/16	1.60	41	•
20630-8-6	1/2	3/4x16	3/8	2.86	73	7/8	15/16	7/8	1.72	44	•
20630-8-8	1/2	3/4x16	1/2	3.20	81	7/8	1-1/16	7/8	1.86	47	•
20630-10-8	5/8	7/8x14	1/2	3.30	84	1	1-1/16	1	1.96	50	
20630-10-10	5/8	7/8x14	5/8	3.54	90	1	1-1/4	1	2.08	53	
20630-10-12	5/8	7/8x14	3/4	3.40	86	1-1/8	1-3/8	1	1.97	50	
20630-12-8	3/4	1-1/16x12	1/2	3.47	88	1-1/4	1-1/16	1-1/4	2.13	54	
20630-12-10	3/4	1-1/16x12	5/8	3.64	92	1-1/4	1-1/4	1-1/4	2.18	55	
20630-12-12	3/4	1-1/16x12	3/4	3.50	89	1-1/4	1-3/8	1-1/4	2.07	53	•
20630-14-12	7/8	1-3/16x12	3/4	3.50	89	1-3/8	1-3/8	1-3/8	2.07	53	
20630-16-12	1	1-5/16x12	3/4	3.59	91	1-1/2	1-3/4	1-1/2	2.16	55	
20630-16-16	1	1-5/16x12	1	3.94	100	1-1/2	1-3/4	1-1/2	2.23	57	
20630-20-16	1-1/4	1-5/8x12	1	4.17	106	2	1-3/4	2	2.46	62	
20630-20-20	1-1/4	1-5/8x12	1-1/4	4.96	126	2	2-1/4	2	2.83	72	
20630-24-24	1-1/2	1-7/8x12	1-1/2	5.26	134	2-1/4	2-1/2	2-1/4	3.05	77	
20630-32-32	2	2-1/2x12	2	6.42	163	2-7/8	3	2-7/8	3.92	100	



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

23730

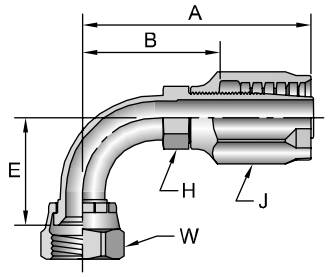
Female JIC 37° - Swivel - 45° Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23730-4-4	1/4	7/16x20	1/4	2.70	69	0.33	8	7/16	3/4	9/16	1.74	44
23730-6-6	3/8	9/16x18	3/8	3.01	76	0.39	10	9/16	15/16	11/16	1.87	47
23730-8-8	1/2	3/4x16	1/2	3.55	90	0.55	14	11/16	1-1/16	7/8	2.21	56
23730-10-8	5/8	7/8x14	1/2	3.61	92	0.65	17	13/16	1-1/16	1	2.27	58
23730-12-12	3/4	1-1/16x12	3/4	3.93	100	0.79	20	15/16	1-3/8	1-1/4	2.50	64
23730-16-16	1	1-5/16x12	1	4.51	115	0.90	23	1-1/4	1-3/4	1-1/2	2.80	71

23930

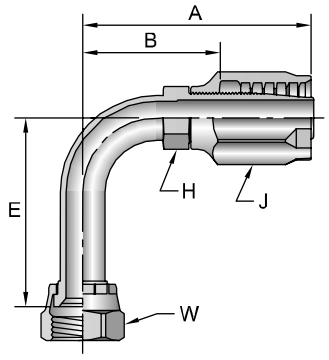
Female JIC 37° - Swivel - 90° Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23930-4-4	1/4	7/16x20	1/4	2.52	64	0.83	21	7/16	3/4	9/16	1.56	40
23930-6-6	3/8	9/16x18	3/8	2.91	74	0.85	22	9/16	15/16	11/16	1.77	45
23930-8-6	1/2	3/4x16	3/8	3.04	77	1.09	28	11/16	15/16	7/8	1.90	48
23930-8-8	1/2	3/4x16	1/2	3.32	84	1.09	28	11/16	1-1/16	7/8	1.98	50
23930-10-8	5/8	7/8x14	1/2	3.46	88	1.24	31	13/16	1-1/16	1	2.12	54
23930-12-12	3/4	1-1/16x12	3/4	3.86	98	1.81	46	15/16	1-3/8	1-1/4	2.43	62
23930-16-16	1	1-5/16x12	1	4.48	114	2.14	54	1-1/4	1-3/4	1-1/2	2.77	70

24130

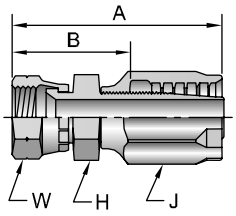
Female JIC 37° - Swivel - 90° Elbow - Long Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
24130-6-6	3/8	9/16x18	3/8	2.90	74	2.18	55	9/16	15/16	11/16	1.76	45
24130-8-8	1/2	3/4x16	1/2	3.39	86	2.43	62	11/16	1-1/16	7/8	2.05	52

20830

Female SAE 45° - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
20830-6-6	3/8	5/8x18	3/8	2.81	71	3/4	15/16	3/4	1.67	42

Notch on nut signifies SAE 45° flare.

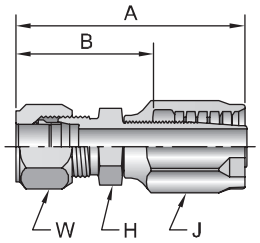
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

21130

Male Ferulok Flareless - Rigid - (24˚ Cone with Nut and Ferrule)

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
21130-16-16	1	1-5/16x12	1	4.15	105	1-3/8	1-3/4	1-1/2	2.44	62

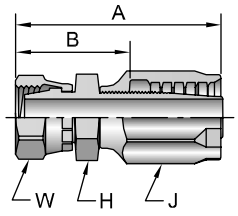
The Parker Ferrul-Fix fitting makes it possible to salvage the bent tube section from a hose assembly for quick, easy on-the-job repairs. For additional information see Ferrule-Fix installation instructions in the Technical Section.



21230

Female Ferulok Flareless - Swivel - (24˚ Cone)

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
21230-4-4	1/4	7/16x20	1/4	2.62	67	9/16	3/4	9/16	1.66	42
21230-6-6	3/8	9/16x18	3/8	2.94	75	11/16	15/16	11/16	1.80	46
21230-8-6	1/2	3/4x16	3/8	3.16	80	7/8	15/16	7/8	2.02	51
21230-8-8	1/2	3/4x16	1/2	3.44	87	7/8	1-1/16	7/8	2.10	53
21230-12-12	3/4	1-1/16x12	3/4	3.86	98	1-1/4	1-3/8	1-1/4	2.43	62

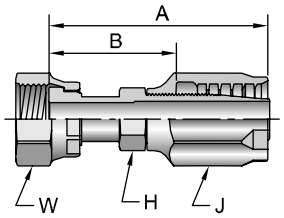


2JS30

Female Seal-Lok® - Swivel - Long

ISO 12151-1 - SWSB

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
2JS30-4-4	1/4	9/16x18	1/4	2.62	67	9/16	3/4	11/16	1.66	42
2JS30-6-6	3/8	11/16x16	3/8	2.89	73	9/16	15/16	13/16	1.75	44
2JS30-8-8	1/2	13/16x16	1/2	3.32	84	11/16	1-1/16	15/16	1.98	50
2JS30-12-12	3/4	1-3/16x12	3/4	3.65	93	15/16	1-3/8	1-3/8	2.22	56

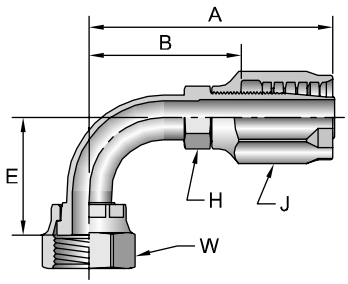


2J930

Female Seal-Lok® - Swivel - 90° Elbow - Short Drop

ISO 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
2J930-4-4	1/4	9/16x18	1/4	2.83	72	0.82	21	7/16	3/4	11/16	1.87	47
2J930-6-6	3/8	11/16x16	3/8	2.91	74	0.90	23	9/16	15/16	13/16	1.77	45
2J930-8-8	1/2	13/16x16	1/2	3.31	84	1.15	29	11/16	1-1/16	15/16	1.97	50
2J930-10-10	5/8	1x14	5/8	3.57	91	1.27	32	7/8	1-1/4	1-1/8	2.11	54
2J930-12-12	3/4	1-3/16x12	3/4	3.71	94	1.85	47	15/16	1-3/8	1-3/8	2.28	58

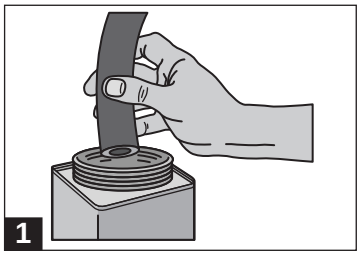


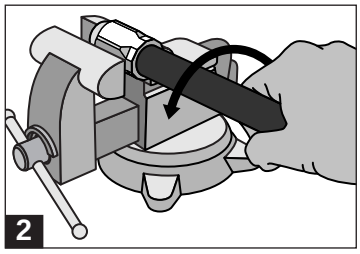
See Accessories Section for O-Rings.

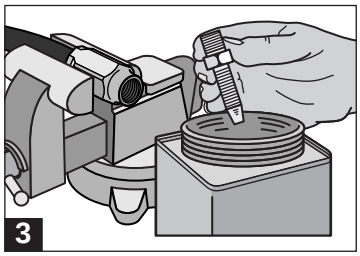
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

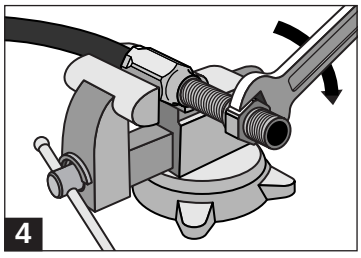
30 Series

Hose Assembly Instructions







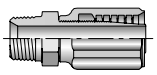
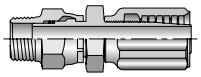
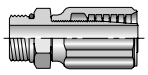
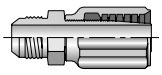
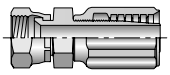
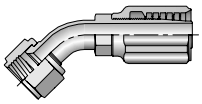
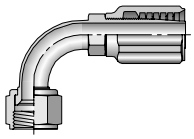
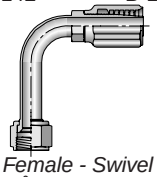
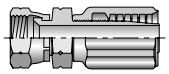
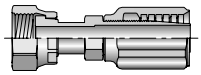
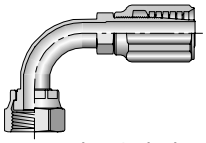
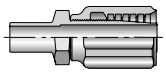
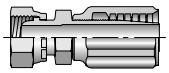
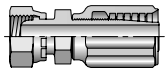
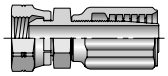


1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Dip hose end into Hoze-Oil (See Section C) or heavy oil.
2. Place socket in vice and screw in hose counter-clockwise until hose bottoms. Back hose out 1/2 turn.
3. Dip hose end of nipple into Hoze-Oil or other heavy oil up to the hex. When assembling fittings of 316 stainless steel lubricate the threads of both the socket and nipple with Down Corning Molykote G-n or equivalent metal assembly lubricant.
4. Screw nipple assembly into socket using wrench on nipple hex until nipple hex shoulders against socket.

Note: Disassemble in reverse order.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL: PARKER HOSE PRODUCTS DIVISION TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com

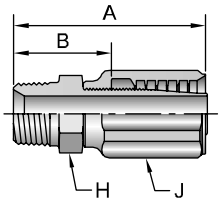
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	20142 B-158  *Male - Rigid*	21342 B-158  *Male - Swivel*	**SAE**	20542 B-158  *Male - Rigid*	**JIC 37°**
20342 B-159  *Male - Rigid*	20642 B-159  *Female - Swivel*	23742 B-160  *Female - Swivel 45° Elbow - Short*	23942 B-160  *Female - Swivel 90° Elbow - Short*	24142 B-160  *Female - Swivel 45° Elbow - Long*	**SAE**
20842 B-160  *Female - Swivel*	**Seal-Lok® O-Ring Face Seal**	2JS42 B-161  *Female - Swivel Long*	2J942 B-161  *Female - Swivel 90° Elbow - Short*	**Metric L & S**	21D42 B-161  *Male Standpipe Rigid*
2C342 B-162  *Female - Swivel*	2C642 B-162  *Female - Swivel*	**BSP**	29242 B-162  *Female - Swivel*	**Assembly Instructions**	42 Series Assembly Instructions B-163

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

20142

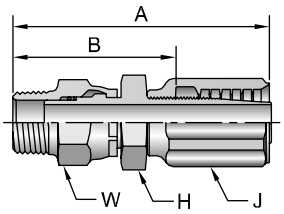
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20142-2-3	1/8x27	3/16	2.09	53	1/2	5/8	1.31	33
20142-2-4	1/8x27	1/4	2.17	55	9/16	11/16	1.25	32
20142-4-3	1/4x18	3/16	2.28	58	9/16	5/8	1.50	38
20142-4-4	1/4x18	1/4	2.36	60	9/16	11/16	1.44	37
20142-4-5	1/4x18	5/16	2.39	61	9/16	13/16	1.44	37
20142-4-6	1/4x18	3/8	2.60	66	11/16	7/8	1.45	37
20142-6-6	3/8x18	3/8	2.60	66	3/4	7/8	1.45	37
20142-8-8	1/2x14	1/2	3.02	77	7/8	1	1.69	43
20142-8-10	1/2x14	5/8	3.29	84	15/16	1-1/8	1.87	47
20142-12-12	3/4x14	3/4	3.23	82	1-1/8	1-3/8	1.75	44
20142-16-16	1x11-1/2	1	3.61	92	1-3/8	1-5/8	2.07	53

21342

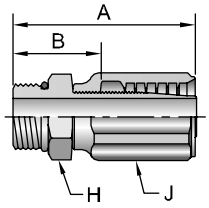
Male NPTF Pipe - Swivel



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
21342-4-4	1/4x18	1/4	3.40	86	9/16	11/16	5/8	2.48	63
21342-6-6	3/8x18	3/8	3.69	94	7/8	7/8	3/4	2.54	65

20542

Male SAE Straight Thread with O-Ring - Rigid



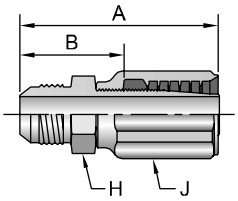
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20542-4-4	1/4	7/16X20	1/4	2.2	56	9/16	11/16	1.28	33
20542-6-6	3/8	9/16x18	3/8	2.47	63	11/16	7/8	1.32	34
20542-8-8	1/2	3/4X16	1/2	2.78	71	7/8	1	1.45	37

O-Rings are not compatible with Phosphate Ester fluids.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

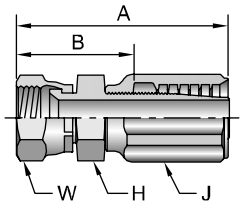
20342
Male JIC 37˚ - Rigid

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	B inch	B mm
20342-4-4	1/4	7/16x20	1/4	2.35	60	9/16	11/16	1.43	36
20342-6-4	3/8	9/16x18	1/4	2.36	60	5/8	11/16	1.44	36
20342-6-5	3/8	9/16x18	5/16	2.39	61	5/8	13/16	1.43	36
20342-6-6	3/8	9/16x18	3/8	2.60	66	3/4	7/8	1.45	37
20342-8-6	1/2	3/4x16	3/8	2.70	69	13/16	7/8	1.55	39
20342-8-8	1/2	3/4x16	1/2	2.93	74	7/8	1	1.60	41
20342-10-10	5/8	7/8x14	5/8	3.24	82	15/16	1-1/8	1.82	46
20342-12-12	3/4	1-1/16x12	3/4	3.34	85	1-1/8	1-3/8	1.86	47
20342-16-16	1	1-5/16x12	1	3.58	91	1-3/8	1-5/8	2.04	52



20642
Female JIC 37˚ - Swivel

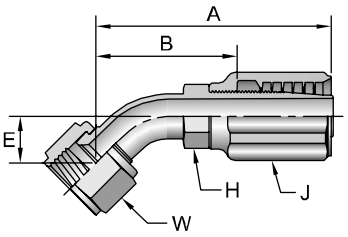
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm	Additional Material Stainless Steel (C)
20642-4-3	1/4	7/16x20	3/16	2.34	59	9/16	5/8	9/16	1.56	40	
20642-4-4	1/4	7/16x20	1/4	2.43	62	9/16	11/16	9/16	1.51	38	
20642-5-4	5/16	1/2x20	1/4	2.50	64	5/8	11/16	5/8	1.58	40	
20642-6-4	3/8	9/16x18	1/4	2.52	64	11/16	11/16	11/16	1.60	41	
20642-6-5	3/8	9/16x18	5/16	2.55	65	11/16	13/16	11/16	1.60	41	
20642-6-6	3/8	9/16x18	3/8	2.76	70	11/16	7/8	11/16	1.61	41	•
20642-8-6	1/2	3/4x16	3/8	2.88	73	7/8	7/8	7/8	1.73	44	
20642-8-8	1/2	3/4x16	1/2	3.11	79	7/8	1	7/8	1.78	45	•
20642-10-8	5/8	7/8x14	1/2	3.21	82	1	1	1	1.88	48	
20642-10-10	5/8	7/8x14	5/8	3.49	89	1	1-1/8	1	2.07	53	
20642-10-12	5/8	7/8x14	3/4	3.43	87	1-1/8	1-3/8	1	1.95	50	
20642-12-12	3/4	1-1/16x12	3/4	3.53	90	1-1/4	1-3/8	1-1/4	2.05	52	
20642-16-12	1	1-5/16x12	3/4	3.62	92	1-1/2	1-3/8	1-1/2	2.14	54	
20642-16-16	1	1-5/16x12	1	3.81	97	1-1/2	1-5/8	1-1/2	2.27	58	
20642-20-16	1-1/4	1-5/8x12	1	4.04	103	2	1-5/8	2	2.50	64	



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

23742

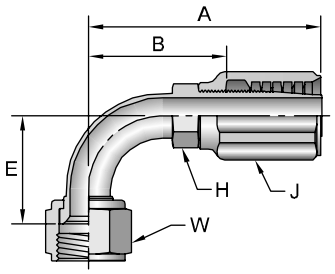
Female JIC 37˚ - Swivel - 45˚ Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23742-4-4	1/4	7/16x20	1/4	2.68	68	0.33	8	7/16	11/16	9/16	1.76	45
23742-6-6	3/8	9/16x18	3/8	3.03	77	0.39	10	9/16	7/8	11/16	1.88	48
23742-8-8	1/2	3/4x16	1/2	3.46	88	0.55	14	11/16	1	7/8	2.13	54
23742-16-16	1	1-5/16x12	1	4.38	111	0.90	23	1-1/4	1-5/8	1-1/2	2.84	72

23942

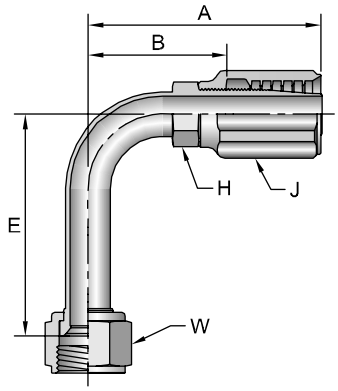
Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
23942-4-4	1/4	7/16x20	1/4	2.50	64	0.83	21	7/16	11/16	9/16	1.58	40
23942-6-6	3/8	9/16x18	3/8	2.93	74	0.85	22	9/16	7/8	11/16	1.78	45
23942-8-6	1/2	3/4x16	3/8	3.06	78	1.09	28	11/16	7/8	7/8	1.91	49
23942-8-8	1/2	3/4x16	1/2	3.22	82	1.09	28	11/16	1	7/8	1.90	48
23942-10-8	5/8	7/8x14	1/2	3.37	86	1.24	31	13/16	1	1	2.04	52
23942-12-12	3/4	1-1/16x12	3/4	3.89	99	1.81	46	15/16	1-3/8	1-1/4	2.41	61
23942-16-16	1	1-5/16x12	1	4.35	110	2.14	54	1-1/4	1-5/8	1-1/2	2.81	71

24142

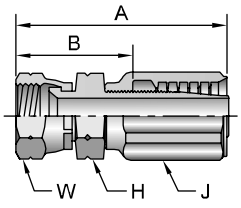
Female JIC 37˚ - Swivel - 90˚ Elbow - Long Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
24142-6-6	3/8	9/16x18	3/8	2.92	74	2.18	55	9/16	7/8	11/16	1.77	45
24142-8-8	1/2	3/4x16	1/2	3.30	84	2.43	62	11/16	1	7/8	1.97	50
24142-10-8	5/8	7/8x14	1/2	3.44	87	2.57	65	13/16	1	1	2.11	54

20842

Female SAE 45˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
20842-6-6	3/8	5/8x18	3/8	2.82	72	3/4	7/8	3/4	1.67	42

Notch on nut signifies SAE 45˚ flare.

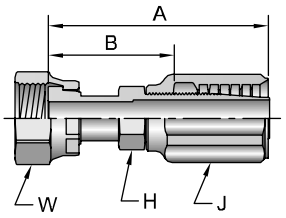
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

2JS42

Female Seal-Lok® - Swivel - Long

ISO - 12151-1 - SWSB

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	J inch	W inch	B inch	B mm
2JS42-4-4	1/4	9/16-18	1/4	2.60	66	9/16	11/16	11/16	1.68	43
2JS42-6-6	3/8	11/16x16	3/8	2.91	74	9/16	7/8	13/16	1.76	45
2JS42-8-8	1/2	13/16x16	1/2	3.23	82	11/16	1	15/16	1.90	48

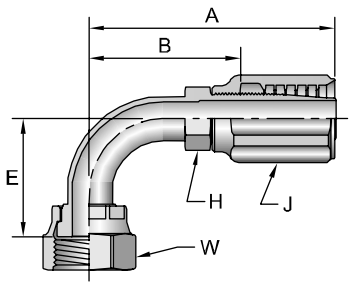


2J942

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	J inch	W inch	B inch	B mm
2J942-4-4	1/4	9/16x18	1/4	2.81	71	0.78	20	7/16	11/16	11/16	1.89	48
2J942-6-6	3/8	11/16x16	3/8	2.93	74	0.90	23	9/16	7/8	13/16	1.78	45
2J942-8-8	1/2	13/16x16	1/2	3.22	82	1.15	29	11/16	1	15/16	1.89	48

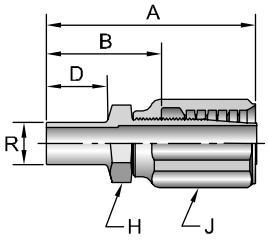


21D42

Male Standpipe Metric L - Rigid

ISO 8434-1

# Part Number	R mm	Hose I.D. inch	A inch	A mm	D inch	D mm	H mm	J inch	B inch	B mm
21D42-6-4	6	1/4	2.56	65	0.87	22	14	11/16	1.57	40
21D42-8-4	8	1/4	2.56	65	0.87	22	14	11/16	1.57	40
21D42-10-5	10	5/16	2.68	68	0.91	23	14	13/16	1.65	42
21D42-10-6	10	3/8	2.80	71	0.91	23	17	7/8	1.65	42
21D42-12-6	12	3/4	2.80	71	0.91	23	17	7/8	1.65	42
21D42-15-8	15	1/2	3.15	80	0.98	25	19	1	1.89	48
21D42-18-10	18	5/8	3.46	88	1.02	26	24	1-1/8	2.09	53
21D42-18-12	18	3/4	3.39	86	1.02	26	27	1-3/8	1.81	46
21D42-22-12	22	3/4	3.46	88	1.10	28	27	1-3/8	1.89	48
21D42-28-16	28	1	4.09	104	1.18	30	32	1-5/8	2.28	58

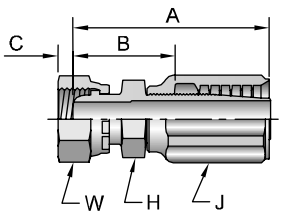


Metric L: Mates with EO "L" Series Fittings.
See Accessories Section for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

2C342

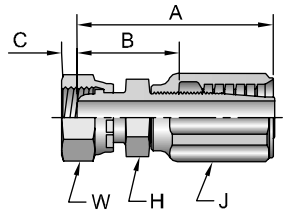
Female Metric L - Swivel - (Ball Nose)
ISO 8434-1



# Part Number	Thread		Hose I.D.	A		C		H	J	W	B	
	mm		inch	inch	mm	inch	mm	mm	inch	mm	inch	mm
2C342-6-4	6	M12x1,5	1/4	2.40	61	0.09	2	14	11/16	14	1.42	36
2C342-8-4	8	M14x1,5	1/4	2.44	62	0.11	3	14	11/16	17	1.46	37
2C342-10-5	10	M16x1,5	5/16	2.91	74	0.06	2	17	13/16	19	1.91	49
2C342-10-6	10	M16x1,5	3/8	2.83	72	0.06	2	17	7/8	19	1.74	44
2C342-12-6	12	M18x1,5	3/8	2.72	69	0.10	3	19	7/8	22	1.63	41
2C342-15-8	15	M22x1,5	1/2	3.11	79	0.17	4	22	1	27	1.81	46
2C342-18-10	18	M26x1,5	5/8	3.39	86	0.10	3	27	1-1/8	32	1.97	50
2C342-18-12	18	M26x1,5	3/4	3.31	84	0.10	3	27	1-3/8	32	1.76	45
2C342-22-12	22	M30x2	3/4	3.58	91	0.18	5	30	1-3/8	36	2.03	52
2C342-28-16	28	M36x2	1	4.25	108	0.22	6	36	1-5/8	46	2.59	66

2C642

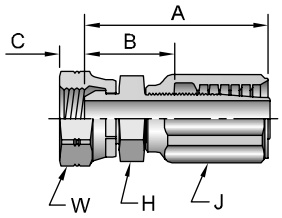
Female Metric S - Swivel - (Ball Nose)
ISO 8434-1



# Part Number	Thread		Hose I.D.	A		C		H	J	W	B	
	mm		inch	inch	mm	inch	mm	mm	inch	mm	inch	mm
2C642-12-6	12	M20x1,5	3/8	2.72	69	0.08	2	19	7/8	24	1.61	41

29242

Female BSP Parallel Pipe - Swivel - (60˚ Cone)
ISO 228-1



# Part Number	Thread	Hose I.D.	A		C		H	J	W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm	inch	mm
29242-8-8	1/2x14	1/2	3.31	84	0.28	7	22	1	27	2.01	51

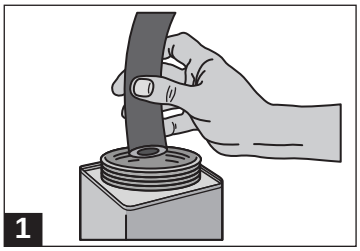
Metric L: Mates with EO "L" Series Fittings.
Metric S: Mates with EO "S" Series Fittings.
When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

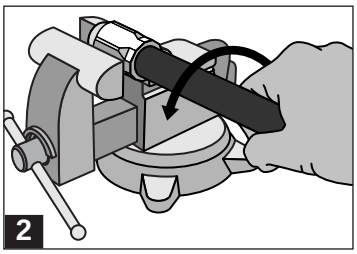
42 Series

Hose Assembly Instructions

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table. Properly measure, mark and cut hose to desired length using fine tooth hacksaw or a cutoff machine. Dip hose end into Hoze-Oil (See Section C) or heavy oil.

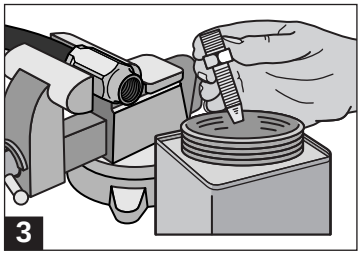


2. Place socket in vice and screw in hose counter-clockwise until hose bottoms. Back hose out 1/2 turn.



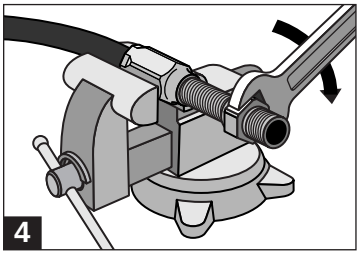
3. Dip hose end of nipple into Hoze-Oil or other heavy oil up to the hex. When assembling fittings of 316 stainless steel lubricate the threads of both the socket and nipple with Dow Corning Molykote G-n or equivalent metal assembly lubricant.

4. Screw assembly into socket using wrench on nipple hex until nipple hex shoulders against socket.



Note: Disassemble in reverse order.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL:
PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	30182 B-166 *Male - Rigid*	31382 B-166 *Male - Swivel*	30282 B-167 *Female - Rigid*	**NPSM Pipe**	37G82 B-167 *Female - Swivel Gasket Joint*
JIC 37˚	30382 B-167 *Male - Rigid*	30682 B-168 *Female - Swivel*	33782 B-168 *Female - Swivel 45˚ Elbow - Short*	33982 B-168 *Female - Swivel 90˚ Elbow - Short*	34182 B-168 *Female - Swivel 90˚ Elbow - Long*
SAE	30482 B-169 *Male - Rigid*	30882 B-169 *Female - Swivel*	37782 B-169 *Female - Swivel 45˚ Elbow*	37982 B-169 *Female - Swivel 90˚ Elbow*	**Inverted SAE**
32882 B-170 *Male - Swivel*	36782 B-170 *Male - Swivel 45˚ Elbow*	36982 B-170 *Male - Swivel 90˚ Elbow*	32982 B-170 *Female - Rigid*	**Seal-Lok® O-Ring Face Seal**	3JC82 B-171 *Female - Swivel Short*
3J782 B-171 *Female - Swivel 45˚ Elbow*	3J982 B-171 *Female - Swivel 90˚ Elbow - Short*	3J182 B-171 *Female - Swivel 90˚ Elbow - Long*	**Standpipe**	33482 B-172 *Male - Rigid*	**Union**
38282 B-172 *Push-Lok Union*	**Metric L**	3D082 B-172 *Male - Rigid*	31D82 B-173 *Male Standpipe Rigid*	**BSP**	39282 B-173 *Female - Swivel*
3D982 B-173 *Male - Rigid*	3B282 B-173 *Female - Swivel 90˚ Elbow*	**Banjo**	34982 B-174 *Metric - Banjo*	AM B-174 *Banjo Bolt*	**Metric L Swivels**
3CA82 B-175 *Swivel - 24° Cone*	3CF82 B-175 *Swivel - 90° Elbow - 24° Cone*	3C482 B-175 *Swivel - 45° Elbow - Ball Nose*	3C582 B-176 *Swivel - 90° Elbow - Ball Nose*	3C382 B-176 *Swivel - Ball Nose*	**Kits**

Continued

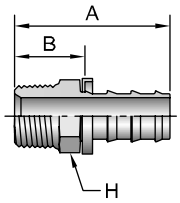
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Push-Lok Kits B-177 *Push-Lok Hose and Fitting Kits*	Push-Lok Merchandiser B-178 *Push-Lok Hose and Fitting Display Case*	***Assembly Instructions***	82 Series Assembly Instructions B-179

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

30182

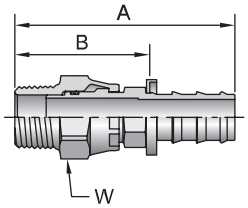
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm	Additional Material Brass (B)	Additional Material Stainless Steel (C)
30182-2-4	1/8x27	1/4	1.39	35	7/16	0.64	16	•	•
30182-4-4	1/4x18	1/4	1.57	40	9/16	0.82	21	•	•
30182-4-6	1/4x18	3/8	1.78	45	9/16	0.88	22	•	•
30182-4-8	1/4x18	1/2	1.93	49	5/8	0.88	22	•	
30182-6-6	3/8x18	3/8	1.78	45	11/16	0.88	22	•	•
30182-6-8	3/8x18	1/2	1.93	49	11/16	0.88	22	•	
30182-8-6	1/2x14	3/8	2.03	52	7/8	1.13	29	•	•
30182-8-8	1/2x14	1/2	2.18	55	7/8	1.13	29	•	•
30182-8-10	1/2x14	5/8	2.58	66	7/8	1.13	29	•	
30182-8-12	1/2x14	3/4	2.58	66	7/8	1.13	29	•	
30182-12-8	3/4x14	1/2	2.21	56	3/4	1.16	29	•	
30182-12-10	3/4x14	5/8	2.61	66	1-1/16	1.16	29	•	
30182-12-12	3/4x14	3/4	2.61	66	1-1/16	1.16	29	•	•
30182-16-16	1x11-1/2	1	3.06	78	1-3/8	1.61	41	•	•

31382

Male NPTF Pipe - Swivel



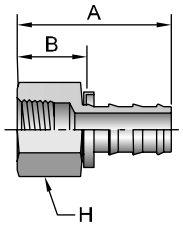
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	W inch	B inch	B mm	Additional Material Brass (B)
31382-4-4	1/4x18	1/4	1.60	41	9/16	0.85	22	
31382-6-6	3/8x18	3/8	1.79	45	11/16	0.89	23	
31382-8-8	1/2x14	1/2	2.20	56	7/8	1.15	29	
31382-8-10	1/2x14	5/8	3.50	90	7/8	2.05	52	•
31382-12-12	3/4x14	3/4	3.70	94	1-1/4	2.25	57	

O-Ring not compatible with Phosphate Ester fluids.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

30282
Female NPTF Pipe - Rigid

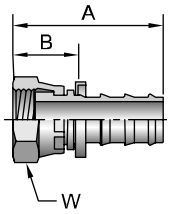
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm	Additional Material Brass (B)
30282-4-4	1/4x18	1/4	1.56	40	3/4	0.81	21	•
30282-6-6	3/8x18	3/8	1.82	46	7/8	0.92	23	•
30282-8-8	1/2x14	1/2	2.16	55	1-1/16	1.11	28	•



37G82
Female NPSM Pipe - Gasket Joint - Swivel

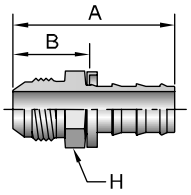
# Part Number	Gasket	Thread inch	Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
37G82-4-4	07G-4	1/4x18	1/4	1.55	39	11/16	0.80	20
37G82-4-6	07G-4	1/4x18	3/8	1.70	43	11/16	0.80	20
37G82-6-6	07G-6	3/8x18	3/8	1.75	44	7/8	0.85	22
37G82-8-8	07G-8	1/2x14	1/2	2.07	53	1	1.02	26
37G82-8-10	07G-8	1/2x14	5/8	2.47	63	1	1.02	26
37G82-12-12	07G-12	3/4x14	3/4	2.54	65	1-1/4	1.09	28

Textile gasket included with fitting.



30382
Male JIC 37˚ - Rigid

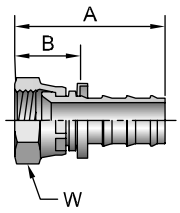
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm	Additional Material Brass (B)
30382-4-4	1/4	7/16x20	1/4	1.56	40	1/2	0.81	21	
30382-5-4	5/16	1/2x20	1/4	1.59	40	9/16	0.84	21	
30382-6-6	3/8	9/16x18	3/8	1.78	45	5/8	0.88	22	•
30382-8-8	1/2	3/4x16	1/2	2.06	52	3/4	1.01	26	
30382-10-10	5/8	7/8x14	5/8	2.62	67	7/8	1.17	30	
30382-12-12	3/4	1-1/16x12	3/4	2.72	69	1-1/8	1.27	32	



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

30682

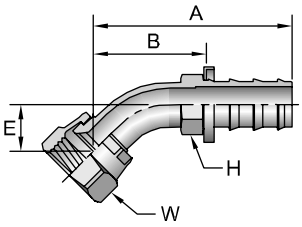
Female JIC 37˚ - Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm	Additional Material Brass (B)	Additional Material Stainless Steel (C)
30682-4-4	1/4	7/16x20	1/4	1.52	39	9/16	0.77	20	•	•
30682-5-4	5/16	1/2x20	1/4	1.58	40	5/8	0.83	21	•	
30682-5-6	5/8	1/2x20	3/8	1.72	44	5/8	0.82	21	•	
30682-6-4	3/8	9/16x18	1/4	1.61	41	11/16	0.86	22	•	
30682-6-6	3/8	9/16x18	3/8	1.75	44	11/16	0.85	22	•	•
30682-6-8	3/8	9/16x18	1/2	1.90	48	11/16	0.85	22	•	
30682-8-6	1/2	3/4x16	3/8	1.87	47	7/8	0.97	25	•	
30682-8-8	1/2	3/4x16	1/2	2.02	51	7/8	0.97	25	•	•
30682-10-8	5/8	7/8x14	1/2	2.14	54	1	1.09	28	•	
30682-10-10	5/8	7/8x14	5/8	2.54	65	1	1.09	28	•	•
30682-12-12	3/4	1-1/16x12	3/4	2.65	67	1-1/4	1.20	30	•	•
30682-16-16	1	1-5/16X12	1	2.77	70	1-3/8	1.32	34	•	

33782

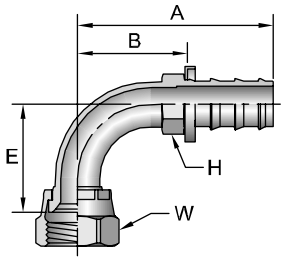
Female JIC 37˚ - Swivel - 45˚ Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
33782-4-4	1/4	7/16x20	1/4	1.74	44	0.39	10	7/16	9/16	0.99	25
33782-6-6	3/8	9/16x18	3/8	1.99	51	0.43	11	1/2	11/16	1.09	28
33782-8-8	1/2	3/4x16	1/2	2.58	66	0.55	14	5/8	7/8	1.53	39
33782-10-10	5/8	7/8x14	5/8	3.03	77	0.65	17	3/4	1	1.58	40

33982

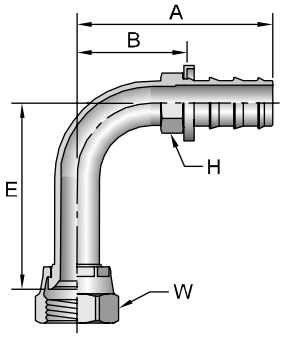
Female JIC 37˚ - Swivel - 90˚ Elbow - Short Drop



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
33982-4-4	1/4	7/16x20	1/4	1.55	39	0.83	21	---	9/16	0.80	20
33982-6-6	3/8	9/16x18	3/8	1.85	47	0.91	23	---	11/16	0.95	24
33982-8-8	1/2	3/4x16	1/2	2.33	59	1.09	28	5/8	7/8	1.28	33
33982-10-10	5/8	7/8x14	5/8	2.88	73	1.24	31	3/4	1	1.43	36
33982-12-12	3/4	1-1/16x12	3/4	3.26	83	1.81	46	7/8	1-1/4	1.81	46

34182

Female JIC 37˚ - Swivel - 90˚ Elbow - Long Drop

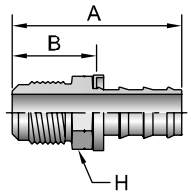


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
34182-4-4	1/4	7/16x20	1/4	1.79	45	1.80	46	7/16	9/16	1.04	26
34182-6-6	3/8	9/16x18	3/8	1.97	50	2.18	55	1/2	11/16	1.07	27

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

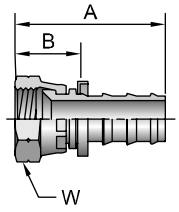
30482
Male SAE 45˚ - Rigid

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
30482-4-4B	1/4	7/16x20	1/4	1.51	38	7/16	0.76	19
30482-5-4B	5/16	1/2x20	1/4	1.61	41	9/16	0.86	22
30482-6-6B	3/8	5/8x18	3/8	1.84	47	5/8	0.94	24
30482-8-8B	1/2	3/4x16	1/2	2.15	55	3/4	1.10	28



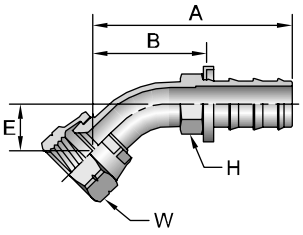
30882
Female SAE 45˚ - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm	Additional Material Brass (B)
30882-4-4	1/4	7/16x20	1/4	1.52	39	9/16	0.77	20	•
30882-5-4	5/16	1/2x20	1/4	1.58	40	5/8	0.83	21	•
30882-6-6	3/8	5/8x18	3/8	1.81	46	3/4	0.91	23	•
30882-8-6	1/2	3/4x16	3/8	1.87	47	7/8	0.97	25	•
30882-8-8	1/2	3/4x16	1/2	2.02	51	7/8	0.97	25	•
30882-10-10	5/8	7/8x14	5/8	2.54	65	1	1.09	28	•
30882-12-12	3/4	1-1/16x14	3/4	2.65	67	1-1/4	1.20	30	•



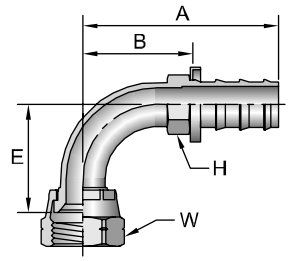
37782
Female SAE 45˚ - Swivel - 45˚ Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
37782-4-4	1/4	7/16x20	1/4	1.79	45	0.33	8	7/16	9/16	1.04	26
37782-6-6	3/8	5/8x18	3/8	2.08	53	0.39	10	1/2	3/4	1.18	30
37782-8-8	1/2	3/4x16	1/2	2.58	66	0.55	14	5/8	7/8	1.53	39



37982
Female SAE 45˚ - Swivel - 90˚ Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
37982-4-4	1/4	7/16x20	1/4	1.60	41	0.83	21	7/16	9/16	0.85	22
37982-6-6	3/8	5/8x18	3/8	1.98	50	0.85	22	1/2	3/4	1.08	27
37982-8-8	1/2	3/4x16	1/2	2.33	59	1.09	28	5/8	7/8	1.28	33

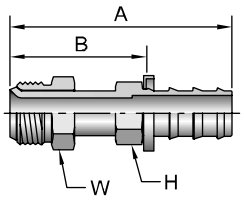


Notch in nut signifies 45˚ flare.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

32882

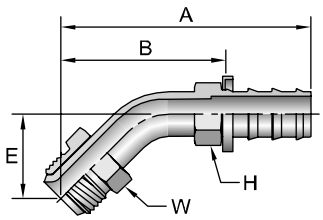
Male Inverted SAE 45˚- Swivel



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	W inch	B inch	B mm
32882-3-4	3/16	3/8x24	1/4	2.15	55	3/8	3/8	1.40	36
32882-4-4	1/4	7/16x24	1/4	2.15	55	7/16	7/16	1.40	36
32882-5-4	5/16	1/2x20	1/4	2.31	59	7/16	1/2	1.56	40
32882-6-6	3/8	5/8x18	3/8	2.58	66	1/2	5/8	1.68	43
32882-8-8	1/2	3/4x18	1/2	2.82	72	5/8	3/4	1.77	45
32882-10-10	5/8	7/8x18	5/8	3.34	85	3/4	7/8	1.89	48

36782

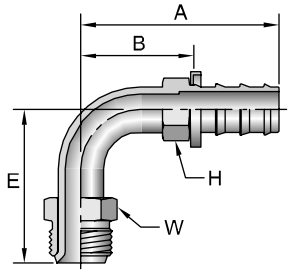
Male Inverted SAE 45˚- Swivel - 45˚ Elbow



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
36782-4-4	1/4	7/16x24	1/4	1.92	49	0.63	16	7/16	7/16	1.17	30
36782-6-6	3/8	5/8x18	3/8	2.64	67	0.94	24	1/2	5/8	1.74	44

36982

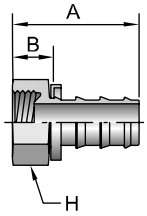
Male Inverted SAE 45˚ - Swivel - 90˚ Elbow



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
36982-4-4	1/4	7/16x24	1/4	1.99	51	1.56	40	7/16	7/16	1.24	31
36982-5-4	5/16	1/2x20	1/4	2.17	55	1.65	42	7/16	1/2	1.42	36
36982-6-6	3/8	5/8x18	3/8	2.30	58	1.69	43	1/2	5/8	1.40	36

32982

Female Inverted SAE 45˚ - Rigid



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
32982-4-4B	1/4	7/16x24	1/4	1.19	30	1/2	0.44	11
32982-5-4B	5/16	1/2x20	1/4	1.25	32	9/16	0.50	13
32982-6-6B	3/8	5/8x18	3/8	1.44	37	3/4	0.54	14
32982-8-8B	1/2	3/4x18	1/2	1.62	41	7/8	0.57	14

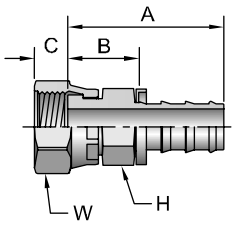
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

3JC82

Female Seal-Lok® - Swivel - Short

ISO 12151-1 - SWSA

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	C inch	C mm	H inch	W inch	B inch	B mm	Additional Material Brass (B)	Additional Material Stainless Steel (C)
3JC82-4-4	1/4	9/16x18	1/4	1.40	36	0.32	8	9/16	11/16	0.65	17		•
3JC82-6-6	3/8	11/16x16	3/8	1.59	40	0.38	10	11/16	13/16	0.69	18		•
3JC82-6-6SM	3/8	11/16x16	3/8	1.59	40	0.38	10	19mm	22mm	0.69	18		
3JC82-8-6	1/2	13/16x16	3/8	1.65	42	0.38	10	13/16	15/16	0.76	19		
3JC82-8-8	1/2	13/16x16	1/2	1.80	46	0.43	11	13/16	15/16	0.75	19		•
3JC82-10-10	5/8	1x14	5/8	2.40	61	0.53	13	15/16	1-1/8	0.95	24		
3JC82-12-12	3/4	1-3/16x12	3/4	2.63	67	0.57	14	1-1/8	1-3/8	1.18	30		•
3JC82-16-16	1	1-7/16x12	1	2.61	66	0.58	15	1-3/8	1-5/8	1.16	29	•	•



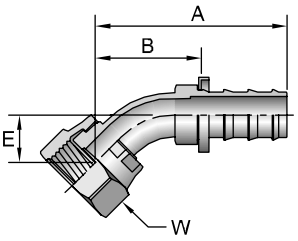
When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

3J782

Female Seal-Lok® - Swivel - 45˚ Elbow

ISO 12151-1 - SWE45

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
3J782-4-4	1/4	9/16x18	1/4	1.74	44	0.39	10	11/16	0.99	25
3J782-6-6	3/8	11/16x16	3/8	1.99	51	0.43	11	13/16	1.09	28
3J782-8-8	1/2	13/16x16	1/2	2.41	61	0.59	15	15/16	1.36	35

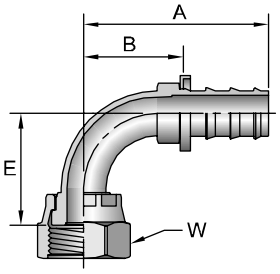


3J982

Female Seal-Lok® - Swivel - 90˚ Elbow - Short Drop

ISO 12151-1 - SWES90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
3J982-4-4	1/4	9/16x18	1/4	1.55	39	0.83	21	11/16	0.80	20
3J982-6-6	3/8	11/16x16	3/8	1.85	47	0.91	23	13/16	0.95	24
3J982-6-8	3/8	11/16x16	1/2	2.09	53	0.91	23	13/16	1.04	26
3J982-8-6	1/2	13/16x16	3/8	1.94	49	1.14	29	15/16	1.04	26
3J982-8-8	1/2	13/16x16	1/2	2.16	55	1.14	29	15/16	1.11	28
3J982-10-10	5/8	1x14	5/8	2.76	70	1.26	32	1-1/8	1.31	33
3J982-12-12	3/4	1-3/6x12	3/4	3.27	83	1.89	48	1-3/8	1.82	46

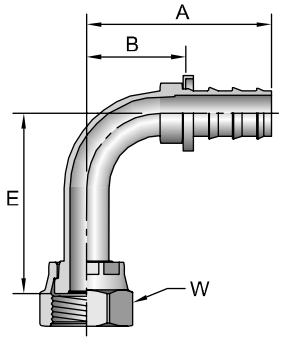


3J182

Female Seal-Lok® - Swivel - 90˚ Elbow - Long Drop

ISO 12151-1 - SWEL90

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
3J182-6-6	3/8	11/16x16	3/8	1.85	47	2.13	54	13/16	0.95	24
3J182-8-8	1/2	13/16x16	1/2	2.16	55	2.52	64	15/16	1.11	28

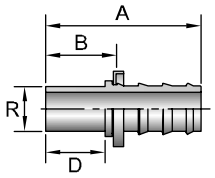


See Accessories for O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

33482

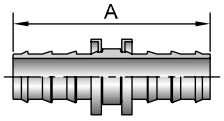
Male Standpipe - Rigid - (Inch Size Tube O.D.)



# Part Number	R inch	Hose I.D. inch	A inch	A mm	D inch	D mm	B inch	B mm	Additional Material Brass (B)	Additional Material Stainless Steel (C)
33482-4-4	1/4	1/4	1.89	48	1.02	26	1.14	29	•	•
33482-5-4	5/16	1/4	1.93	49	1.08	27	1.18	30	•	
33482-6-6	3/8	3/8	2.23	57	1.22	31	1.33	34	•	•
33482-8-8	1/2	1/2	2.16	55	0.97	25	1.11	28	•	•
33482-10-10	5/8	5/8	2.62	67	1.00	25	1.17	30	•	
33482-12-12	3/4	3/4	2.62	67	1.00	25	1.17	30	•	•

38282

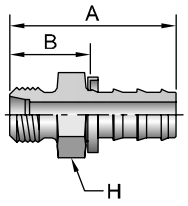
Push-Lok Union



# Part Number	Hose I.D. inch	A inch	A mm	Additional Material Brass (B)
38282-4-4	1/4	1.80	46	•
38282-6-6	3/8	2.15	55	•
38282-8-8	1/2	2.51	64	•
38282-10-10	5/8	3.31	84	•
38282-12-12	3/4	3.31	84	•
38282-16-16	1	3.31	84	•

3D082

Male Metric L - Rigid - (24˚ Cone)



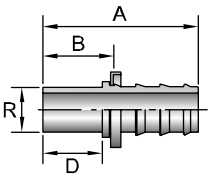
# Part Number	Thread mm		Hose I.D. inch	A inch	A mm	H mm	B inch	B mm
3D082-6-4	6	M12x1,5	1/4	1.34	34	12	0.55	14
3D082-8-4	8	M14x1,5	1/4	1.38	35	14	0.59	15
3D082-10-6	10	M16x1,5	3/8	1.57	40	17	0.63	16
3D082-12-6	12	M18x1,5	3/8	1.61	41	19	0.67	17

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

31D82

Male Standpipe Metric L - Rigid

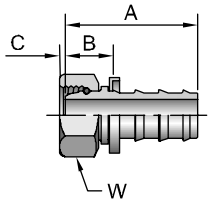
# Part Number	R	Hose I.D.	A		D		B	
	mm	inch	inch	mm	inch	mm	inch	mm
31D82-6-4	6	1/4	1.73	44	0.87	22	0.98	25
31D82-8-4	8	1/4	1.73	44	0.87	22	0.98	25
31D82-10-6	10	3/8	1.93	49	0.91	23	1.02	26
31D82-12-6	12	3/8	1.93	49	0.91	23	1.06	27
31D82-15-8	15	1/2	2.17	55	0.98	25	1.10	28
31D82-18-10	18	5/8	2.64	67	1.02	26	1.10	28
31D82-22-12	22	3/4	2.72	69	1.10	28	1.22	31



39282

Female BSP Parallel Pipe - Swivel - (60˚ Cone)

# Part Number	Thread	Hose I.D.	A		C		W	B		Additional Material Brass (B)
	inch	inch	inch	mm	inch	mm	mm	inch	mm	
39282-4-4	1/4x19	1/4	1.34	34	0.22	6	17	0.55	14	
39282-6-6	3/8x19	3/8	1.50	38	0.26	7	19	0.55	14	•
39282-8-8	1/2x14	1/2	1.77	45	0.28	7	27	1.06	27	
39282-12-12	3/4x14	3/4	2.13	54	0.35	9	36	1.42	36	

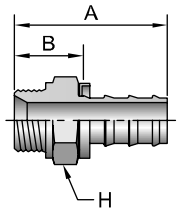


When measuring overall length to the end of the nut, B + C dimensions must be used to calculate cut-off allowances.

3D982

Male BSP Parallel Pipe - Rigid - (60˚ Cone)

# Part Number	Hose I.D.	A		H	B	
	inch	inch	mm	mm	inch	mm
3D982-2-4	1/4	1.42	36	14	0.63	16
3D982-4-4	1/4	1.61	41	19	0.83	21
3D982-4-6	3/8	1.77	45	19	0.83	21
3D982-6-6	3/8	1.77	45	22	0.87	22
3D982-8-8	1/2	2.09	53	27	0.98	25
3D982-8-10	5/8	2.44	62	27	0.94	24
3D982-12-12	3/4	2.56	65	32	1.06	27

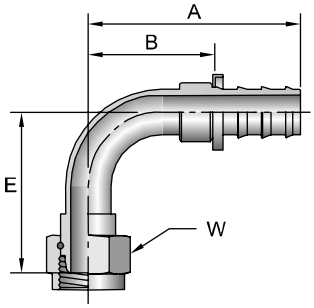


Bonded seal required if fitting is used directly in a port. See Accessories Section.

3B282

Female BSP Parallel Pipe - Swivel - 90˚ Elbow - (60˚ Cone)

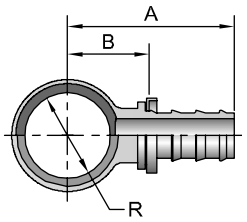
# Part Number	Thread	Hose I.D.	A		E		W	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
3B282-4-4	1/4x19	1/4	1.65	42	1.02	26	17	1.02	26
3B282-6-6	3/8x19	3/8	2.09	53	1.18	30	19	1.18	30
3B282-8-8	1/2x14	1/2	2.56	65	1.57	40	27	1.57	40
3B282-10-10	5/8x14	5/8	2.99	76	1.57	40	30	1.57	40



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

34982

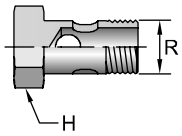
DIN Metric Banjo



# Part Number	R mm	Hose I.D. inch	A inch	A mm	B inch	B mm
34982-8-4	8	1/4	1.42	36	0.63	16
34982-10-4	10	1/4	1.50	38	0.71	18
34982-12-4	12	1/4	1.57	40	0.79	20
34982-12-6	12	3/8	1.73	44	0.79	20
34982-14-4	14	1/4	1.65	42	0.87	22
34982-14-6	14	3/8	1.85	47	0.91	23
34982-16-6	16	3/8	1.93	49	0.98	25
34982-18-8	18	1/2	2.17	55	1.06	27

AM

Banjo Bolt with DIN Metric Thread



# Part Number	R Thread mm		H mm	Copper Washer (2)
AM-03	8	M8x1	12	853009-8
AM-04	10	M10x1	14	853009-10
AM-06	12	M12x1.5	17	853009-12
AM-08	14	M14x1.5	19	853009-14
AM-10	16	M16x1.5	22	853009-16
AM-13	18	M18x1.5	24	853009-18
AM-16	22	M22x1.5	27	853009-22
AM-20	26	M26x1.5	32	853009-26
AM-30	30	M30x1.5	36	853009-30

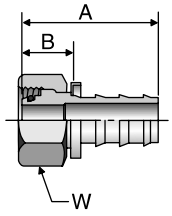
Two (2) copper washers per bolt must be ordered separately.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

3CA82

Female Metric L - Swivel - (24° Cone with O-Ring)
ISO 12151-2 - SWS

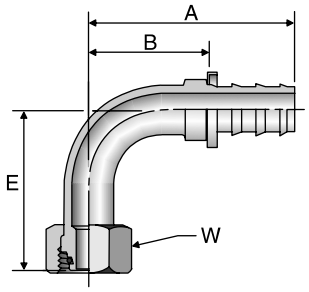
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W mm	B inch	B mm
3CA82-8-4	8	M14x1,5	1/4	1.42	36	17	0.67	17
3CA82-10-6	10	M16x1,5	3/8	1.57	40	19	0.67	17
3A82-10-6B	10	M16x1,5	3/8	1.57	40	19	0.67	17
3A82-12-6	12	M18x1,5	3/8	1.57	40	22	0.67	17
3A82-15-8	15	M22x1,5	1/2	1.73	44	27	0.71	18
3A82-22-12	22	M30x2	3/4	2.28	58	36	0.83	21



3CF82

Female Metric L - Swivel - 90° Elbow - (24° Cone with O-Ring)
ISO 12151-2 - SWE

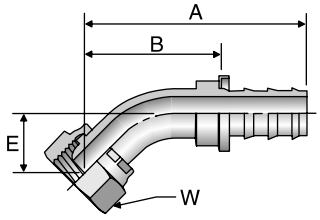
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
3CF82-8-4	8	M14x1,5	1/4	1.65	42	1.26	32	17	0.91	23
3CF82-10-6	10	M16x1,5	3/8	1.93	49	1.38	35	19	1.06	27
3CF82-10-6B	10	M16x1,5	3/8	1.93	49	1.38	35	19	1.06	27
3CF82-12-6	12	M18x1,5	3/8	1.93	49	1.42	36	22	1.06	27
3CF82-15-8	15	M22x1,5	1/2	2.28	58	1.61	41	27	1.26	32
3CF82-22-12	22	M30x2	3/4	3.46	88	2.17	55	36	2.01	51



3C482

Female Metric L - Swivel - 45° Elbow - (Ball Nose)
ISO 8434-1

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
3C482-8-4B	8	M14x1,5	1/4	2.01	51	0.63	16	17	1.26	32
3C482-10-6B	10	M16x1,5	3/8	2.28	58	0.71	18	19	1.38	35
3C482-15-8B	15	M22x1,5	1/2	2.68	68	0.75	19	27	1.61	41
3C482-22-12	22	M30x2	3/4	3.46	88	0.91	23	36	2.05	52

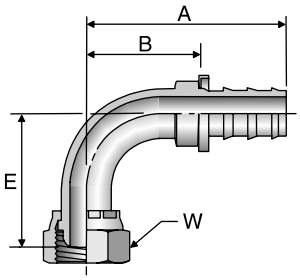


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

3C582

Female Metric L - Swivel - 90° Elbow - (Ball Nose)

ISO 8434-1

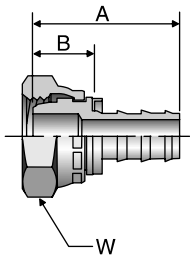


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	W mm	B inch	B mm
3C582-8-4B	8	M14x1,5	1/4	1.65	42	1.14	29	17	0.91	23
3C582-10-6B	10	M16x1,5	3/8	1.93	49	1.30	33	19	1.06	27
3C582-15-8B	15	M22x1,5	1/2	2.36	60	1.54	39	27	1.34	34
3C582-22-12B	22	M30x2	3/4	3.46	88	1.97	50	36	2.01	51

3C382

Female Metric L - Swivel - (Ball Nose)

ISO 8434-1



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W mm	B inch	B mm
3C382-8-4B	8	M14x1,5	1/4	1.42	36	19	0.63	16
3C382-10-6B	10	M16x1,5	3/8	1.50	38	19	0.59	15
3C382-15-8B	15	M22x1,5	1/2	1.65	42	27	0.59	15
3C382-22-12B	22	M30x2	3/4	2.09	53	36	0.67	17

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

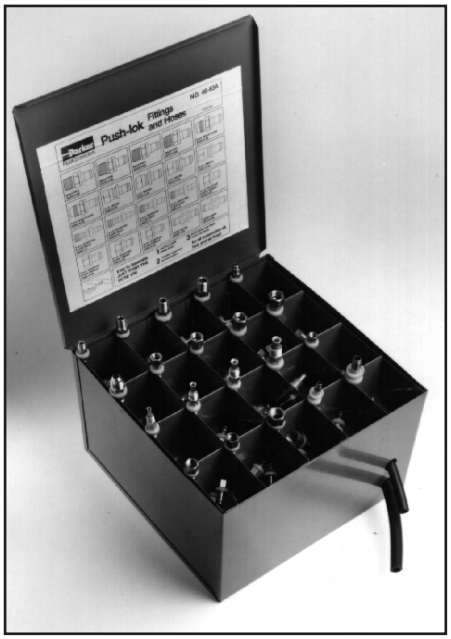
Parker Push-Lok® Kits

Parker Push-Lok Kits are for industrial and automotive maintenance and repair shops. They provide a low-cost inventory of Push-Lok hose and fittings packaged in a sturdy metal container. They save time and money on hose line replacements for water, air lubricating oils, anti-freeze solutions and vacuum applications.

Part No. 4-83A

Kit Contents	Quantity
Bulk Hose	
831-4 (1/4" I.D.)	10 ft.
Male Pipe	
30182-2-4B	4
30182-4-4B	2
Female Pipe	
30282-4-4B	2
Male SAE 45˚	
30482-4-4B	1
30482-5-4B	2
SAE (JIC) 37˚ Female Swivel	
30682-4-4B	4
30682-5-4B	2

Kit Contents	Quantity
Male Inverted Swivel	
32882-3-4	1
32882-4-4	4
32882-5-4	4
Female Inverted Rigid	
32981-3-4B	1
32982-4-4B	2
32982-5-4B	4
Straight Tube	
33482-4-4B	2
33482-5-4B	2
Hose Union	
38282-4-4B	2



Part No. 46-83A

Kit Contents	Quantity
Hose	
831-4 (1/4" I.D.)	24 ft.
831-6 (3/8" I.D.)	24 ft.
Male Pipe	
30182-2-4B	8
30182-4-4B	5
30182-4-6B	5
30182-6-6B	6
Male SAE 45˚	
30482-4-4B	2
30482-6-6B	3
SAE (JIC) 37˚ Female Swivel	
30682-6-6B	5
SAE 45˚ Swivel	
30882-4-4B	5
30882-5-4B	5
30882-6-6B	5

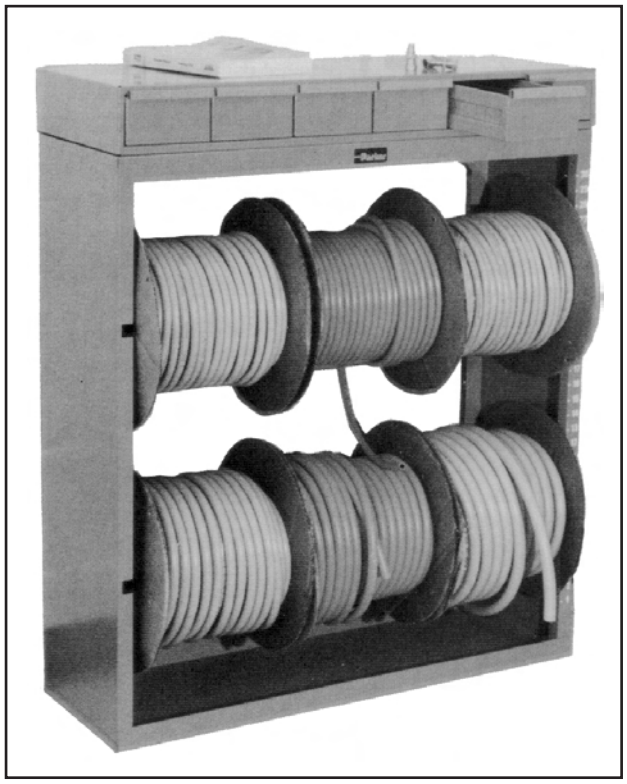
Kit Contents	Quantity
Male Inverted Swivel	
32882-3-4	3
32882-4-4	5
32882-5-4	5
32882-6-6	3
Female Inverted Rigid	
32982-3-4B	3
32982-4-4B	3
32982-5-4B	5
32982-6-6B	3
Hose Union	
38282-4-4B	4
38282-6-6B	2

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Parker Push-Lok® Merchandiser

PLM-1 (801 Multi-Purpose Hose)

The Push-Lok® Merchandiser is an ideal method of displaying Push-Lok in will-call areas, maintenance shops, or other areas where air lines are fabricated.



Features

• PLM -1

Hose	Quantity	Size
801-4	300 Feet	1/4” I.D.
801-6	375 Feet	3/8” I.D.
801-8	100 Feet	1/2” I.D.

- 25 each of the following fittings:

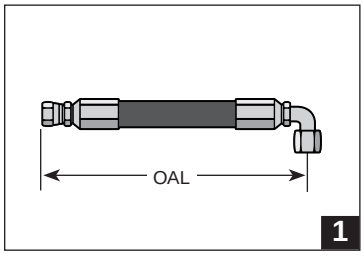
30182-4-4B	30682-4-4B	30882-6-6B
30182-6-6B	30682-6-6B	
30182-8-8B	30682-8-8B	

- Fitting drawers to store up to 18 different styles/ sizes of fittings.
- TH11-1 hand held hose cutter.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

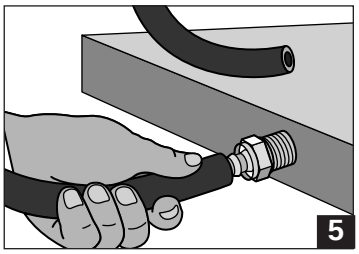
82 Series

Assembly Instructions

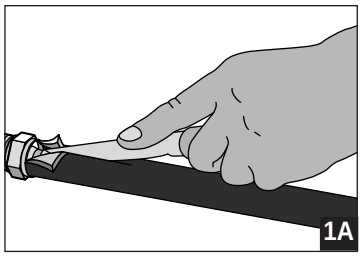


OAL : Straight to 90˚ Elbow

1. Identify over all length (OAL) of hose assembly and the cut off allowance (COA) length of fitting(s) on hose ends by use of the fitting data table.
2. Properly measure and mark hose. Cut hose squarely with a Parker Push-Lok cut-off tool or a sharp knife.
3. Lubricate the Push-Lok fitting, hose I.D., or both with light oil or soapy water only - DO NOT USE HEAVY OIL OR GREASE.
4. Insert fitting into hose until first barb is in the hose.
5. Place end fitting against a flat object such as a work bench or wall. Grip hose approximately one inch from end and push with a steady force until the end of the hose is covered by the yellow plastic cap.

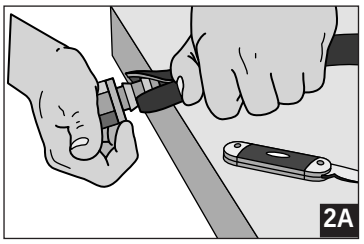


Disassembly Instructions



1A. Leave fitting in place, and cut hose approximately one inch lengthwise from the yellow plastic cap. IMPORTANT: Be careful not to nick barbs when cutting hose.

2A. Grip hose firmly and give it a sharp downward tug away from the fitting for disassembly.



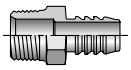
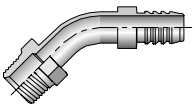
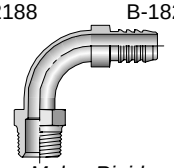
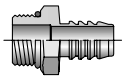
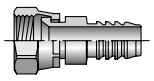
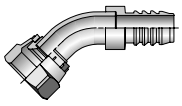
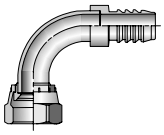
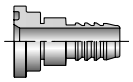
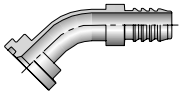
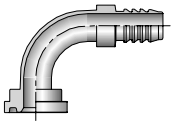
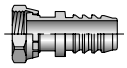
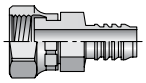
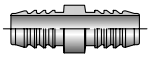
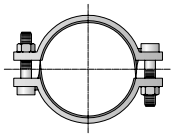
Caution: Insert the Push-Lok fitting all the way into the Push-Lok hose until the cut end is concealed by the yellow plastic cap.

Caution: Sealing integrity may be damaged by use of exterior clamps.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL:
PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 440 / 943-5700
FAX: 440 / 943-3129
http://www.parkerhose.com

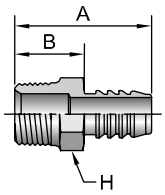
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	0188 B-182  *Male - Rigid*	3188 B-182  *Male - Rigid 45˚ Elbow*	2188 B-182  *Male - Rigid 90˚ Elbow*	**Straight Thread**	0588 B-182  *Male - Rigid*
JIC 37˚	0688 B-183  *Female - Swivel*	3788 B-183  *Female - Swivel*	3988 B-183  *Female - Swivel*	**Flange**	1588 B-183  *Flange Heads*
1788 B-184  *45˚ Elbow*	1988 B-184  *90˚ Elbow*	**Seal-Lok® (O-Ring Face Seal)**	JS88 B-184  *Female - Swivel Long*	JC88 B-184  *Female - Swivel Short*	**Union**
8888 B-185  *Union*	**81 Series Crimp Shell**	81 Series consists of a 10081 crimp shell and is completed by adding any 88 Series fittings.	10081 B-185 *81 Series Crimp Shell*	**Hose Clamp**	88HC B-185 *Hose Clamp*
88HC-H B-185 *Hose-Clamp*	88DB B-185  *Heavy Duty Clamp*	**Assembly Instructions**	88 Series Assembly Instructions B-186	81 Series Assembly Instructions - See Section C for crimping instructions.	

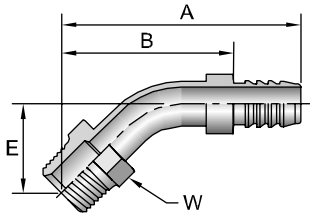
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

0188
Male NPTF Pipe - Rigid



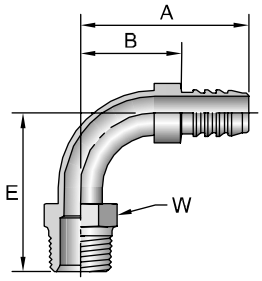
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
0188-12-12	3/4x14	3/4	2.25	57	1-1/8	1.13	29
0188-16-16	1x11-1/2	1	2.75	70	1-3/8	1.37	35
0188-20-20	1-1/4x11-1/2	1-1/4	3.05	77	1-3/4	1.47	37
0188-20-24	1-1/4x11-1/2	1-1/2	3.21	82	1-3/4	1.47	37
0188-24-24	1-1/2x11-1/2	1-1/2	3.24	82	2	1.50	38
0188-32-32	2x11-1/2	2	3.49	89	2-1/2	1.66	42

3188
Male NPTF Pipe - Rigid - 45˚ Elbow



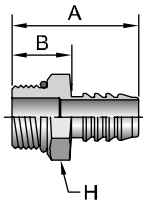
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
3188-16-16	1x11-1/2	1	4.12	105	1.63	41	1-3/8	2.74	70
3188-20-20	1-1/4x11-1/2	1-1/4	4.54	115	1.77	45	1-3/4	2.96	75

2188
Male NPTF Pipe - Rigid - 90˚ Elbow



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
2188-12-12	3/4x14	3/4	2.83	72	2.67	68	1-1/8	1.70	43
2188-16-16	1x11-1/2	1	3.35	85	3.18	81	1-3/8	1.97	50
2188-20-20	1-1/4x11-1/2	1-1/4	3.80	97	3.41	87	1-3/4	2.21	56
2188-24-24	1-1/2x11-1/2	1-1/2	4.20	107	3.61	92	2	2.46	62
2188-32-32	2x11-1/2	2	4.86	123	4.23	107	2-1/2	3.03	77

0588
Male SAE Straight Thread with O-Ring - Rigid



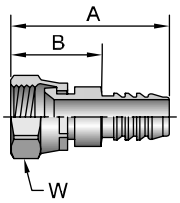
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
0588-12-12	1-1/16x12	3/4	2.13	54	1-1/4	1	25
0588-16-16	1-5/16x12	1	2.38	60	1-1/2	1	25
0588-20-20	1-5/8x12	1-1/4	2.59	66	1-7/8	1	25

See page B-185 for 81 Series crimp shells and clamps for 88 Series fittings.
See Equipment Section for assembly and crimping instructions.
See Section D for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

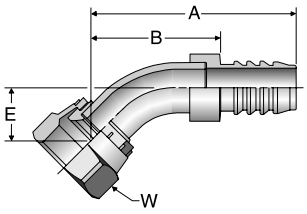
0688
Female JIC 37˚ - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
0688-12-12	3/4	1-1/16x12	3/4	2.66	68	1-1/4	1.53	39
0688-16-12	1	1-5/16x12	3/4	1.86	47	1-1/2	1.38	35
0688-16-16	1	1-5/16x12	1	2.72	69	1-1/2	1.34	34
0688-20-20	1-1/4	1-5/8x12	1-1/4	3.34	85	2	1.75	44
0688-24-24	1-1/2	1-7/8x12	1-1/2	3.67	93	2-1/4	1.93	49
0688-32-32	2	2-1/2x12	2	4.14	105	2-7/8	2.31	59



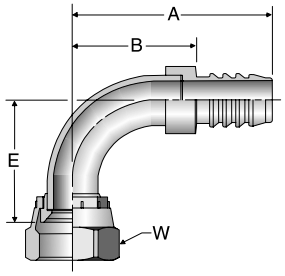
3788
Female JIC 37° - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
3788-12-12	3/4	1-1/16x12	3/4	3.07	78	1-1/4	1.94	49
3788-16-16	1	1-5/16x12	1	3.51	89	1-1/2	2.13	54
3788-20-20	1-1/4	1-5/8x12	1-1/4	3.97	101	2	2.38	60



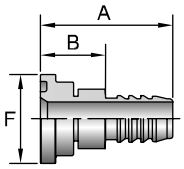
3988
Female JIC 37° - Swivel

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
3988-12-12	3/4	1-1/16x12	3/4	2.98	76	1-1/4	1.85	47
3988-16-16	1	1-5/16x12	1	3.48	88	1-1/2	2.10	53
3988-20-20	1-1/4	1-5/8x12	1-1/4	3.81	97	2	2.22	56
3988-24-24	1-1/2	1-7/8x12	1-1/2	4.21	107	2-1/4	2.47	63



1588
SAE Code 61 Flange Head
ISO 12151-3 - S - L

# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	F inch	B inch	B mm
1588-16-16	1	1	2.57	65	1-3/4	1.19	30
1588-20-20	1-1/4	1-1/4	3.37	86	2	1.78	4
1588-24-24	1-1/2	1-1/2	3.78	96	2-3/8	2.04	52
1588-32-32	2	2	4.32	110	2-13/16	2.49	63



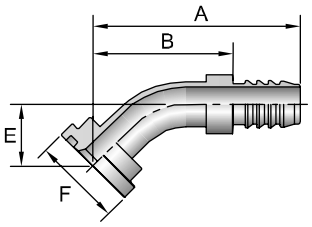
See page B-185 for 81 Series crimp shells and clamps for 88 Series fittings.
See Equipment Section for assembly and crimping instructions.
See Accessories Section for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

1788

SAE Code 61 Flange Head - 45˚ Elbow

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

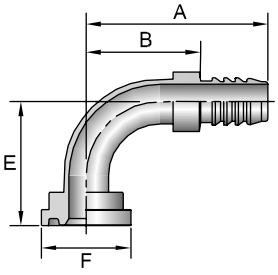


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1788-16-16	1	1	3.55	90	1.06	27	1-3/4	2.17	55
1788-20-20	1-1/4	1-1/4	3.90	99	1.13	29	2	2.31	59
1788-24-24	1-1/2	1-1/2	4.15	105	1.11	28	2-3/8	2.41	61
1788-32-32	2	2	4.58	116	1.25	32	2-13/16	2.75	70

1988

SAE Code 61 Flange Head - 90˚ Elbow

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

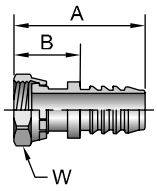


# Part Number	Flange inch	Hose I.D. inch	A inch	A mm	E inch	E mm	F inch	B inch	B mm
1988-16-16	1	1	3.35	85	2.37	60	1-3/4	1.97	50
1988-20-20	1-1/4	1-1/4	3.80	97	2.50	64	2	2.21	56
1988-24-24	1-1/2	1-1/2	4.20	107	2.74	70	2-3/8	2.46	62
1988-32-32	2	2	4.86	123	3.19	81	2-13/16	3.03	77

JS88

Female Seal-Lok® - Swivel - Long

ISO - 12151-1 - SWSB

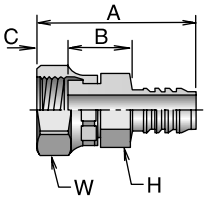


# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	W inch	B inch	B mm
JS88-20-20	1-1/4	1-11/16x12	1-1/4	3.21	82	1-7/8	1.15	29
JS88-24-24	1-1/2	2x12	1-1/2	3.47	88	2-1/4	1.73	44

JC88

Female Seal-Lok - Swivel - Short

ISO 12151- 1 - SWSA



# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	C inch	H inch	W inch	B inch	B mm
JC88-12-12	3/4	1-3/16x12	3/4	2.80	71	0.57	1-1/8	1-3/8	1.70	43
JC88-16-12	1	1-7/16x12	3/4	2.82	72	0.58	1-3/8	1-5/8	1.69	43
JC88-16-16	1	1-7/16x12	1	3.07	78	0.59	1-3/8	1-5/8	1.69	43
JC88-20-16	1-1/4	1-11/16x12	1	3.08	78	0.59	1-7/8	1-5/8	1.70	43
JC88-20-20	1-1/4	1-11/16x12	1-1/4	3.29	84	0.59	1-7/8	1-7/8	1.70	43

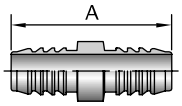
When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

See page B-185 for 81 Series crimp shells and clamps for 88 Series fittings.
See Equipment Section for assembly and crimping instructions.
See Accessories Section for Flange Kits and O-Rings.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

8888
Union (Hose Splicer)

# Part Number	Hose I.D. inch	A inch	A mm
8888-12-12	3/4	2.70	67
8888-16-16	1	3.21	82
8888-20-20	1-1/4	3.61	92
8888-24-24	1-1/2	3.92	100
8888-32-32	2	4.04	103



88HC
Hose Clamp (Worm Gear)

# Part Number	Hose I.D. inch
88HC-12	3/4
88HC-16	1
88HC-20	1-1/4
88HC-24	1-1/2
88HC-32	2

88HC-H
Hose Clamp (High Torque Worm Gear)

# Part Number	Hose I.D. inch
88HC-12H	3/4
88HC-16H	1
88HC-20H	1-1/4
88HC-24H	1-1/2
88HC-32H	2

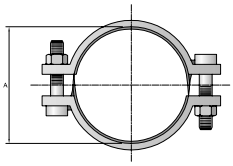
10081
Crimp Shell

# Part Number	Hose I.D. inch
10081-12	3/4
10081-16	1
10081-20	1-1/4
10081-24	1-1/2
10081-32	2

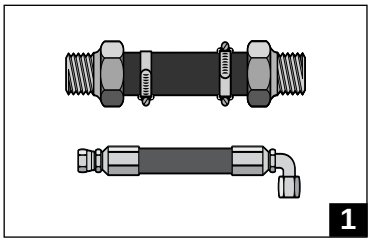
81 Series consists of a 10081 crimp shell and is completed by adding any 88 Series Fittings. See Equipment Section for complete 81 Series Assembly and Crimping instructions.

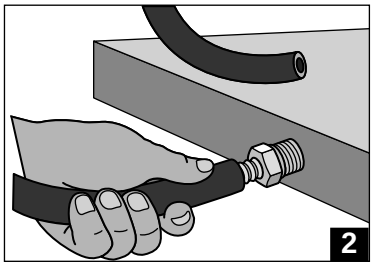
88DB
Heavy Hose Clamp (Double Bolt)

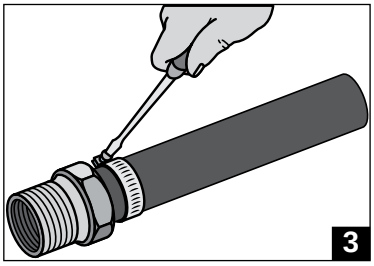
# Part Number	Hose I.D. inch
88DB-12	3/4
88DB-16	1
88DB-20	1-1/4
88DB-24	1-1/2
88DB-32	2

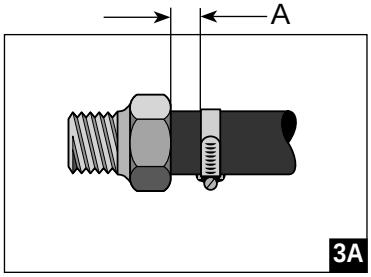


Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com









88 Series

Hose Assembly Instructions

1. Identify Over All Length (OAL) of hose assembly and the Cut Off Allowance (COA) length of fitting(s) by use of the fitting data table. Properly measure and mark hose. Cut hose cleanly and squarely to length. Trim any exposed wire reinforcement to prevent injury in service.

2. Slide clamp(s) onto hose and lubricate hose. Push hose onto fitting until hose bottoms against stop ring or hex.

3. Position hose clamp(s) as shown and secure with a screwdriver or wrench. Maintain “A” dimensions as shown below for proper clamp positioning of both HC clamps and HC-H clamps.

3A. Evenly attach double bolt clamps for maximum grip.

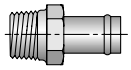
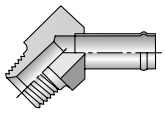
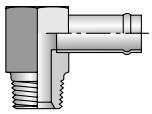
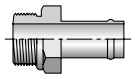
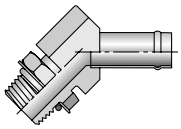
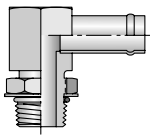
Hose I.D. inch	A inch	A mm
-12	1/4	6.35
-16	3/8	9.53
-20	3/8	9.53
-24	1/2	12.70
-32	1/2	12.70

Note: For permanent installation of 88 Series Fittings, an 81 Series Crimp Shell must be added. See Equipment Section for assembly and crimping instructions.

IF YOU HAVE QUESTIONS CONCERNING THE PRODUCTS OR APPLICATION OF THE PRODUCTS CONTAINED IN THIS CATALOG, PLEASE CALL:

PARKER HOSE PRODUCTS DIVISION
TECHNICAL SERVICES DEPARTMENT
PHONE: 440-943-5700
FAX: 440-943-3129
http://www.parkerhose.com

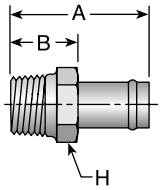
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

NPTF Pipe	01TB B-188  *Male - Rigid*	31TB B-188  *Male - Rigid 45˚ Elbow*	21TB B-188  *Male - Rigid 90˚ Elbow*	***SAE Straight Thread***	05TB B-189  *Male - Rigid*
35TB B-189  *Male - Rigid 45˚ Elbow*	25TB B-189  *Male - Rigid 90˚ Elbow*	***Clamp***	Clamp B-185 *Wormgear*		

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

01TB

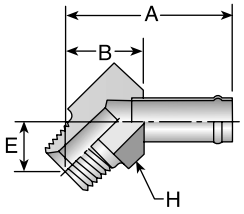
Male NPTF Pipe - Rigid



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
01TB-4-6	1/4x18	3/8	2.09	53	5/8	0.96	24
01TB-6-8	3/8x18	1/2	2.12	54	3/4	0.96	24
01TB-8-10	1/2x14	5/8	2.31	59	7/8	1.15	29
01TB-8-12	1/2x14	3/4	2.31	59	1	1.15	29
01TB-12-12	3/4x14	3/4	2.13	54	1-1/8	0.97	24
01TB-16-16	1x11-1/2	1	2.69	68	1-3/8	1.53	39
01TB-20-20	1-1/4x11-1/2	1-1/4	2.84	72	1-3/4	1.34	34
01TB-24-24	1-1/2x11-1/2	1-1/2	3.25	83	2	1.50	38
01TB-32-32	2x11-1/2	2	3.53	90	2-5/8	1.78	45

31TB

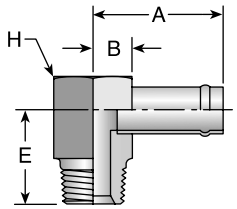
Male NPTF Pipe - Rigid - 45˚ Elbow



# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	B inch	B mm
31TB-6-8	3/8x18	1/2	2.54	65	0.69	18	7/8	1.04	26
31TB-8-10	1/2x14	5/8	2.68	68	0.82	21	1	1.18	30
31TB-8-12	1/2x14	3/4	2.78	71	0.82	21	1-1/4	1.28	33
31TB-12-12	3/4x14	3/4	2.82	72	0.86	22	1-1/4	1.32	34
31TB-12-16	3/4x14	1	3.01	76	0.86	22	1-1/2	1.38	35
31TB-16-16	1x11-1/2	1	3.19	81	1.04	26	1-1/2	1.56	40
31TB-20-20	1-1/4x11-1/2	1-1/4	3.26	83	0.99	25	1-7/8	1.59	40

21TB

Male NPTF Pipe - Rigid - 90˚ Elbow



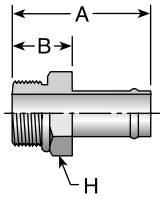
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	B inch	B mm
21TB-6-8	3/8x18	1/2	1.94	49	1.22	31	7/8	0.44	11
21TB-8-10	1/2x14	5/8	2.03	52	1.47	37	1-1/16	0.53	13
21TB-8-12	1/2x14	3/4	2.16	55	1.59	40	1-5/16	0.66	17
21TB-12-12	3/4x14	3/4	2.16	55	1.59	40	1-5/16	0.66	17
21TB-12-16	3/4x14	1	2.44	62	1.59	40	1-5/8	0.81	21
21TB-16-14	1x11-1/2	7/8	2.31	59	1.97	50	1-5/8	0.81	21
21TB-16-16	1x11-1/2	1	2.44	62	1.97	50	1-5/8	0.81	21

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

05TB

Male SAE Straight Thread with O-Ring - Rigid

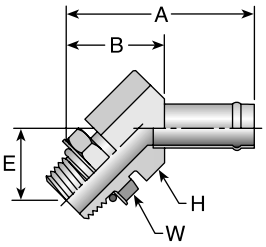
# Part Number	Thread inch	Hose I.D. inch	A inch	A mm	H inch	B inch	B mm
05TB-6-6	9/16x18	3/8	1.94	49	11/16	0.69	18
05TB-8-8	3/4x16	1/2	2.00	51	7/8	0.75	19
05TB-8-10	3/4x16	5/8	2.00	51	7/8	0.75	19
05TB-10-10	7/8x14	5/8	2.06	52	1	0.81	21
05TB-12-12	1-1/16x12	3/4	2.25	57	1-1/4	1.00	25
05TB-16-16	1-5/16x12	1	2.38	60	1-1/2	1.00	25
05TB-20-20	1-5/8x12	1-1/4	2.50	64	1-7/8	1.00	25



35TB

Male SAE Straight Thread with O-Ring - Rigid - 45° Elbow

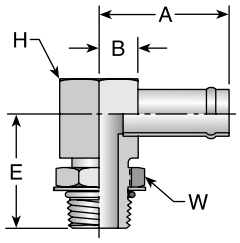
# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
35TB-8-8	1/2	3/4x16	1/2	2.79	71	0.93	24	7/8	7/8	1.29	33
35TB-10-10	5/8	7/8x14	5/8	2.80	71	0.93	24	1	1	1.28	33
35TB-12-12	3/4	1-1/16x12	3/4	3.18	81	1.22	31	1-1/4	1-1/4	1.68	43
35TB-16-16	1	1-5/16x12	1	3.45	88	1.30	33	1-1/2	1-1/2	1.82	46
35TB-20-16	1-1/4	1-5/8x12	1	3.57	91	1.34	34	1-7/8	1-7/8	1.94	49



25TB

Male SAE Straight Thread with O-Ring - Rigid - 90° Elbow

# Part Number	Thread inch		Hose I.D. inch	A inch	A mm	E inch	E mm	H inch	W inch	B inch	B mm
25TB-8-6	1/2	3/4x16	3/8	1.94	49	1.45	37	7/8	7/8	0.44	11
25TB-8-8	1/2	3/4x16	1/2	1.94	49	1.44	37	7/8	7/8	0.44	11
25TB-10-10	5/8	7/8x14	5/8	2.03	52	1.69	43	1-1/16	1	0.53	13
25TB-10-12	5/8	7/8x14	3/4	2.16	55	1.69	43	1-5/16	1	0.66	17
25TB-12-12	3/4	1-1/16x12	3/4	2.16	55	1.92	49	1-5/16	1-1/4	0.66	17
25TB-16-12	1	1-5/16x12	3/4	2.31	59	2.03	52	1-5/8	1-1/2	0.81	21
25TB-16-16	1	1-5/16x12	1	2.44	62	2.03	52	1-5/8	1-1/2	0.81	21
25TB-20-16	1-1/4	1-5/8x12	1	2.57	65	2.34	59	1-7/8	1-7/8	0.94	24
25TB-20-20	1-1/4	1-5/8x12	1-1/4	2.61	66	2.34	59	1-7/8	1-7/8	0.94	24



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Visual Index

Equipment

EQUIPMENT

Visit www.parkerhose.com to view CrimpSource®, the online resource for hose crimp specifications.

Minikrimp

Karrykrimp

Parkrimp 1

PHastkrimp

Minikrimp C-6

Karrykrimp C-8

Parkrimp 1 C-8

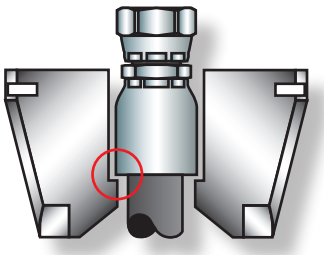
Karrykrimp 2 C-10

PHastkrimp C-10

Superkrimp C-12

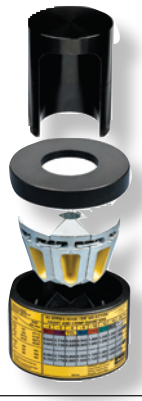
Parkrimp 2 C-14

Parkrimp and
Twin-Tough Instructions C-16-19



Pumps C-20

Conversion Kits C-21



332T-115V C-22

Hose Cut-Off Machine

239 and 339 C-22

Hose Cut-Off Machine

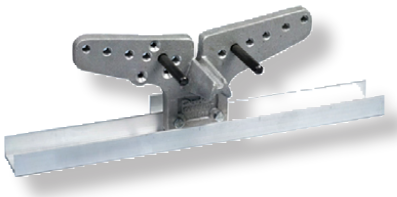
Continued

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

631075 C-22

Karrykut - Hose Cut-Off Machine

871522 C-22



Handycut - Hose Cut-Off Machine

881540 C-23

Push-Lok Cut-Off & Assembly Tool

316 C-23

Hose Cut-Off Tool

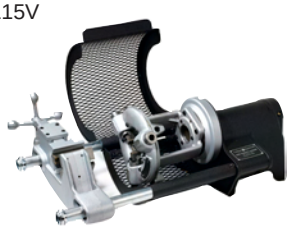
TH11-1 C-23

Hose Cut-Off Tool

TH9-1 C-24

Hose Insertion Depth Blocks

432-115V C-24



Hozembler

TH2-7 C-24

Fittings Push-On Stand

80C-0DR and 83C-0DR C-24

Die Storage Racks

80C-SDR C-25

Swivel Die Rack

601069 C-25

Hose Perforator

Hose Oil C-25

Hose Oil

Lubricant C-25

Accrolube - High Efficiency

652200 C-26

Mandrel Tool Kit - 22 Series

652201 C-26

Assembly Tools - 22 Series

2727 and 2726 C-26

Mandrel Tool Kit - 23 Series

TH2-7M25-6, TH2-7M25-8 C-26

Mandrels - 25 Series

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Assemblies Are Easy With the Parkrimp System.

Since its introduction in 1980, the Parkrimp family of crimping machines has led the industry in ease of use and rugged durability.

With Parkrimp, you benefit from a full length crimp.

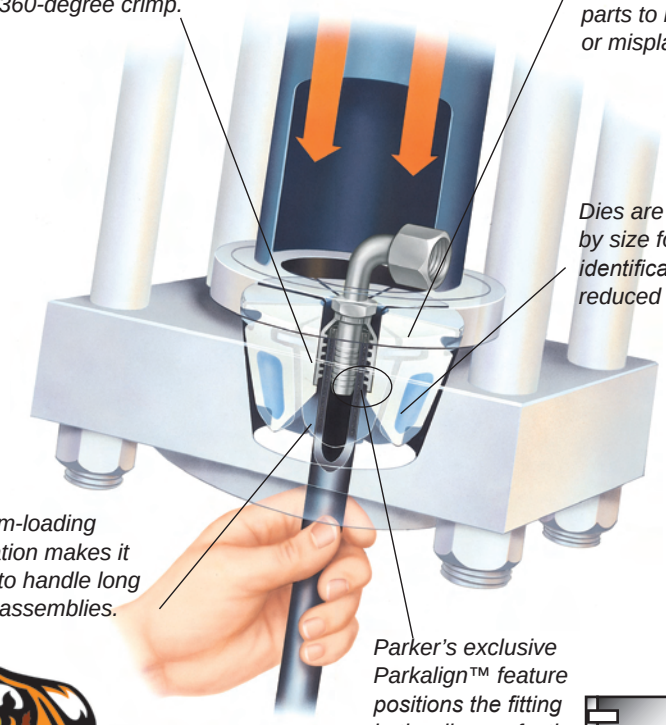
No-Skive hoses and fittings combine with the Parkrimp system to create high quality, reliable hydraulic hose assemblies every time.

Our low profile design makes routing hose assemblies easy.

When it comes to hose assemblies, no one puts it all together like Parker. From high-volume productivity to portable on-site assembly, we offer a variety of crimping machines, No-Skive hoses, and No-Skive fittings to meet your needs.

With Parkrimp equipment, anyone can make factory-quality hose assemblies quickly, easily, and cost effectively. Parkrimp machines are simple to operate. What's more, they're built to provide years of dependable service. Seven Parkrimp models – an entire family of crimpers – are available to meet your bench-mounted or portable needs, crimping straight or bent-stem fittings from 1/4" to 2" in diameter. Just use our No-Skive hoses and fittings to create leak-free hose assemblies whenever and wherever you need them.

The complete system from one source: No-Skive hose, No-Skive fittings, and crimping machines with worldwide availability and service.



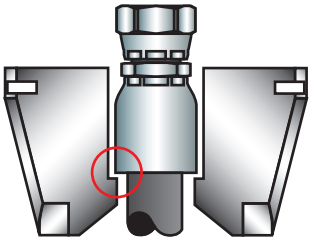
Eight segment crimp dies provide a smooth, even, 360-degree crimp.

Our linked crimp dies keep die segments together. No loose parts to mismatch or misplace.

Dies are color-coded by size for easy identification and reduced set-up time.

Bottom-loading operation makes it easy to handle long hose assemblies.

Parker's exclusive Parkalign™ feature positions the fitting in the dies perfectly every time.



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Selecting the right die.

Once the proper Parker Hose and Fitting is selected that meets your application requirements, you will need to select the proper die to assemble them together.

Based on the hose size and approved fitting, select the proper color coded die, as called out in the chart below.

Example:

Hose	451TC-4
Fitting	43 Series
Die Body Color	Silver
Die Cavity Color (-4)	RED

Based on the Parkrimp machine being used to assemble the hose and fitting, individual die part numbers and tooling selection for your assembly can be found in Section C of this catalog.

For general hose assembly instructions for all Parkrimp machines, please turn to pages C-16 and C-17. (An instructional video is a standard part of each Parkrimp machine shipped from the manufacturer.)

Parker Hose Products Division also offers a full line of crimping accessories, including conversion kits, cabinets, cut-off saws, push-on tables, die racks, and mandrel tool kits.

Hose Dash Size	Die Cavity Color Code	43 Series Die Body Color	70 & 71 Series Die Body Color	73, 78, S6 & 79 Series Die Body Color	76 Series Die Body Color	26 Series Die Body Color	81 Series Die Body Color
		Silver	Black	Olive Drab	Silver	Silver	Silver
-4	RED		N/A	N/A	N/A		N/A
-5	PURPLE		N/A	N/A	N/A		N/A
-6	YELLOW			N/A	N/A		N/A
-8	BLUE			N/A	N/A		N/A
-10	ORANGE			N/A	N/A		N/A
-12	GREEN						
-16	BLACK						
-20	WHITE				N/A		
-24	RED				N/A		
-32	GREEN				N/A		

Hose Dash Size	Die Cavity Color Code	HY Series Die Body Color
		Silver
-4	BROWN	
-5	BROWN	
-6	BROWN	
-8	BROWN	
-10	BROWN	
-12	BROWN	
-16	BROWN	

Reference pages C-6 through C-15 for specific tool information regarding hose, fitting, and crimper combinations.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Minikrimp™

Features

- Light weight, portable, compact all-in-one unit
- Handpump or air over hydraulic design
- Removable pusher design for easy die change out
- Reference page C-20 for information on available power units
- For use with 25, 26, 43, 81, and HY Series fittings
- Do not crimp stainless steel fittings

Specifications

- Dimensions: 6” wide, 13” deep, 15” high
- Weight: 42 lbs (with hand pump)
- Rating: 30 ton force @ 10,000 psi maximum
- Full Cycle Time: 30 seconds

Important

The Minikrimp was developed by Parker Hannifin Parflex Division but is compatible with Parker Hannifin Hose Products Division products. Refer to CrimpSource™ on *www.parkerhose.com* (the online resource for hose crimp specifications for the complete line of Parker crimping machines).
Any engineering and crimper performance issues pertaining to the Minikrimp should be directed to the Parflex Division, Technical Services Department, at (330) 296-2871 or fax, at (330) 296-8433.

Standard Equipment

Part Number		Description	Individual Part Number
94C- 001-PFD	94C- 002 -PFD		
●	●	Base unit	94C-080-PFD
●		Hand pump	015301
	●	Air over hydraulic pump kit with tubing and adapters	025411
●	●	Silver die ring	82C-R01-PFD

Optional Tooling

- Side Vise Mount (015736)
- Upright Table Mount (015306)
- Upright Vise Mount (015307)
- Black Die Ring (82C-R02-PFD)
- Connection Hose with Quick Coupling (015309)
- Bent Tube for Hand Pump Only (015308)
- Bent Tube for Air Over Hydraulic Pump Only (025349)

Note:
- For crimp instructions, see pages C-16 and C-17.
- Hose assemblies must be inspected for cleanliness and free of all foreign particles.
- Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Minikrimp™ Hose Die Selection Chart

Hose			Fittings	Hose/Die Selection and Crimp Diameters 8/07							
				– 4 RED	– 5 PUR	– 6 YEL	– 8 BLU	– 10 ORG	– 12 GRN	– 16 BLK	Die Ring
Die				80C-A04	80C-A05	80C-A06	80C-A08	80C-A10	80C-A12	80C-A16	
351TC 351ST 422 424 426	431 436 451TC 451ST 471TC	471ST 472TC 482TC 482ST	43 Series	0.645 0.665	0.710 0.730	0.825 0.845	0.945 0.965	1.060 1.080	1.245 1.265	1.590 1.610	Silver
421WC 302/301 301LT	304 341 381	601 604 881	43 Series	0.685 0.705	0.750 0.770	0.865 0.885	0.985 1.005	1.100 1.120	1.285 1.305	1.630 1.650	Black
Die				80C-E04	80C-E05	80C-E06	80C-E08	80C-E10	80C-E12	80C-E16	
213	221FR 285	293	26 Series	0.460 0.480	0.520 0.540	0.575 0.595	0.670 0.690	0.805 0.825	0.915 0.935	1.175 1.195	Silver
201 206	225 244	266	26 Series	0.500 0.520	0.560 0.580	0.615 0.635	0.710 0.730	0.845 0.865	0.955 0.975	1.215 1.235	Black
Die									80C-V12	80C-V16	
811	811HT	881	81 Series						1.155 1.175	1.450 1.470	Silver
Die				80C-H585		80C-H735	80C-H840	80C-H970	80C-H1120		
AX			HY Series	0.595 0.575		0.745 0.725	0.850 0.830	0.980 0.960	1.130 1.110		Silver
Die				80C-H605		80C-H775	80C-H885	80C-H1010	80C-H1170		
BXX			HY Series	0.655 0.635		0.825 0.805	0.935 0.915	1.060 1.040	1.220 1.200		Black

Parker Hannifin Corp.
Hose Products Divison
30240 Lakeland Blvd.
Wickliffe, Ohio 44092

Caution: Read the operations and technical manual before attempting to operate this machinery. Keep hands clear of moving parts when operating machine.

NOTE: Do not use this machine to assemble stainless steel fittings with any hose listed on this chart

For a new decal, contact Parker Catalog Services at: 1-800-C-PARKER.

Karrykrimp

Features

- Portable, compact rugged design
- Numerous power unit options available
- Pivoting pusher design for easy die change out
- For use with 25, 26, 43, 81, and HY Series fittings

Specifications

- Dimensions: 15” wide, 12” deep, 27” high
- Weight: 54 lbs (without power unit)
- Rating: 30 ton force @ 10,000 psi maximum
- Full Cycle Time: 30 seconds with electric pump
- Reference page C-20 for information on available power units

Standard Equipment

Part Number				Description	Individual Part Number
82C-001	82C-002	82C-061	82C-080		
●	●	●	●	Karrykrimp portable crimper (base unit)	82C-080
●	●	●		2 piece stand	832021
●				Hand pump	82C-0HP
●	●	●		Connection hose with quick coupling	82C-00L
●	●	●		Silver die ring	82C-R01
●	●	●		Black die ring	82C-R02
●	●			43 Series dies (sizes 1/4”, 3/8”, 1/2”, 3/4” and 1”)	80C-Axx

Parkrimp 1

Features

- Compact bench mount design
- Engineered for optimal durability
- All in one crimper and power unit design
- For use with 25, 26, 43, 81, and HY Series fittings

Specifications

- Dimensions: 26” wide, 20” deep, 25” high
- Weight: 275 lbs (with power unit)
- Rating: 30 ton force @ 3,000 psi maximum
- Full Cycle Time: 20 seconds
- Hydraulic Fluid: AW32 oil
- **Note:** Includes a 115/230 volt, 1 phase, 60 hertz power unit wired for 115V. This unit comes with a 20 AMP male plug and must be run on a dedicated 20 AMP circuit.

Standard Equipment

Part Number			Description	Individual Part Number
80C-101	80C-061	80C-181		
●	●	●	Parkrimp 1 crimper with 115/230 volt, 1 phase, 60 Hz power unit wired for 115V	80C-181
●	●		Silver die ring	80C-R01
●	●		Black die ring	80C-R02
●			43 Series dies (sizes 1/4”, 3/8”, 1/2”, 3/4” and 1”)	80C-Axx

Note:
- For crimp instructions, see pages C-16 and C-17.
- Hose assemblies must be inspected for cleanliness and free of all foreign particles.
- Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Parkrimp 1/Karrykrimp Hose Die Selection Chart

PN: PK1/KK HOSE DECAL Hose 8/07			Fittings	Hose/Die Selection and Crimp Diameters					PN:PK1/KK MASTER DECAL 8/07			
				– 4 RED	– 5 PUR	– 6 YEL	– 8 BLU	– 10 ORG	– 12 GRN	– 16 BLK	– 20 WHT	Die Ring
Die				80C-A04	80C-A05	80C-A06	80C-A08	80C-A10	80C-A12	80C-A16	80C-A20	
351TC 351ST 422 424 426	431 436 451TC 451ST 471TC	471ST 472TC 482TC 482ST	43 Series	0.645 0.665	0.710 0.730	0.825 0.845	0.945 0.965	1.060 1.080	1.245 1.265	1.590 1.610	1.970 1.990	Silver
421WC 302/301 301LT	304 341 381	601 604 881	43 Series	0.685 0.705	0.750 0.770	0.865 0.885	0.985 1.005	1.100 1.120	1.285 1.305	1.630 1.650	2.010 2.030	Black
Die				80C-E04	80C-E05	80C-E06	80C-E08	80C-E10	80C-E12	80C-E16		
213	221FR 285	293	26 Series	0.460 0.480	0.520 0.540	0.575 0.595	0.670 0.690	0.805 0.825	0.915 0.935	1.175 1.195		Silver
201 206	225 244	266 CAH	26 Series	0.500 0.520	0.560 0.580	0.615 0.635	0.710 0.730	0.845 0.865	0.955 0.975	1.215 1.235		Black
Die									80C-V12	80C-V16	80C-V20	
811	811HT	881	81 Series						1.155 1.175	1.450 1.470	1.740 1.760	Silver
Die				80C-H585		80C-H735	80C-H840	80C-H970	80C-H1120			
AX			HY Series	0.575 0.595		0.725 0.745	0.830 0.850	0.960 0.980	1.110 1.130			Silver
Die				80C-H605		80C-H775	80C-H885	80C-H1010	80C-H1170			
BXX			HY Series	0.635 0.655		0.805 0.825	0.915 0.935	1.040 1.060	1.200 1.220			Black

Parker Hannifin Corp.
Hose Products Divison
30240 Lakeland Blvd.
Wickliffe, Ohio 44092

Caution: Read the operations and technical manual before attempting to operate this machinery. Do not operate this machine without guard in place. Keep hands clear of moving parts when operating machine.

NOTE: Do not use these machines to assemble 341-20, 451TC-20, 451ST-20 or any size stainless steel fittings.

For a new decal, contact Parker Catalog Services at: 1-800-C-PARKER.

Karrykrimp 2

Features

- Portable, compact rugged design
- Numerous power unit options available
- Crimps both steel and stainless steel fittings
- For use with 25,26, 43, 70, 71, 73, 78, 81, and HY Series fittngs

Specifications

- Dimensions: 14” wide, 15” deep, 30” high
- Weight: 100 lbs (without power unit)
- Rating: 60 ton force @ 10,000 psi maximum
- Full Cycle Time: 20 seconds with electric pump
- Reference page C-20 for information on available power units

Standard Equipment

Part Number 85C-061	Description	Individiual Part Number
●	Karrykrimp 2 portable crimper (base unit)	85C-080
●	2 piece stand	85C-STD
●	Connection hose with quick coupling	85C-00L
●	Silver die ring	85C-R01
●	Black die ring	85C-R02

PHastkrimp

Features

- Fast bench mounted unit
- Push button power on demand design
- Crimps both steel and stainless steel fittings
- For use with 25, 26, 43, 70, 71, 73, 78, 81, and HY Series fittings

Specifications

- Dimensions: 24” wide, 33” deep, 38” high
- Weight: 550 lbs
- Rating: 60 ton force @ 4,200 psi maximum
- Full Cycle Time: 6 seconds
- Hydraulic Fluid: AW32 oil
- **Note:** The 230VAC, 3 phase, 60 Hz power unit can be rewired to 460VAC by a qualified electrician

Standard Equipment

Part Number 89C-061	Part Number 89C-062	Description	Individual Part Number
●		PHastkrimp crimper with 230VAC, 3 phase, 60 Hz power unit wired for 230 volts	
	●	PHastkrimp crimper with 230VAC, 1 phase, 60 Hz power unit wired for 230 volts	
●	●	Silver die ring	85C-R01
●	●	Black die ring	85C-R02

Optional Tooling

- Die Kit (85C-KDA) Includes 43 Series dies in sizes 1/4”, 3/8”, 1/2”, 3/4”, 1” and 1-1/4” and 70/71 Series dies in sizes 3/8”, 1/2”, 3/4”, 1”, 1-1/4” **ONLY**.

Note:
- For crimp instructions, see pages C-16 and C-17.
- Hose assemblies must be inspected for cleanliness and free of all foreign particles.
- Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

PHastkrimp/Karrykrimp 2 Hose Die Selection Chart

PN: PH/KK2 Hose Decal Hose- 8/07			Fittings	Hose/Die Selection and Crimp Diameters PN: PH/KK2 Master Decal 8/07								
				– 4 RED	– 5 PUR	– 6 YEL	– 8 BLU	– 10 ORG	– 12 GRN	– 16 BLK	– 20 WHT	Die Ring
Die				80C-A04	80C-A05	80C-A06	80C-A08	80C-A10	80C-A12	80C-A16	80C-A20	
351TC 351ST 422 424 426	431 436 451TC 451ST 471TC	471ST 472TC 482TC 482ST	43 Series	0.645 0.665	0.710 0.730	0.825 0.845	0.945 0.965	1.060 1.080	1.245 1.265	1.590 1.610	1.970 1.990	Silver
421WC 302/301 301LT	304 341 381	601 604 881	43 Series	0.685 0.705	0.750 0.770	0.865 0.885	0.985 1.005	1.100 1.120	1.285 1.305	1.630 1.650	2.010 2.030	Black
Die						83C-D06	83C-D08	83C-D10				
701 F42 (-8 ONLY)			70 Series			0.990 1.010	1.140 1.160	1.260 1.280				Black
Die						83C-D06	83C-D08	83C-D10	83C-D12	83C-D16	83C-D20	
711 721 721TC	721ST 772TC	772ST 774	71 Series			0.950 0.970	1.100 1.120	1.220 1.240	1.355 1.375	1.695 1.715	2.025 2.045	Silver
Die									80C-L12	80C-L16		
731			73 Series						1.420 1.440	1.730 1.750		Silver
Die									80C-L12	80C-L16		
78C	781 782TC	782ST	78 Series						1.420 1.440	1.730 1.750		Silver
Die				80C-E04	80C-E05	80C-E06	80C-E08	80C-E10	80C-E12	80C-E16		
213	221FR 285	293	26 Series	0.460 0.480	0.520 0.540	0.575 0.595	0.670 0.690	0.805 0.825	0.915 0.935	1.175 1.195		Silver
201 206	225 244	266 CAH	26 Series	0.500 0.520	0.560 0.580	0.615 0.635	0.710 0.730	0.845 0.865	0.955 0.975	1.215 1.235		Black
Die									80C-V12	80C-V16	80C-V20	
811	811HT	881	81 Series						1.155 1.175	1.450 1.470	1.740 1.760	Silver
Die				80C-H585		80C-H735	80C-H840	80C-H970	80C-H1120	80C-H1365		
AX			HY Series	0.575 0.595		0.725 0.745	0.830 0.850	0.960 0.980	1.110 1.130	1.355 1.375		Silver
Die				80C-H605		80C-H775	80C-H885	80C-H1010	80C-H1170	80C-H1465		
BXX			HY Series	0.635 0.655		0.805 0.825	0.915 0.935	1.040 1.060	1.200 1.220	1.495 1.515		Black

Parker Hannifin Corp.
Hose Products Divison
30240 Lakeland Blvd.
Wickliffe, Ohio 44092

Caution: Read the operations and technical manual before attempting to operate this machinery. Do not operate this machine without guard in place. Keep hands clear of moving parts when operating machine.

NOTE: 1. Stainless steel crimper diameters are 0.010" greater than table listings with the exception of stainless steel HY series fitting which are 0.005" greater than the table listings.
2.Do not use lubricant to assemble spiral hose and fittings.

For a new decal, contact Parker Catalog Services at: 1-800-C-PARKER.

Superkrimp

Features

- Easy to use table top design
- Engineered for optimal durability
- Crimps both steel and stainless steel fittings
- For use with 25, 26, 43, 70, 71, 73, 76, 78, 79, 81, and HY Series fittings

Specifications

- Dimensions: 20” wide, 31” deep, 41” high
- Weight: 600 lbs
- Rating: 70 ton force @ 5,000 psi maximum
- Full Cycle Time: 20 seconds without adapter bowl
  15 seconds with adapter bowl
- Hydraulic oil: Enerpac oil

Standard Equipment

Part Number		Description	Individual Part Number
88C-081	88C-082		
●		Superkrimp crimper with 230/460 volt, 3 phase, 50/60 Hz power unit wired for 230 volts	
	●	Superkrimp crimper with 230/460 volt, 1 phase, 50/60 Hz power unit wired for 230 volts	
●	●	Adapter bowl	83C-OCB
●	●	Spacer ring	83C-R02
●	●	Spacer Plate	83C-R02H

Optional Tooling

- Die Kit (88C-KDA)

  Includes 43 Series dies in sizes 1/4”, 3/8”, 1/2”, 3/4”, 1” and 1-1/4” and 70/71 Series dies in sizes 3/8”, 1/2”, 3/4”, 1”, 1-1/4” and 1-1/2” **ONLY**.

Note:
- For crimp instructions, see pages C-16 and C-17.
- Hose assemblies must be inspected for cleanliness and free of all foreign particles.
- Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Superkrimp Hose Die Selection Chart

PN: SK Hose Decal 8/07 — Hose	Fittings	Die Selection and Crimp Diameters — PN: SK Master Decal 8/07									
		– 4 RED	– 5 PUR	– 6 YEL	– 8 BLU	– 10 ORG	– 12 GRN	– 16 BLK	– 20 WHT	– 24 RED	– 32 GRN
Die		80C-A04	80C-A05	80C-A06	80C-A08	80C-A10	80C-A12	80C-A16	80C-A20	83C-A24	83C-A32
351TC 351ST 422 424 426 / 431 436 451TC 451ST 471TC / 471ST 472TC 482TC 482ST	43 Series	0.645 0.665	0.710 0.730	0.825 0.845	0.945 0.965	1.060 1.080	1.245 1.265	83C-A16H 1.590 1.610	83C-A20H 1.970 1.990	2.290 2.310	2.735 2.755
Tools Required		Small Silver Die (80C-AXX) and Adapter Bowl (83C-OCB)								Large Silver Die (83C-AXX)	
421WC 302/301 301LT / 304 341 381 / 601 604 881	43 Series	0.685 0.705	0.750 0.770	0.865 0.885	0.985 1.005	1.100 1.120	1.285 1.305	1.630 1.650	2.010 2.030	2.330 2.350	2.775 2.795
Tools Required		Spacer Ring (83C-R02), Small Silver Die (80C-AXX), and Adapter Bowl (83C-OCB)								Spacer Plate (83C-R02H) and Large Silver Die (83C-AXX)	
Die				83C-D06	83C-D08	83C-D10					
701 F42 (-8 ONLY)	70 Series			0.990 1.010	1.140 1.160	1.260 1.280					
Tools Required	70 Series	Spacer Ring (83C-R02), Small Black Die (83C-DXX), and Adapter Bowl (83C-OCB)									
Die				83C-D06	83C-D08	83C-D10	83C-D12	83C-D16	83C-D20	83C-D24	
711 721 721TC / 721ST 772TC / 772ST 774	71 Series			0.950 0.970	1.100 1.120	1.220 1.240	1.355 1.375	83C-D16H 1.695 1.715	83C-D20H 2.025 2.045	2.290 2.310	
Tools Required	71 Series	Small Black Die (83C-DXX) and Adapter Bowl (83C-OCB)								Large Black Die (83C-DXX)	
Die							83C-L12	83C-L16			
731	73 Series						1.420 1.440	1.730 1.750			
Tools Required	73 Series						Large Olive Drab (83C-LXX)				
Die							83C-U12	83C-U16			
761	76 Series						1.540 1.560	1.865 1.885			
Tools Required	76 Series						Large Silver Die (83C-UXX)				
Die							83C-L12	83C-L16	83C-L20		
78C / 781 782TC / 782ST	78 Series						1.420 1.440	1.730 1.750	2.140 2.160		
Tools Required	78 Series						Large Olive Drab (83C-LXX)				
Die							83C-L12	83C-L16			
791TC / 792TC F42 / 792ST	79 Series						1.420 1.440	1.730 1.750			
Tools Required	79 Series						Large Olive Drab (83C-LXX)				
Die		80C-E04	80C-E05	80C-E06	80C-E08	80C-E10	80C-E12	80C-E16	83C-E20	83C-E24	83C-E32
213 / 221FR 285 / 293	26 Series	0.460 0.480	0.520 0.540	0.575 0.595	0.670 0.690	0.805 0.825	0.915 0.935	1.175 1.195	1.420 1.440	1.670 1.690	2.160 2.180
Tools Required	26 Series	Small Silver Die (80C-EXX) and Adapter Bowl (83C-OCB)							Large Silver Die (83C-EXX)		
201 206 / 225 244 / 266 CAH	26 Series	0.500 0.520	0.560 0.580	0.615 0.635	0.710 0.730	0.845 0.865	0.955 0.975	1.215 1.235	1.460 1.480	1.710 1.730	2.200 2.220
Tools Required	26 Series	Spacer Ring (83C-R02), Small Silver Die (80C-EXX), and Adapter Bowl (83C-OCB)							Spacer Plate (83C-R02H) and Large Silver Die (83C-EXX)		
Die							80C-V12	80C-V16	80C-V20	83C-V24	83C-V32
811 / 811HT / 881	81 Series						1.155 1.175	1.450 1.470	1.740 1.760	2.010 2.030	2.430 2.450
Tools Required	81 Series						Small Silver Die (80C-VXX) and Adapter Bowl (83C-OCB)			Large Silver Die (83C-VXX)	
Die		80C-H585		80C-H735	80C-H840	80C-H970	80C-H1120	80C-H1365			
AX	HY Series	0.575 0.595		0.725 0.745	0.830 0.850	0.960 0.980	1.110 1.130	1.355 1.375			
Tools Required	HY Series	Small Silver Die (80C-HXXX or 80C-HXXXX) and Adapter Bowl (83C-OCB)									
Die		80C-H605		80C-H775	80C-H885	80C-H1010	80C-H1170	80C-H1465			
BXX	HY Series	0.635 0.655		0.805 0.825	0.915 0.935	1.040 1.060	1.200 1.220	1.495 1.515			
Tools Required	HY Series	Spacer Ring (83C-R02), Small Silver Die (80C-HXXX or 80C-HXXXX) and Adapter Bowl (83C-OCB)									

Parker Hannifin Corp.
Hose Products Divison
30240 Lakeland Blvd.
Wickliffe, Ohio 44092

Caution: Read the operations and technical manual before attempting to operate this machinery. Do not operate this machine without guard in place. Keep hands clear of moving parts when operating machine.

NOTE: 1.The 83C-R12 split die ring is used for all crimping operations. 2.Stainless steel crimper diameters are 0.010" greater than table listings with the exception of stainless steel HY series fitting which are 0.005" greater than the table listings. 3.Do not use lubricant to assemble spiral hose and fittings.

For a new decal, contact Parker Catalog Services at: 1-800-C-PARKER.

Parkrimp 2

Features

- Easy to use vertical design
- Crimps full range of Parker hoses from 1/4” through 2” I.D.
- Crimps both steel and stainless steel fittings
- For use with 25, 26, 43, 70, 71, 73, 76, 78, 79, 81, S6 and HY Series fittings

Specifications

- Dimensions: 28” wide, 22” deep, 70” high
- Weight: 842 lbs (Head is 558 lbs and base is 284 lbs)
- Rating: 125 ton force @ 5,000 psi maximum
- Full Cycle Time: 30 seconds without adapter bowl
  20 seconds with adapter bowl
- Hydraulic oil: Enerpac oil

Standard Equipment

Part Number				Description	Individual Part Number
83C-001	83C-081	83C-002	83C-082		
●	●	●	●	Parkrimp 2 crimper head assembly	83C-080
●	●			Parkrimp 2 stand assembly with 230/460 volt, 3 phase, 50/60 Hz power unit (wired for 230 volt)	83C-S40
		●	●	Parkrimp 2 stand assemlby with 230 volt, 1 phase, 50/60 Hz power unit	83C-S20
●	●	●	●	Adapter bowl	83C-OCB
●	●	●	●	Spacer ring	83C-R02
●	●	●	●	Spacer Plate	83C-R02H
●		●		Die Kit Includes 43 Series dies in sizes 1/4”, 3/8”, 1/2”, 3/4”, 1”, 1-1/4” dies and 70/71 Series dies in sizes 3/8”, 1/2”, 3/4”, 1”, 1-1/4”, 1-1/2”, 2” **ONLY**	83C-KDA

Note:
- For crimp instructions, see pages C-16 and C-17.
- Hose assemblies must be inspected for cleanliness and free of all foreign particles.
- Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Parkrimp 2 Hose Die Selection Chart

PN: PK2 Hose Decal 8/07 Hose	Fittings	Die Selection and Crimp Diameters PN: PK2 Master Decal 8/07									
		– 4 RED	– 5 PUR	– 6 YEL	– 8 BLU	– 10 ORG	– 12 GRN	– 16 BLK	– 20 WHT	– 24 RED	– 32 GRN
Die		80C-A04	80C-A05	80C-A06	80C-A08	80C-A10	80C-A12	80C-A16	80C-A20	83C-A24	83C-A32
351TC 351ST 422 424 426 / 431 436 451TC 451ST 471TC / 471ST 472TC 482TC 482ST	43 Series	0.645 0.665	0.710 0.730	0.825 0.845	0.945 0.965	1.060 1.080	1.245 1.265	83C-A16H 1.590 1.610	83C-A20H 1.970 1.990	2.290 2.310	2.735 2.755
Tools Required		Small Silver Die (80C-AXX) and Adapter Bowl (83C-OCB)								Large Silver Die (83C-AXX)	
421WC 302/301 301LT / 304 341 381 / 601 604 881	43 Series	0.685 0.705	0.750 0.770	0.865 0.885	0.985 1.005	1.100 1.120	1.285 1.305	1.630 1.650	2.010 2.030	2.330 2.350	2.775 2.795
Tools Required		Spacer Ring (83C-R02), Small Silver Die (80C-AXX), and Adapter Bowl (83C-OCB)								Spacer Plate (83C-R02H) and Large Silver Die (83C-AXX)	
Die				83C-D06	83C-D08	83C-D10					
701 F42 (-8 ONLY)	70 Series			0.990 1.010	1.140 1.160	1.260 1.280					
Tools Required		Spacer Ring (83C-R02), Small Black Die (83C-DXX), and Adapter Bowl (83C-OCB)									
Die				83C-D06	83C-D08	83C-D10	83C-D12	83C-D16	83C-D20	83C-D24	83C-D32
711 721 721TC / 721ST 772TC / 772ST 774	71 Series			0.950 0.970	1.100 1.120	1.220 1.240	1.355 1.375	83C-D16H 1.695 1.715	83C-D20H 2.025 2.045	2.290 2.310	2.775 2.795
Tools Required		Small Black Die (83C-DXX) and Adapter Bowl (83C-OCB)								Large Black Die (83C-DXX)	
Die							83C-L12	83C-L16	83C-L20	83C-L24	83C-L32
731	73 Series						1.420 1.440	1.730 1.750	2.140 2.160	2.440 2.460	3.025 3.045
Tools Required							Large Olive Drab (83C-LXX)				
Die							83C-U12	83C-U16			
761	76 Series						1.540 1.560	1.865 1.885			
Tools Required								Large Silver (83C-UXX)			
Die							83C-L12	83C-L16	83C-L20	83C-L24	83C-L32
P35/78C / 781 782TC / 782ST	78 / S6 Series	* S6 Series Fittings to be used on P35-32 Only					1.420 1.440	1.730 1.750	2.140 2.160	2.440 2.460	3.025 3.045
Tools Required							Large Olive Drab (83C-LXX)				
Die							83C-L12	83C-L16	83C-L20	83C-L24	
791TC / 792TC F42 / 792ST	79 Series						1.420 1.440	1.730 1.750	2.140 2.160	2.440 2.460	
Tools Required							Large Olive Drab (83C-LXX)				
Die		80C-E04	80C-E05	80C-E06	80C-E08	80C-E10	80C-E12	80C-E16	80C-E20	83C-E24	83C-E32
213 / 221FR 285 / 293	26 Series	0.460 0.480	0.520 0.540	0.575 0.595	0.670 0.690	0.805 0.825	0.915 0.935	1.175 1.195	1.420 1.440	1.670 1.690	2.160 2.180
Tools Required		Small Silver Die (80C-EXX) and Adapter Bowl (83C-OCB)							Large Silver Die (83C-EXX)		
201 206 / 225 244 / 266 CAH	26 Series	0.500 0.520	0.560 0.580	0.615 0.635	0.710 0.730	0.845 0.865	0.955 0.975	1.215 1.235	1.460 1.480	1.710 1.730	2.200 2.220
Tools Required		Spacer Ring (83C-R02), Small Silver Die (80C-EXX), and Adapter Bowl (83C-OCB)							Spacer Plate (83C-R02H) and Large Silver Die (83C-EXX)		
Die							80C-V12	80C-V16	80C-V20	83C-V24	83C-V32
811 / 811HT / 881	81 Series						1.155 1.175	1.450 1.470	1.740 1.760	2.010 2.030	2.430 2.450
Tools Required							Small Silver Die (80C-VXX) and Adapter Bowl (83C-OCB)			Large Silver Die (83C-VXX)	
Die		80C-H585		80C-H735	80C-H840	80C-H970	80C-H1120	80C-H1365			
AX	HY Series	0.575 0.595		0.725 0.745	0.830 0.850	0.960 0.980	1.110 1.130	1.355 1.375			
Tools Required		Small Silver Die (80C-HXXX or 80C-HXXXX) and Adapter Bowl (83C-OCB)									
Die		80C-H605		80C-H775	80C-H885	80C-H1010	80C-H1170	80C-H1465			
BXX	HY Series	0.635 0.655		0.805 0.825	0.915 0.935	1.040 1.060	1.200 1.220	1.495 1.515			
Tools Required		Spacer Ring (83C-R02), Small Silver Die (80C-HXXX or 80C-HXXXX) and Adapter Bowl (83C-OCB)									

Parker Hannifin Corp.
Hose Products Divison
30240 Lakeland Blvd.
Wickliffe, Ohio 44092

Caution: Read the operations and technical manual before attempting to operate this machinery. Do not operate this machine without guard in place. Keep hands clear of moving parts when operating machine.

NOTE: 1.The 83C-R12 split die ring is used for all crimping operations. 2.Stainless steel crimper diameters are 0.010" greater than table listings with the exception of stainless steel HY series fitting which are 0.005" greater than the table listings. 3.Do not use lubricant to assemble spiral hose and fittings.

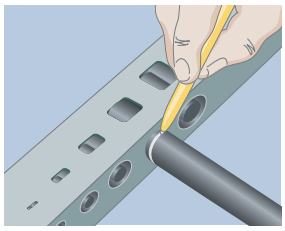
For a new decal, contact Parker Catalog Services at: 1-800-C-PARKER.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Crimping using Minikrimp, Karrykrimp, Parkrimp 1, Karrykrimp 2 and PHastkrimp

Parkrimp Fittings Series 25, 26, 43, 70, 71, 73, 76, 78, S6, 81, HY

1 Mark insertion depth and push on fitting

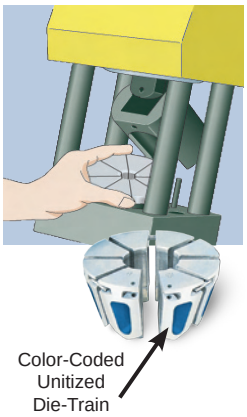


Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell. Lubricate hose if necessary, however, **DO NOT lubricate if using spiral hose.** See Hose Insertion Depth table below.

Place shell onto end of hose and make sure the end of the shell lines up with the Insertion Depth mark.

Push hose onto the 88 Series fitting until the shell bottoms against the fitting's stop ring or hex. Lubricate hose if necessary.

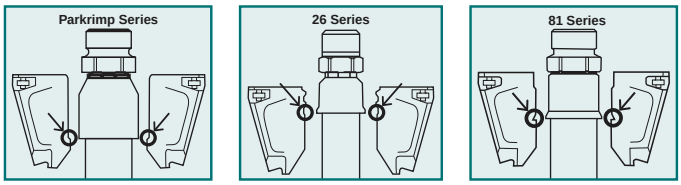
2 Insert unitized die train



Pull pin at the top of pusher to swing it back. Place unitized die-train into base plate. See decal on crimper for proper die set.
Note: Parkrimp 1 does not have a pin at the top of the pusher.

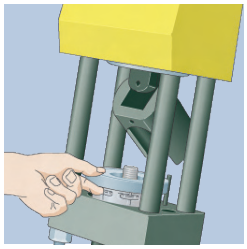
Important:
Lubricate the crimper's die bowl using a premium quality lithium-base grease.

3 Position the fitting

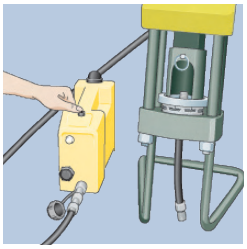


Position the hose and fitting in dies from below.
Rest bottom of coupling on die step using the PARKALIGN® feature.

4 Place die ring and crimp



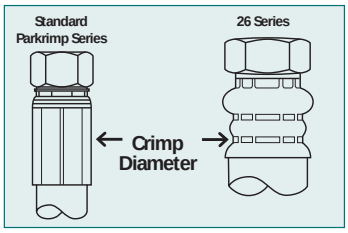
Place correct die ring on top of the dies. See decal on crimper for proper die ring.



Position pusher by replacing the pin and operate pump until the die ring bottoms out. Release pressure within the pump — remove finished assembly.

Note: Minikrimp, Karrykrimp & Karrykrimp 2 have several types of power sources, all of which are separate units from the crimping machine.

5 Measure crimp diameter



Measure crimp diameter on the flat surfaces of the crimped shell, referenced in the illustration to the left. Reference decal on crimper for crimp diameters. Never use hose assemblies with incorrect crimp diameters.

Important: Hose assemblies must be inspected for cleanliness and free of all foreign particles.

Hose insertion depths

Fitting Size	Fitting Series																	
	26		43		70		71		73		78		79		81		HY	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
-4	13/16	21	13/16	21	—	—	—	—	—	—	—	—	—	—	—	—	1-7/16	37
-5	13/16	21	15/16	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-6	13/16	21	1-1/8	29	1-1/16	27	1-1/16	27	—	—	—	—	—	—	—	—	1-1/2	40
-8	13/16	21	1-5/16	33	1-5/16	33	1-1/4	32	—	—	—	—	—	—	—	—	1-9/16	40
-10	7/8	22	1-9/16	40	1-3/8	35	1-5/16	33	—	—	1-7/8	47	—	—	—	—	1-9/16	40
-12	7/8	22	1-1/2	38	1-1/2	38	1-7/16	37	1-7/8	48	1-7/8	48	2-3/16	56	1-1/8	29	1-5/8	40
-16	1	25	1-3/4	44	1-13/16	46	1-3/4	44	2	51	2	51	2-5/16	59	1-1/4	32	1-3/4	43
-20	1	25	1-7/8	48	1-3/4	44	1-13/16	46	2-1/2	64	2-1/2	64	2-13/16	71	1-5/16	33	—	—
-24	1-1/16	27	1-7/16	37	—	—	2-5/16	59	2-7/16	62	2-7/16	62	—	—	1-5/16	33	—	—
-32	1-1/4	32	1-13/16	46	—	—	2-7/16	62	2-13/16	71	2-7/8	73	—	—	1-11/16	43	—	—

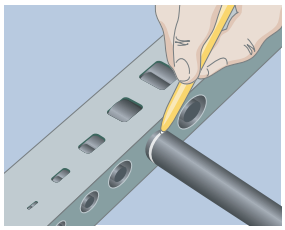
For specific information on crimping, visit CrimpSource™ online at www.parkerhose.com.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Crimping using Superkrimp and Parkrimp 2

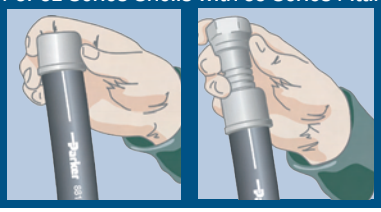
Parkrimp Fittings Series 25, 26, 43, 70, 71, 73, 76, 78, S6, 81, HY

1 Mark insertion depth and push on fitting



Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell. Lubricate hose if necessary, however, **DO NOT lubricate if using spiral hose.** See Hose Insertion Depth table on previous page.

For 81 Series Shells with 88 Series Fittings

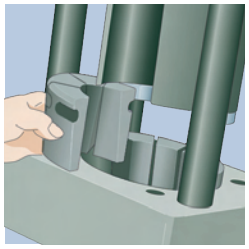


Place 81 Series Shell onto end of hose and make sure the end of the shell lines up with the Insertion Depth mark.

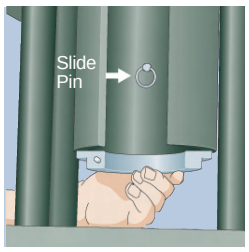
Push hose onto the 88 Series fitting until the shell bottoms against the fitting's stop ring or hex. Lubricate hose if necessary.

2a If using large two-piece dies

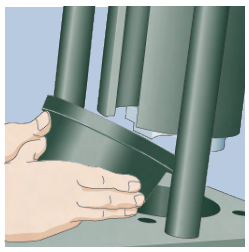
Insert the proper die set into the die bowl. (The die sets are in two halves of four dies each. Place one half in the back and one half in the front to accommodate bent tube fittings.) Reference decal on crimper for proper tool selection.



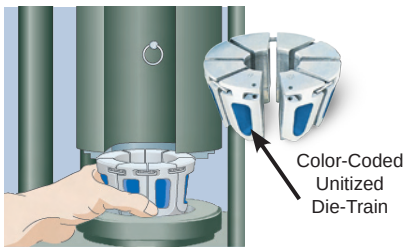
2b If using small unitized dies



With the pusher in the full up position, lift the back half of the split die ring. Lock it in the up position by pushing the slide pin in. (The slide pin is located inside the pusher at the back.)



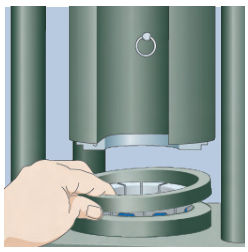
Lubricate die bowl using a premium quality lithium-base grease. Carefully insert the adapter bowl, 83C-OCB, into the base bowl. The adapter bowl must be tilted toward the back of the crimper during insertion.



Lubricate die bowl using a premium quality lithium-base grease. Place unitized die-train into the adapter bowl. Select die and die ring by hose size and type. See decal on crimper for proper die set.

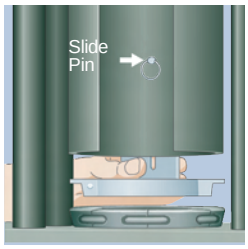
Note: Die sets have color-coded cavities indicating size and have the fitting series and dash size stamped on the top.

3 Place spacer ring

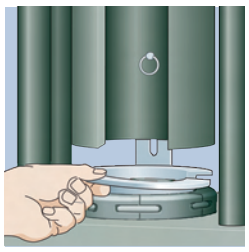


If required, place spacer ring on locating step of adapter bowl. Reference decal on crimper for tool selection.

4 Position the split die ring

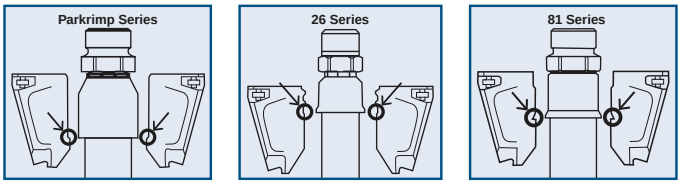


Lower the back half of the split die ring onto the dies by pulling the slide pin forward.



Insert the front half of the split die ring aligning the pins in the back half with the hole in the front half.

5 Position the fitting



Position the hose and fitting in dies from below.

Rest bottom of coupling on die step using the PARKALIGN® feature.

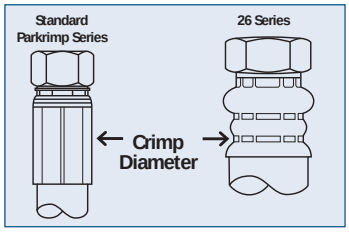
6 Crimp hose

Turn on the pump by pressing the "ON" switch. Pull the valve handle forward to bring the pusher down for crimping. When the split die ring contacts the base plate, the crimp is complete. Push the valve handle back to lift the pusher, open the dies, and release the finished assembly.

Note: You do not have to remove any tooling to insert or remove straight fittings. The front half of the split die ring and the front die train must be removed to insert and remove bent tube fittings.

7 Measure crimp diameter

Measure crimp diameter on the flat surfaces of the crimped shell, referenced in the illustration to the right. Reference decal on crimper for crimp diameters. Never use hose assemblies with incorrect crimp diameters.



Important: Hose assemblies must be inspected for cleanliness and free of all foreign particles.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Assembling Twin Tough Rubber Hose

Required Equipment:

Twin Tough hose, fittings, knife, tape measure, heat shrink sleeve, scissors, grease pencil, heat gun, and calipers.

Set-up:

Position the bonded rubber hose so that it lies flat on a work surface with out tendency to twist or turn.

Measure hose tear back length:

Measure and mark the length that the hoses are to be separated. A minimum of 12 inches is required for crimping the hose ends. An 18 inch tear back is recommended for use with hydraulic tools.

Note: If length of separation/tear back is specified from the threaded or swivel nut end of the coupling, then deduct the cut off allowance dimension for the specific style of coupling used. The cutoff allowance can be obtained from the hose fitting tables in the 4400 Catalog "B" dimension, or can be calculated by subtracting the insertion depth of the shell from the overall coupling length.

Cut hose tear back to length:

Press the bonded hose assembly firmly and flat against the work surface with your free hand so that it does not move.

A.) Using a sharp blade, line up the center of the valley (web) formed by the hoses.

B.) To start the cut, place the blade in the center of that valley (web) drawing the knife toward you with constant pressure.

C.) Once you have a 1 to 2 inch starter cut, firmly pull each hose end apart to your required separation length.

Note: It is important that the knife blade be perpendicular to the hose during this procedure so the blade cuts only the centerline of the valley (web). EXTREME CARE MUST BE TAKEN TO AVOID CUTTING THROUGH THE COVER OF THE HOSES AND THEREBY EXPOSING THE HOSE REINFORCEMENT. If this occurs, the hose assembly must be discarded.

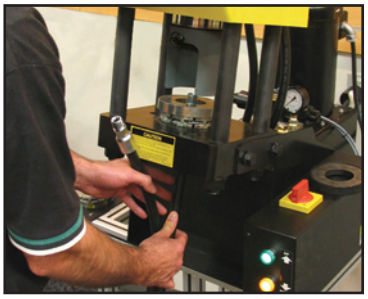
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Measure Separation: It is suggested that the separation length be a minimum of 12 inches, which will be sufficiently long enough so that the crimping operation can be accomplished without risk of kinking the hoses.

Stopping Separation: Parker recommends installing a heat shrink sleeve of at least 2 inches with a 2 ½ ID at the termination of the separated hose to provide protection against tearing of the valley (web) or hose covers. This heat shrink sleeve should be placed on the hose assembly prior to the crimping of the hose fittings. Once you have your heat shrink sleeve in place, use a heat gun to shrink the sleeve in place.

Note: EXTREME CARE MUST BE TAKEN TO AVOID EXPOSING THE HOSE ASSEMBLY TO THE DIRECT HIGH TEMPERATURES OF THE HEAT GUN WHILE INSTALLING THE HEAT SHRINK SLEEVE. LONG EXPOSURE FROM A HEAT GUN MAY ADVERSLEY AFFECT THE HOSE INNERTUBE OR ITS COVER.

Crimping Fittings: All of your crimping information can be found on Crimp Source (www.parker.com/crimpsource).



First, place your fittings onto each hose end making sure that both have been installed to the correct hose insertion depth. Choose the correct die and die ring. Place half of your hose assembly through the bottom of your Parkrimp crimper. Rest the bottom of the fitting on the die step using the Parkalign system. While lightly holding the hose assembly, operate your crimper pump so that the pusher on the crimper comes down in contact with the die ring until it bottoms out on the crimper base. Then release the pressure within the pump and remove the first half of your finished assembly. Always measure your hose assemblies for the correct crimp diameter. Now, repeat the crimping process on the other fitting.

Note: EXTREME CARE MUST BE TAKEN TO AVOID KINKING THE HOSE THAT IS NOT BEING CRIMPED DURING THIS PROCESS.

Warning: EXTREME CARE MUST BE TAKEN TO AVOID EXPOSING THE HOSE ASSEMBLY TO THE DIRECT HIGH TEMPERATURES OF THE HEAT GUN WHILE INSTALLING THE HEAT SHRINK SLEEVE. LONG EXPOSURE FROM A HEAT GUN MAY ADVERSLEY AFFECT THE HOSE INNERTUBE OR ITS COVER.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hand Pump
Part No. 82C-0HP

(for use with the Minikrimp, Karrykrimp and Karrykrimp 2)
Ease of operation hand pump delivers 10,000 psi

Length:	23”
Width:	4”
Height:	5”
Port Size:	3/8” NPTF
Weight:	9 lbs
Hydraulic Fluid:	Enerpac oil

Hand Pump
Part No. 85C-0HP

(for use with the Minikrimp, Karrykrimp and Karrykrimp 2)
Ease of operation hand pump delivers 10,000 psi

Length:	29”
Width:	13”
Height:	11”
Port Size:	3/8” NPTF
Weight:	61 lbs
Hydraulic Fluid:	Enerpac oil

Electric Pump
Part No. 82C-0EP

(for use with the Minikrimp, Karrykrimp and Karrykrimp 2)
Ease of operation hand pump delivers 10,000 psi

Length:	13”
Width:	13”
Height:	15”
Port Size:	3/8” NPTF
Weight:	31 lbs
Hydraulic Fluid:	Enerpac oil

115 volt, 1 phase, 50/60 Hz, 9 amp

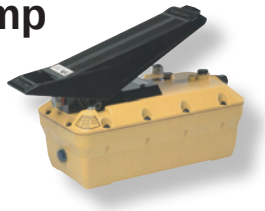
Electric Pump
Part No. 85C-0EP

(for use with the Minikrimp, Karrykrimp and Karrykrimp 2)
Heavy duty electric pump delivers 10,000 psi at a faster cycle time

Length:	19”
Width:	11”
Height:	17”
Port Size:	3/8” NPTF
Weight:	59 lbs
Hydraulic Fluid:	Enerpac oil

115 volt, 1 phase, 50/60 Hz, 20 amp

Air/Hydraulic Pump
Part No. 82C-0AP



(for use with the Minikrimp, Karrykrimp and Karrykrimp 2)
Lightweight pump operates with 80-150 psi shop air pressure and delivers 10,000 psi

Length:	15”
Width:	6”
Height:	6”
Intake Port Size:	1/4” NPTF
Output Port Size:	3/8” NPTF
Weight:	14 lbs
Hydraulic Fluid:	Enerpac oil

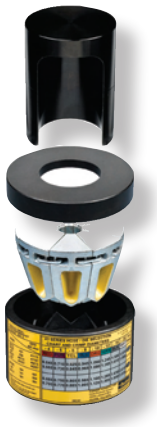
Vehicle Battery-Powered Pump
Part No. 85C-12V

(for use with the Minikrimp, Karrykrimp and Karrykrimp 2)
Ideal unit for Parker Mobile Hose Preplacement Service, Delivering 10,000 psi.

Length:	12”
Width:	8”
Height:	19.5”
Weight:	67 lbs
Hydraulic Fluid:	ISO-46

Enerpac Warranty Statement
Enerpac products are warrented to be free of defects in materials and workmanship. Any product that does not conform to specification will be repaired or replaced at Enerpac’s expense, anywhere in the world; simple as that! This warranty does not cover ordinary wear and tear, abuse, misuse, alterations, or the use of improper fluids. Determination of the authenticity of a warranty claim will be made only by Enerpac or its Authorized Service Centers.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



Hydraulic Press Kit

Part No. 8PC-001

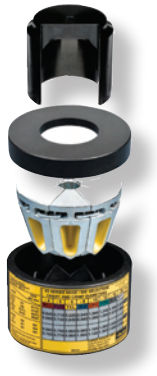
For use with 26, 43, 81 and HY Series Fitting ONLY

Specifications

- Required Height from Press Base to Press Ram: 10 inches
- Required Width of Bowl Diameter: 5 inches
- Bowl Rating: 30 tons force maximum
- Minimum Required Press Capacity: Hose Size 1/4” to 1/2” needs a 20 ton press
  Hose size 5/8” to 1-1/4” needs a 30 ton press

Standard Equipment

Part Number 8PC-001	Description	Individual Part Number
●	Bowl Assembly	8PC-030
●	Pusher	8PC-00P
●	Silver Die Ring	81C-R01
●	Black Die Ring	81C-R02
●	43 Series dies in 1/4”, 3/8”, 1/2”, 3/4” and 1”	80C-Axx



Weatherhead Conversion Kit

Part No. 8WC-001

For use with 26, 43, 81 and HY Series Fitting **ONLY**

Convert ***Weatherhead T-400 crimper*** to utilize Parker Parkrimp No-Skive fittings.

Standard Equipment

Part Number 8WC-001	Description	Individual Part Number
●	Bowl Assembly	8PC-030
●	Pusher	8WC-00P
●	Silver Die Ring	81C-R01
●	Black Die Ring	81C-R02
●	43 Series Dies in 1/4”, 3/8”, 1/2” and 3/4”	80C-Axx

Gates Conversion Kit

Part No. 8GC-002

For use with 26, 43, 81 and HY Series Fitting **ONLY**

Convert ***Gates 701, 703 and 707 bottom loading crimpers*** to utilize Parker Parkrimp No-Skive fittings.

Standard Equipment

Part Number 8GC-002	Description	Individual Part Number
●	Bowl Assembly	8PC-030
●	Silver Die Ring	81C-R01
●	Black Die Ring	81C-R02
●	43 Series Dies in 1/4”, 3/8”, 1/2”, 3/4” and 1”	80C-Axx

Notes:
- **For additional information and operating instructions, visit the Parker Hose Products Division website at www.parkerhose.com.**
- **For crimping instructions, see pages C-16 and C-17.**
- **Hose assemblies must be inspected for cleanliness and free of all foreign particles.**

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Cut-Off Machine

Part No. 332T-115V

Features

- For quick, easy cutting of spiral reinforced hose up to 1-1/4" I.D.
- Moving parts shielded by guards

Specifications

- Dimensions: 13" wide x 26" long x 22" high
- Shipping Weight: 71 lbs.

Standard Equipment

Part Number 332T-115V	Description	Individual Part Number
●	Hose Cut-Off Machine with 1-1/2 HP, 3450 RPM, 115/230V single phase electic motor wired for 115V	
●	Scallop Cutting Blade (8" with 5/8" arbor size)	24398

Optional Equipment

- Smooth Cutting Blade (580661)

Hose Cut-Off Machine

Part No. 239 and 339

Features

- Designed for heavy duty use
- Cuts multi-braided wire reinforced hose including 6 spiral construction up to 2" I.D.

Specifications

- Dimensions: 22" wide x 42" long x 24" high
- Shipping Weight: 115 lbs.

Standard Equipment

Part Number 239	Part Number 339	Description	Individual Part Number
●		Hose Cut-Off Machine with 230V single phase motor	
	●	Hose Cut-Off Machine with 3 HP motor 230V, 3 phase, 60 cycle	
●	●	Scallop Cutting Blade (10" with 3/4" arbor size)	24248

Optional Equipment

- Smooth Cutting Blade (15960)

Hose Cut-Off Machine - Karrykut

Part No. 631075

Features

- Portable saw for cutting on the job
- Unique clamp system spreads hose as it cuts to prevent blade binding
- Cuts multi-braided wire reinforced hose including 4 spiral construction up to 1-1/4" I.D.

Specifications

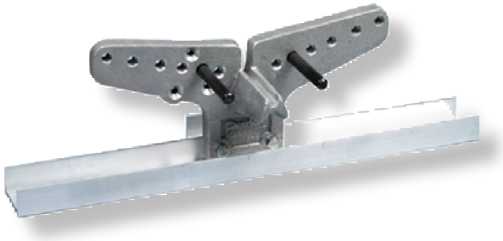
- Dimensions: 16" wide x 12" long x 19" high
- Shipping Weight: 58 lbs.

Standard Equipment

Part Number 631075	Description	Individual Part Number
●	Power saw with 115volt (13 amp) universal AC motor	631140
●	Universal clamp attachment (can be used with any portable power saw unit having a 5/8" arbor, 8" blade capacity	631076
●	Cutting blade (8" with 5/8" arbor size)	580661

Hose Cut-Off Tool - Handykut

Part No. 871522



Features

- Portable tool for efficient cutting of hose
- Can be positioned onto a flat surface by clamps or by locking it in a vise, properly align the hose in a radius and cut it with a hacksaw

Specifications

- Dimensions: 6" wide x 18" long x 6" high
- Shipping Weight: 10 lbs.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Push-Lok Cut-Off & Assembly Tool

Part No. 881540

Features

- Combined hose cutter and toggle action press that cuts and assembles Parker Push-Lok in sizes 1/4” through 3/4” I.D.

Specifications

- Dimensions: 16” long
- Shipping Weight: 4 lbs.

Hose Cut-Off Tool

Part No. 316

Features

- Small in size and easy to use
- Quick cutting of textile reinforced hose
- Ruggedly built for years of trouble-free service

Specifications

- Dimensions: 15” long
- Shipping Weight: 6 lbs.

Hose Cut-Off Tool

Part No. TH11-1

Features

- Designed for quick, easy cutting of textile reinforced hose.
- Squarely cuts Push-Lok hose in sizes 1/4” through 3/4” I.D.

Specifications

- Dimensions: 8” long
- Shipping Weight: 0.3 lbs.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Insertion Depth Blocks

Part No. TH9-1-XXX

Features

- For quick easy marking of hose insertion depth
- Ensures accuracy and increased productivity

Available Blocks

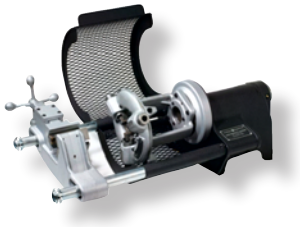
Part Number	Description
TH9-1-26A	26 Series -4 through -10
TH9-1-26B	26 Series -12 through -32
TH9-1-43A	43 Series -4 through -10
TH9-1-43B	43 Series -12 through -32
TH9-1-70	70 Series -6 through -20
TH9-1-71	71 Series -6 through -32
TH9-1-73	73 Series -12 through -32
TH9-1-78	78 Series -12 through -32
TH9-1-HY	HY Series -4 through -16

Optional Parts

- Insertion Depth Marking Stand (TH9-1-STD)

Hozembler

Part No. 432-115V



Features

- Power machine to facilitate the attachment of field attachable fittings
- Handles all hose and fittings up to 4 spiral wire, in sizes 3/16” through 2” I.D., including bent tube elbows
- Comes with vise, all adapters, foot switch and safety guard with 115V, 30 amp, universal AC motor

Specifications

- Shipping Weight: 141 lbs.

Optional Parts

- Mounting stand (662451)

Fitting Push-On Stand

Part No. TH2-7

Features

- Quickly and easily pushes fittings onto hose
- Boosts porductivity and quality
- Eliminates the need of rubber mallets and oils to get fittings onto the end of the hose for crimping
- Standard with straight tooling required for sizes 1/4” through 2” for all crimped fittings, 82 Series Push-Lok and 88 Series field attachable fittings

Specifications

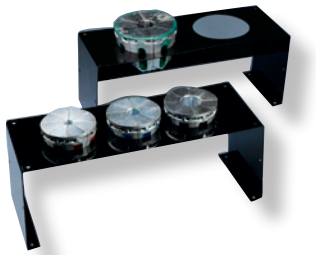
- Shipping Weight: 200 lbs.

Optional Tooling

- Elbow Pusher Set (TH2-7-ELS)

Die Storage Racks

Part No. 80C-0DR and 83C-0DR



Features

- Modular die rack designed to hold small and large Parkrimp dies
- Can be bolted together to a work bench horizontally or vertically

Standard Equipment

Part Number		Description
80C-0DR	83C-0DR	
●		Storage of three sets of small dies
	●	Storage of two sets of large dies

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Swivel Die Rack

Part No. 80C-SDR

Features

- Holds up to 30 Parkrimp dies of any size
- Powder-coated, heavy-duty steel construction
- Consists of a base unit and up to five circular holders
- Floor or bench mounted

Standard Equipment

Part Number	Description
80C-SDR-SM	Swivel Die Rack and Small Die Holder
80C-SDR-LG	Swivel Die Rack and Large Die Holder
80C-SDR-BASE	Swivel Die Rack Base

Hose Perforator

Part No. 601069

Features

- Small hand tool to prick minute holes in the rubber cover
- To be used in gaseous applications where the pressure exceeds 250 psi
- Driven into the cover every few inches of length either striking the hose or by a rolling action over the hose cover
- Not generally necessary to perforate the hose on all sides

Specifications

- Shipping Weight: 2 lbs.

Hose Oil

Part No. Hose Oil

Features

- Reduces torque and eliminates waste lubrication
- Use hose oil with the recommended hose assembly instructions

Accrolube

Part No. Accrolube

Features

- High efficiency lubricant used for stainless steel field attachable fittings
- Contains Teflon to reduce the wear between metal surfaces, protects against corrosion and ultimately eliminates galling

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Mandrel Tool Kit - 22 Series

Part No. 652200

Features

- For assembly of Parker 22 Series field attachable fittings
- One of each part listed below is included in the kit

Standard Equipment

Hose I.D.	Dash Size	SAE (JIC) 37°	SAE 45°
3/16	-4	●	●
1/4	-5	●	●
5/16	-6	●	●
13/32	-8	●	●
1/2	-10	●	●
5/8	-12	●	●

Assembly Tools - 22 Series

Part No. 652201

Features

- For assembly of Parker 22 Series field attachable fittings
- One of each part listed below is included in the kit

Standard Equipment

Hose I.D.	Dash Size	SAE (JIC) 37°	SAE 45°
7/8	-16	●	●
1-1/8	-20	●	●
1-3/8	-24	●	●
1-13/16	-32	●	

Mandrel Tool Kit - 23 Series

Part No. 2727 and 2726

Features

- For assembly of Parker 23 Series field attachable fittings
- Part No. 2727 is for JIC 37° flared fittings
- Part No. 2726 is for SAE 45° and PTT 30° flared fittings

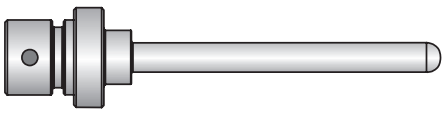
Standard Equipment

Hose I.D.	Dash Size	2727	2726
3/16	-4	●	●
1/4	-5	●	●
5/16	-6	●	●
13/32	-8	●	●
1/2	-10	●	●
5/8	-12	●	●
7/8	-16	●	●

Mandrels - 25 Series

(For 271 Transportation Hose)

Part No. TH2-7M25-6 and TH2-7M25-8



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Visual Index

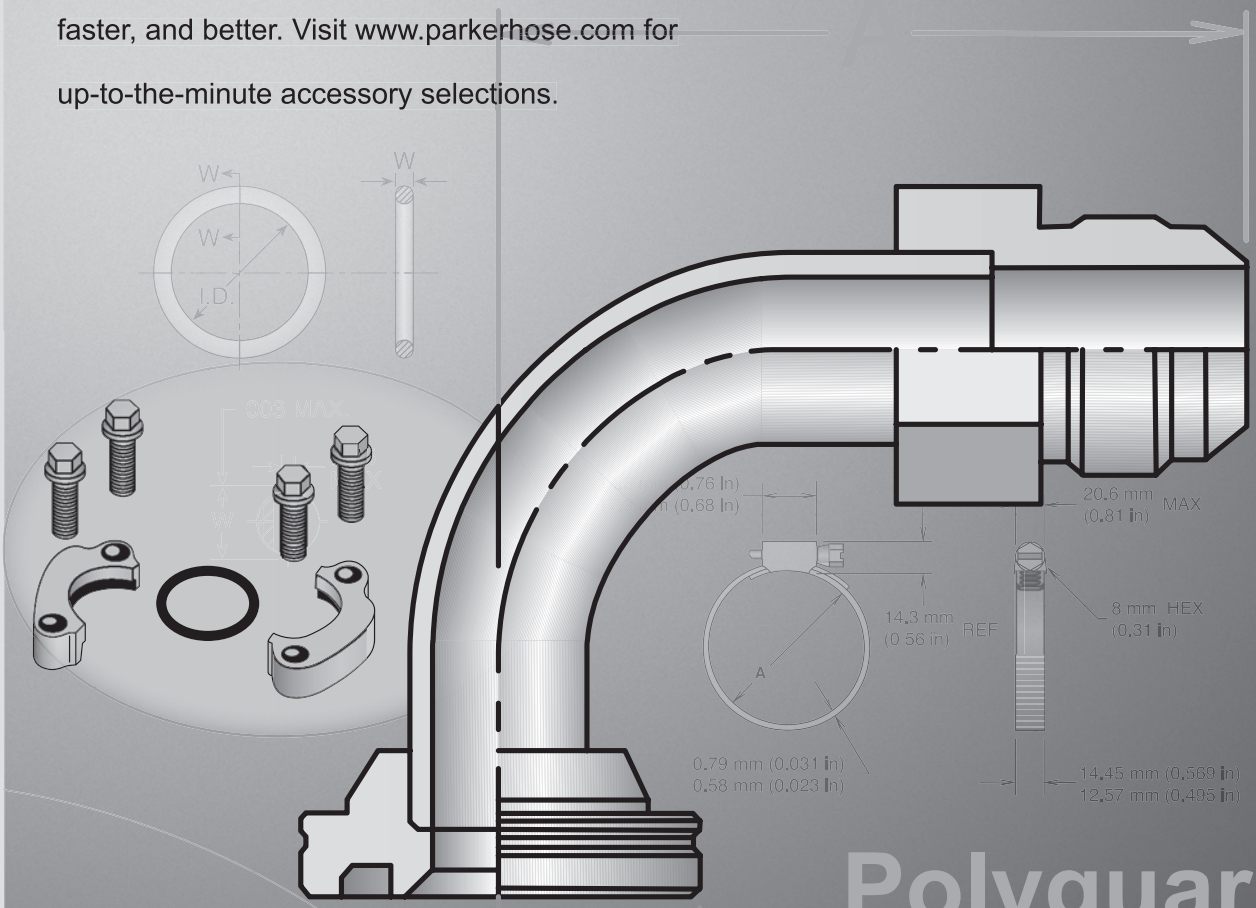
Accessories

ACCESSORIES

More of what you need to work smarter,

faster, and better. Visit www.parkerhose.com for

up-to-the-minute accessory selections.

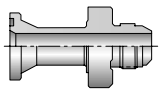
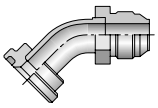
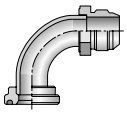
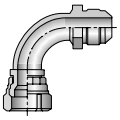
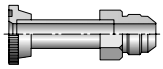
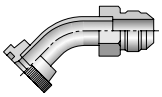
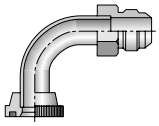
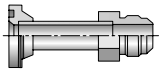
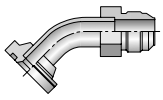
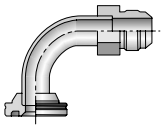
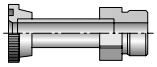
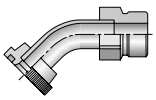
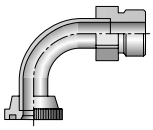
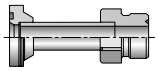
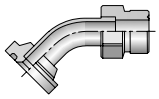
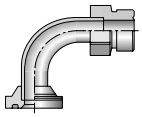
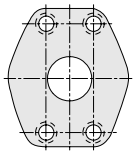
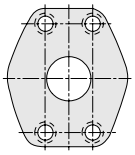
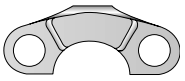
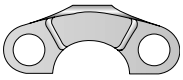
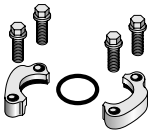
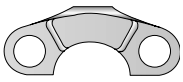
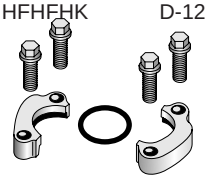
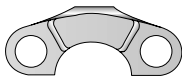
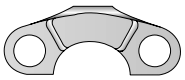
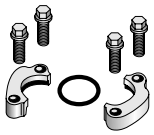
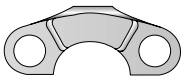
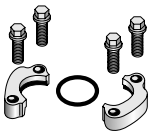
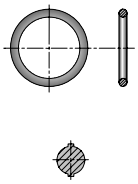
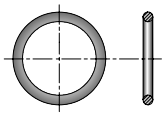
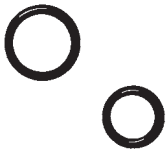
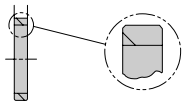


Polyguard

Flange Kits

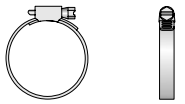
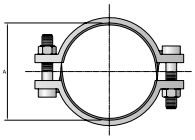
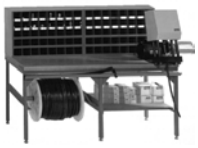
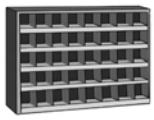
Parker Kart

Fire Sleeve

Hydraulic Flanges	15T3 D-5  *Straight*	17T3 D-5  *45˚ Elbow*	19T3 D-5  *90˚ Elbow*	39T3 D-6  *Swivel Nut 90˚ Tube Elbow*	41T3 D-6 *Swivel Nut 90˚ Tube Elbow - Long*
4AH3 D-6  *Straight*	4FH3 D-7  *45˚ Elbow*	4NH3 D-7  *90˚ Elbow*	6AH3 D-7  *Straight*	6FH3 D-7  *45˚ Elbow*	6NH3 D-8  *90˚ Elbow*
4AJM D-8  *Straight*	4FJM D-8  *45˚ Elbow*	4NJM D-8  *90˚ Elbow*	6AJM D-9  *Straight*	6FJM D-9  *45˚ Elbow*	6NJM D-9  *90˚ Elbow*
Standard Pressure (Code 61) D-10 	High Pressure (Code 62) D-10 	50H D-10  *Flange Half 5000 psi (Code 61)*	5050HK D-11 *Flange 5000 psi (Code 61) Kit*	51H D-11  *Flange Half (Code 61)*	5151HK D-11  *Flange (Code 61) Kit*
HFH D-12  *Flange Half (Code 62)*	HFHFHK D-12  *Flange (Code 62) Kit*	8FH D-12  *Flange Half (8000 psi)*	8FHFHK D-12 *Flange Kit (8000 psi)*	M1H D-13  *ISO (Code 61)*	M1M1HK D-13  *ISO (Code 61) Kit*
M2H D-14  *ISO (Code 62)*	M2M2HK D-14  *ISO (Code 62) Kit*	**O-Rings**	711509 D-15 	711510 D-15 	C9RG D-15 *O-Rings for CA, CE, CF Metric*
C9RG D-15 *O-Rings for C9, OC, 1C Metric Swivels*	D9DT D-15 *Bonded Seal for BSPP Port Fittings*	J0RG D-16 	XARG D-16 *Flange "D" Rings Caterpillar® Style Flanges*	8ARG D-16  *Flange "D" Rings*	59RG D-17 *Tube O-Ring Fittings and Compressor Fittings*
T1RG D-17 *O-Rings for Compression Fittings (IT126)*	CORG D-17	**Hose Guards**	Partek Sleeve D-18	PolyGuard (HG) D-19	ParKoil™ (PG) D-19

Continued

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Spring Guard (SG) D-20 Armor Guard (AG) 	Firesleeve (FS-F) D-21 	FSC Clamp D-21 	Firesleeve Accessories D-22	Firesleeve Assembly Instructions D-22	CL Clamp D-23
HC Clamp D-24 	88HC-H Clamp D-24 	88DB Clamp D-24 	Protection Shields D-25 	***Hose Assembly Workstations***	Hose Assembly Workstations D-26
HoseFab Table D-27 	Rotary Reel Rack D-27 	Saw Table D-27 	3/4 Reel Rack D-27 	Parker Kart D-28 	72B-Cabinet D-28 
HR6 Hose Bin D-28 	***Hose Adapters***	Hose Adapters D4 			

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

SAE/NPT/Metric Hose Adapters

O-Ring Face-Seal Seal-Lok™

Sizes: 6 mm – 38 mm
Materials: Steel, Stainless Steel
Pressures: Up to 9200 psi

O-Ring Face-Seal Metric Seal-Lok™

Sizes: 1/4" – 2"
Materials: Steel, Stainless Steel
Pressures: Up to 9200 psi

37° Flare Fittings Triple-Lok®

Sizes: 1/8" – 2"
Materials: Steel, Stainless Steel, Brass
Pressures: Up to 9000 psi

37° Flare Metric Triple-Lok®

Sizes: 6 mm – 38 mm
Materials: Steel, Stainless Steel
Pressures: Up to 7200 psi

Pipe Fittings and Port Adapters

Sizes: 1/8" – 2"
Materials: Steel, Stainless Steel, Brass
Pressures: Up to 7200 psi

Conversion Adapters

Sizes: 1/4" – 1-1/2"
Materials: Steel, Stainless Steel
Pressures: Up to 7700 psi

Pipe Swivels

Sizes: 1/8" – 2"
Materials: Steel, Stainless Steel
Pressures: Up to 5000 psi

Hydraulic Flange and Flange Adapters

Sizes: 3/4" – 3"
Materials: Steel, Stainless Steel
Pressures: Up to 6000 psi

Japanese Industrial Standard JIS

Sizes: 1/4" – 1"
Materials: Steel
Pressures: Up to 5000 psi

30° Flare Komatsu Style

Sizes: M14 x 1.5 – M33 x 1.5
Materials: Steel
Pressures: Up to 4000 psi

60° Cone BSPP K4

Sizes: 1/8" – 2"
Materials: Steel
Pressures: Up to 5000 psi

How to Order Parker Hose Adapters

When ordering Parker Adapters, please state the Catalogued Number of each type of adapter desired. Be sure to double check tube and hose sizes of items required.

To select proper seal materials for specific applications, refer to Media Compatibility Chart in Tube Fitting Catalog 4300, or contact your Parker Tube Fitting Distributor.

If in doubt about which type or size of fitting to specify, consult your Parker Tube Fitting Distributor. In addition Parker Field Sales, Technical Services, the Tube Fitting Division and your local Parker Service Center will help you find answers to all your issues.

Phone: (614) 279-7070
Fax: (614) 279-7685
Web: http://www.parker.com/tfd

Note: Refer to **Parker Catalog 4300** for more detailed application information.

CALL TOLL-FREE 1-800-C PARKER (1-800-272-7537)

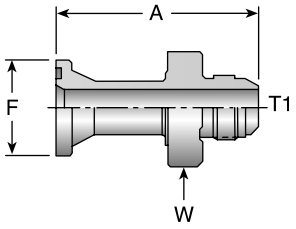
Parker Information Center for catalogs, literature or additional information.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

15T3

SAE (Code 61) Flange – Male SAE (JIC) 37˚ Flare

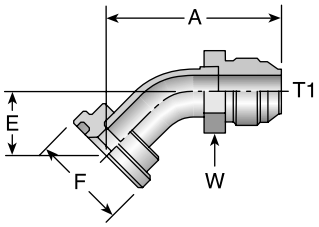
# Part Number	Flange inch	Thread T1		A inch	A mm	W inch	F inch
15T3-8-8	1/2	1/2	3/4x16	2.80	71	1-1/4	1-3/16
15T3-12-12	3/4	3/4	1-1/16x12	3.20	81	1-9/16	1-1/2
15T3-16-12	1	3/4	1-1/16x12	2.68	47	1-1/8	1-3/4
15T3-16-16	1	1	1-5/16x12	3.22	82	1-7/8	1-3/4
15T3-20-16	1-1/4	1	1-5/16x12	2.76	51	1-3/8	2
15T3-20-20	1-1/4	1-1/4	1-5/8x12	3.69	94	2-1/4	2
15T3-24-24	1-1/2	1-1/2	1-7/8x12	4.04	103	2-1/2	2-3/8
15T3-32-32	2	2	2-1/2x12	4.44	113	2-7/8	2-13/16



17T3

SAE (Code 61) Flange – Male SAE (JIC) 37˚ Flare - 45˚ Elbow

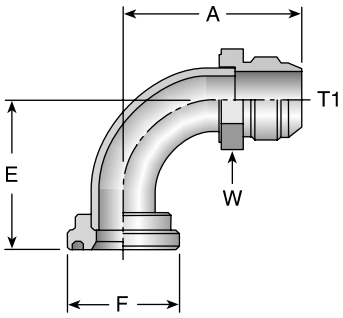
# Part Number	Flange inch	Thread T1		A inch	A mm	E inch	E mm	W inch	F inch
17T3-8-8	1/2	1/2	3/4x16	2.54	65	0.78	20	13/16	1-3/16
17T3-12-12	3/4	3/4	1-1/16x12	2.76	70	1.00	25	1-9/16	1-1/2
17T3-16-12	1	3/4	1-1/16x12	2.76	70	1.00	25	1-1/8	1-3/4
17T3-16-16	1	1	1-5/16x12	2.99	76	1.06	27	1-3/8	1-3/4
17T3-20-16	1-1/4	1	1-5/16x12	2.99	76	1.06	27	1-7/8	2
17T3-20-20	1-1/4	1-1/4	1-5/8x12	3.22	82	1.12	28	1-11/16	2
17T3-24-20	1-1/2	1-1/4	1-5/8x12	3.26	83	1.17	30	1-11/16	2-3/8
17T3-24-24	1-1/2	1-1/2	1-7/8x12	3.43	87	1.12	28	2	2-3/8
17T3-32-32	2	2	2-1/2x12	4.02	102	1.25	32	2-5/8	2-13/16



19T3

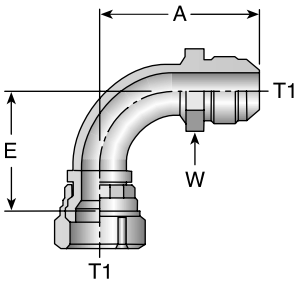
SAE (Code 61) Flange – Male SAE (JIC) 37˚ Flare - 90˚ Elbow

# Part Number	Flange inch	Thread T1		A inch	A mm	E inch	E mm	W inch	F inch
19T3-8-8	1/2	1/2	3/4x16	1.92	49	1.62	41	13/16	1-13/16
19T3-12-12	3/4	3/4	1-1/16x12	2.46	62	2.12	54	1-1/8	1-1/2
19T3-16-12	1	3/4	1-1/16x12	2.46	62	2.12	54	1-3/8	1-3/4
19T3-20-12	1-1/4	3/4	1-1/16x12	2.46	62	2.12	54	1-3/8	2
19T3-16-16	1	1	1-5/16x12	2.79	71	2.37	60	1-3/8	1-3/4
19T3-20-16	1-1/4	1	1-5/16x12	2.79	71	2.37	60	1-3/8	2
19T3-24-16	1-1/2	1	1-5/16x12	2.79	71	2.44	62	1-11/16	2-3/8
19T3-20-20	1-1/4	1-1/4	1-5/8x12	3.12	79	2.50	64	1-11/16	2
19T3-24-20	1-1/2	1-1/4	1-5/8x12	3.12	79	2.56	65	1-11/16	2-3/8
19T3-20-24	1-1/4	1-1/2	1-7/8x12	3.48	88	2.69	68	2	2
19T3-24-24	1-1/2	1-1/2	1-7/8x12	3.48	88	2.75	70	2	2-3/8
19T3-32-24	2	1-1/2	1-7/8x12	3.48	88	2.75	70	2	2-13/16
19T3-32-32	2	2	2-1/2x12	5.61	142	4.50	114	2-5/8	2-13/16



Caution: Do not use the T3 flange to tube or swivel nut to tube adapter in hose assembly applications in which pressures exceed the SAE100R2 working pressure range.

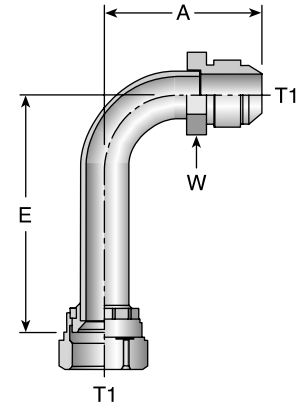
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



39T3

Male - Female Swivel - SAE (JIC) 37˚ - 90˚ Elbow

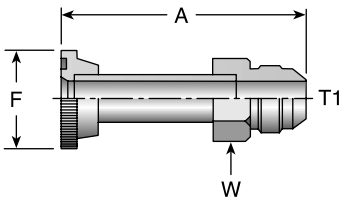
# Part Number	Thread T1		A inch	A mm	E inch	E mm	W inch
39T3-6-6	3/8	9/16x18	1.61	41	0.85	22	5/8
39T3-8-8	1/2	3/4x16	1.86	47	1.09	28	13/16
39T3-10-10	5/8	7/8x14	2.13	54	1.24	31	15/16
39T3-12-12	3/4	1-1/16x12	2.62	67	1.81	46	1-1/8
39T3-16-16	1	1-5/16x12	2.94	75	2.14	54	1-3/8
39T3-20-20	1-1/4	1-5/8x12	3.12	79	2.59	66	1-11/16



41T3

Male - Female Swivel - SAE (JIC) 37˚ - 90˚ Elbow - Long

# Part Number	Thread T1		A inch	A mm	E inch	E mm	W inch
41T3-8-8	1/2	3/4x16	1.94	49	2.43	62	13/16
41T3-10-10	5/8	7/8x14	2.20	56	2.57	65	15/16
41T3-12-12	3/4	1-1/16x12	2.50	64	3.74	95	1-1/8
41T3-16-16	1	1-5/16x12	2.79	71	4.23	107	1-3/8



4AH3

SAE Code 61 Flange - Male SAE (JIC) 37˚ Flare - 5000 psi

# Part Number	Flange inch	Thread T1		A inch	A mm	W inch	F inch
4AH3-12-12	3/4	3/4	1-1/16x12	3.82	97	1-1/8	1-1/2
4AH3-16-16	1	1	1-5/16x12	4.09	104	1-3/8	1-3/4
4AH3-20-20	1-1/4	1-1/4	1-5/8x12	4.16	106	1-3/4	2
4AH3-24-24	1-1/2	1-1/2	1-7/8x12	4.97	126	2	2-3/8

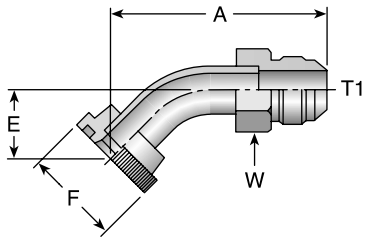
Caution: Do not use the T3 flange to tube or swivel nut to tube adapter in hose assembly applications in which pressures exceed the SAE100R2 working pressure range.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

4FH3

SAE Code 61 Flange - Male SAE (JIC) 37˚ Flare - 5000 psi - 45˚ Elbow

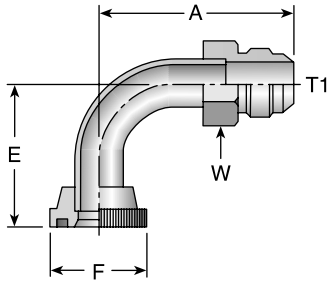
# Part Number	Flange inch	Thread T1		A inch	A mm	E inch	E mm	W inch	F inch
4FH3-12-12	3/4	3/4	1-16x12	3.39	86	1.06	27	1-1/8	1-1/2
4FH3-16-16	1	1	1-5/16x12	3.85	98	1.27	32	1-3/8	1-3/4
4FH3-20-20	1-1/4	1-1/4	1-5/8x12	4.22	107	1.36	35	1-3/4	2



4NH3

SAE Code 61 Flange - Male SAE (JIC) 37˚ Flare - 5000 psi - 90˚ Elbow

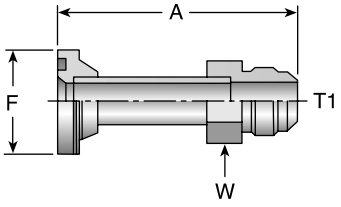
# Part Number	Flange inch	Thread T1		A inch	A mm	E inch	E mm	W inch	F inch
4NH3-8-8	1/2	1/2	3/4x16	1.93	49	1.68	43	13/16	1-13/16
4NH3-12-12	3/4	3/4	1-1/16x12	3.07	78	2.24	57	1-1/8	1-1/2
4NH3-16-16	1	1	1-5/16x12	3.25	83	2.48	63	1-3/8	1-3/4
4NH3-20-20	1-1/4	1-1/4	1-5/8x12	4.68	119	2.99	76	1-3/4	2
4NH3-24-24	1-1/2	1-1/2	1-7/8x12	3.92	100	3.64	92	2	2-3/8



6AH3

SAE Code 62 Flange - Male SAE (JIC) 37˚ Flare

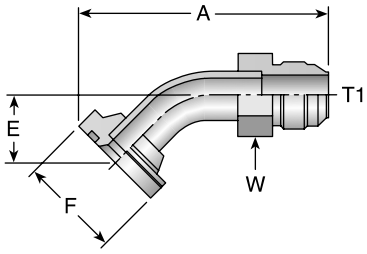
# Part Number	Flange inch	Thread T1		A inch	A mm	W inch	F inch
6AH3-12-12	3/4	3/4	1-1/16x12	3.82	97	1-1/8	1-5/8
6AH3-16-16	1	1	1-5/16x12	4.09	104	1-3/8	1-7/8
6AH3-20-20	1-1/4	1-1/4	1-5/8x12	4.16	106	1-3/4	2-1/8
6AH3-24-24	1-1/2	1-1/2	1-7/8x12	4.97	126	2	2-1/2



6FH3

SAE Code 62 Flange - Male SAE (JIC) 37˚ Flare - 45˚ Elbow

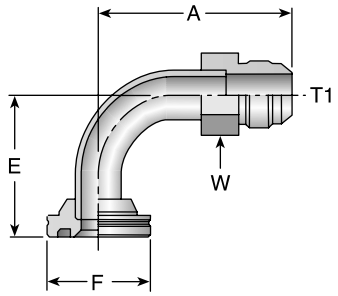
# Part Number	Flange inch	Thread T1		A inch	A mm	E inch	E mm	W inch	F inch
6FH3-12-12	3/4	3/4	1-1/16x12	3.40	86	1.06	27	1-1/8	1-5/8
6FH3-16-16	1	1	1-5/16x12	3.85	98	1.28	33	1-3/8	1-7/8
6FH3-20-20	1-1/4	1-1/4	1-5/8x12	4.22	107	1.36	35	1-3/4	2-1/8
6FH3-24-24	1-1/2	1-1/2	1-7/8x12	5.13	130	1.71	43	2	2-1/2



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

6NH3

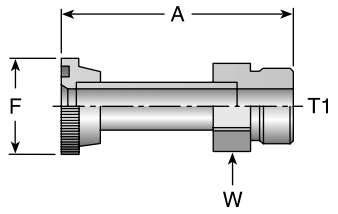
SAE Code 62 Flange - Male SAE (JIC) 37˚ Flare - 90˚ Elbow



# Part Number	Flange inch	Thread T1		A inch	A mm	E inch	E mm	W inch	F inch
6NH3-12-12	3/4	3/4	1-1/16x12	3.07	78	2.24	57	1-1/8	1-5/8
6NH3-16-16	1	1	1-5/16x12	3.58	91	2.81	71	1-3/8	1-7/8
6NH3-20-20	1-1/4	1-1/4	1-5/8x12	4.68	119	2.99	76	1-3/4	2-1/8
6NH3-24-24	1-1/2	1-1/2	1-7/8x12	3.92	100	3.64	92	2	2-1/2

4AJM

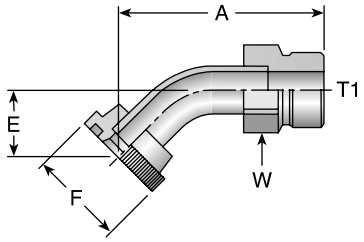
Code 61 Flange - Male Seal-Lok



# Part Number	Flange inch	Thread T1	A inch	A mm	W inch	F inch
4AJM-12-12	1x1/2	1-3/16x12	3.65	93	1-1/4	1-1/2
4AJM-16-16	1x3/4	1-7/16x12	3.90	99	1-1/2	1-3/4
4AJM-20-20	2	1-11/16x12	3.92	100	1-3/4	2

4FJM

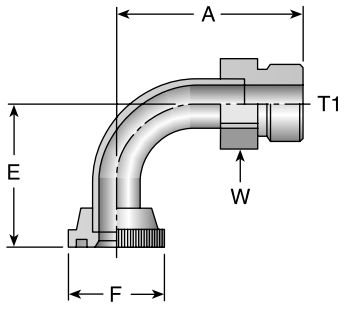
Code 61 Flange - Male Seal-Lok - 45˚ Elbow



# Part Number	Flange inch	Thread T1	A inch	A mm	E inch	E mm	W inch	F inch
4FJM-12-12	1x1/2	1-3/16x12	3.22	82	1.06	27	1-1/4	1-1/2
4FJM-16-16	1x3/4	1-7/16x12	3.64	92	1.27	33	1-1/2	1-3/4
4FJM-20-20	2	1-11/16x12	3.99	101	1.36	35	1-3/4	2

4NJM

Code 61 Flange - Male Seal-Lok - 90˚ Elbow



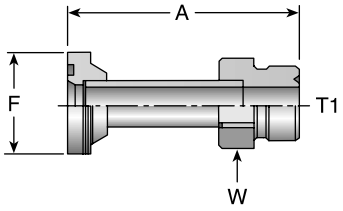
# Part Number	Flange inch	Thread T1	A inch	A mm	E inch	E mm	W inch	F inch
4NJM-12-12	1x1/2	1-3/16x12	2.90	74	2.24	57	1-1/4	1-1/2
4NJM-16-16	1x3/4	1-7/16x12	3.38	86	2.81	71	1-1/2	1-3/4
4NJM-20-20	2	1-11/16x12	4.44	113	2.99	76	1-3/4	2

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

6AJM

Code 62 Flange - Male Seal-Lok

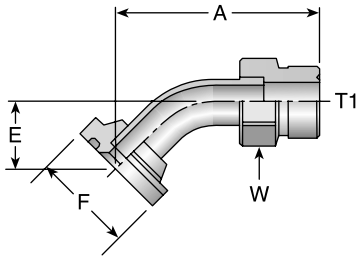
# Part Number	Flange inch	Thread T1	A inch	A mm	W inch	F inch
6AJM-12-12	1x1/2	1-3/16x12	3.65	93	1-1/4	1-5/8
6AJM-16-16	1-7/16x12	1-7/16x12	3.90	99	1-1/2	1-7/8
6AJM-20-20	2-1/8	1-11/16x12	3.92	100	1-3/4	2-1/8



6FJM

Code 62 Flange - Male Seal-Lok - 45˚ Elbow

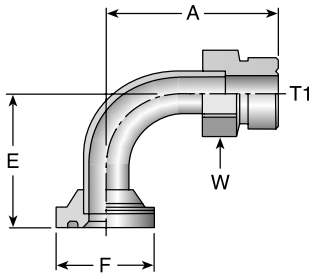
# Part Number	Flange inch	Thread T1	A inch	A mm	E inch	E mm	W inch	F inch
6FJM-12-12	1x1/2	1-3/16x12	3.22	82	1.06	27	1-1/4	1-5/8
6FJM-16-16	1-7/16x12	1-7/16x12	3.64	92	1.27	33	1-1/2	1-7/8
6FJM-20-20	2-1/8	1-11/16x12	3.99	101	1.36	35	1-3/4	2-1/8



6NJM

Code 62 Flange - Male Seal-Lok - 90˚ Elbow

# Part Number	Flange inch	Thread T1	A in	A mm	E in	E mm	W inch	F inch
6NJM-12-12	1x1/2	1-3/16x12	2.90	74	2.24	57	1-1/4	1-5/8
6NJM-16-16	1-7/16x12	1-7/16x12	3.38	86	2.81	71	1-1/2	1-7/8
6NJM-20-20	2-1/8	1-11/16x12	4.44	113	2.99	76	1-3/4	2-1/8



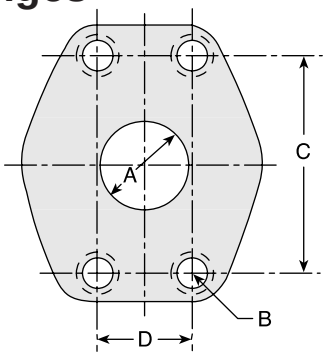
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

SAE J518 port dimensions for 4-Bolt Split Flanges

There are two non-interchangeable SAE split flanges:

a: Standard or Code 61 is for 3,000psi to 5,000psi maximum, depending on size.
b. High Pressure or Code 62 is for 6,000psi maximum, regardless of size. The flange head is "V" notched for identification.

Consult these tables to determine flange halves and flange kits specifications.



Standard Pressure (Code 61)

Nominal Flange	Flange Dash Size	A Dia Max		B Thread	C		D		Maximum Working Pressure	
					±0.010	±0,25	±0.010	±0,25		
		inch	mm	inch	inch	mm	inch	mm	psi	MPa
1/2	-8	0.50	13	5/16x18	1.50	38,10	0.68	17,47	5,000	34,5
3/4	-12	0.75	19	3/8x16	1.88	47,63	0.87	22,22	5,000	34,5
1	-16	1.00	25	3/8x16	2.06	52,37	1.03	26,18	5,000	34,5
1 1/4	-20	1.25	32	7/16x14	2.31	58,72	1.18	30,17	4,000*	27,6
1 1/2	-24	1.50	38	1/2x13	2.75	69,85	1.40	35,71	3,000*	20,7
2	-32	2.00	51	1/2x13	3.06	77,77	1.68	42,87	3,000*	20,7

Note: *5000 psi with 4A, 4F and 4N Fittings and 50H Flange Halves.

High Pressure (Code 62)

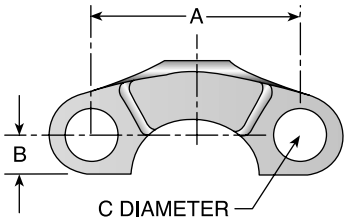
Nominal Flange	Flange Dash SIze	A Dia Max		B Thread	C		D		Maximum Working Pressure	
					±0.010	±0,25	±0.010	±0,25		
		inch	mm	inch	inch	mm	inch	mm	psi	MPa
3/4	-12	0.75	19	3/8x16	2.00	47,75	0.88	22,35	6,000	41,4
1	-16	1.00	25	7/16x14	2.25	57,15	1.09	27,76	6,000	41,4
1-1/4	-20	1.25	32	1/2x13	2.63	66,67	1.25	31,75	6,000	41,4
1-1/2	-24	1.50	38	5/8x11	3.13	79,37	1.43	36,49	6,000	41,4
2	-32	2.00	51	3/4x10	3.81	96,82	1.75	44,45	6,000	41,4

50H

5000 psi Flange Half (Code 61)

# Part Number	SAE Flange Size	A	B	C	Maximum Working Pressure
	inch	inch	inch	inch	psi
50H-20	1-1/4	2.31	0.55	0.47	5,000
50H-24	1-1/2	2.75	0.66	0.53	5,000
50H-32	2	3.06	0.80	0.53	5,000

Note: For use with 4A, 4F and 4N Flanges.



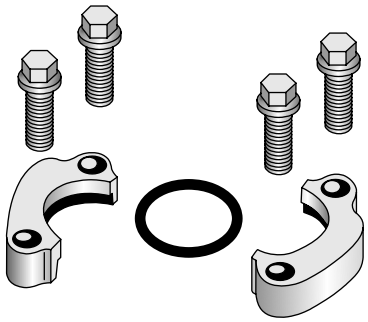
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

5050HK

5000 psi Flange Kit (Code 61)

# Part Number	SAE Flange Size inch	Maximum Working Pressure (psi)	(2) Flange Halves	O-Ring	(4) Bolts Grade 8 Thread inch	(4) Bolts Grade 8 Length inch	(4) Washers
5050HK-20	1-1/4	5,000	50H-20	711510-3	7/16x14	1-1/2	7/16
5050HK-24	1-1/2	5,000	50H-24	711510-2	1/2x13	1-1/2	1/2
5050HK-32	2	5,000	50H-32	711510-1	1/2x13	1-1/2	1/2

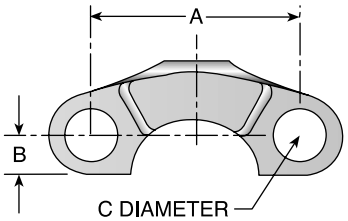
Note: For use with 4A, 4F and 4N Flanges.



51H

SAE Flange Half (Code 61)

# Part Number	SAE Flange Size inch	A inch	B inch	C inch	Maximum Working Pressure psi
51H-8	1/2	1.50	0.31	0.34	5,000
51H-12	3/4	1.88	0.40	0.41	5,000
51H-16	1	2.06	0.48	0.41	5,000
51H-20	1-1/4	2.31	0.56	0.47	4,000
51H-24	1-1/2	2.75	0.67	0.53	3,000
51H-32	2	3.06	0.81	0.53	3,000
51H-40	2-1/2	3.50	0.96	0.53	2,500

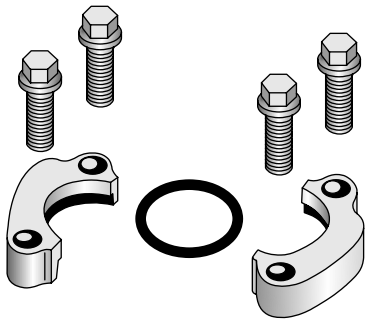


5151HK

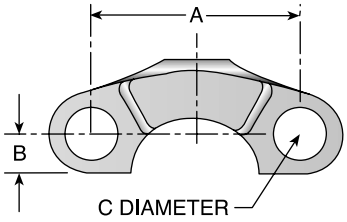
SAE Flange Kit (Code 61)

# Part Number	SAE Flange Size inch	Maximum Working Pressure (psi)	(2) Flange Halves	O-Ring	(4) Bolts Grade 8 Thread inch	(4) Bolts Grade 8 Length inch	(4) Washers
5151HK-8	1/2	5,000	51H-8	711510-6	5/16x18	1-1/4	5/16
5151HK-12	3/4	5,000	51H-12	711510-5	3/8x16	1-1/4	3/8
5151HK-16	1	5,000	51H-16	711510-4	3/8x16	1-1/4	3/8
5151HK-20	1-1/4	4,000	51H-20	711510-3	7/16x14	1-1/2	7/16
5151HK-24	1-1/2	3,000	51H-24	711510-2	1/2x13	1-1/2	1/2
5151HK-32	2	3,000	51H-32	711510-1	1/2x13	1-1/2	1/2
5151HK-40	2-1/2	2,500	51H-40	711510-7	1/2x13	1-3/4	1/2
5151HK-48	3	2,000	51H-48	711510-8	5/8-11	1-3/4	5/8

Note: High pressure applications also require the use of Code 61 Flange End hose fittings.



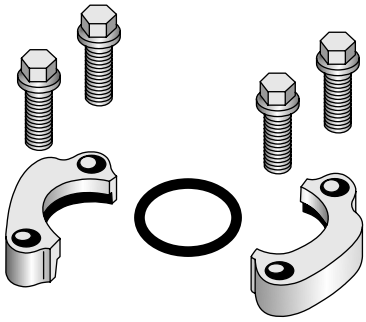
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



HFH

SAE Flange Half (Code 62)

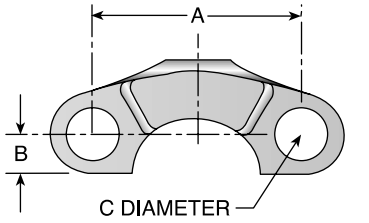
# Part Number	SAE Flange Size inch	A inch	B inch	C inch	Maximum Working Pressure psi
HFH-12	3/4	2.00	0.43	0.41	6,000
HFH-16	1	2.25	0.51	0.47	6,000
HFH-20	1 1/4	2.62	0.59	0.53	6,000
HFH-24	1 1/2	3.12	0.68	0.66	6,000
HFH-32	2	3.81	0.84	0.78	6,000



HFHFHK

SAE Flange Kit (Code 62)

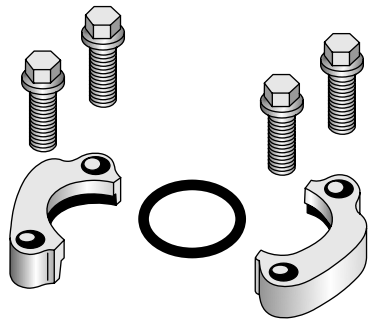
# Part Number	SAE Flange Size inch	Maximum Working Pressure psi	(2) Flange Halves	O-Ring	(4) Bolts Grade 8 Thread inch	(4) Bolts Grade 8 Length inch	(4) Washers
HFHFHK-12	3/4	6,000	HFH-12	711510-5	3/8x16	1-1/2	3/8
HFHFHK-16	1	6,000	HFH-16	711510-4	7/16x14	1-3/4	7/16
HFHFHK-20	1-1/4	6,000	HFH-20	711510-3	1/2x13	1-3/4	1/2
HFHFHK-24	1-1/2	6,000	HFH-24	711510-2	5/8x11	2-1/4	5/8
HFHFHK-32	2	6,000	HFH-32	711510-1	3/4x10	2-3/4	3/4



8FH

Flange Half (8000 psi)

# Part Number	SAE Flange Size inch	A inch	B inch	C inch	Maximum Working Pressure psi
8FH-12	3/4	2.00	0.43	0.41	8,000
8FH-16	1	2.25	0.51	0.47	8,000



8FHFHK

Flange Kit (8000 psi)

# Part Number	SAE Flange Size inch	Maximum Working Pressure psi	(2) Flange Halves	D-Ring	(4) Bolts Grade 8 Thread inch	(4) Bolts Grade 8 Length inch	(4) Washers
8FHFHK-12	3/4	8,000	8FH-12	8ARG-12	3/8-16	1-3/4	3/8
8FHFHK-16	1	8,000	8FH-16	8ARG-16	7/16-14	1-3/4	7/16

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

DIN and ISO Metric Ports

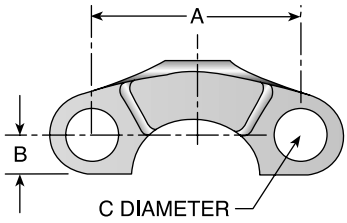
DIN (German) and ISO (International Organization for Standardization) flange heads are the same as SAE flange heads. By comparison, the ports have the same configuration except that the DIN and ISO Type I ports accept metric bolts. This requires special flange halves in most sizes.

SAE J518	DIN 20078	ISO 6162 Type I
Code 61	Form R	3,5 to 35 MPa Series
Code 62	Form S	35 to 40 MPa Series

M1H

DIN (ISO) Flange Half

# Part Number	DIN Flange Size	ISO Flange Size	A mm	B mm	C mm	Maximum Working Pressure psi	MPa
M1H-8	8	13	38	8	9	5,000	34,5
M1H-12	12	19	48	10	11	5,000	34,5
M1H-16	16	25	52	12	11	5,000	34,5
M1H-20	20	32	59	14	11	4,000	27,6
M1H-24	24	38	70	17	13.5	3,000	20,7
M1H-32	32	51	78	21	13.5	3,000	20,7

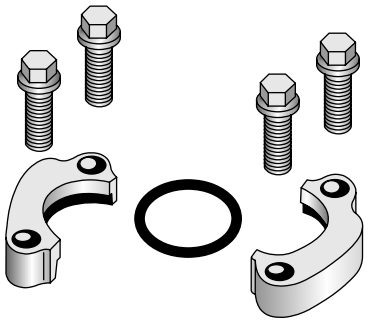


Note: High pressure applications also require the use of Code 62 Flange End hose fittings.

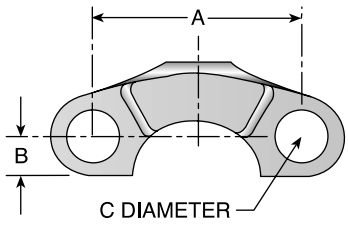
M1M1HK

DIN (ISO) Flange Kit (Code 61)

# Part Number	DIN Flange Size	ISO Flange Size	Maximum Working Pressure psi	MPa	(2) Flange Halves	O-Ring	(4) Bolts Thread mm	Length mm	(4) Washers
M1M1HK-8	8	13	5,000	34,5	M1H-8	711510-6	M8x1.25	30	10
M1M1HK-12	12	19	5,000	34,5	M1H-12	711510-5	M10x1.50	30	10
M1M1HK-16	16	25	5,000	34,5	M1H-16	711510-4	M10x1.50	30	10
M1M1HK-20	20	32	4,000	27,6	M1H-20	711510-3	M10x1.50	40	10
M1M1HK-24	24	38	3,000	20,7	M1H-24	711510-2	M12x1.75	40	12
M1M1HK-32	32	51	3,000	20,7	M1H-32	711510-1	M12x1.75	40	12
M1M1HK-40	40	64	2,500	17,2	M1H-40	711510-7	M12x1.75	45	12



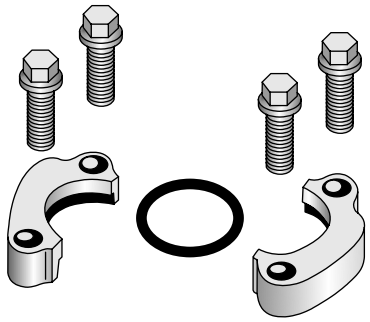
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



M2H

DIN (ISO) Flange Half (Code 62)

# Part Number	DIN Flange Size	ISO Flange Size	A mm	B mm	C mm	Maximum Working Pressure psi	Maximum Working Pressure MPa
M2H-8	8	13	41	8	9	6,000	41,5
M2H-12	12	19	51	11	11	6,000	41,5
M2H-16	16	25	57	13	13,5	6,000	41,5
M2H-20	20	32	67	15	13,5	6,000	41,5
M2H-24	24	38	79	17	17,5	6,000	41,5
M2H-32	32	51	97	21	22	6,000	41,5



M2M2HK

DIN (ISO) Flange Kit (Code 62)

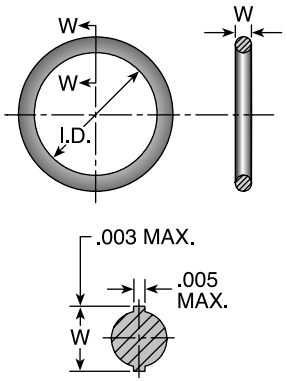
# Part Number	DIN Flange Size	ISO Flange Size	Maximum Working Pressure psi	Maximum Working Pressure MPa	(2) Flange Halves	O-Ring	(4) HHCS Thread mm	(4) HHCS Length mm	(4) Washers
M2M2HK-8	8	13	6,000	41,5	M2H-8	711510-6	M8x1.25	30	8
M2M2HK-12	12	19	6,000	41,5	M2H-12	711510-5	M10x1.50	35	10
M2M2HK-16	16	25	6,000	41,5	M2H-16	711510-4	M12x1.75	45	12
M2M2HK-20	20	32	6,000	41,5	M2H-20	711510-3	M12x1.75	45	12
M2M2HK-24	24	38	6,000	41,5	M2H-24	711510-2	M16x2.00	55	16
M2M2HK-32	32	51	6,000	41,5	M2H-32	711510-1	M20x2.50	70	20

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

711509

O-Rings - SAE Thread (Compound N552-90)*

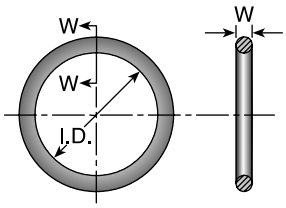
# Part Number	Tube Dash Size	Tube O.D.	SAE Thread	W		I.D.	
		inch	inch	inch	mm	inch	mm
711509-1	-4	1/4	7/16x20	0.072	1,83	0.351	8,92
711509-2	-5	5/16	1/2x20	0.072	1,83	0.414	10,52
711509-3	-6	3/8	9/16x20	0.078	1,98	0.468	11,89
711509-4	-8	1/2	3/4x16	0.087	2,21	0.644	16,36
711509-5	-10	5/8	7/8x14	0.097	2,46	0.755	19,18
711509-6	-12	3/4	1-1/16x12	0.116	2,95	0.924	74,93
711509-7	-16	1	1-5/16x12	0.116	2,95	1.171	29,74
711509-8	-20	1-1/4	1-5/8x12	0.118	3,00	1.475	37,47
711509-9	-24	1-1/2	1-7/8x12	0.118	3,00	1.720	43,69
711509-10	-32	2	2-1/2x12	0.118	3,00	2.337	59,36



711510

O-Rings - Code 61 and Code 62 Flanges (Compound N552-90)*

# Part Number	Flange Dash Size	Flange Size	W		I.D.	
		inch	inch	mm	inch	mm
711510-6	-8	1/2	0.14	3,53	0.73	18,64
711510-9*	-10	5/8	0.14	3,53	0.79	20,20
711510-5	-12	3/4	0.14	3,53	0.98	25,00
711510-4	-16	1	0.14	3,53	1.29	32,92
711510-3	-20	1-1/4	0.14	3,53	1.48	37,69
711510-2	-24	1-1/2	0.14	3,53	1.85	47,22
711510-1	-32	2	0.14	3,53	2.23	56,74
711510-7	-40	2-1/2	0.14	3,53	2.73	69,44
711510-8	-48	3	0.14	3,53	3.35	85,32



***Note:** For use with petroleum base fluids, other compounds available for Phosphate Ester fluids. Please contact The Parker Hannifin Seal Group/O-Ring Division (1-800-C-PARKER) for additional information.

C9RG

O-Rings for CA, CE, CF Metric

# Part Number	W	I.D.
	mm	mm
C9RG-8	1,5	6,0
C9RG-10	1,5	7,5
C9RG-12	1,5	9,0
CARG-15	2,0	12,0
CARG-18	2,0	15,0
CARG-22	2,0	20,0
CARG-28	2,0	26,0

C9RG

O-Rings for C9, OC, 1C Metric Swivels

# Part Number	W	I.D.
	mm	mm
C9RG-8	1,5	6,0
C9RG-10	1,5	7,5
C9RG-12	1,5	9,0
C9RG-14	2,0	10,0
C9RG-20	2,4	16,3
C9RG-25	2,4	20,3
C9RG-30	2,4	25,3
C9RG-38	2,5	33,0

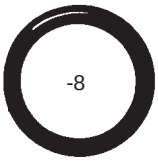
D9DT

Bonded Seal for BSPP Port Fittings

# Part Number	I.D.		O.D.	
	Inch	mm	Inch	mm
D9DT-4	0.54	13,7	0.81	20,6
D9DT-6	0.68	17,3	0.94	23,9
D9DT-8	0.85	21,6	1.13	28,7
D9DT-10	0.93	23,6	1.25	31,8
D9DT-12	1.06	27,0	1.38	35,1
D9DT-16	1.33	33,8	1.68	42,7

***Note:** D9DT must be ordered from the Tube Fittings Division. Please contact TFD for additional size and product information.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



SAE 711509-4

Seal-Lok J0RG-8

Photo shows an actual comparison between an SAE port O-Ring (top) and a Seal-Lok® O-Ring (bottom). They differ in both diameter and cross section.

J0RG

O-Rings - Seal-Lok®

Part Number	Tube Dash Size	Tube O.D.	SAE Thread	I.D.		O.D.	
		Inch	Inch	Inch	mm	Inch	mm
J0RG-4	-4	1/4	9/16x18	0.301	7,65	0.070	1,78
J0RG-6	-6	3/8	11/16x16	0.364	9,25	0.070	1,78
J0RG-8	-8	1/2	13/16x16	0.489	12,42	0.070	1,78
J0RG-10	-10	5/8	1x14	0.614	15,59	0.070	1,78
J0RG-12	-12	3/4	1-3/16x12	0.739	18,77	0.070	1,78
J0RG-16	-16	1	1-7/16x12	0.926	23,52	0.070	1,78
J0RG-20	-20	1-1/4	1-11/16x12	1.176	29,87	0.070	1,78
J0RG-24	-24	1-1/2	2x12	1.489	37,82	0.070	1,78

Note: O-Rings for use in Seal-Lok® connections are illustrated in actual size. Part numbers for O-Rings used in Seal-Lok® and in SAE port connections are also listed in the table. O-Rings are supplied in Nitrile NBR compound, 90 durometer hardness.

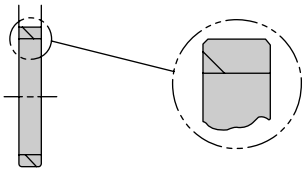
XARG

Flange "D" Rings Caterpillar® Style Flanges

Part Number	Flange Size	Dash Size	I.D.		O.D.	
			Inch	mm	Inch	mm
XARG-12	3/4	-12	0.20	5,0	1.00	25,4
XARG-16	1	-16	0.20	5,0	1.25	31,8
XARG-20	1-1/4	-20	0.20	5,0	1.50	38,1
XARG-24	1-1/2	-24	0.20	5,0	1.75	44,5
XARG-32	2	-32	0.20	5,0	2.52	63.9

8ARG

Flange "D" Rings for 76 Series Style Flange



Part Number	Flange Size	Dash Size	Seal Thickness		Seal I.D.	
			Inch	mm	Inch	mm
8ARG-12	3/4	-12	0.20	5,0	1.00	25,4
8ARG-16	1	-16	0.20	5,0	1.25	31,9

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

59RG

O-Rings for Tube O-Ring Fittings and Compressor Fittings

Part Number	Tube O.D. Inch	Tube Dash Size	Parker Seal Number
59RG-6	3/8	-6	2-011
59RG-8	1/2	-8	2-013
59RG-10	5/8	-10	2-015
59RG-12	3/4	-12	2-017

Note: The above O-Rings (RG) have HNBR compound number N1195-70 (green).

T1RG

O-Rings for Compression Fittings (1T126)

Part Number	Tube O.D. Inch	Tube Dash Size	Parker Seal Number
T1RG-6	3/8	-6	2-012
T1RG-8	1/2	-8	2-014
T1RG-10	5/8	-10	2-016
T1RG-12	3/4	-12	2-018

Charge Ports Caps R134a

Part Number	Fitting Size	Fitting Shape	Port Type	
			Flow	Side
940199	-6 & -8	Straight	High	High
940200	-10 & -12	Straight	High	Low
940188	-6 & -8	Elbows	Standard	High
940189	-10 & -12	Elbows	Standard	Low

R12

Part Number	Thread
940249	7/16x20

CORG

Captive O-Ring Assembly Tools

Parker's new CORG Assembly Tools are designed to facilitate the installation of the O-Ring into the half-dovetail groove of the O-Ring face seal fitting.

Fitting Size	Hand Type Part Number	Bench Type Part Number
-4	CORG-4	CORG-AT04 Bench
-6	CORG-6	CORG-AT06 Bench
-8	CORG-8	CORG-AT08 Bench
-10	CORG-10	CORG-AT10 Bench
-12	CORG-12	CORG-AT12 Bench
-16	CORG-16	CORG-AT16 Bench
-20	CORG-20	CORG-AT20 Bench
-24	CORG-24	CORG-AT24 Bench
-32	CORG-32	

Bench Type

Hand Type

Note: CORG Assembly Tools must be ordered from the Tube Fittings Division (614) 279-7070.

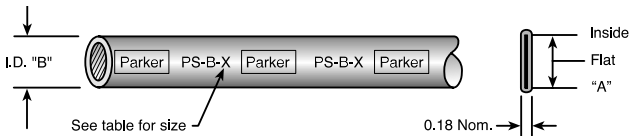
Note: O-Rings listed are for use with petroleum base fluids. Other compounds are available for Phosphate Ester fluids by special order. For Viton® or other O-Ring compounds, consult Parker Hannifin, Seal/O-Rings Products Division (1-800-C-PARKER.)

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

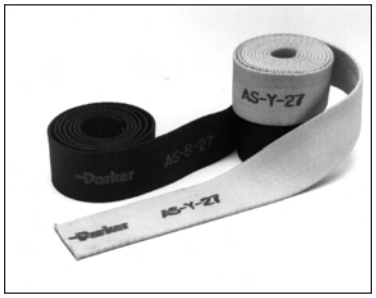
Accessory Selection Guide – Partek Sleeve (AS-B, AS-Y or PS)

Parker's Partek Nylon Protective Sleeving gives you tough hose abrasion protection two ways. First, per the ISO 6945 specification, Partek has a unique tubular weave nylon construction, Partek "AS" is strong enough to withstand greater than 200,000 abrasion cycles without wearing through the fabric at any location. Partek "PS" can withstand greater than 50,000 abrasion cycles. In addition, this weave also gives an exceptionally smooth interior wall, allowing rubber hose to move freely inside the sleeve. This provides easy installation and prevents any internal abrasion problems. Partek sleeving is available in either black or yellow and in sizes to fit most hydraulic hose. Partek, the quick and easy solution to hose protection in high-abrasion areas.

Temperature Range: -67°F to +248°F (-53°C to +120°C)



Note: The inside flat "A" dimension corresponds with the inside diameter "B" dimension. For example, AS-Y-13 flat surface "A" is 1.34 in. This offers a .86 in. inside diameter "B". Hose with a smaller O.D. can be specified for this size sleeve. Parker 201-5 hose has a .58 in. O.D. and can easily be inserted in the Partek AS-Y-13 Sleeve.



Partek Sleeve

Partek "PS" Sleeve

Partek Sleeve (Black) Part Number	Partek Sleeve (Yellow) Part Number	Partek PS Sleeve (Black) Part Number	Inside Dia. A inch	Inside Dia. B inch	SS23CG SS25UL 201 221FR 206, 225 244 266	213 285 293	302 301LT 304 341 421WC BXX	422, AX, 424 426, 431, 436 351TC/ST 451TC/ST 471TC/ST 472TC 482TC/ST	601	701 721, 721TC 772TC/ST 774 782TC/ST 792TC/ST	731 P35, 781 782TC/ST 791TC 792TC/ST	801 804 821 821FR 831, 836	811 881 881HT
AS-B-11	AS-Y-11		1.07	0.69	-4	-4		-3/-4				-4	
AS-B-13	AS-Y-13	PS-B-13	1.34	0.86	-5/-6	-5/-6	-4/-5	-5/-6	-4/-5			-5/-6	
AS-B-15	AS-Y-15	PS-B-15	1.66	1.06	-8	-8/-10	-6	-8	-6	-6		-8	
AS-B-17	AS-Y-17	PS-B-17	1.92	1.22	-10	-12	-8/-10	-10	-8	-8		-10	
AS-B-19	AS-Y-19		2.12	1.35	-12		-12	-12	-10	-10	-8	-12	
		PS-B-22	2.24	1.42	-12		-12	-12		-10		-12	
AS-B-22	AS-Y-22	PS-B-22	2.24	1.42	-16	-16			-12	-12	-10		-12
AS-B-27	AS-Y-27		2.55	1.63				-16			-12	-16	
		PS-B-33	2.85	1.81				-16			-12	-16	
AS-B-33	AS-Y-33	PS-B-33	2.85	1.81	-20	-20	-16		-16	-16	-16		-16
	AS-Y-35	PS-B-35	3.43	2.19	-24	-24		-20					-20
AS-B-37	AS-Y-37	PS-B-37	3.73	2.38			-20	-24		-20	-20		
		PS-B-39	4.12	2.63	-32	-32	-24			-24	-24		-24
		PS-B-45	4.12	2.88			-32	-32			-32		-32
		PS-B-47	4.90	3.13	-40	-40				-32			
AS-B-58			5.69	3.63	-48	-48							-48
AS-B-64			6.18	4.00									

Note: 1. The dimensions shown are related to the hose outside diameter and may not fit over the fitting. For over the fitting applications, a larger size sleeve may be required.
2. Cut lengths are available. Contact your local distributor for prices (www.parkerhose.com).

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Accessory Selection Guide – PolyGuard (HG)

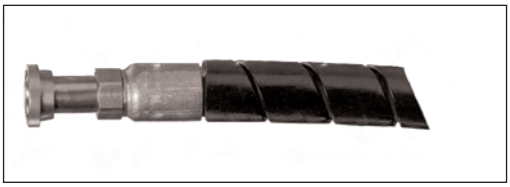
- Shield hose from abrasion and cuts
- Minimize kinking
- Cannot rust or corrode
- Resist water, oil, gasoline, hydraulic fluid, and most solvents
- Ideal for bundling plastic tubing or hose lines
- Easy to install without removing hose lines; no clamps needed

Heavy-duty polyethylene provides protection in rugged operating conditions. Great for bundling high-pressure hose lines.

Cut edges can be smoothed by applying heat.
CAUTION: This material will support combustion.

Color: Black

Temperature Range: 0˚F to +200˚F (-17˚C to +93˚C)



PolyGuard

Part Number	Inside Dia. inch	Box Qty. foot	201, 206 213, 221FR 225, 244 266, 285, 293	302 301LT 304 341 BXX	422, 421WC 424, 426 431, 436, AX 351TC/ST 451TC/ST 471TC/ST 472TC	601	701 721, 721TC 772TC/ST 774	P35, 781 782TC/ST 791TC 792TC/ST	731	801 804 821 821FR 831, 836	811 881 811HT
HG-075	0.75	100	-8/-10	-6/-8	-8/-10	-6/-8	-4/-6			-8/-10	
HG-100	1.00	100	-12	-10/-12	-12	-10	-8/-10			-12	-12
HG-125	1.25	100	-16		-16	-12	-12	-12	-12	-16	
HG-150	1.50	100	-20/-24	-16/-20	-20	-16/-20	-16	-16	-16/-20		-16/-20
HG-200	2.00	100	-32/-40	-24/-32	-24/-32		-20/-24	-20/-24	-24/-32		-24/-32
HG-200	2.00	100					-32	-32			-40
HG-350	3.50	30	-48								-48

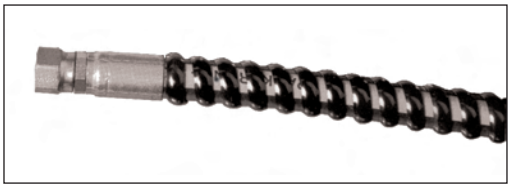
Accessory Selection Guide – ParKoil™ (PG)

Lower-cost protection for applications that call for a tighter bend radius and are less demanding.

Cut edges can be smoothed by applying heat.
CAUTION: This material will support combustion.

Color: Black

Temperature Range: 0˚F to +200˚F (-17˚C to +93˚C)



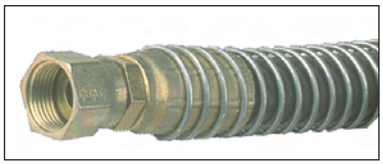
Parkoil™

Part Number	Inside Dia. inch	Box Qty. foot	201, 221FR 206, 225 244 266	213 285 293	302 301LT 304 341 421WC BXX	422, 424, 426 431, 436, AX 351TC/ST 451TC/ST 471TC/ST 472TC 482TC/ST	601	701 721 721TC 772TC/ST 774	731 P35, 781 782TC/ST 791TC 792TC/ST	801 804 821 821FR 831, 836	811 881 811HT
PG-038	0.38	50		-4		-3					
PG-050	0.50	50	-4/-5	-5	-3/-4	-4/-5	-4			-4	
PG-062	0.62	50	-6	-6/-8	-5	-6				-6	
PG-075	0.75	50	-8	-10	-6	-8	-6	-6		-8	
PG-088	0.88	50	-10	-12	-8	-10	-8	-8		-10	
PG-100	1.00	50	-12		-10/-12	-12		-10	-10	-12	
PG-119	1.19	25	-16	-16			-12	-12	-12		-12
PG-138	1.38	25	-20/-24	-20/-24	-16	-16/-20	-16	-16/-20	-16		-16/-20
PG-188	1.88	25	-32/-40	-32/-40	-20/-24	-24		-24	-20/-24		-24
PG-188	1.88	25	-48	-48	-32	-32		-32	-32		-32

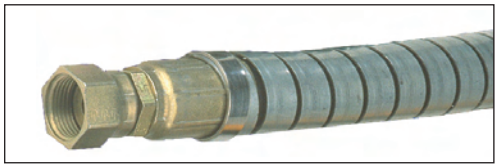
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Accessory Selection Guide – Spring Guard and Armor Guard

Parker Spring Guard and Armor Guard are two products that prolong the life of hose lines that are exposed to rugged operating conditions. They distribute bending radii to avoid kinking in hose lines and protect hose from abrasion and deep cuts. Guards are constructed of steel wire and plated to resist rust.



Spring Guard (SG)



Armor Guard (AG)

Spring Guard Part Number	Armor Guard Part Number	Inside Dia. inch	201 221FR 206, 225, 244, 266	213 285 293	302 301LT 304 341 421WC BXX	351TC/ST 422 424,431,436 451TC/ST 471TC/ST 482TC/ST 472TC, AX	601	701 721 721TC 772TC/ST 774	731 P35 781 782TC/ST 791TC 792TC/ST	801 804 821 821FR 831, 836	811 881 811HT
SG-050	AG-050	0.50		-4		-3					
SG-060	AG-060	0.60	-4	-5	-3	-4	-3/-4			-4/-5	
SG-066	AG-066	0.66	-5	-6	-4	-5					
SG-072	AG-072	0.72	-6		-5	-6	-5			-6	
SG-084	AG-084	0.84	-8	-8	-6	-8	-6	-4/-6	-4	-8	
SG-097	AG-097	0.97	-10	-10	-8	-10	-8	-8	-6	-10	
SG-106	AG-106	1.06		-12	-10				-8		
SG-113	AG-113	1.13	-12			-12	-10	-10		-12	
SG-122	AG-122	1.22			-12				-10		
SG-131	AG-131	1.31	-16	-16			-12	-12	-12	-16	-12
SG-155	AG-155	1.55	-20	-20	-16	-16	-16	-16			-16
SG-161									-16		
SG-166		1.66							-16		
SG-182	AG-182	1.82	-24	-24		-20	-20				-20
SG-209	AG-209	2.09			-20	-24		-20	-20		
SG-232	AG-232	2.32	-32		-24				-24		
SG-292											-40

Note: Spring Guard and Armor Guard are packaged in 10 ft. pieces.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

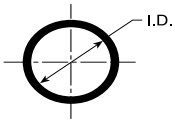
Accessory Selection Guide – Firesleeve (FS-F)

Parker Firesleeve is a flame resistant sheath that protects the hose from extreme temperature conditions. Firesleeve easily slides over hoses and readily expands over fitting. It can be assembled with Parker FSC or properly sized wormgear clamp.

Construction: Braided fiberglass sleeve and an orange, bonded and seamless silicone rubber cover.

Specifications: Conforms to SAE Aerospace Standard 1072A Type 2A.

Temperature Range: -54˚C to +260˚C (-65˚F to +500˚F).



Note: The Firesleeve inside dimension (I.D.) must exceed the outside diameter (O.D.) of the hose and offer an allowance for easy hose insertion. For example, 201-16 has a 1.23 in. O.D. FS-S-24, with an I.D. of 1.46 in., is the suggested Firesleeve.

Note: Parker FSC Clamp fits all hoses up to 2 in. O.D.

Note: Parker HC Clamps (wormgear) are listed on page D-24.

Firesleeve (FS-F)

FSC Clamp

Part Number: FSC
(One size fits all hoses up to 2 inch O.D.)

Part Number	Inside Dia. inch	201, 221FR 206, 225 244 266	213 285 293	302 301LT 304, 341 BXX	422, 424, 426 431, 436, AX 351TC/ST, 472TC 451TC/ST 471TC/ST 482TC/ST	421WC	601	701 721 721TC 772TC/ST 774	731 P35, 781 782TC/ST 791TC 792TC/ST	801 804 821 821FR 831 836	811 881 811HT
FS-F-10	0.58	-4	-4	-3	-3/-4		-3			-4	
FS-F-11	0.65	-5	-5	-4	-5	-4	-4				
FS-F-12	0.71		-6	-5						-6	
FS-F-14	0.84	-6/-8	-8	-6	-6	-6	-5/-6			-8	-6
FS-F-16	0.96		-10		-8	-8		-6			
FS-F-18	1.08	-10	-12	-8/-10	-10		-8	-8		-10	-8
FS-F-20	1.21	-12		-12	-12	-12	-10	-10	-8	-12	-10
FS-F-24	1.46				-16						
FS-F-30	1.84	-24	-24								
FS-F-38	2.34	-32	-32	-20/-24	-24			-20/-24	-20		-24
FS-F-40	2.46								-24		

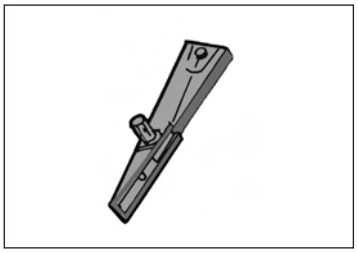
Note: See Page D-22 for Firesleeve assembly instructions.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Accessory Selection Guide – Firesleeve (cont.)

FSC Clamp

Used to attach firesleeve around socket on hose sizes with a 2" maximum O.D.

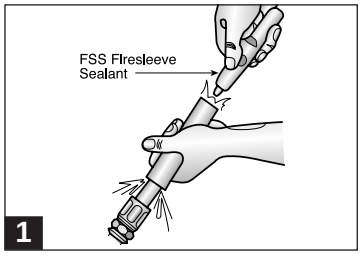


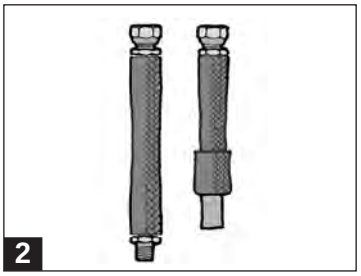
FST Clamp Tool

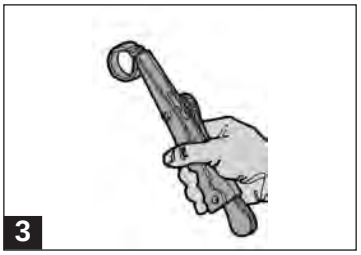
Part Number: FST-711617 Used to secure FSC clamp.

FSS Firesleeve Sealant

Keeps end of firesleeve from fraying - for neater, longer lasting installation.







Firesleeve

Assembly Instructions

1. Assemble one end fitting on hose. Cut firesleeve to same length as hose. Cover approximately 1" of each end of fire-sleeve with FSS sealant and allow to dry.
2. Push firesleeve back from cut end of hose and assemble the second end fitting. Then pull firesleeve completely over both sockets.
3. Insert tail of FSC clamp into FST clamping tool.
4. Position clamp around middle of socket and tighten with tool. Bend end of band back over buckle. Repeat on other end. Repair any scuffs or abrasions in firesleeve with FSS sealant.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

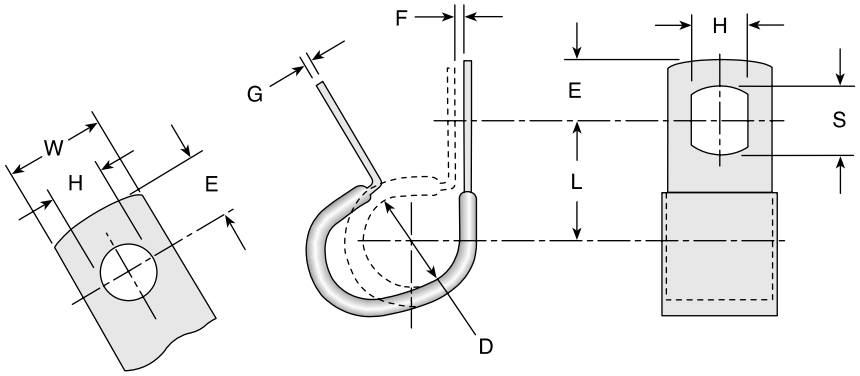
Accessory Selection Guide – CL Clamp

Vinyl coated steel clamps provide hose support where long lengths are used. Provides neater installation of hose lines, minimizes hose chafing and prevents damage to hose.

Material: CR Steel with Zinc Plating

Coating: Black Vinyl Plastisol - 0,8 mm (0.03 inch) thick.

Temperature Range: -40°C to +107°C (-40°F to +225°F).



Part Number	D ±0,8 (mm)	D ±0.031 (inch)	H ±0,1 (mm)	H ±0.005 (inch)	L ±0,8 (mm)	L ±0.031 (inch)	W ±0,25 (mm)	W ±0.01 (inch)	E ±0,4 (mm)	E ±0.015 (inch)	F ±0,8 (mm)	F ±0.031 (inch)	G ±0,1 (mm)	G ±0.004 (inch)	S ±0,5 (mm)	S ±0.020 (inch)
CL-6	7,90	0.312	10,30	0.406	17,45	0.687	19,05	0.750	11,10	0.437	0,80	0.031	0,80	0.032	12,70	0.500
CL-7	9,50	0.375	10,30	0.406	18,25	0.718	19,05	0.750	11,10	0.437	1,55	0.062	0,80	0.032	12,70	0.500
CL-8+	11,10	0.437	10,30	0.406	19,05	0.750	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-9	12,70	0.500	10,30	0.406	19,85	0.781	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-10+	14,25	0.562	10,30	0.406	20,60	0.812	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-11	15,90	0.625	10,30	0.406	21,40	0.843	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-12	17,45	0.687	10,30	0.406	22,20	0.875	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-13	19,05	0.750	10,30	0.406	23,00	0.906	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-14	20,60	0.812	10,30	0.406	23,80	0.937	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-15+	22,20	0.875	10,30	0.406	24,60	0.968	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-16	23,80	0.937	10,30	0.406	25,40	1.000	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-17	25,40	1.000	10,30	0.406	26,20	1.031	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-18+	26,95	1.062	10,30	0.406	26,95	1.062	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-19	28,60	1.125	10,30	0.406	27,75	1.093	19,05	0.750	11,10	0.437	1,55	0.062	1,20	0.048	12,70	0.500
CL-20+	30,20	1.188	13,50	0.531	31,75	1.250	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-21	31,75	1.250	13,50	0.531	32,55	1.281	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-22+	33,30	1.312	13,50	0.531	33,30	1.312	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-23	34,90	1.375	13,50	0.531	34,10	1.343	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-24+	36,50	1.437	13,50	0.531	34,90	1.375	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-25	38,10	1.500	13,50	0.531	35,70	1.406	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-26+	39,65	1.562	13,50	0.531	36,50	1.437	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-27+	41,25	1.625	13,50	0.531	37,30	1.468	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-29	44,45	1.750	13,50	0.531	38,90	1.531	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-31+	47,65	1.875	13,50	0.531	40,45	1.593	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-33	50,80	2.000	13,50	0.531	42,85	1.687	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-36+	55,55	2.187	13,50	0.531	46,00	1.812	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-37	57,15	2.250	13,50	0.531	46,00	1.812	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-38+	58,70	2.312	13,50	0.531	49,20	1.937	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-41+	63,50	2.500	13,50	0.531	50,80	2.000	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625
CL-43	66,65	2.625	13,50	0.531	58,70	2.312	25,40	1.000	14,25	0.562	1,55	0.062	1,20	0.048	15,90	0.625

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

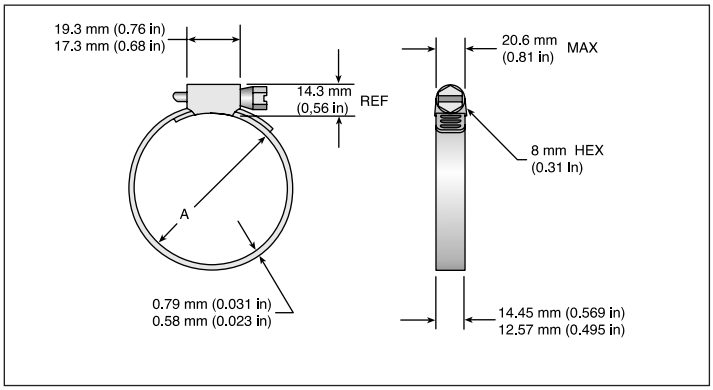
Accessory Selection Guide – HC, 88HC-H and 88DB Clamp

The Parker HC Clamp is a stainless steel worm gear clamp designed for low presure industrial hose applications.
Material: Stainless steel

Specifications: SAE J1508, Type F and Type HD

HC Hose Clamp Table

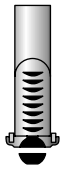
Part Number	Size (SAE)	"A" Clamp Diameter Minimum mm	Minimum inch	Maximum mm	Maximum inch
HC-6	-8	12	0.48	25	1.00
HC-8	-10	13	0.50	28	1.12
HC-10	-12	13	0.50	32	1.25
88HC-12	-16	19	0.75	38	1.50
88HC-16	-20	19	0.75	44	1.75
88HC-20	-24	25	1.00	51	2.00
88HC-24	-28	33	1.31	57	2.25



88HC-H

Series Hose Clamp (High Torque Wormgear)

# Part Number	Hose I.D. inch
88HC-16H	3/4
88HC-16H	1
88HC-20H	1-1/4
88HC-32H	1-1/2
88HC-32H	2
88HC-40H	2-1/2
88HC-48H	3

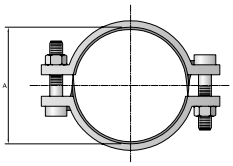


Note: See 88 Series Assembly Instructions for proper 88HC-H clamp attachment.

88DB

Series Heavy Duty Hose Clamp (Double Bolt Hose Clamp)

# Part Number	Hose I.D. inch
88DB-12	3/4
88DB-16	1
88DB-20	1-1/4
88DB-24	1-1/2
88DB-32	2



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Accessory Selection Guide – Protection Shields (HP, HT, and HP-B)

Prevent hose abrasion while extending your hose life. Parker Hose Protection Shields extend hose life by protecting the hose from abrasion that occurs when hose rubs against other hose, metal or concrete. Parker hose shields are resistant to oil, lubricants, gasoline, most solvents and can withstand ambient temperatures from -40° to +300° F. Easily installed and secured by cable ties without disconnecting any hose lines. Use with hose from 1/4" to 2" I.D.

- Eliminate hose abrasion on concrete, metal or any rough surface.
- Guard against hose deterioration on mobile hydraulic equipment.
- Let Parker fill all your hydraulic and pneumatic hose product needs.

Hose Protector Shields are a fast and extremely cost effective way to isolate fluid lines from direct contact with other lines, components or structural members. They're available in 4-inch, 6-inch and 8-inch lengths and the width can be trimmed to satisfy a variety of situations.

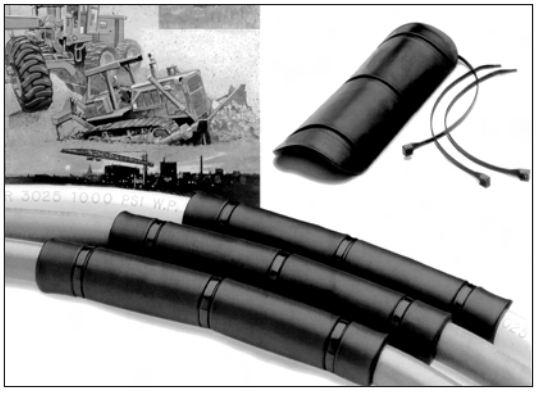
These flexible protectors simply clamp around the hose and are securely held in place by nylon cable ties which are included. The cable ties are recessed in molded grooves to protect them from abrasion. **You don't need to disconnect a line to install a Parker Hose Protector Shield the way you do with a continuous tubular sleeve. Just wait until the installation is up and running to see exactly where contact needs to be prevented.**

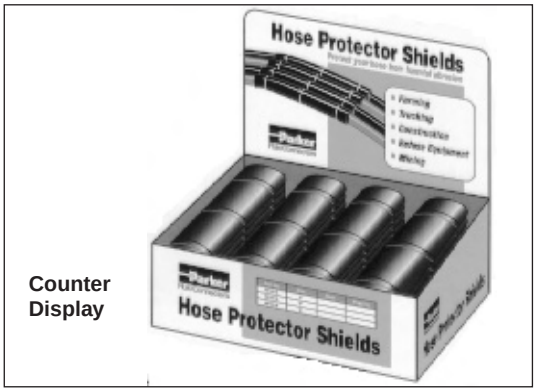
Parker Hose Protector Shields are available in bulk quantities and in convenient assortments in 4", 6" and 8" sizes. Cable ties are included with all protectors and are also available in bulk.

Hose Shields		**Tie Wraps**	
HP-B-13X18-KIT	2 ea. HP-13 RFL	HT-12-KIT	30 ea. HT-12 Tie Wraps
	2 ea. HP-15 RFL	HT-16-KIT	30 ea. HT-16 Tie Wraps
	4 ea. HP-18 RFL	HT-22-KIT	15 ea. HT-22 Tie Wraps

20 Hose Protectors and 60 Tie Wraps for each size are in point of purchase display box.

HP-B-13-RFL	10 ea. HP-B-13 Hose Protectors (4").
	30 ea. HT-12 Tie Wraps in a sealed plastic bag.
HP-B-15-RFL	10 ea. HP-B-15 Hose Protectors (6").
	30 ea. HT-16 Tie Wraps in a sealed plastic bag.
HP-B-18-RFL	5 ea. HP-B-18 Hose Protectors (8").
	15 ea. HT-22 Tie Wraps in a sealed plastic bag.





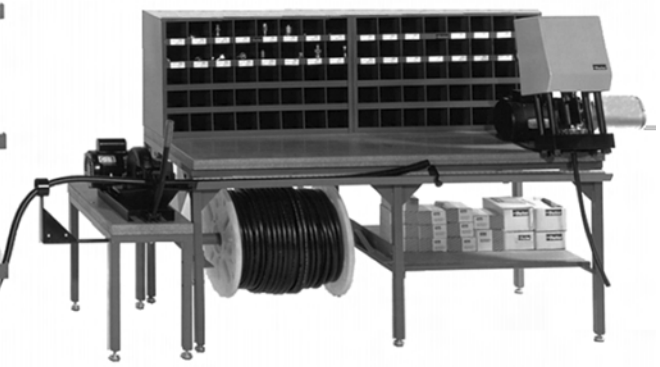
Counter Display

Contact your authorized Parker Hose Products Distributor for pricing and delivery information.

Note: Parker Hose Protector Shield products are intended to prevent damage. They are not suitable as patches or repairs for lines which are already damaged or worn beyond safe use standards.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

HPD Hose Assembly Workstations



Hose Products Division has set up an agreement to allow Hose Products customers to purchase directly from our vendor, Safety Step.

Safety Step's contact information is:

Safety Step
Annette Cox
888-448-4237
parker@safetystep.net

The complete on-site complete hose assembly workstation design (above) includes:

- TH7-5-C—6' table with 1 hose reel and 1 bottom shelf
- TH7-6—16 hose reel system, with rotating base
- TH7-7—15" wide table set up for Parker 239 or 339 Cut-Off Saw

Specifications: HoseFab Table (heavy duty)

- Laminated wood table top
- *1-1/2" square tubing structure*
- Gussetted corner braces
- 6-leg design
- All legs have adjustable feet
- Hose reel/shelf combinations
- 40B-Cabinet or 72B-Cabinet for fitting storage
- *Optional: Hose trough for measurement of hose*
    - Calibrated to line up to Saw Table
    - Adjustable stop for standard length cuts
    - Built-in tape measure
- (2) 40B-Cabinet 40 openings - 4·1/2" x 4·1/2" x 12" in size
- TH7-6-C—Optional overhead crane
- TH7-5-HT—Optional 6' measured hose trough with adjustable hose stop

Specifications: Rotary Reel Rack (TH7-6)

- 16 Hose reel capacity
- Compact design
- Rotates for 1 man use
- Center post bolts to floor in 4 places
- Optional: Overhead crane

Specifications: Saw Table (TH7-7)

- Calibrated to line up to Hose trough
- Adjustable feet
- Mounts to 6-foot bench

Specifications: 3 or 4 Reel Rack

- Free standing 3 reel rack (TH7-8)
- Bolts to floor
- Optional: 4th reel capacity with wall mounts (TH7-8-F)

Pictured left is a complete on-site hose assembly workstation, the Parker Kart:

The **Parker Kart, TH7-4**, is a portable all-in-one unit designed to hold a Minikrimp, Karrykrimp, Karrykrimp 2, or Parkrimp 1; a 332T-115V Cut-off Saw; 4 reels of hose; and has a 40 bin cabinet with 3 drawers for tools. The TH7-4 can be customized to fit your specific hose assembly needs. Contact Parker HPD or your Parker Hose distributor for details.

Note: Part number TH7-4 does not include hose, fittings or equipment.

See Safety Step contact information at the top of this page

Note: Part number and specifications of components for both workstations are listed on the following pages.

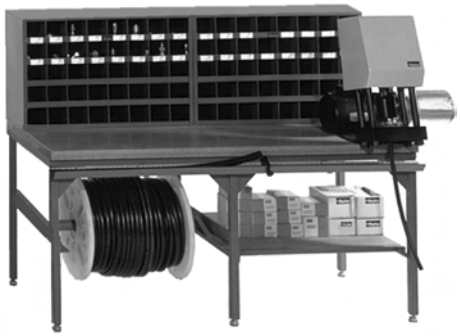
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

HoseFab Table

Features
Heavy duty constructed table for mounting Minikrimp, Karrykrimp, Karrykrimp 2, or Parkrimp 1. HoseFab Table is available in 3 versions to meet your requirements. Options include two 40B-Cabinets or 72B-Cabinets for fitting storage.

Part Number	Description
TH7-5-R	6’ table with 2 hose reels
TH7-5-S	6’ table with 2 bottom shelves
TH7-5-C	6’ table with 1 hose reel and 1 bottom shelf
TH7-5-HT	Optional 6’ measured hose trough with adjustable hose stop
40B-Cabinet	40 openings - 4·1/2” x 4·1/2” x 12” in size
72B-Cabinet	72 openings - 4·1/2” x 4·1/2” x 12” in size

Table measurements:
Height - 31-3/4”
Width - 29”
Length - 72”



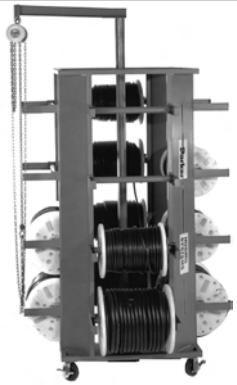
See Safety Step contact information on page D-26

Rotary Reel Rack

Features
16 Hose reel capacity that fits in a compact area. Supplied with heavy duty casters which allow for ease of turning, even when fully loaded. Optional overhead crane available.

Part Number	Description
TH7-6	16 hose reel system, with rotating base
TH7-6-C	Optional overhead crane

Rack measurements:
Height - 104” (120” with optional overhead crane)
Width - 67”
Length - 67”



See Safety Step contact information on page D-26

Saw Table

Features
The Saw Table, specially designed for Parker 239 or 339 Hose Cut-Off Saw, attaches directly to the HoseFab Table. The Hose Guide lines up the hose to the saw blade for accurate cutting.

Part Number	Description
TH7-7	15” wide table set up for Parker 239 or 339 Cut-Off Saw

Table measurements:
Height - 18”
Width - 28”
Length - 14”

See Safety Step contact information on page D-26

3/4 Reel Rack

Features
Compact in its design, the standard version will hold 3 reels of hose. Optional 4th reel capacity designed with wall anchor mounts.

Part Number	Description
TH7-8	Upright 3 hose reel rack
TH7-8-F	Optional extension with wall anchor for 4th reel

Rack measurements:
Height - 59” (82·1/2” with 4th reel option)
Width - 27·3/4”
Length - 27·1/2”

See Safety Step contact information on page D-26

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

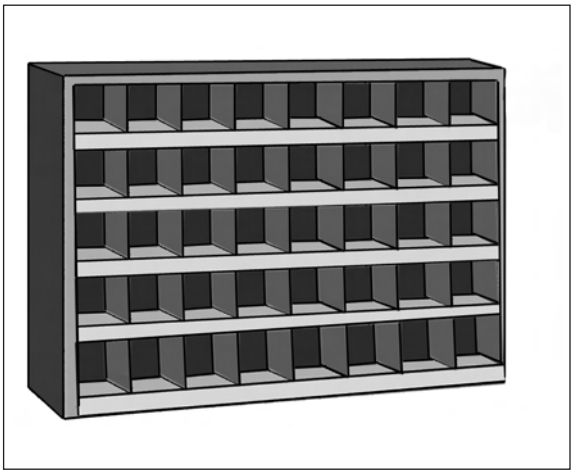
See Safety Step contact information on page D-26

Parker Kart Part No. TH7-4

Parker Kart organizes and stores all your necessary Parker hoses, fittings, power and hand tools - everything you need to make fast hose assemblies on site. As a valued addition to any facility, Parker Kart will save on downtime and labor costs, as well as eliminate errors in cutting and fitting attachment. With Parker Kart, you'll always have the materials you need, right when and where you need them.

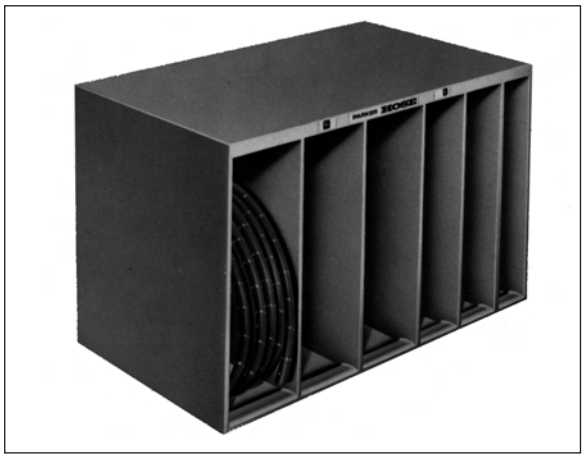
- Easy one-man movement
- Eight-inch urethane casters with brakes
- Forklift carry tubes
- Electric receptable with cord
- Fitting bins and drawers
- Large tool drawer
- Four hose reel holders
- Choice of Parker crimping equipment
- Optional accessories available

Parker Kart can be customized to fit specific hose assembly needs. Parker Kart does not include hose, fittings or equipment.



Fitting Stock Bins 72B-Cabinet

36" wide, 43" high, 12" deep, with 72 openings each 4-1/2" x 4-1/2" x 12", heavy duty steel, all welded construction. Product bin labels are available.



Hose Stock Bins HR6-Hose-Bin

Rugged metal cabinet for stocking coils of Parker hose 36" wide, 28" high, 20" deep, with upright separators to provide 6 compartments varying in width from 4" to 8".

Provides suitable base on which to place the fittings stock bin (top measures 36" x 20", bottom of fittings bin measures 36" x 12".)

Yellow with black "Parker Hose" lettering.

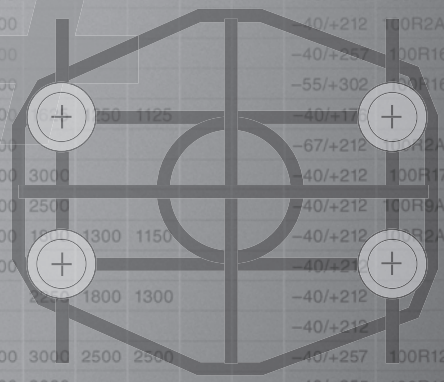
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Visual Index

Technical

TECHNICAL

Comprehensive information that helps you connect with the right hose and fittings. Visit www.parkerhose.com for the latest technical data.



Before You **SPEC** it,

S T A M P it.

- **S** Size
- **T** Temperature
- **A** Application
- **M** Media
- **P** Pressure

EN

UHg

SAE

ISO

Table of Contents

Size

Flow Capacities at Recommended Flow Velocities E-3
Hose Flow Capacities Pressure Drop E-4

Temperature

Temperature/Pressure Chart - 201, 206, 213, and 266 Hose E-5
Minimum/ Maximum Temperature Chart E-6

Application

Hose Installation Tips E-10
Ferrule-Fix E-11
Hose, Adapters and Fittings Standards and Specifications E-12
Assembly Methods E-15
Thread Guide E-16
Standard Fitting Configurations by Connection and End Code E-17
Metric Conversions E-19

Media

Chemical Resistance Information E-20

Pressure

Working Pressure Chart E-30
Pressure Rating of Hose End Connections E-32
Metric Pressure Conversions E-33

Part Number Index E-34
Fitting Size Identification Chart E-38

Safety Guide & MSDS Statement E-40
Offer of Sale E-43

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Size

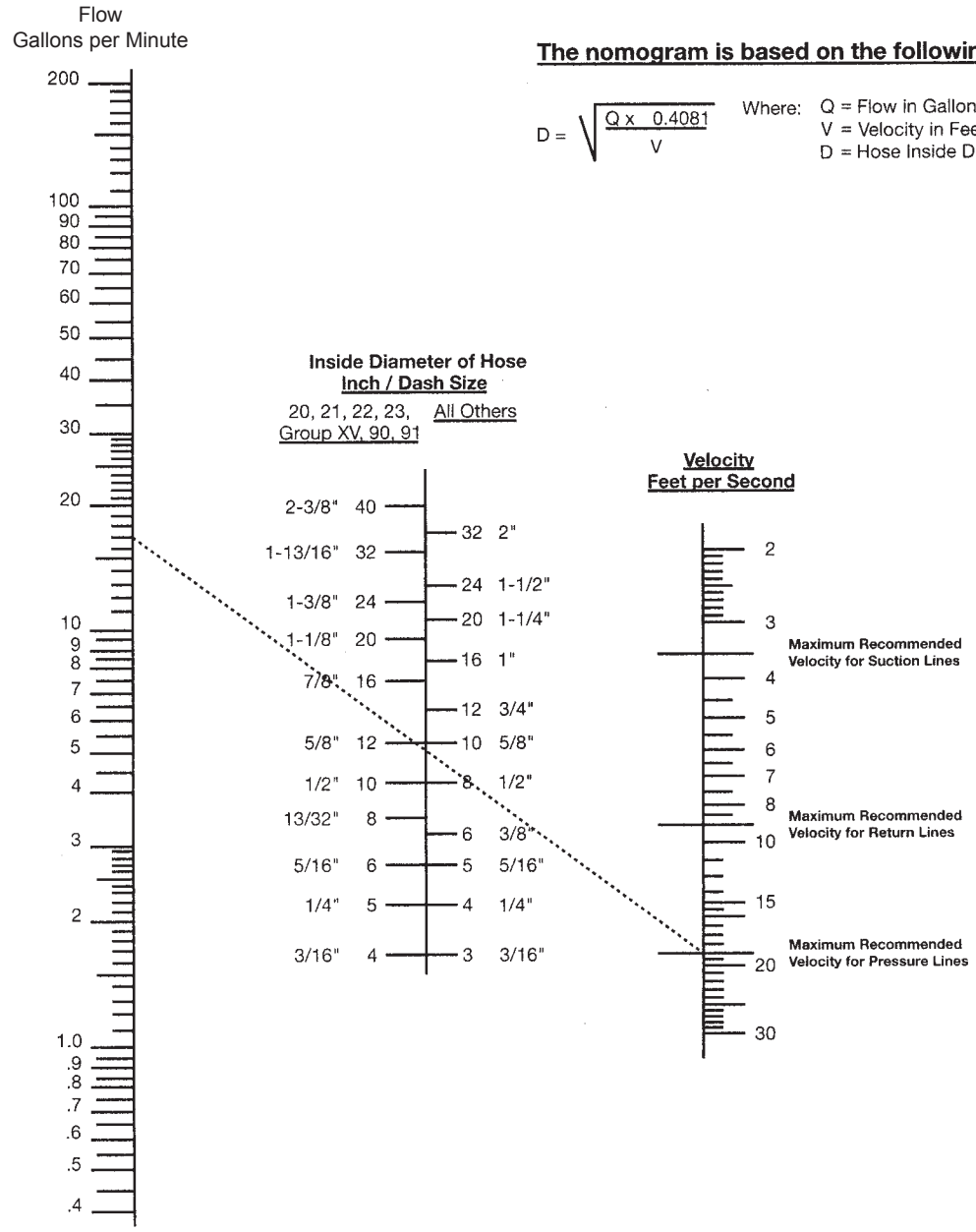
Flow Capacities at Recommended Flow Velocities

The nomogram below is provided as an aid in determining the correct hose size.

How to use the nomogram: Determine the proper flow rate your system requires, then connect a straight edge from the selected flow rate to the recommended velocity range. The required hose I.D. will appear at the intersection of the straight edge and the center column. If the straight edge passes through the scale between sizes listed, use the next larger I.D. hose.

Example: Locate 16 gallons per minute in the left-hand column and 20 feet per second (fps) in the right-hand column (the maximum recommended velocity range for pressure lines). Lay a straight edge across these two points. The inside diameter required is shown in the center column at or above the straight edge. In this case, we need a hose I.D. of 0.625 (5/8") inch (or larger).

Use the same procedure for suction of return lines, except utilizing their respective maximum recommend velocities.



The nomogram is based on the following formula:

$$D = \sqrt{\frac{Q \times 0.4081}{V}}$$

Where: Q = Flow in Gallons per Minute (gpm)
V = Velocity in Feet per Second (ft/sec)
D = Hose Inside Diameter (inches)

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Size

Hose Flow Capacities Pressure Drop

Hose Dash Size		-04		-05		-06		-08		-10		-12		-16		-20		-24		-32		-40	-48
Hose I.D. (Inches)		0.19	0.25	0.25	0.31	0.31	0.38	0.41	0.50	0.50	0.63	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.81	2.00	2.38	3.00
U.S. Gallons per Minute	0.25	10.0	3.1	3.1																			
	0.5	19.0	6.0	6.0	2.7	2.7																	
	1	40.0	12.0	12.0	5.5	5.5	2.4																
	2	95.0	24.0	24.0	10.0	10.0	4.8	3.5															
	3	185.0	46.0	46.0	17.0	17.0	7.0	5.0	2.2	2.2													
	4		78.0	78.0	29.0	29.0	12.0	8.0	3.0	3.0	1.2	1.2											
	5		120.0	120.0	44.0	44.0	18.0	12.0	4.5	4.5	1.6	1.6	0.7										
	8				95.0	95.0	39.0	26.0	10.0	10.0	3.6	3.6	1.4	0.6									
	10						59.0	40.0	15.0	15.0	5.7	5.7	2.0	1.0	0.6								
	12						80.0	52.0	20.0	20.0	7.2	7.2	2.6	1.5	0.8	0.4							
	15							75.0	30.0	30.0	10.0	10.0	4.2	2.2	1.2	0.7	0.4						
	18							107.0	40.0	40.0	15.0	15.0	6.3	3.0	1.5	0.7	0.6	0.4					
	20								49.0	49.0	19.0	19.0	8.0	3.4	2.0	1.1	0.7	0.4	0.3				
	25								72.0	72.0	26.0	26.0	11.0	5.5	3.0	1.6	1.0	0.6	0.4	0.2			
	30										34.0	34.0	14.0	7.0	3.6	2.2	1.3	0.8	0.5	0.2	0.1		
	35										47.0	47.0	19.0	9.5	5.0	2.8	1.7	1.1	0.7	0.3	0.2		
	40												25.0	12.0	6.5	3.4	2.2	1.4	0.9	0.4	0.2		
	50												36.0	17.0	9.0	5.3	3.3	2.0	1.3	0.5	0.4	0.2	
	60												50.0	23.0	12.0	7.5	4.4	2.8	1.8	0.8	0.5	0.2	
	70													31.0	17.0	9.3	6.0	3.8	2.4	1.0	0.7	0.3	
	80													38.0	21.0	12.0	7.1	4.6	3.0	1.2	0.8	0.3	0.1
	90													49.0	27.0	15.0	9.0	5.9	3.8	1.5	1.0	0.5	0.1
	100														33.0	19.0	12.0	7.0	4.7	1.9	1.3	0.6	0.2
	150														60.0	36.0	22.0	13.0	8.5	3.4	2.2	1.0	0.3
	200																36.0	23.0	15.0	6.0	3.9	1.7	0.6
	250																54.0	33.0	22.0	8.5	5.3	2.5	0.8
	300																	45.0	29.0	12.0	7.5	4.0	1.1
	400																		51.0	21.0	14.0	6.5	2.2
	500																			32.0	20.0	10.0	3.0
	800																					18.0	5.0
	1000																						10.0

Pressure drop in psi (pounds per square inch) per 10 feet of hose (smooth bore) without fittings.
Fluid specification: Specific gravity = 0.85; Viscosity = v = 20 centistokes (C.S.), (20 C.S. = 97 S.S.U.)
Pressure drop values listed are typical of many petroleum based hydraulic oils at approximately +100ºF (+38ºC). Differences in fluids, fluid temperature and viscosity can increase or decrease actual pressure drop compared to the values listed.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Temperature

Temperature / Pressure Chart - 201, 206, 213, and 266 Hose

The Temperature / Pressure Chart identifies the effects temperature change has on the maximum working pressure of specific hoses.

How to use the chart:

1st - Identify the Maximum Working Pressure of selected hose.

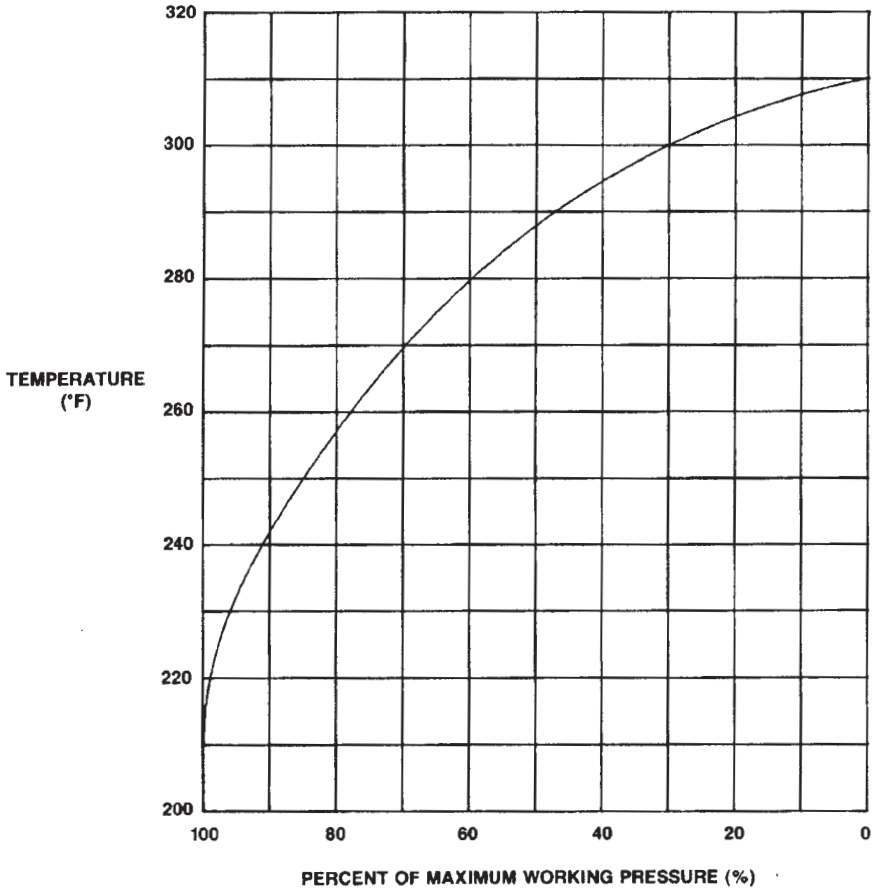
2nd - Identify the maximum working temperature of the application.

3rd - Locate point where temperature and Percent of Maximum Working Pressure intersect on the chart.

4th - Based on percentage figure, calculate Maximum Working Pressue of the application.

Example: 201-8 hose to be used a 250°F (121°C)

Maximum Working Pressure up to 212°F (100°C)	x	(Multiplier from chart)	=	Maximum Working Pressure at 250°F (121°C)
2,000 psi	x	(85%)	=	1,700 psi



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Temperature

Minimum/Maximum Temperature

(Page 1 of 4)

Hose	Petroleum base hydraulic fluids and lubricating oils	Antifreeze solutions	Diesel fuels	SAE J1942 Marine lube oil and diesel fuel systems (Application Code F)**
201*	-40°C to +150°C (-40°F to +302°F)	-40°C to +150°C (-40°F to +302°F)	-40°C to +150°C (-40°F to +302°F)	x
206*	-48°C to +150°C (-55°F to +302°F)	-48°C to +150°C (-55°F to +302°F)	-48°C to +150°C (-55°F to +302°F)	x
213*	-45°C to +150°C (-50°F to +302°F)	-45°C to +150°C (-50°F to +302°F)	-45°C to +150°C (-50°F to +302°F)	x
221FR	-20°C to +100°C (-4°F to +212°F)	x	-20°C to +100°C (-4°F to +212°F)	-20°C to +100°C (-4°F to +212°F)
225	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)
266*	-48°C to +150°C (-55°F to +302°F)	-48°C to +150°C (-55°F to +302°F)	-48°C to +150°C (-55°F to +302°F)	x
271	x	x	x	x
293	-50°C to +150°C (-58°F to +302°F)	-50°C to +150°C (-58°F to +302°F)	-50°C to +150°C (-58°F to +302°F)	x
302	-40°C to +100°C (-40°F to +212°F)	x	x	-40°C to +100°C (-40°F to +212°F)
304	x	x	x	x
341	-40°C to +100°C (-40°F to +212°F)	x	x	-40°C to +100°C (-40°F to +212°F)
351TC/ST	-40°C to +100°C (-40°F to +212°F)	x	x	x
421WC	-40°C to +125°C (-40°F to +257°F)	x	x	x
422	-40°C to +100°C (-40°F to +212°F)	x	x	-40°C to +100°C (-40°F to +212°F)
424	x	x	x	x
426	-46°C to +150°C (-50°F to +302°F)	x	x	-46°C to +150°C (-50°F to +302°F)
431	-40°C to +125°C (-40°F to +257°F)	x	x	x
436	-48°C to +150°C (-55°F to +302°F)	x	x	x
451TC/ST	-40°C to +100°C (-40°F to +212°F)	x	x	x
471TC/ST	-40°C to +100°C (-40°F to +212°F)	x	x	x
472TC	-40°C to +100°C (-40°F to +212°F)	x	x	x
482TC/ST	-40°C to +100°C (-40°F to +212°F)	x	x	x
601	-40°C to +125°C (-40°F to +257°F)	x	x	x
701	-40°C to +100°C (-40°F to +212°F)	x	x	x
711	-40°C to +100°C (-40°F to +212°F)	x	x	x
721	-40°C to +125°C (-40°F to +257°F)	x	x	x
721TC/ST	-40°C to +125°C (-40°F to +257°F)	x	x	x
F42	x	x	x	x
301LT	-55°C to +100°C (-67°F to +212°F)	x	x	x

* The maximum working pressures for these hoses are reduced at temperatures above +212°F (+100°C). Consult the pressure/temperature curve on E-5 for the reduced maximum working pressure.
** Maximum service pressure for lube oil and fuel systems applications (Code F) may be less than maximum service pressure for other systems applications, e.g., Code H. Refer to individual hose listings in Section A and Hose Assemblies List, SAE J1942-1 or HPD Approval Bulletin #APR-004.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Temperature

Minimum/Maximum Temperature

(Page 2 of 4)

Hose	Petroleum base hydraulic fluids and lubricating oils	Antifreeze solutions	Diesel fuels	SAE J1942 Marine lube oil and diesel fuel systems (Application Code F)**
731	-40°C to +100°C (-40°F to +212°F)	x	x	x
761	-40°C to +125°C (-40°F to +257°F)	x	x	x
772TC/ST	-40°C to +125°C (-40°F to +257°F)	x	x	x
774	x	x	x	x
781	-40°C to +125°C (-40°F to +257°F)	x	x	x
782TC/ST	-40°C to +125°C (-40°F to +257°F)	x	x	x
P35	-40°C to +125°C (-40°F to +257°F)	x	x	x
791TC	-40°C to +125°C (-40°F to +257°F)	x	x	x
792TC/ST	-40°C to +125°C (-40°F to +257°F)	x	x	x
801	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	x	x
804	x	x	x	x
811	-40°C to +100°C (-40°F to +212°F)	x	x	x
821	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	x	x
821FR	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	x	x
831	-40°C to +100°C (-40°F to +212°F)	-40°C to +100°C (-40°F to +212°F)	x	x
836	-48°C to +150°C (-55°F to +302°F)	-48°C to +150°C (-55°F to +302°F)	x	x
881	-40°C to +125°C (-40°F to +257°F)	x	x	x
AX	-40°C to +100°C (-40°F to +212°F)	x	x	x
BXX	-40°C to +100°C (-40°F to +212°F)	x	x	x
JK	-40°C to +49°C (-40°F to +120°F)	x	x	x
SS23CG	x	x	x	x
SS25UL	x	x	x	x
811HT	-46°C to +125°C (-50°F to +257°F)	x	x	x

* The maximum working pressures for these hoses are reduced at temperatures above +212°F (+100°C). Consult the pressure/temperature curve on E-5 for the reduced maximum working pressure.
** Maximum service pressure for lube oil and fuel systems applications (Code F) may be less than maximum service pressure for other systems applications, e.g., Code H. Refer to individual hose listings in Section A and Hose Assemblies List, SAE J1942/1 or HPD Approval Bulletin #APR-004.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Temperature

Minimum/Maximum Temperature

(Page 3 of 4)

Hose	Air	Water, water/oil emulsion	Water/glycol hydraulic	Water	Phosphate ester fluids	Polyol ester fluids
201*	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
206*	+100°C (+212°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
213*	+100°C (+212°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
221FR	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
225	+65°C (+150°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
266*	+93°C (+200°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
271	100°C (212°F)	x	x	x	x	x
293	+93°C (+200°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
302	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
304	+70°C (+158°F)	x	+85°C (+185°F)	+85°C (+185°F)	-40°C to +80°C (-40°F to +176°F)	x
341	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
351TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
421WC	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
422	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
424	+70°C (+158°F)	x	+85°C (+185°F)	+85°C (+185°F)	-40°C to +80°C (-40°F to +176°F)	x
426	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
431	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
436	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
451TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
471TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
472TC	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	+65°C (+150°F)
482TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	+65°C (+150°F)
601	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
701	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
F42	+70°C (+158°F)	x	+85°C (+185°F)	+85°C (+185°F)	-40°C to +80°C (-40°F to +176°F)	x
301LT	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x

* The maximum working pressures for these hoses are reduced at temperatures above +212°F (+100°C). Consult the pressure/temperature curve on E-5 for the reduced maximum working pressure.
** Maximum service pressure for lube oil and fuel systems applications (Code F) may be less than maximum service pressure for other systems applications, e.g., Code H. Refer to individual hose listings in Section A and Hose Assemblies List, SAE J1942/1 or HPD Approval Bulletin #APR-004.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Temperature

Minimum/Maximum Temperature

(Page 4 of 4)

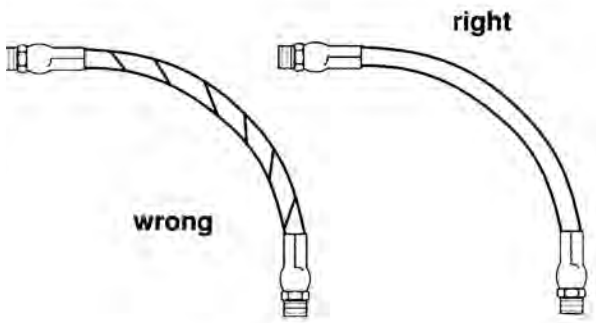
Hose	Air	Water, water/oil emulsion	Water/glycol hydraulic	Water	Phosphate ester fluids	Polyol ester fluids
711	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
721	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
721TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
731	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
761	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
772TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	+65°C (+150°F)
774	+70°C (+158°F)	x	+85°C (+185°F)	+85°C (+185°F)	–40°C to +80°C (-40°F to +176°F)	x
781	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
782TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	+65°C (+150°F)
P35	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
791TC	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
792TC/ST	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	+65°C (+150°F)
801	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
804	+70°C (+158°F)	x	+93°C (+200°F)	+93°C (+200°F)	+80°C (+176°F)	x
811	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
821	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
821FR	+100°C (+212°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
831	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	+50°C (+122°F)
836	+100°C (+212°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
881	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
AX	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
BXX	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x
JK	x	x	x	x	x	x
SS23CG	x	x	x	x	x	x
SS25UL	x	x	x	x	x	x
811HT	+70°C (+158°F)	+85°C (+185°F)	+85°C (+185°F)	+85°C (+185°F)	x	x

* The maximum working pressures for these hoses are reduced at temperatures above +212°F (+100°C). Consult the pressure/temperature curve on E-5 for the reduced maximum working pressure.
** Maximum service pressure for lube oil and fuel systems applications (Code F) may be less than maximum service pressure for other systems applications, e.g., Code H. Refer to individual hose listings in Section A and Hose Assemblies List, SAE J1942/1 or HPD Approval Bulletin #APR-004.

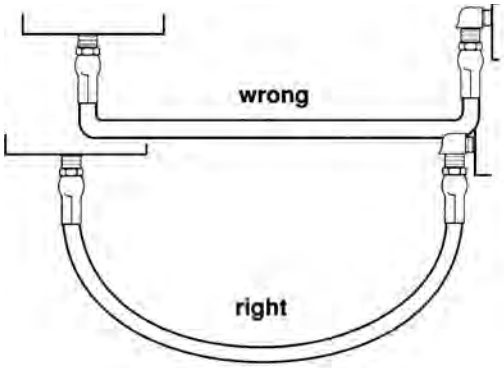
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

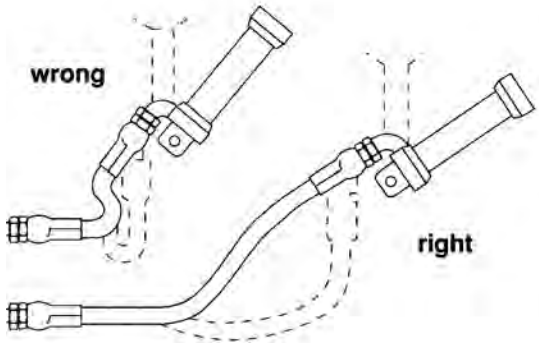
Hose Installation Tips



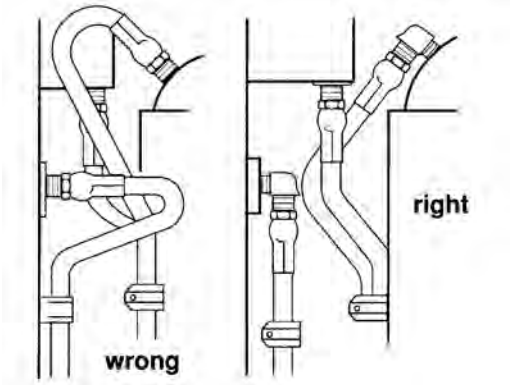
1. Hose is weakened when installed in twisted position. Pressure in twisted hose tends to loosen fitting connections. Design so that machine motion produces bending rather than twisting.



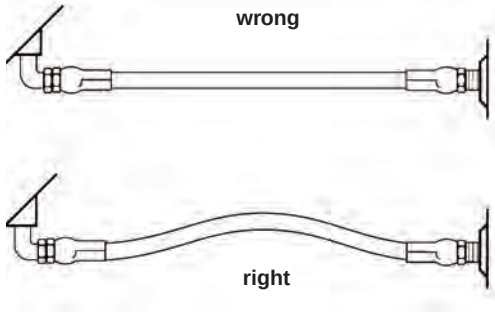
2. Ample bend radius should be provided to avoid collapsing of line and restriction of flow.



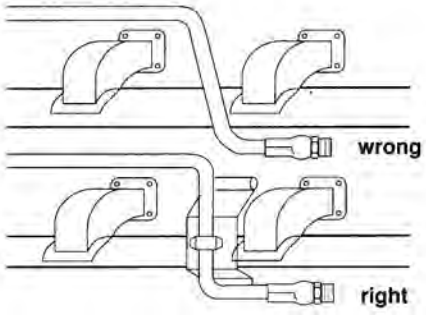
3. Exceeding minimum bend radius will greatly reduce hose assembly life.



4. Use elbows or other adapters as necessary to eliminate excess hose length and to insure neater installation for easier maintenance.



5. When hose assembly is installed in a flexing application, remember that metal hose fittings are not part of the flexible portion. Allow ample free length for flexing.

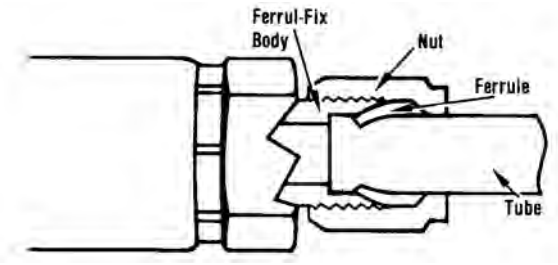


6. When properly routing, use clamps to secure the hose in its proper position.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Ferrule-Fix



Fast, on-the-job repair for ruptured bent tube hose assemblies and power steering lines.

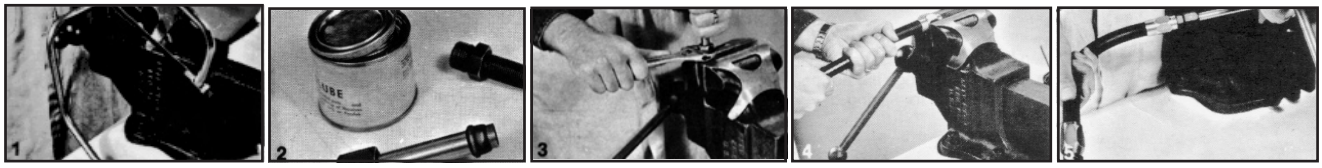
The life of the combination tube-hose assembly is often limited to the service life of the hose alone. A replacement assembly may not be available, some equipment dealers are unable to stock all of the many odd tube configurations.

Parker FERRUL-FIX, a field attachable, reusable hose end fitting, now makes it possible to salvage the bent tube section of the original assembly for replacement. Most important, it gets you back into operation FAST!

- Gets you back in operation fast - No costly delays while replacement assemblies are rushed from the factory.
- Lets you reuse expensive bent tube ends with Parker Hose fittings - You can replace the hose at a fraction of the cost of complete assembly.
- Eliminates the need for emergency brazing or welding in the field - Ferrul-Fix can be assembled without special tools or equipment when using Parker Reusable Hose fittings.

3-Piece Design - Body, nut and ferrule. Wedging action of fer rule, when drawn down by nut, forms seal between body and ferrule, while cutting edge of ferrule "bites" into tube wall forming another positive seal.
Visible Bite - Extent of bite at cutting edge of ferrule is completely visible when fitting is dis-assembled, an important safety feature. Self-centering action assures even bite around circumference of tube.
Parkerized Finish - Ferrul-Lok fittings have the Parkerized black finish, providing "built-in" lubrication which reduces wrench torque required.

Ferrul-Fix Installation Instructions



1. Cut the formed tube off squarely next to the permanent hose fitting. Lightly deburr the end of the tube internally and externally.
2. Disassemble the Ferrul-Fix fitting, and lubricate threads and both ends of the ferrule with Parker Ferulube.
3. Slide nut and ferrule onto tubing, with the long, straight end of the ferrule pointing toward the tube end.
4. Insert tube end into the Ferrul-Fix body until it bottoms against the shoulder. Slide ferrule inside body, and screw nut down finger tight.
5. Wrench nut down 1-3/4 turns to preset the ferrule.
6. Disconnect nut and inspect lead edge of ferrule to make certain that the biting edge has turned up a shoulder to a height of at least 50% of the ferrule and completely around the tube.
7. Assemble Ferrul-Fix fitting to hose. Refer to assembly instructions listed in appropriate fittings section. Do not assemble to hose before steps 1-6.
8. Reassemble tubing into Ferrul-Fix end and turn nut down easily until a sudden increase in force is evident. Turn bent tube to proper position if required. Using two wrenches, one on the fitting nipple hex and the other on the nut tighten nut an additional 1/6 turn (one wrench flat).

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Standards and Specifications

Hose	SAE J517	SAE Other	DOT FMVSS 106	USCG MTH (1)	ISO	DNV (2)	EN	MSHA (3)	German Lloyd	ABS	UL-21 LPG	Other
AX		J1942		H				X				
BXX	100R2AT	J1942		H				X				
JK												1J100
SS25UL											X	
SS23CG											X	CSA-CGA-8.1-M86
201	100R5	J1402 AII	AII									
206	100R5	J1402 AII	AII									
213		J1402 AI	AI									
221FR (4)		J1527 AI, J1942		HF	ISO 7840			X	X	X		ABYC
225	100R5	J1942		F*,H*,HF*				X				
235		J51-Type D						X				
244		J2064 Type B										
266		J1402 AII	AII									
285		J2064 Type C										
293		J1402 AI	AI									
302	100R2AT	J1942		F*,H*,HF*	ISO 1436-1 Type 2SN		EN 853 Type 2SN					
301LT	100R2AT	J1942		H				X				
304												
341	100R9AT	J1942		HF				X				
351ST								X				
351TC								X				
422	100R1AT	J1942		F*,H*,HF*	ISO 1436-1 Type 1SN		EN 853 Type 1SN					
421WC												
424	100R1AT											
426	100R1AT	J1942		HF				X		X		
431	100R16	J1942		H				X				
436	100R16	J1942		H				X		X		
451ST	100R17							X				
451TC	100R17	J1942		H				X		X		
471ST					ISO 11237-1 Type 2SC		EN857-Type 2SC	X				
471TC					ISO 11237-1 Type 2SC		EN857-Type 2SC	X		X		
472TC					ISO 11237-1 Type 2SC		EN857-Type 2SC	X				
482ST	100R1AT				ISO 1436-1 Type 1SN		EN853-Type 1SN	X				
482TC	100R1AT				ISO 1436-1 Type 1SN		EN853-Type 1SN	X	X			
601	100R3	J1942		H	ISO 4079-Type R3		EN854-Type R3	X				

Continued on next page

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Standards and Specifications

Continued from previous page

Hose	SAE J517	SAE Other	DOT FMVSS 106	USCG MTH (1)	ISO	DNV (2)	EN	MSHA (3)	Ger-man Lloyd	ABS	UL-21 LPG	Other
604												
701		J1942		H	ISO 3862-1 Type 4SP		EN856-Type 4SP	X	X			
711												
721	100R12				ISO 3862-1 Type R12		EN856-Type R12	X				
721TC	100R12				ISO 3862-1 Type R12		EN856-Type R12	X				
731		J1942		H	ISO 3862-1 Type 4SH		EN856-Type 4SH	X				
772ST	100R12				ISO 3862-1 Type R12		EN856-Type R12	X				
772TC	100R12				ISO 3862-1 Type R12	X	EN856-Type R12	X		X		
774												
P35	100R13				ISO 3862-1 Type R13	X	EN856-Type R13	X		X		
781	100R13				ISO 3862-1 Type R13		EN856-Type R13	X				
782ST	100R13				ISO 3862-1 Type R13		EN856-Type R13	X				
782TC	100R13				ISO 3862-1 Type R13	X	EN856-Type R13	X		X		
791TC	100R15				ISO 3862-1 Type R15			X				
792ST	100R15				ISO 3862-1 Type R15			X				
792TC	100R15			`	ISO 3862-1 Type R15			X		X		
801								X				
804												
811	100R4											
821												
821FR												
831								X				
836								X				
881	100R4	J1942		H				X				

Notes:

(1) U.S.C.G./MTH (Marine Technical & Hazardous Materials Branch) hoses, hose assemblies and appropriate fittings meet 46CFR56.60-25(c) for use on commercial vessels. Hoses and hose assemblies meet the requirements of SAE J1942. Hose fittings meet the requirements of SAE J1475.

F = Fuel and lube systems.

H = Hydraulic Systems.

*****Some hoses are accepted for different pressures for F and H. Also, not all sizes are accepted for all applications. See HPD approval bulletin #APR-004 or consult the Parker Hose Products Division, Technical Services Department, for details. The Canadian Coast Guard accepts all hoses accepted by the U.S. Coast Guard.

(2) Det Norske Veritas (DnV) approvals are with permanent (crimp) type fittings only. See HPD Approval Bulletin #APR-006 or consult the Parker Hose Products Division, Technical Services Department, for details.

(3) Hose with MSHA (Mine Safety and Health Administration) approved flame resistant cover will be marked accordingly on the layline.

(4) 221FR is type accepted by Lloyd's Register. It meets the requirements of the American Boat and Yacht council. 221FR is certified to meet the EC Directive 94/25/EC in accordance with ISO 7840.

For questions on standards and specifications please contact the Hose Products' Technical Services Department at (440) 943-5700 or visit our website at http://www.parkerhose.com and go to the products tab. Click on approvals to find a complete list of updated hose specifications.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Standards and Specifications

JIS - Adapters

JIS B8363 Code	Parker Part Number	Mates with End Configuration
A1	F3T4	FU
A2	F3P4	GU
A3	F63P4	UT
E1	C3T4	FU
E2	C3P4	GU
E3	V3T4	FU
E4	V3P4	GU

Note: See website at www.Parker/tfd.com, Catalog 4300 or call (614) 279-7070 for additional information.

JIS - Hose Fittings

JIS B8363 Code	Parker End Configeration Code	Fitting Series 43	Fitting Series 70	Fitting Series 71	Fitting Series 73	Fitting Series 78	Fitting Series 79
R	UT	X		X			
F	FU	X		X			
C	GU	X	X	X	X	X	
MF	MU	X		X			
S	15	X	X	X	X	X	
4S	17	X	X	X	X	X	
9S	19	X	X	X	X	X	
H	6A		X	X	X	X	X
4H	6F			X	X	X	X
9H	6N		X	X	X	X	X

Note: Parker Hose Standards are listed on page E-12 and E-13

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Assembly Methods

JIC 37° and SAE 45° Flare

Parker's recommended assembly method for JIC 37° flare and SAE 45° flare is the Flats From Wrench Resistance (FFWR) method. This includes steel as well as other materials.

The torque values assigned by size are for reference only, and are only applicable to Parker system components using the FFWR method with trivalent chromate passivation on zinc plating of carbon steel components without lubrication.

Dash Size	Flats From Wrench Resistance (FFWR)	Swivel Nut Torque	
		Newton Meters (Ref)	Pound Feet (Ref)
-4	2	18	13
-5	2	23	17
-6	1-1/2	30	22
-8	1-1/2	57	42
-10	1-1/2	81	60
-12	1-1/4	114	84
-16	1	160	118
-20	1	228	168
-24	1	265	195
-32	1	360	265

Seal-Lok®

Parker's recommended assembly method for Seal-Lok® connections is the torque method.

Dash Size	Swivel Nut Torque		Flats From Wrench Resistance (FFWR)
	Newton Meters (+10% / -0)	Pound Feet (+10% / -0)	
-4	25	18	1/2 - 3/4
-6	40	30	1/2 - 3/4
-8	55	40	1/2 - 3/4
-10	80	60	1/2 - 3/4
-12	115	85	1/3 - 1/2
-16	150	110	1/3 - 1/2
-20	205	150	1/3 - 1/2
-24	315	230	1/3 - 1/2
-32	-	-	-

Note: The assembly torques listed are higher than the test torques published in SAE J1453.

Torque Conversion Equivalents

Torque Conversion Equivalents Pound Inch - Pound Foot - Newton Meter		
Pound Foot x 12	=	Pound Inch
Pound Foot x 1.356	=	Newton Meter
Newton Meter x 8.850	=	Pound Inch
Newton Meter x 0.737	=	Pound Foot
Pound Inch x .083	=	Pound Foot
Pound Inch x 0.113	=	Newton Meter

The torque values for other materials are as follows:

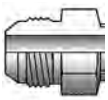
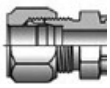
- Brass fittings and adapters - 65% of the torque value for steel.
- Stainless steel, and Monel - Use 5% higher than listed for steel. Threads to be lubricated for these materials..
- Dissimilar metals - use torque value designated for the lower of the two metals.
- All fittings are dry except as noted above.

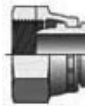
The Flats From Wrench Resistance (FFWR) and torque values listed above are consistent with the values recommended by Parker Tube Fittings Division (614) 279-7070 or www.parker.com/tfd).

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Thread Guide

								
size	**NPTF Pipe Thread Size**	**SAE (JIC) 37 Flare Thread Size**	**SAE 45 Flare Thread Size**	**O-Ring Style Straight Thread Size**	**SAE Inverted Flare Thread Size**	**PTT 30 Flare Thread Size**	**SAE Flare-less Thread Size**	**Seal-Lok Thread**
2	1/8 - 27	5/16 - 24	5/16 - 24	5/16 - 24	-	-	5/16 - 24	-
3	-	3/8 - 24	3/8 - 24	3/8 - 24	-	-	3/8 -24	-
4	1/4 - 18	7/16 - 20	7/16 - 20	7/16 - 20	7/16 - 24	-	7/16 - 20	9/16 - 18
5	-	1/2 - 20	1/2 - 20	1/2 - 20	1/2 - 20	-	1/2 - 20	-
6	3/8 - 18	9/16 - 18	5/8 - 18	9/16 - 18	5/8 - 18	-	9/16 - 18	11/16-16
8	1/2 - 14	3/4 - 16	3/4 - 16	3/4 - 16	3/4 - 18	-	3/4 - 16	13/16 - 16
10	-	7/8 - 14	7/8 - 14	7/8 - 14	7/8 - 18	-	7/8 - 14	1 -14
12	3/4 - 14	1 1/16 - 12	1 1/6 - 14	1 1/16 - 12	-	-	1 1/16 - 12	1 3/16 - 12
14	-	1 3/16 - 12	-	1 3/16 - 12	-	-	1 3/16 - 12	-
16	1 - 11 1/2	1 5/16 - 12	-	1 5/16 - 12	-	1 5/16 - 14	1 5/16 - 12	1 7/16 - 12
20	1 1/4 - 11 1/2	1 5/8 - 12	-	1 5/8 - 12	-	1 5/8 - 14	1 5/8 - 12	1 11/16 - 12
24	1 1/2 - 11 1/2	1 7/8 - 12	-	1 7/8 - 12	-	1 7/8 - 14	1 7/8 - 12	2-12
32	2 - 11 1/2	2 1/2 - 12	-	2 1/2 - 12	-	2 1/2 - 12	2 1/2 - 12	-

									
Fitting Size	**DIN "L" Swivel Female Thread Size**	**DIN "S" Swivel Female Thread Size**	**DIN "L" Male Stud Thread Size**	**DIN "S" Male Stud Thread Size**	**Male BSPP Thread Size**	**BSP Swivel Female Thread Size**	**French Swivel Female Gaz Series**	**French Swivel Female Met-ric Series**	**French Male Stud Metric Series**
4	-	-	-	-	1/4x19	1/4x19	--	-	
6	M12x1,5	M14x1,5	M12x1,5	M14x1,5	3/8x19	3/8x19	-	M12x1	
8	M14x1,5	M16x1,5	M14X1,5	M16x1,5	1/2x14	1/2x14	-	M14x1,5	
10	M16X1,5	M18x1,5	M16x1,5	M18x1,5	5/8x14	5/8x14	-	M16x1,5	
12	M18x1,5	M20x1,5	M18X1,5	M20x1,5	3/4x14	3/4x14	-	M18x1,5	
-	-	-	-	-	-	-	M20x1,5	-	
14	-	M22x1,5	-	M22x1,5	-	-	-	M20x1,5	
15	M22x1,5	-	M22x1,5	-	-	-	-	M22x1,5	
16	-	M24x1,5	-	M24x1,5	1x11	1x 11	-	M24X1,5	
-	-	-	-	-	-	-	M24x1,5	-	
18	M26x1,5	-	M26x1,5	-	-	-	-	M27x1,5	
20	-	M30x2	-	M30x2	1 1/4x11	1 1/4x11	-	M27x1,5	
-	-	-	-	-	-	-	M30x 1,5	-	
22	M30x2	-	M30x2	-	-	-	-	M30x1,5	
25	-	M36x2	-	M36x2	1 1/2x11	1 1/2x11	-	M33x1,5	
-	-	-	-	-	-	-	M36x1,5	-	
28	M36x2	-	M36x2	-	-	-	-	M36x1,5	
30	-	M42x2	-	M42x2	2x11	2x11	-	M39x1,5	
33	-	-	-	-	-	-	M45x1,5	-	

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Standard Fitting Configurations by Connection and End Code

	Description	End Code
Pipe	Male NPTF Pipe - Rigid - Straight	01
	Male NPTF Pipe - Swivel - Straight	13
	Male NPTF Pipe - Swivel - 90° Elbow	1L
	Male API Pipe - Rigid - Straight	AP
	Female NPTF Pipe - Rigid - Straight	02
	Female NPSM Pipe - Swivel - Straight (60° Cone)	07
	Female NPTF Pipe - Swivel - Straight	S2
	Female NPSM Pipe - Gasket Joint - Swivel - Straight	7G
	Female Grease Connection - SPL-PTF Taper Thread - Rigid Straight - ½ x 27	GJ
	Male NPTF Pipe - Rigid - 45° Elbow	31
	Male NPTF Pipe - Rigid - 90° Elbow or Side Outlet	21
SAE Str. Trd.	Male SAE Straight Thread with O-Ring - Rigid - Straight	05
	Male SAE Straight Thread with O-Ring - Swivel - Straight	0G
	Male SAE Straight Thread with O-Ring - Adjustable - 45° Elbow	25
	Male SAE Straight Thread with O-Ring - Swivel - 90° Elbow	0L
	Male SAE Straight Thread with O-Ring - Adjustable - 90° Elbow	35
Flare	Male JIC 37° - Rigid - Straight	03
	Male JIC 37° - Bulkhead without Locknut - Straight	LB
	Female JIC 37° - Swivel - Straight	06
	Female JIC 37° - Swivel - 45° Elbow - Short Drop	37
	Female JIC 37° - Swivel - 45° Elbow - Medium Drop	L7
	Female JIC 37° - Swivel - 90° Elbow - Short Drop	39
	Female JIC 37° - Swivel - 90° Elbow - Medium Drop	L9
	Female JIC 37° - Swivel - 90° Elbow - Long Drop	41
	Female JIC 37° - Swivel - Straight	48
	Female JIC 37° - Swivel - 150° Elbow	4V
	Male SAE 45° - Rigid - Straight	04
	Female SAE 45° - Swivel - Straight	08
	Female SAE 45 / Swivel - 45° Elbow	77
	Female SAE 45 / Swivel - 90° Elbow	79
	Female SAE 45 / Swivel - 90° Elbow - Long Drop	81
	Female JIC 37°/SAE 45° Dual Flare - Swivel - Straight	68
Inverted Flare	Male Inverted SAE 45° - Swivel - Straight	28
	Male Inverted SAE 45° - Swivel - 45° Elbow	67
	Male Inverted SAE 45° - Swivel - 90° Elbow	69
	Male Inverted SAE 45° - Swivel - 90° Elbow - Long (In-Line)	71
	Female Inverted SAE 45° - Rigid - Straight	29
Tube-O	Male Tube-O - Swivel - Straight - Short Pilot	S5
	Male Tube-O - Swivel - Straight - Short Pilot with Charge Port for R12	S5-PR
	Male Tube-O - Swivel - Straight - Long Pilot	45
	Male Tube-O - Swivel - Straight - Long Pilot with Charge Port for R12	45-PR

	Description	End Code
Tube-O	Male Tube-O - Swivel - Straight - Long Pilot with Charge Port for R134a	45-PT
	Female Tube-O - Swivel - 90° Elbow - Long Pilot	5L
	Female Tube-O - Swivel - 90° Elbow - Long Pilot with Charge Port for R12	5L-PB
	Female Tube-O - Swivel - 90° Elbow - Long Pilot with Charge Port for R12	5L-PR
	Female Tube-O - Swivel - 90° Elbow - Long Pilot with Charge Port for R134a	5L-PT
	Male Tube-O - Swivel - 90° Elbow - Long Pilot	5M
	Male Tube-O - Swivel - 90° Elbow - Long Pilot with Charge Port for R12	5M-PR
	Male Tube-O - Swivel - 90° Elbow - Long Pilot with Charge Port for R134a	5M-PT
	Male Tube-O - Swivel - 90° Elbow - Long Pilot with Charge Port for R134a	5M-PV
	Male Tube-O - Rigid - Straight - Internal Long Pilot (3-Step)	5G
	Male Tube-O - Rigid - Straight - Internal Long Pilot (3-Step) with Charge Port for R12	5G-PR
	Male Tube-O - Swivel - 45° Elbow - Short Pilot	5R
	Male Tube-O - Swivel - 45° Elbow - Long Pilot	5P
	Male Tube-O - Swivel - 45° Elbow - Long Pilot with Charge Port for R134a	5P-PT
	Male Tube-O - Swivel - 90° Elbow - Short Pilot	5K
	Male Tube-O - Swivel - 90° Elbow - Short Pilot with Charge Port for R134a	5K-PB
	Male Tube-O - Swivel - 90° Elbow - Short Pilot with Charge Port for R12	5K-PR
	Female Tube-O - Swivel - Straight - Short Pilot	5S
	Female Tube-O - Swivel - Straight - Long Pilot	59
	Female Tube-O - Swivel - Straight - Long Pilot with Charge Port for 134a	59-PB
	Female Tube-O - Swivel - Straight - Long Pilot with Charge Port	59-PT
	Female Tube-O - Swivel - 45° Elbow - Short Pilot	5H
	Female Tube-O - Swivel - 45° Elbow - Long Pilot	5N
	Female Tube-O - Swivel - 45° Elbow - Long Pilot with Charge Port	5N-PB
	Female Tube-O - Swivel - 45° Elbow - Long Pilot with Charge Port	5N-PT
	Female Tube-O - Swivel - 90° Elbow - Short Pilot	5T
Compressor	Female Compressor - Swivel - 45° Elbow	5V
	Female Compressor - Swivel - 90° Elbow	5W
	Female Compressor - Swivel - 90° Elbow - Block Type	5Z
	Female Compressor - Swivel - 135° Elbow	RV
	Female Compressor - Swivel - 180° Elbow - Block Type	RZ
	Male SAE Compression Seat (without Nut or Sleeve)	61
Flange	Two Hole (2.25" X 0.44") Flange - Rigid - 90° Elbow	2H
	SAE Code 61 Flange Head - Straight	15
	SAE Code 61 Flange Head - Straight (5,000 psi)	4A
	SAE Code 61 Flange Head - 22½° Elbow -	16

Continued on next page

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Continued from previous page

	Description	End Code
Flange	SAE Code 61 Flange Head-30° Elbow	26
	SAE Code 61 Flange Head-45° Elbow	17
	SAE Code 61 Flange Head-45° Elbow (5,000 psi)	4F
	SAE Code 61 Flange Head-60° Elbow	27
	SAE Code 61 Flange Head - 67½° Elbow	18
	SAE Code 61 Flange Head - 90° Elbow	19
	SAE Code 61 Flange Head - 90° Elbow - (5,000 psi)	4N
	SAE Code 61 Flange Head - 90° Elbow - Long Drop	89
	SAE Code 61 Flange Head - 110° Elbow	2U
	SAE Code 62 Flange Head - Straight	6A
	SAE Code 62 Flange Head - 22½° Elbow	6B
	SAE Code 62 Flange Head - 30° Elbow	6E
	SAE Code 62 Flange Head - 45° Elbow	6F
	SAE Code 62 Flange Head - 60° Elbow	6G
	SAE Code 62 Flange Head - 90° Elbow	6N
	Caterpillar® Flange Head - Straight	XA
	Caterpillar® Flange Head - 22½° Elbow	XB
	Caterpillar® Flange Head - 30° Elbow	XE
	Caterpillar® Flange Head - 45° Elbow	XF
	Caterpillar® Flange Head - 60° Elbow	XG
	Caterpillar® Flange Head - 67½° Elbow	XM
	Caterpillar® Flange Head - 90° Elbow	XN
Seal-Lok	Male Seal-Lok - Rigid - Straight (with O-Ring)	J0
	Male Seal-Lok - Bulkhead without Locknut - Straight (with O-Ring)	JB
	Female Seal-Lok - Swivel - Straight - Long	JS
	Female Seal-Lok - Swivel - Straight - Short	JC
	Female Seal-Lok - Swivel - 221/2° Elbow	J6
	Female Seal-Lok - Swivel - 45° Elbow	J7
	Female Seal-Lok - Swivel - 90° Elbow - Short Drop	J9
	Female Seal-Lok - Swivel - 90° Elbow - Medium Drop	J5
	Female Seal-Lok - Swivel - 90° Elbow - Long Drop	J1
JIS	Female Metric Swivel - Straight (30° Flare)	MU
	Female Metric - Swivel - Straight (30° Flare)	XU
	Female BSP Parallel Pipe - Swivel - Straight (30° Flare)	FU
	Male BSP Taper Pipe - Rigid - Straight (60° Cone)	UT
	Female BSP Parallel Pipe - Swivel - Straight (60° Cone)	GU
	Female BSP Parallel Pipe - Swivel - 45° Elbow (60° Cone)	G1
	Female BSP Parallel Pipe - Swivel - 90° Elbow (60° Cone)	G2
Metric	Male Metric L - Rigid - Straight (24° Cone)	D0
	Male Standpipe Metric L - Rigid - Straight	1D
	Female Metric - Swivel - Straight (Ball Nose)	C0
	Female Metric L - Swivel - Straight (Ball Nose)	C3
	Female Metric L - Swivel - 45° Elbow (Ball Nose)	C4
	Female Metric L - Swivel - 90° Elbow (Ball Nose)	C5

Standard Fitting Configurations by Connection and End Code

	Description	End Code
Metric	Female Metric L - Swivel - Straight (24° Cone with O-Ring)	CA
	Female Metric L - Swivel - 45° Elbow (24° Cone with O-Ring) -	CE
	Female Metric L - Swivel - 90° Elbow (24° Cone with O-Ring) -	CF
	Male Metric S - Rigid - Straight (24° Cone)	D2
	Male Standpipe Metric S - Rigid - Straight	3D
	Female Metric S - Swivel - Straight (Ball Nose)	C6
	Female Metric S - Swivel - 45° Elbow (Ball Nose)	C7
	Female Metric S - Swivel - 90° Elbow (Ball Nose)	C8
	Female Metric S - Swivel - Straight (24° Cone with O-Ring)	C9
	Female Metric S - Swivel - 45° Elbow (24° Cone with O-Ring)	0C
	Female Metric S - Swivel - 90° Elbow (24° Cone with O-Ring)	1C
BSP	Male BSP Taper Pipe - Rigid - Straight	91
	Female BSP Parallel Pipe - Swivel - Straight (60° Cone)	92
	Male BSP Parallel Pipe - Rigid - Straight (60° Cone)	D9
	Female BSP Parallel Pipe - Swivel - 45° Elbow (60° Cone)	B1
	Female BSP Parallel Pipe - Swivel - 90° Elbow (60° Cone)	B2
	Female BSP Parallel Pipe - Swivel - 90° Elbow Block Type (60° Cone)	B4
	Female BSP Parallel Pipe - Swivel - Straight (Flat Seat)	B5
	Male BSP Taper Pipe - Rigid - 45° Elbow	BV
	Male BSP Taper Pipe - Rigid - 90° Elbow or Side Outlet	BZ
Fr. Gaz	Male French Gaz Series - Rigid - Straight (24° Cone)	FG
	Female French Gaz Series - Swivel - Straight (Ball Nose)	F4
Specialty	DIN Metric Banjo - Straight	49
	88 Series Heavy Duty Hose Clamp (Double Bolt Hose Clamp)	88DB
	88 Series Hose Clamp-SAE 100R4 Two-Bolt Clamp	88HC-H
	88 Series Hose Clamp (Worm Gear)	88HC
	Push-Lok Union	82
	Hose Splicer	88
	Male Standpipe - Rigid - Straight (Inch Size Tube O.D.)	34
	Male Ferulok Flareless-Rigid-Straight (24° Cone with Nut and Ferrule)	11
	Female Ferulok Flareless - Swivel - Straight (24° Cone)	12
	Female Air Brake Jounce Line - Swivel - Straight	7B
	Male Refrigerant Tube Mender - Straight (with Nut and Ferrule)	T1
	Female PTT 30° - Swivel	32

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Application

Metric Conversion

METRIC to ENGLISH EQUIVALENTS
ENGLISH to METRIC EQUIVALENTS

inches x 25.4 = millimeters (mm)
inches x 2.54 = centimeters (cm)
feet x .3048 = meters (m)
yard x .9144 = meters (m)
psi x .0689 = bar
psi x .0069 = Megapascals (MPa)
psi x .0703 = Kilogram force per square centimeter (Kgf/cm^2)
pound force x 4.448 = Newtons
pound · inch x .113 = Newton · meters (N · m)
pound · foot x 1.356 = Newton · meters (N · m)
millimeter x .0394 = inch (in)
centimeter x .3937 = inch (in)
meters x 3.281 = feet (ft)
meters x 1.0936 = yards (yd)
bar x 14.5 = psi
Megapascals x 145.0 = psi
Kilogram force per square centimeter x 14.22 = psi
Newtons x .2248 = pounds force (lbf)
Newton · meter x 8.850 = pound · inches (lb · in)
Newton · meter x .737 = pound feet (lb · ft)

METRIC I.D. KIT
INTERNATIONAL HOSE FITTING IDENTIFICATION KIT

The booklet, gauges and caliper contained in this fitting I.D. Kit, can be used to identify most types of hydraulic hose fittings and adapters including:

- U.S. Standards
- British Standard Pipe
- German (DIN) Metric
- French Metric and GAZ
- Japanese Standards (JIS)

Contents of Kit:

- Instruction Book with Tables
- Screw Pitch Gauge for U.S. Threads
- International Gauge for Metric and British Threads
- Inch and Millimeter Caliper
- Carry Case

For information, contact your local distributor or the Parker Catalog Service Department - 1-800-272-7537 or 1-614-279-7070.

MILLIMETERS to FRACTIONS to DECIMALS

MM	INCHES		MM	INCHES		MM	INCHES		MM	INCHES	
	FRACTION	DECIMAL		FRACTION	DECIMAL		FRACTION	DECIMAL		FRACTION	DECIMAL
0.3969	1/64	0.0156	6.7469	17/64	0.2656	13.0969	33/64	0.5156	19.4469	49/64	0.7656
0.7938	1/32	0.0312	7.1438	9/32	0.2812	13.4938	17/32	0.5312	19.8438	25/32	0.7812
1.1906	3/64	0.0468	7.5406	19/64	0.2968	13.8906	35/64	0.5468	20.2406	51/64	0.7968
1.5875	1/16	0.0625	7.9375	5/16	0.3125	14.2875	9/16	0.5625	20.2375	13/16	0.8125
1.9844	5/64	0.0781	8.3344	21/64	0.3281	14.6844	37/64	0.5781	21.0344	53/64	0.8281
2.3812	3/32	0.0937	8.7312	11/32	0.3437	15.0812	19/32	0.5937	21.4312	27/32	0.8437
2.7781	7/64	0.1093	9.1281	23/64	0.3593	15.4781	39/64	0.6093	21.8281	55/64	0.8593
3.1750	1/8	0.1250	9.5250	3/8	0.3750	15.8750	5/8	0.6250	22.2250	7/8	0.8750
3.5719	9/64	0.1406	9.9219	25/64	0.3906	16.2719	41/64	0.6406	22.6219	57/64	0.8906
3.9688	5/32	0.1562	10.3188	13/32	0.4062	16.6688	21/32	0.6562	23.0188	29/32	0.9062
4.3656	11/64	0.1718	10.7156	27/64	0.4218	17.0656	43/64	0.6718	23.4156	59/64	0.9218
4.7625	3/16	0.1875	11.1125	7/16	0.4375	17.4625	11/16	0.6875	23.8125	15/16	0.9375
5.1594	13/64	0.2031	11.5094	29/64	0.4531	17.8594	45/64	0.7031	24.2094	61/64	0.9531
5.5562	7/32	0.2187	11.9062	15/32	0.4687	18.2562	23/32	0.7187	24.6062	31/32	0.9687
5.9531	15/64	0.2343	12.3031	31/64	0.4843	18.6531	47/64	0.7343	25.0031	63/64	0.9843
6.3500	1/4	0.2500	12.7000	1/2	0.5000	19.0500	3/4	0.7500	25.4000	1	1.0000

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information

⚠Warning: This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

Hose Selection by Medium and Hose Type

This hose compatibility chart is a ready reference of Parker hose compatibility with various fluid media. It is intended as a guide to chemical compatibility with inner tube materials and assembly lubricant applied internally. The specific recommendations are based upon field experience, the advice of various polymer or fluid suppliers, and specific laboratory experiments. **It must be stressed, however, that this information is offered only as a guide.** Final hose selection depends also upon pressure, fluid temperature, ambient temperature, and special requirements or variations, which may not be known by Parker Hannifin. Legal and other regulations must be followed with particular care. Where an external compatibility problem may occur, or for fluids not listed, we encourage you to first contact the fluid manufacturer for a recommendation prior to contacting your Parker Hannifin Field Representative or the Technical Service Department, Hose Products Division, Wickliffe, Ohio.

Use the Chart as Follows:

1. Locate medium to be carried using the Chemical Resistance Table on the following pages.
2. Select suitability of hose and fitting material from the table based on the letter rating in the table. See resistance rating key below for explanation of compatibility ratings. See list of numerals below for an explanation when a numeral, or a numeral and a letter rating are present in the table.
3. The Column headings on the Chemical Resistance Table, I, II, III, IV, V, refer to specific groups of hoses.
4. Locate hose part number under Column I, II, III, IV, V from the list below.
5. For fitting material availability refer to appropriate fitting section of catalog.
6. Check hose specifications in this catalog. Contact Hose Division Technical Service Department on any items not cataloged.

Resistance Rating Key

A = Preferred, good to excellent with little or no change in physical properties.
F = Fair, marginal or conditional with noticeable affects on physical properties.
X = Unsuitable, severe affects on physical properties.
~ = No rating, insufficient information.

Numerals

1. For air or gaseous applications above 250 PSI (1,7 MPa), the cover should be pin pricked.
2. Legal and insurance regulations must be considered. Contact Technical Service Department for more information.
3. Push-Lok hoses (801, 804, 821, 821FR, 831, 836) are not recommended for any type of fuel.
4. Use 285 or 244 hoses. The compatibility of the systems refrigeration oil with these hoses needs to be evaluated on a case by case basis. Contact HPD Technical Service Department for more information. Do not use mineral oil or Alkyl Benzene refrigeration oils with 244 hose. Chemical compatibility does not imply low permeation.
5. 150°F (65°C) maximum.
6. Satisfactory at some concentrations and temperatures, unsatisfactory at others.
7. For phosphate ester fluids use 304, 424, 774, 804 or F42 hoses.
8. Acceptable for flushing hose assemblies.
9. 221FR hose recommended.
10. For dry air applications, hoses with inner tubes from columns IV, and V are preferred. See hose specifications for maximum recommended temperatures with air.
11. 212°F (100°C) maximum.
12. 250°F (121°C) maximum.
13. Use SS23CG or SS25UL
14. Use SS23CG

Hose Types

Column I
AX, BXX, 201, 225, 301, 341, 601, 701, 711 721, 721TC, 721ST, 731, 761, P35, 781, 791TC, 881
Column II
SS25UL, 301LT, 351TC, 351ST, 421WC, 431, 451TC, 451ST, 471TC, 471ST, 801, 811, 811HT
Column III
221FR, 302, 422, 472TC, 482TC, 482ST, 772TC, 772ST, 782TC, 782ST, 792TC, 792ST, 821, 831, 302, JK
Column IV
206, 213, 266, 293, 426, 436, 821FR, 836
Column V
304, 424, 774, 804, F42

⚠ Caution:
The fluid manufacturer's recommended maximum operating temperature for any specific name-brand fluid should be closely observed by the user. Specific name brand fluids can vary greatly between manufacturers even though they are considered to be from the same family or type of fluids. Using fluids above the manufacturers maximum recommended temperature can cause the fluid to break down, creating by-products that can be harmful to elastomers or other materials used in the system. When selecting a hose type, both the fluid manufacturer and hose manufacturers maximum temperature limit must be taken into consideration, with the lower of the two taking precedence.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 1 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
3M FC-75	A	A	A	A	A	A	A	A
Acetic Acid	X	X	X	A	6	X	X	A
Acetone	X	X	X	A	A	A	A	A
Acetylene	X	X	X	X	X	~	~	~
AEROSHELL Turbine Oil 500	X	X	X	X	X	A	A	A
Air	A,1,10	A,1,10	A,1,10	A,1,10	A,1,10	A	A	A
Air (dry)	X	F,1,10	F,1,10	A,1,10	A,1,10	A	A	A
Alcohol (Methanol-Ethanol)	F	F	F	F	F	F	A	A
Americas Choice AW ISO 46	~	F	F	~	X	A	A	A
Ammonia (Anhydrous)	X	X	X	X	X	X	X	X
Ammonium Chloride	A	A	A	A	A	X	X	X
Ammonium Hydroxide	F	F	F	A	A	F	X	A
Ammonium Nitrate	A	A	A	F	A	F	X	A
Ammonium Phosphate	A	A	A	A	A	X	X	F
Ammonium Sulfate	A	A	A	A	A	F	X	F
Amoco 32 Rykon	X	A	A	F	X	A	A	A
Ampol PE 46	X	X	X	X	A,7	A	A	A
AMSOIL Synthetic ATF	F	A	A	A	X	A	A	A
Amyl Alcohol	X	X	X	F	F	X	A	A
Anderol 495,497,500,750	X	X	X	F	X	A	A	A
Aniline	X	X	X	F	A	A	X	A
Animal Fats	X	F	F	F	F	6	6	A
Aquacent Light, Heavy	X	A	A	X	X	A	A	A
Aries/Athena	F	F	F	~	X	A	A	A
Aromatic 100,150	X	F	F	~	X	A	A	A
Arrow 602P	A	A	A	A	X	A	A	A
Asphalt	X	F	F	F	X	F	F	A
ASTM #3 Oil	F	F	F	F	X	A	A	A
Astrol 1044AW	A	A	A	~	X	A	A	A
ATF-M	F	A	A	A	X	A	A	A
Automotive Brake Fluid	X	X	X	X	~	X	X	X
AW 32,46,68	F	A	A	A	X	A	A	A
BCF	F	F	F	F	~	A	A	A
Benz Petraulic 32,46,68,100,150,220,320,460	F	A	A	A	X	A	A	A
Benzene, Benzol	X	X	X	F	X	A	A	A
Benzgrind HP 15	~	A	A	A	X	A	A	A
Benzine	X	X	X	F	X	A	A	A
Biodegradable Hydraulic Fluid 112B	X	A	A	X	~	A	A	A
Bio-Soy, Agri Industries	X	A	A	X	X	A	A	A
Borax	F	F	F	F	A	F	A	A
Boric Acid	A	A	A	X	A	X	6	A
Brayco 882	X	A	A	A	X	A	A	A
Brayco Micronic 745	X	A	A	F	X	A	A	A
Brayco Micronic 776RP	F	A	A	F	X	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 2 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Brayco Micronic 889	X	F	F	~	X	A	A	A
Brine	F	F	F	A	A	X	F	F
Butane			See numerals 2 and 13			A	A	A
Butyl Alcohol, Butanol	F	F	F	F	F	F	F	A
Calcium Chloride	A	A	A	F	A	F	F	X
Calcium Hydroxide	A	A	A	A	A	A	A	A
Calcium Hypochlorite	X	X	X	A	A	X	F	X
Calibrating Fluid	A	A	A	A	X	A	A	A
Carbon Dioxide, gas	F	F	F	F	6	A	A	A
Carbon Dioxide, liquid	X	X	X	X	X	X	X	X
Carbon Disulfide	X	X	X	F	X	A	F	A
Carbon Monoxide (hot)	F	F	F	F	6	F	6	A
Carbon Tetrachloride	X	X	X	F	X	6	6	6
Carbonic Acid	F	F	F	X	F	X	X	F
Castor Oil	A	A	A	A	A	A	A	A
Castrol 5000	X	F	F	A	X	A	A	A
Cellosolve Acetate	X	X	X	X	A	X	X	A
Celluguard	A	A	A	~	A	A	A	A
Cellulube 90, 150, 220 300, 550, 1000	X	X	X	~	A	A	A	A
Chevron Clarity AW 32, 46, 68	A	A	A	A	X	A	A	A
Chevron FLO-COOL 180	F	F	F	~	X	A	A	A
Chevron FR-8, 10, 13, 20	X	X	X	X	A,7	A	A	A
Chevron Hydraulic Oils AW MV 15, 32, 46, 68, 100	A	A	A	A	X	A	A	A
Chevron HyJet IV (9)	X	X	X	X	A,7	A	A	A
Chevron Rykon MV	F	A	A	~	X	A	A	A
Cindol 3204 PBR	~	A	A	A	X	A	A	A
Citric Acid	F	A	A	X	A	X	X	6
Commonwealth EDM 242, 244	A	A	A	~	X	A	A	A
CompAir CN300	X	X	X	F	X	A	A	A
CompAir CS100, 200, 300, 400	X	X	X	F	X	A	A	A
Coolanol 15, 20, 25, 35, 45	A	A	A	A	A	A	A	A
Copper Chloride	F	A	A	X	A	X	X	X
Copper Sulfate	A	A	A	X	A	X	X	F
Cosmolubric HF-122, HF-130, HF-144	X	F	A	X	X	A	A	A
Cosmolubric HF-1530	X	F	A	X	X	A	A	A
Cottonseed Oil	F	A	A	F	X	A	A	A
CPI CP-4000	X	X	X	F	X	A	A	A
Crude Petroleum Oil	F	A	A	A	X	F	F	A
CSS 1001Dairy Hydraulic Fluid	F	A	A	A	X	A	A	A
Daphne AW32	A	A	A	A	X	A	A	A
Dasco FR 201-A	A	A	A	~	X	A	A	A
Dasco FR150, 200, 310	F	A	A	~	A	A	A	A
Dasco FR300, FR2550	X	X	X	~	X	A	A	A
Dasco FR355-3	X	F	A	X	X	A	A	A
Deicer Fluid 419R	A	A	A	~	~	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 3 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Deionized Water	A	A	A	A	A	F	F	A
Dexron II ATF	F	A	A	A	X	A	A	A
Dexron III ATF (to 170°F)	A	A	A	A	X	A	A	A
Dexron III ATF (to 212°F)	X	F	F	A	X	A	A	A
Dexron III ATF (to 250°F)	X	X	X	A	X	A	A	A
Dexron III ATF (to 300°F)	X	X	X	X	X			
DexronIIE/Mercon (at 212°F)	X	A	A	A	X	A	A	A
Diesel Fuel	F,3	A,3	A,3	A,3	X	A	A	A
Diester Fluids	X	X	X	F	X	A	A	A
Dow Corning 2-1802	~	~	~	F	~	A	A	A
Dow Corning DC 200, 510, 550, 560, FC126	A	A	A	F	~	A	A	A
Dow HD50-4	F	F	F	~	~	~	~	A
Dow Sullube 32	~	~	~	F	~	A	A	A
Dowtherm A,E	X	X	X	F	X	A	A	A
Dowtherm G	X	X	X	X	X	A	A	A
Duro AW-16, 31	A	A	A	~	X	A	A	A
Duro FR-HD	A	A	A	~	X	A	A	A
EcoSafe FR-68	A	A	A	~	~	A	A	A
Envirologic 3032, 3046, 3068	A	A	A	~	~	A	A	A
Ethanol	F	F	F	F	F	F	A	A
Ethers	X	X	X	F	X	A	A	A
Ethyl Acetate	X	X	X	F	F	F	A	A
Ethyl Alcohol	F	F	F	F	F	F	A	A
Ethyl Cellulose	F	F	F	F	F	X	F	F
Ethyl Chloride	X	X	X	X	A	F	F	F
Ethylene Dichloride	X	X	X	F	X	X	A	X
Ethylene Glycol	F	A	A	A	A	A	F	A
Exxon 2380 Turbo Oil	**X**	**F**	**F**	**X**	**X**	**A**	**A**	**A**
Exxon 3110 FR	**A**	**A**	**A**	**A**	**X**	**A**	**A**	**A**
Exxon Esstic	A	A	A	A	A	A	A	A
Exxon Mobil Rarus SHC 1026	~	~	~	A	~	A	A	A
Exxon Nuto H 46, 68	A	A	A	A	X	A	A	A
Exxon Tellura Indusrial Process Oils	A	A	A	A	X	A	A	A
Exxon Terresstic, EP	A	A	A	A	A	A	A	A
Exxon Turbo Oil 2380	X	F	F	F	X	A	A	A
Exxon Univolt 60, N61	F	A	A	A	X	A	A	A
FE 232 (Halon)	X	X	X	X	F	A	A	A
Fenso 150	~	A	A	~	X	A	A	A
Formaldehyde	X	X	X	A	A	X	F	A
Formic Acid	X	X	X	X	A	X	6	X
Freons see refrigerants	~	~	~	~	~	~	~	~
Fuel Oil	F	A	A	A	X	A	A	A
Fyre-Safe 120C,126,155,1090E,1150,1220,1300E	X	X	X	X	A,7	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 4 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Fyre-Safe 200C, 225, 211	F	A	A	A	A	A	A	A
Fyre-Safe W/O	A	A	A	A	X	A	A	A
Fyrguard 150, 150-M, 200	A	A	A	A	A	A	A	A
Fyrquel 60, 90, 150, 220, 300, 550, 1000	X	X	X	X	A,7	A	A	A
Fyrquel EHC, GT, LT, VPF	X	X	X	X	A,7	A	A	A
Fyrtek MF, 215, 290, 295	X	X	X	X	X	A	A	A
Gardner-Denver GD5000, GD8000	X	X	X	F	X	A	A	A
Gasoline			See numeral 9			A	A	A
Glue	F	F	F	~	X	A	F	A
Glycerine, Glycerol	A	A	A	A	A	A	F	A
Grease	A	A	A	A	X	A	A	A
Green Plus ES	X	A	A	X	~	A	A	A
Greens Care 32, 46	F	A	A	F	~	A	A	A
Gulf-FR Fluid P37, P40, P43, P45, P47	X	X	X	F	A	A	A	A
H-515 (NATO)	A	A	A	~	X	A	A	A
Halon 1211, 1301	F	F	F	F	~	A	A	A
Helium Gas	X	X	X	X	X	A	A	A
Heptane	X	F	F	A	X	A	A	A
Hexane	X	F	F	A	X	A	A	A
HF-20, HF-28	~	A	A	A	A	A	A	A
Houghto-Safe 1055, 1110, 1115, 1120, 1130 (9)	X	X	X	X	A,7	A	A	A
Houghto-Safe 271 to 640	F	A	A	F	A	A	A	A
Houghto-Safe 419 Hydraulic Fluid	A	A	A	~	X	A	A	A
Houghto-Safe 419R Deicer Fluid	A	A	A	~	~	A	A	A
Houghto-Safe 5046, 5046W, 5047-F	A	A	A	A	X	A	A	A
HP 100C (Jack hammer oil)	F	A	A	A	X	A	A	A
HPWG 46B	F	A	A	F	~	A	A	A
Hul-E-Mul	A	A	A	~	X	A	A	A
Hychem C, EP1000, RDF	A	A	A	A	A	A	A	A
Hydra Safe E-190	A	A	A	F	X	A	A	A
Hydra-Cut 481, 496	A	A	A	~	X	A	A	A
Hydrafluid 760	A	A	A	~	X	A	A	A
Hydrochloric Acid	X	X	X	X	X	X	X	X
Hydrofluoric Acid	X	X	X	X	X	X	6	X
Hydrogen Gas	X	X	X	X	X	A	A	A
Hydrogen Peroxide	X	X	X	F	X	X	X	6
Hydrogen Sulfide	X	X	X	X	A	X	X	6
Hydrolube	A	A	A	F	A	A	A	A
Hydrolubric 120-B, 141, 595	F	A	A	F	A	A	A	A
Hydrosafe Glycol 200	A	A	A	A	A	A	F	A
HyJet IV	X	X	X	X	A,7	A	A	A
Hyspin SP 10	~	A	A	A	X	A	A	A
Ideal Yellow 77	A	A	A	A	X	A	A	A
Imol S150 to S550	X	X	X	~	~	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 5 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Ingersoll Rand SSR Coolant	X	X	X	F	X	A	A	A
Isocyanates	F	F	F	F	X	A	~	A
Isooctane	X	F	F	A	X	A	A	A
Isopar H	X	X	X	X	X	A	A	A
Isopropyl Alcohol	F	F	F	F	F	F	A	A
Jayflex DIDP	X	X	X	X	A	A	A	A
JP3 and JP4	X	A	A	~	X	A	A	A
JP5	X	A	A	F	X	A	A	A
JP9	X	X	X	X	X	A	~	A
Kaeser 150P, 175P, 325R, 687R	X	X	X	F	X	A	A	A
Kerosene	X	A	A	F	X	A	A	A
KSL-214, 219, 220, 222	X	X	X	F	X	A	A	A
Lacquer	X	X	X	F	X	X	A	A
Lacquer Solvents	X	X	X	F	X	X	A	A
Lactic Acids	X	X	X	X	X	X	X	A
Lindol HF	X	X	X	F	A	A	A	A
Linseed Oil	A	A	A	A	A	A	A	A
LP-Gas			See numeral 13			A	A	A
Magnesium Chloride	A	A	A	A	A	X	X	X
Magnesium Hydroxide	F	F	F	A	A	F	F	F
Magnesium Sulfate	A	A	A	A	A	A	F	A
Mercaptans	X	X	X	X	X	~	~	~
Methane			See numeral 14			A	A	A
Methanol	F	F	F	F	F	F	A	A
Methyl Alcohol	F	F	F	F	F	F	A	A
Methyl Chloride	X	X	X	F	X	A	A	A
Methyl Ethyl Ketone (MEK)	X	X	X	F	X	F	A	A
Methyl Isopropyl-Ketone	X	X	X	X	X	F	A	A
Metsafe FR 303-M	X	X	X	X	X			
Metsafe FR303, FR310, FR315, FR330, FR350	X	X	X	X	X	A	A	A
Microzol-T46	X	A	A	~	X	A	A	A
MIL-B-46176A	X	X	X	X	X	X	X	X
MIL-H-46170	X	F	F	F	X	A	A	A
MIL-H-5606	F	A	A	A	X	A	A	A
MIL-H-6083	F	A	A	A	X	A	A	A
MIL-H-7083	F	A	A	A	X	A	A	A
MIL-H-83282	F	A	A	A	X	A	A	A
MIL-L-2104, 2104B	F	A	A	A	X	A	A	A
MIL-L-23699	X	X	X	X	X	A	A	A
MIL-L-7808	F	A	A	~	X	A	A	A
Mine Guard FR	A	A	A	~	A	A	A	A
Mineral Oil	A	A	A	F	X	A	A	A
Mineral Spirits	8	8	8	8	X	A	A	A
Mobil Aero HFE	F	A	A	F	X	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 6 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Mobil DTE 11M, 13M, 15M, 16M, 18M, 19M	F	A	A	A	X	A	A	A
Mobil DTE 22, 24, 25, 26	F	A	A	A	X	A	A	A
Mobil EAL 224H	X	A	A	X	~	A	A	A
Mobil EAL Artic 10, 15, 22,32, 46, 68, 100	X	X	X	X	X	A	A	A
Mobil EAL Evirosyn 46	A	A	A	A	X	A	A	A
Mobil Glygoyle 11, 22, 30, 80	A	A	A	~	X	A	A	A
Mobil HFA	F	A	A	A	X	A	A	A
Mobil Jet 2	X	F	F	A	X	A	A	A
Mobil Nyvac 20, 30, 200, FR	F	A	A	F	A	A	A	A
Mobil Rarus 824, 826, 827	X	X	X	F	X	A	A	A
Mobil SHC 500 Series	F	A	A	A	X	A	A	A
Mobil SHC 600 Series	F	A	A	A	X	A	A	A
Mobil SHC 800 Series	F	A	A	A	X	A	A	A
Mobil SHL 624	~	A	A	A	X	A	A	A
Mobil Vactra Oil	A	A	A	F	X	A	A	A
Mobil XRL 1618B	X	X	X	X	A,7	A	A	A
Mobilfluid 423	F	A	A	A	X	A	A	A
Mobilgear SHC 150, 220, 320, 460, 680	F	F	F	F	X	A	A	A
Mobilrama 525	A	A	A	F	X	A	A	A
Molub-Alloy 890	X	X	X	F	X	A	A	A
Moly Lube 'HF' 902	F	F	F	F	X	A	A	A
Monolec 6120 Hydraulic Oil	A	A	A	A	X	A	A	A
Morpholine (pure additive)	X	X	X	X	X	X	X	A
Naptha	X	F	F	A	X	A	A	A
Napthalene	X	X	X	F	X	A	A	A
Natural Gas			See numeral 14			A	A	A
Nitric Acid	X	X	X	X	X	X	X	F
Nitrobenzene	X	X	X	F	X	X	X	A
Nitrogen, gas	F,1	F,1	F,1	F,1	F,1	A	A	A
Nitrogen, liquid	X	X	X	X	X	X	X	X
NORPAR 12, 13, 15	8	8	8	8	X	A	A	A
Nuto H 46, 68	A	A	A	A	X	A	A	A
Nyvac 20, 30, 200, FR	F	A	A	F	A	A	A	A
Nyvac Light	X	X	X	~	A	A	A	A
Oceanic HW	F	A	A	F	X	A	A	A
Oxygen	X	X	X	X	X	X	A	A
Ozone	F	F	F	~	A	A	A	A
Pacer SLC 150, 300, 500, 700	X	X	X	F	X	A	A	A
Pennzbell AWX	F	A	A	F	X	A	A	A
Perchloroethylene	X	X	X	X	X	F	X	A
Petroleum Ether	X	F	F	F	X	A	A	A
Petroleum Oils	A	A	A	A	X	A	A	A
Phenol (Carbolic Acid)	X	X	X	A	X	X	F	A
Phosphate Ester Blends	X	X	X	X	X	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 7 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Phosphate Esters	X	X	X	X	A,7	A	A	A
Phosphoric Acid	X	X	X	X	X	X	X	F
Plurasafe P 1000, 1200	F	A	A	A	F	A	A	A
Polyalkylene Glycol	A	F	F	~	X	A	A	A
Polyol Ester	X	F	A	X	X	A	A	A
Potassium Chloride	A	A	A	A	A	X	F	F
Potassium Hydroxide	X	X	X	F	A	6	X	A
Potassium Sulfate	A	A	A	A	A	A	A	A
Propane			See numeral 13			A	A	A
Propylene Glycol	F	A	A	A	A	F	F	F
Pydraul 10-E, 29-E, 50-E, 65-E, 90-E, 115-E	X	X	X	X	A,7	A	A	A
Pydraul 230-C, 312-C, 68-S	X	X	X	X	A,7	A	A	A
Pydraul 60, 150, 625, F9	X	X	X	X	A,7	A	A	A
Pydraul 90, 135, 230, 312, 540, MC	X	X	X	X	X	A	A	A
Pydraul A-200	X	X	X	F	X	A	A	A
Pyro Gard 43, 230, 630	X	X	X	X	X	A	A	A
Pyro Gard C, D, R, 40S, 40W	F	A	A	F	X	A	A	A
Pyro Guard 53, 55, 51, 42	X	X	X	X	A,7	A	A	A
Quakerol 641, 720	X	F	A	X	F	A	A	A
Quintolubric 700	A	A	A	A	A	A	F	A
Quintolubric 807-SN	F	A	A	~	X	A	A	A
Quintolubric 822, 833	X	F	A	X	X	A	A	A
Quintolubric 822-68EHC (71°C, 160°F maximum)	X	F	A	~		A	A	A
Quintolubric 888	X	F	A	X	X	A	A	A
Quintolubric 957, 958	F	A	A	F	A	A	A	A
Quintolubric N822-300	~	~	A	~	~	A	A	A
Rando	A	A	A	A	X	A	A	A
Rayco 782	X	F	A	X	X	X	X	X
Refrigerant 124			See numeral 4			A	A	A
Refrigerant Freon 113, 114	X	X	X	X	X	A	A	A
Refrigerant Freon 12			See numeral 4			A	A	A
Refrigerant Freon 22			See numeral 4			A	A	A
Refrigerant Freon 502			See numeral 4			A	A	A
Refrigerant HFC134A			See numeral 4			A	A	A
Reolube Turbofluid 46	X	X	X	X	A,7	A	A	A
Rotella	A	A	A	A	X	A	A	A
Royal Bio Guard 3032, 3046, 3068, 3100	X	~	A	X	X	A	A	A
Royco 2200, 2210, 2222, 2232, 2246, 2268	X	X	X	X	X	A	A	A
Royco 4032, 4068, 4100, 4150	X	X	X	F	X	A	A	A
Royco 756, 783	A	A	A	A	X	A	A	A
Royco 770	X	F	F	F	X	A	A	A
RTV Silicone Adhesive Sealants	X	X	X	X	X	A	A	A
Safco-Safe T10, T20	~	~	~	~	A	F	F	A
Safety-Kleen ISO 32, 46, 68 hydraulic oil	F	A	A	~	X	A	A	A
Safety-Kleen Solvent	8	8	8	8	X	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information (Page 8 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Santoflex 13	F	F	F	~	F	A	A	A
Santosafe 300	X	X	X	~	X	A	A	A
Santosafe W/G 15 to 30	~	~	~	A	A	A	A	A
Sea Water	F	F	F	F	A	X	F	A
Sewage	F	F	F	A	F	X	F	A
Shell 140 Solvent	8	8	8	8	X	A	A	A
Shell Clavus HFC 68	X	X	X	X	X	A	A	A
Shell Comptella Oil	F	F	F	A	X	A	A	A
Shell Comptella Oil S 46, 68	F	F	F	A	X	A	A	A
Shell Comptella Oil SM	F	F	F	A	X	A	A	A
Shell Diala A, (R) Oil AX	F	A	A	F	X	A	A	A
Shell FRM	~	~	~	~	X	A	A	A
Shell IRUS 902, 905	A	A	A	~	A	A	A	A
Shell Pella-A	A	A	A	A	X	A	A	A
Shell Tellus	F	A	A	A	X	A	A	A
Shell Thermia Oil C	A	A	A	A	X	A	A	A
Shell Turbo R	X	F	F	A	X	A	A	A
SHF 220, 300, 450	X	X	A	X	X	A	A	A
Silicate Esters	A	F	F	A	X	A	A	A
Silicone Oils	A	A	A	~	~	A	A	A
Silicone Sealants	X	X	X	X	X	A	A	A
Skydrol 500B-4, LD-4	X	X	X	X	A,7	A	A	A
Soap Solutions	X	F	F	F	A	A	A	A
Soda Ash, Sodium Carbonate	A	A	A	A	A	A	F	A
Sodium Bisulfate	F	F	F	A	A	F	A	F
Sodium Chloride	F	F	F	A	A	X	F	A
Sodium Hydroxide	X	X	X	A	A	A	X	A
Sodium Hypochlorite	F	F	F	X	F	X	X	X
Sodium Nitrate	F	F	F	A	A	A	F	A
Sodium Peroxide	X	X	X	X	A	X	X	A
Sodium Silicate	A	A	A	A	A	A	A	A
Sodium Sulfate	A	A	A	A	A	A	A	A
Soybean Oil	F	A	A	A	A	A	A	A
SSR Coolant	X	X	X	F	X	A	A	A
Steam	X	X	X	X	X	F	A	A
Stoddard Solvent	8	8	8	8	X	A	A	A
Sulfur Chloride	X	X	X	F	X	X	X	X
Sulfur Dioxide	X	X	X	X	F	X	F	F
Sulfur Trioxide	X	X	X	F	F	X	X	X
Sulfuric Acid 0%-30% Room Temp	F	F	F	X	F,6	6	X	6
Summa-20, Rotor, Recip	X	X	X	F	X	A	A	A
Summit DSL-32,68,100,125	X	X	X	F	X	A	A	A
Sun Minesafe, Sun Safe	X	F	F	F	X	A	A	A
Sundex 8125	X	F	F	~	A	A	A	A
Suniso 3GS	A	A	A	A	X	A	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Media

Chemical Resistance Information(Page 9 of 9)

⚠ **Warning:** This chemical compatibility guide must not be used in conjunction with any other compatibility guides from previous or future catalog editions, bulletins or publications. Incorrect use of these charts could result in death, personal injury or property damage.

MEDIA	I	II	III	IV	V	Steel	Brass	SS
Sun-Vis 722	X	F	F	~	X	A	A	A
Super Hydraulic Oil 100, 150, 220	A	A	A	A	X	A	A	A
SUVA MP 39, 52, 66	X	X	X	X	X	A	A	A
SYNCON Oil	X	X	X	X	X	A	A	A
Syndale 2820	X	F	F	~	~	A	A	A
Synesstic 32,68,100	X	X	X	X	X	A	A	A
Syn-Flo 70,90	X	X	X	F	X	A	A	A
SYN-O-AD 8478	X	X	X	X	A,7	A	A	A
Tannic Acid	F	A	A	F	A	X	F	X
Tar	F	F	F	F	X	X	F	A
Tellus (Shell)	F	A	A	A	X	A	A	A
Texaco 760 Hydrafluid	~	~	~	~	X	A	A	A
Texaco 766, 763 (200 - 300)	~	~	~	~	A	F	F	A
Texaco A-Z Oil	A	A	A	F	X	A	A	A
Texaco Spindura Oil 22	F	F	F	F	X	A	A	A
Texaco Way Lubricant 68	A	A	A	A	X	A	A	A
Thanol-R-650-X	X	F	F	~	X	A	A	A
Thermanol 60	X	X	X	X	X	A	A	A
Toluene, Toluol	X	X	X	X	X	A	A	A
Transmission Oil	A	A	A	A	X	A	A	A
Tribol 1440	X	F	F	X	X	A	A	A
Trichloroethylene	X	X	X	F	X	X	A	A
Trim-Sol	F	A	A	F	X	A	A	A
Turbinol 50, 1122, 1223	X	X	X	X	A,7	A	A	A
Turpentine	X	X	X	F	X	A	A	A
Ucon Hydrolubes	F	A	A	F	A	A	A	A
UltraChem 215,230,501,751	X	X	X	F	X	A	A	A
Univis J26	A	A	A	A	X	A	A	A
Unleaded Gasoline			See numeral 9			A	A	A
Unocal 66/3 Mineral Spirits	8	8	8	8	X	A	A	A
Urea	F	F	F	A	F	F	~	F
Urethane Formulations	A	A	A	A	~	A	A	A
Van Straaten 902	A	A	A	A	X	A	A	A
Varnish	X	X	X	F	X	F	F	A
Varsol	8	F	F	8	X	A	A	A
Versilube F44, F55	~	A	A	A	~	A	A	A
Vinegar	X	X	X	F	A	F	X	A
Vital 29, 4300, 5230, 5310	X	X	X	X	X	A	A	A
Volt Esso 35	A	A	A	A	X	A	A	A
Water	F	A	A	A	A	F	A	A
Water / Glycols	A	A	A	A	A	A	F	A
Xylene, Xylol	X	X	X	X	X	A	A	A
Zerol 150	A	A	A	A	X	A	A	A
Zinc Chloride	A	A	A	X	A	X	X	F
Zinc Sulfate	A	A	A	X	A	X	A	A

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Pressure

Working Pressure Chart

PARKER HOSE SIZE / RECOMMENDED MAXIMUM WORKING PRESSURES
In addition to pressure, other factors must also be considered in the selection of the proper hose, e.g. fluid compatability, temperatures, environment, etc. For additional information on a specific hose,consult the respective hose listing in this catalog.

	Hose Size	Working Pressure (psi)													Standard Temp. Range °F
		-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	
Hydraulic	**601**		1250		1125	1000		750	565						-40/+257
	422		3250	3125	2600	2325	1875	1525	1275	900	725	575			-40/+212
	424								1000	625	500	375			-40/+176
	421WC		2750		2250	2000		1250	1000						-40/+257
	426		2750		2250	2000	1500	1250	1000	625	500	375			-50/+302
	AX		3000		3000	2500	1500	1250	1000						-40/+212
	482TC **482ST**		3250	3250	3000	2500	2000	1750	1275						-40/+212
	BXX		5000		4000	3500	2750	2250	2000						-40/+212
	431		5000	4250	4000	3500	2750	2250	2000						-40/+257
	436				4000	3500	2750	2250	2000						-55/+302
	304		5000		4000	3500		2250	2000	1625	1250	1125			-40/+176
	301LT		5000		4000	3500		2250	2000						-67/+212
	451TC **451ST**		3000		3000	3000	3000	3000	3000	3000					-40/+212
	341				4500	4000		3000	3000	2500					-40/+212
	302		5800	5000	4750	4000	3600	3100	2400	1800	1300	1150			-40/+212
	471TC **471ST**		5800		5000	4250	3625	3125	2500						-40/+212
	472TC									2250	1800	1300			-40/+212
	351TC **351ST**		4000	4000	4000	4000	4000	4000							-40/+212
	721 **721TC**				4000	4000	4000	4000	4000	3000	2500	2500			-40/+257
	721ST					4000	4000	4000	4000	3000					-40/+257
	772TC/ST				4000	4000	4000	4000	4000	3000	2500	2500			-40/+257
	774							4000	4000	3000	2500	2500			-40/+176
	711										3000	3000			-40/+212
	781 **P35**							5000	5000	5000	5000	5000			-40/+257
	782TC **782ST**							5000	5000	5000	5000				-40/+257
	731							6000	5500	4700	4200	3600			-40/+212
	701				6500	6000	5000								-40/+212
	791TC							6000	6000	6000	6000				-40/+257
	792TC **792ST**							6000	6000	6000					-40/+257
	761							8000							-40/+257
	JK		10500		10000										-40/+120
	F42					6000		6000	6000	6000					

(continued)

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Pressure

Working Pressure Chart

PARKER HOSE SIZE / RECOMMENDED MAXIMUM WORKING PRESSURES

In addition to pressure, other factors must also be considered in the selection of the proper hose, e.g. fluid compatability, temperatures, environment, etc. For additional information on a specific hose,consult the respective hose listing in this catalog.

(continued from previous page)

	Hose Size	Working Pressure (psi)													Standard Temp Range F
		-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	
Suction & Return	811/811HT w/HC							100	70	50	50	50	62		-40/+212
	881 w/HC							100	70	50	50	50	62		-40/+257
	811/811HT w/81							300	250	200	150	100	62		-40/+257
	881 w/43/81/DB							300	250	200	150	100	62		-40/+257
Push-Lok	804		150		150	150		150							-40/+176
	801		250		250	250	250	250	175						-40/+212
	836		250		250	250	250								-55/+302
	821		350		300	300	250	250							-40/+212
	821FR		350		300	300		250							-40/+212
Transportation	831		350		300	300	300	300							-40/+212
	271				225	225									-50/+212
	SS23CG				350	350	350	350							-40/+250
	SS25UL		350	350	350	350	350	350							-40/+250
	293		500		500	500	450	450	450						-58/+302
	221FR			500	500	500	500	500	500						-4/+212
	213		2000	1500	1500	1250	1000	750	400	300	300	200			-50/+302
	266		2000	1500	1500	1250	1250	750	400	300	250				-55/+302
	201		3000	3000	2250	2000	1750	1500	800	625	500	350	350	200	-40/+302
	206		3000	3000	2250	2000	1750	1500	800	625	500	350	350		-55/+302
	225		3000	3000	2250	2000	1750	1500	800	625	500	350			-40/+212
Refrigerant	285		500		500	500	500	500							-22/+257
	244								500	500	500				-22/+257

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Pressure

Pressure Rating of Hose End Connections

PRESSURE RATINGS HOSE ASSEMBLIES - PSI

THE MAXIMUM DYNAMIC WORKING PRESSURE OF THE HOSE ASSEMBLY IS THE LESSER OF THE RATED WORKING PRESSURE OF THE HOSE AND THE END CONNECTIONS USED.

Hose End Connection Description	Part Number Codes	Inch Size Fittings (psi)										
		-2	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
Male Pipe (NPTF)	01	12,000	12,000		10,000	10,000		7,500	6,500	5,000	3,000	2,500
Female Pipe (NPTF, NPSM)	02 & 07	7,500	7,000		6,000	5,000		4,000	3,000	2,500	2,000	2,000
Male Pipe (BSP)	91 & D9	5,000	9,000		8,000	6,250		5,000	4,000	3,500	3,000	3,000
Female Pipe (BSP)	92, B1, B2 & B4	5,000	9,000		8,000	6,250	5,500	5,000	4,000	3,500	3,000	3,000
JIS	FU, GU, MU & UT		5,000		5,000	5,000		4,000	3,000	2,500	1,500	1,500
O-Ring Swivel and 45° Flare*	13, 1L, S2, 0G, 0L,48, 08, 77 & 79		3,000	3,000	3,000	3,000	2,750	2,250	2,000	1,625	1,250	1,125
37° Flare and Straight Thread*	03, 05, 06**, 37, 39**,41, L7 & L9		6,000	6,000	5,000	5,000	5,000	5,000	4,000	3,000	2,500	2,500
SAE Flareless	11 & 12		6,000	6,000	5,600	5,600	4,200	4,200	3,500	3,500	3,000	3,000
SAE Inverted Flare	28, 67 & 69		2,750	2,500	2,250	2,000						
Seal-Lok®* (O-ring Face Seal)	JM, JC, JS, J0, J1, J5, J7 & J9		9,200		9,200	9,200	6,000	6,000	6,000	4,000	4,000	
SAE Flanges Code 61	15, 16, 17, 18, 19, 26, 27 & 89					5,000		5,000	5,000	4,000	4,000	3,000
SAE Flanges Code 61 Special	4A, 4F & 4N									5,000	5,000	5,000
SAE Flanges Code 62	6A, 6E, 6F, 6G, 6N,XA, XF, XG & XN							6,000	6,000	6,000	6,000	6,000

*NOTE: 45°, 37° and Seal-Lok Torque Tables are on page E-15
**NOTE: For pressure rating of 06 and 39 end configurations in 73, 78, and 79 series, see each description in Section B.

Hose End Connection Description	Part Number Codes	Metric Fittings (psi)															
		-6	-8	-10	-12	-14	-15	-16	-18	-20	-22	-25	-28	-30	-35	-38	-42
DIN Light "L" without O-Ring	C3, C4, C5 & 1D	3,500	3,500	3,500	3,500		3,500		2,250		2,250		1,400		1,400		1,400
DIN Light "L" with O-Ring	D0, CA, CE & CF	4,500	4,500	4,500	4,500		4,500		2,250		2,250		2,250		2,250		2,250
DIN Heavy "S" without O-Ring	C6, C7, C8 & 3D		9,000	9,000	9,000	9,000		5,750		5,750		5,750		3,500		3,500	
DIN Heavy "S" with O-Ring	C9, 0C, 1C & D2		9,000	9,000	9,000	9,000		6,000		6,000		6,000		6,000		4,500	
DIN 20078 Form C	C0										900		900		900		900
Banjo	49	3,000	3,000	3,000	3,000		3,000			3,000	3,000	3,000					
French Metric	F9 & FA			3,000	3,500	2,000			2,250	2,000	1,900			1,750			

Hose End Connection Description	Part Number Codes	French Gaz Fittings (psi)				
		-13	-17	-21	-27	-33
French Gaz	F4, FG, GJ & GE	5,250	3,900	3,700	3,000	2,500

*NOTE: ALL THE ABOVE RATINGS ARE BASED ON LOW CARBON STEEL HOSE FITTINGS. HIGHER PRESSURE RATINGS CAN BE ATTAINED WITH MEDIUM CARBON AND ALLOY STEEL HOSE FITTINGS AND MATING ADAPTERS.

PRESSURE RATING OF HOSE - PSI

THE MAXIMUM WORKING PRESSURES OF HOSE ARE LISTED ON PAGE E-30 and E-31 AND WITH EACH HOSE DESCRIPTION IN SECTION A.

Pressure

Metric Pressure Conversions

PRESSURE CONVERSIONS									
Kilo-Pascals (kPa)	Mega-Pascals (MPa)	Bar (bar)	Kilograms per Square Centimeter (Kgf/cm ^{2})	lbs per Square Inch (psi)	lbs per Square Inch (psi)	Kilo-Pascals (kPa)	Mega-Pascals (MPa)	Bar (bar)	Kilograms per Square Centimeter (Kgf/cm ^{2})
100	0.1	1.00	1.0	14.50	10	68.9	0.07	0.7	0.70
200	0.2	2.00	2.0	29.00	20	137.9	0.14	1.4	1.41
300	0.3	3.00	3.1	43.50	30	206.8	0.21	2.1	2.11
400	0.4	4.00	4.1	58.00	40	275.8	0.28	2.8	2.81
500	0.5	5.00	5.1	72.50	50	344.7	0.34	3.4	3.52
600	0.6	6.00	6.1	87.00	60	413.7	0.41	4.1	4.22
700	0.7	7.00	7.1	101.50	70	482.6	0.48	4.8	4.92
800	0.8	8.00	8.2	116.00	80	551.6	0.55	5.5	5.63
900	0.9	9.00	9.2	130.50	90	620.5	0.62	6.2	6.33
1000	1.0	10.00	10.2	145.00	100	689.0	0.70	6.9	7.00
2000	2.0	20.00	20.4	290.10	200	1379.0	1.40	13.8	14.10
3000	3.0	30.00	30.6	435.10	300	2068.0	2.10	20.7	21.10
4000	4.0	40.00	40.8	580.20	400	2758.0	2.80	27.6	28.10
5000	5.0	50.00	51.0	725.20	500	3447.0	3.40	34.5	35.20
6000	6.0	60.00	61.2	870.20	600	4137.0	4.10	41.4	42.20
7000	7.0	70.00	71.4	1015.30	700	4826.0	4.80	48.3	49.20
8000	8.0	80.00	81.6	1160.30	800	5516.0	5.50	55.2	56.30
9000	9.0	90.00	91.8	1305.30	900	6205.0	6.20	62.1	63.30
10000	10.0	100.00	102.0	1450.00	1000	6895.0	6.90	68.9	70.30
20000	20.0	200.00	204.0	2901.00	2000	13790.0	13.80	137.9	140.70
30000	30.0	300.00	306.0	4351.00	3000	20684.0	20.70	206.8	211.00
40000	40.0	400.00	408.0	5802.00	4000	27579.0	27.60	275.8	281.30
50000	50.0	500.00	510.0	7252.00	5000	34474.0	34.50	344.7	351.60
60000	60.0	600.00	612.0	8702.00	6000	41369.0	41.40	413.7	421.90
70000	70.0	700.00	714.0	10153.00	7000	48263.0	48.30	482.6	492.30
80000	80.0	800.00	816.0	11603.00	8000	55158.0	55.20	551.6	562.60
90000	90.0	900.00	918.0	13053.00	9000	62053.0	62.10	620.5	632.90
100000	100.0	1000.00	1020.0	14504.00	10000	68948.0	68.90	689.0	703.00
200000	100.0	2000.00	2040.0	29008.00	20000	137895.0	137.90	1379.0	1406.00
300000	300.0	3000.00	3060.0	43511.00	30000	206843.0	206.80	2068.0	2110.00
					40000	275790.0	275.80	2758.0	2813.00

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

PART NUMBER	PAGE NUMBER
201	A-27
206	A-27
213	A-26
225	A-28
244	A-29
266	A-26
271	A-24
285	A-29
293	A-25
422	A-8
424	A-8
426	A-9
431	A-11
436	A-11
601	A-8
701	A-17
711	A-16
731	A-18
761	A-19
774	A-16
781	A-16
801	A-22
804	A-22
811	A-20
821	A-23
831	A-23
836	A-22
881	A-21
10125	B-6
10126	B-11
10143	B-29
10170	B-58
10173	B-82
10178	B-94
10243	B-30
10326	B-11
10343	B-32
10370	B-58
10371	B-68
10426	B-13
10443	B-36
10543	B-31
10571	B-68
10626	B-12
10643	B-33
10670	B-58
10671	B-69
10673	B-82
10678	B-94
10743	B-30
10825	B-6
10826	B-13
10843	B-36
11143	B-37
11243	B-38
11343	B-29
11543	B-39
11571	B-71
11573	B-82
11578	B-94
11643	B-40
11671	B-71
11743	B-40
11770	B-59
11771	B-72
11773	B-83
11778	B-95
11843	B-41
11871	B-73
11943	B-41
11970	B-59
11971	B-73
11973	B-83
11978	B-95
12643	B-40
12671	B-72
12743	B-41
12771	B-72
12826	B-14
12843	B-38
13726	B-12
13743	B-34
13771	B-69
13926	B-12
13943	B-35
13970	B-58
13971	B-70
13973	B-82
13978	B-94
14126	B-13
14143	B-36
14171	B-70
14943	B-54
16726	B-15
16743	B-39
16826	B-14
16926	B-15
16943	B-39
17726	B-13
17743	B-37
17926	B-14
17943	B-37
18971	B-74
19243	B-52
015301	C-6
017M	B-6
0188	B-182
01TB	B-188
0254111	C-6
0588	B-182
05TB	B-189
0688	B-183
10081	B-185
10171	B-68
101HY	B-111
101S6	B-102
102HY	B-112
103HY	B-114
105HY	B-113
106HY	B-115
106S6	B-102
107HY	B-112
108HY	B-117
10C43	B-51
10C70	B-63
10C73	B-87
10C78	B-101
10G43	B-31
10GHY	B-113
10L43	B-32
10LHY	B-114
111HY	B-118
11243	B-38
113HY	B-111
11C43	B-52
11C70	B-63
11C73	B-88
11C78	B-101
11D43	B-47
11L43	B-30
11LHY	B-112
128HY	B-119
129HY	B-120
12U71	B-74
134HY	B-119
137HY	B-116
139HY	B-116
13D43	B-50
13DHY	B-123
141HY	B-117
14526-PR	B-18
14526-PT	B-18
14A73	B-83
14A78	B-95
14AS6	B-102
14F73	B-83
14F78	B-95
14FS6	B-102
14N73	B-84
14N78	B-96
14NS6	B-102
14V43	B-36
1588	B-183
15926-PB	B-20
15926-PT	B-20
15G26	B-19
15G26-PR	B-19
15H26	B-20
15K26	B-17
15K26-PB	B-17
15K26-PR	B-18
15L26	B-21
15L26-PB	B-21
15L26-PR	B-22
15L26-PT	B-22
15M26-PR	B-18
15M26-PT	B-19
15N26-PB	B-21
15N26-PT	B-21
15P26-PT	B-22
15R26	B-17
15S26	B-19
15T26	B-20
15T3	D-5
15V26	B-23
15W26	B-23
15Z26	B-23
167HY	B-119
169HY	B-120
16A70	B-59
16A71	B-74
16A73	B-84
16A78	B-96
16A79	B-106
16AS6	B-103
16B78	B-96
16E78	B-96
16F71	B-74

Continued

PART NUMBER	PAGE NUMBER
16F73	B-84
16F78	B-97
16F79	B-106
16FS6	B-103
16G78	B-97
16G79	B-106
16N70	B-60
16N71	B-75
16N73	B-84
16N78	B-97
16N79	B-107
16NS6	B-103
177HY	B-118
1788	B-184
179HY	B-118
17B25	B-6
17B26	B-22
17T3	D-5
18A76	B-91
18F76	B-91
18N76	B-91
19270	B-63
193HY	B-117
1988	B-184
19T3	D-5
1B143	B-53
1B170	B-63
1B173	B-89
1B243	B-53
1B270	B-64
1B273	B-89
1B443	B-53
1B543	B-54
1C043	B-51
1C343	B-48
1C443	B-48
1C543	B-48
1C643	B-50
1C943	B-51
1C970	B-64
1C971	B-78
1C973	B-87
1C978	B-101
1CA43	B-49
1CA70	B-64
1CE43	B-49
1CE70	B-64
1CF43	B-49
1CF70	B-65
1D043	B-47
1D0HY	B-123
1D243	B-50
1D270	B-65
1D271	B-78
1D273	B-87
1D278	B-101
1D943	B-52
1D970	B-65
1D973	B-88
1D9HY	B-123
1F443	B-56
1FG70	B-62
1FU43	B-56
1FU71	B-79
1G173	B-86
1G273	B-86
1GJ43	B-38
1GJHY	B-118
1GU43	B-56
1GU70	B-62
1GU71	B-78
1GU73	B-86
1GU78	B-101
1GUHY	B-124
1J043	B-42
1J071	B-75
1J0HY	B-120
1J143	B-47
1J170	B-61
1J171	B-77
1J1HY	B-122
1J543	B-46
1J570	B-61
1J571	B-77
1J643	B-44
1J726	B-16
1J743	B-45
1J770	B-60
1J771	B-76
1J773	B-85
1J778	B-100
1J779	B-107
1J7HY	B-121
1J926	B-16
1J943	B-46
1J970	B-61
1J971	B-77
1J973	B-85
1J978	B-100
1J979	B-107
1J9HY	B-122
1JB43	B-42
1JC26	B-15
1JC43	B-43
1JC70	B-60
1JC71	B-75
1JCHY	B-120
1JS43	B-44
1JS70	B-60
1JS71	B-76
1JS73	B-85
1JS78	B-100
1JS79	B-107
1JSHY	B-121
1JSS6	B-103
1L743	B-34
1L943	B-35
1L971	B-70
1LB43	B-33
1MU43	B-55
1MU71	B-79
1RV26	B-23
1RZ26	B-24
1S243	B-31
1S526	B-16
1S526-PR	B-17
1T126	B-24
1UT43	B-56
1UT71	B-78
1UTHY	B-124
1XA78	B-98
1XA79	B-108
1XAS6	B-103
1XB78	B-98
1XE78	B-98
1XF78	B-99
1XF79	B-108
1XG78	B-99
1XN78	B-99
1XN79	B-108
1XU43	B-55
1XU71	B-79
1XUHY	B-124
20120	B-126
20121	B-136
20122	B-144
20130	B-152
20142	B-158
20320	B-126
20330	B-153
20342	B-159
20420	B-128
20530	B-152
20542	B-158
20620	B-127
20621	B-136
20622	B-144
20623	B-148
20630	B-153
20642	B-159
20820	B-129
20821	B-137
20822	B-144
20823	B-148
20830	B-154
20842	B-160
21120	B-130
21130	B-155
21230	B-155
21330	B-152
21342	B-158
21520	B-131
21720	B-132
2188	B-182
21920	B-132
21D42	B-161
21TB	B-188
221FR	A-25
22820	B-130
22821	B-138
23220	B-131
23221	B-138
23223	B-148
23720	B-127
23721	B-136
23730	B-154
23742	B-160
239	C-22
23920	B-128
23921	B-137
23930	B-154
23942	B-160
24120	B-128
24121	B-137
24130	B-154
24142	B-160
25H21	B-140
25L21	B-140

Continued

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

PART NUMBER	PAGE NUMBER
25M21	B-139
25N21	B-140
25S21	B-139
25T21	B-140
25TB	B-189
26120	B-131
26720	B-130
26721	B-138
26920	B-131
26921	B-139
2726	C-26
2727	C-26
27720	B-129
27721	B-137
27920	B-129
27921	B-138
28120	B-130
29242	B-162
2C342	B-162
2C642	B-162
2J120	B-133
2J720	B-132
2J920	B-133
2J930	B-155
2J942	B-161
2JS20	B-132
2JS30	B-155
2JS42	B-161
2S521	B-139
3/4 Reel Rack	D-27
30182	B-166
301LT	A-12
302	A-13
30282	B-167
30382	B-167
304	A-11
30482	B-169
30682	B-168
30882	B-169
31382	B-166
316	C-23
3188	B-182
31D82	B-173
31TB	B-188
32882	B-170
32982	B-170
332T-115V	C-22
33482	B-172
33782	B-168
339	C-22
33982	B-168
341	A-13
34182	B-168
34982	B-174
351ST	A-14
351TC	A-14
35TB	B-189
36782	B-170
36982	B-170
37782	B-169
3788	B-183
37982	B-169
37G82	B-167
38282	B-172
39282	B-173
3988	B-183
39T3	D-6
3B282	B-173
3C382	B-176
3C482	B-175
3C582	B-176
3CA82	B-175
3CF82	B-175
3D082	B-172
3D982	B-173
3J182	B-171
3J782	B-171
3J982	B-171
3JC82	B-171
40B-Cabinet	D-27
41T3	D-6
421WC	A-9
432-115V	C-24
451ST	A-12
451TC	A-12
451TC Twin Tough	A-12
471ST	A-13
471TC	A-13
471TC Twin Tough	A-14
472TC	A-14
482ST	A-10
482TC	A-10
4AH3	D-6
4AJM	D-8
4FH3	D-7
4FJM	D-8
4NH3	D-7
4NJM	D-8
5050HK	D-11
50H	D-10
5151HK	D-11
51H	D-11
59RG	D-17
601069	C-25
631075	C-22
652200	C-26
652201	C-26
662451	C-24
6AH3	D-7
6AJM	D-9
6FH3	D-7
6FJM	D-9
6NH3	D-8
6NJM	D-9
711509	D-15
711510	D-15
721	A-15
721ST	A-15
721TC	A-15
72B-Cabinet	D-27
72B-Cabinet	D-28
772ST	A-15
772TC	A-15
782ST	A-17
782TC	A-17
791TC	A-18
792ST	A-19
792TC	A-19
80C-061	C-8
80C-101	C-8
80C-181	C-8
80C-9DR	C-24
80C-Axx	C-21
80C-Axx	C-8
80C-R01	C-8
80C-R02	C-8
80C-SDR	C-25
80C-SDR-BASE	C-25
80C-SDR-LG	C-25
80C-SDR-SM	C-25
811HT	A-20
81C-R01	C-21
81C-R02	C-21
821FR	A-23
82C-001	C-8
82C-002	C-8
82C-00L	C-8
82C-00L	C-8
82C-061	C-8
82C-080	C-8
82C-0AP	C-20
82C-0EP	C-20
82C-0HP	C-20
82C-0HP	C-8
82C-R01	C-8
82C-R01-PDF	C-6
82C-R02	C-8
832021	C-8
83C-001	C-14
83C-002	C-14
83C-080	C-14
83C-081	C-14
83C-082	C-14
83C-0DR	C-24
83C-KDA	C-14
83C-OCB	C-12
83C-OCB	C-14
83C-R02	C-12
83C-R02	C-14
83C-R02H	C-12
83C-R02H	C-14
83C-S20	C-14
83C-S40	C-14
85C-080	C-10
85C-0EP	C-20
85C-0HP	C-20
85C-12V	C-20
85C-R01	C-10
85C-R02	C-10
871522	C-22
881540	C-23
8888	B-185
88C-081	C-12
88C-082	C-12
88DB	B-185
88DB Clamp	D-24
88HC	B-185
88HC-H	B-185
88HC-H Clamp	D-24
89C-061	C-10
89C-062	C-10
8ARG	D-16
8FH	D-12
8FHFHK	D-12
8GC-002	C-21
8PC-001	C-21
8PC-00P	C-21
8PC-030	C-21

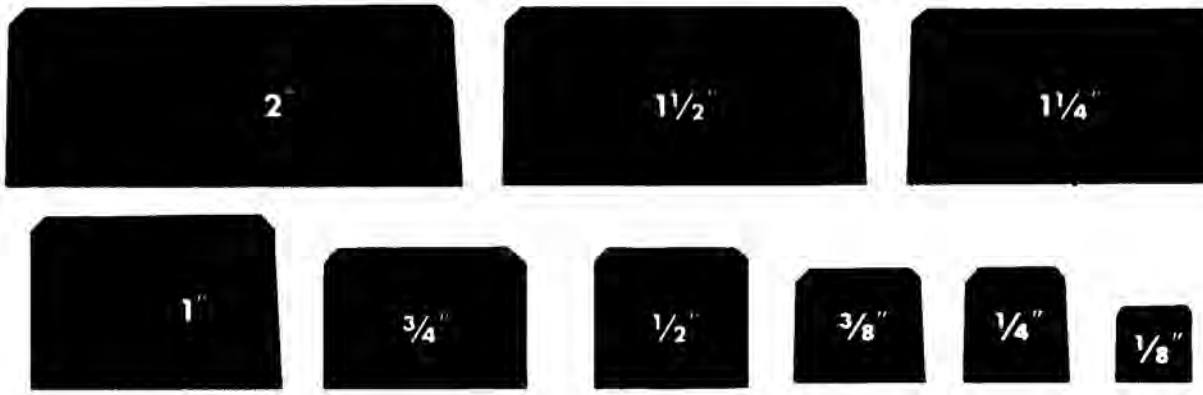
Continued

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

PART NUMBER	PAGE NUMBER
8WC-001	C-21
94C-001-PFD	C-6
94C-002-PFD	C-6
94C-080-PD	C-6
Accrolube	C-25
AM	B-174
AM	B-54
Armor Guard (AG)	D-20
AX	A-9
BXX	A-10
C9RG	D-15
C9RG	D-15
CL Clamp	D-23
Clamp	B-185
Conversion Kits	C-21
CORG	D-17
D9DT	D-15
F42	A-18
Firesleeve (FS-F)	D-21
Firesleeve Accessories	D-22
FSC Clamp	D-21
HC Clamp	D-24
HFH	D-12
HFHFHK	D-12
High Pressure (Code 62)	D-10
Hose Adapters	D-4
Hose Assemby Workstations	D-26
Hose Oil	C-25
HoseFab Table	D-27
HP	D-25
HP-13 RFL	D-25
HP-15 RFL	D-25
HP-18 RFL	D-25
HP-B	D-25
HP-B-13	D-25
HP-B-13-RFL	D-25
HP-B-13X18-KIT	D-25
HP-B-15	D-25
HP-B-15-RFL	D-25
HP-B-18	D-25
HP-B-18-RFL	D-25
HR6 Hose Bin	D-28
HT	D-25
HT-12	D-25
HT-12-KIT	D-25
HT-16	D-25
HT-16-KIT	D-25
HT-22	D-25
HT-22-KIT	D-25
J0RG	D-16
JC88	B-184
JK	A-19
JS88	B-184
M1H	D-13
M1M1HK	D-13
M2H	D-14
M2M2HK	D-14
P35	A-17
Parker Kart	D-28
ParKoil (PG)	D-19
Partek Sleeve	D-18
Polyguard (HG)	D-19
Protection Shields	D-25
Pumps	C-20
Push-Lok Kits	B-177
Push-Lok Merchandiser	B-178
Rotary Reel Rack	D-27
Saw Table	D-27
Spring Guard (SG)	D-20
SS23CG	A-24
SS25UL	A-24
Standard Pressure (Code 61)	D-10
T1RG	D-17
TH11-1	C-23
TH2-7	C-24
TH2-7-ELS	C-24
TH2-7M25-6	C-26
TH2-7M25-8	C-26
TH7-4	D-26
TH7-5-C	D-26
TH7-5-C	D-27
TH7-5-HT	D-26
TH7-5-HT	D-27
TH7-5-R	D-27
TH7-5-S	D-27
TH7-6	D-26
TH7-6	D-27
TH7-6-C	D-26
TH7-6-C	D-27
TH7-7	D-26
TH7-7	D-27
TH7-8	D-26
TH7-8	D-27
TH7-8-F	D-26
TH7-8-F	D-27
TH9-1-26A	C-24
TH9-1-26B	C-24
TH9-1-43A	C-24
TH9-1-43B	C-24
TH9-1-70	C-24
TH9-1-71	C-24
TH9-1-73	C-24
TH9-1-78	C-24
TH9-1-HY	C-24
TH9-1-STD	C-24
XARG	D-16

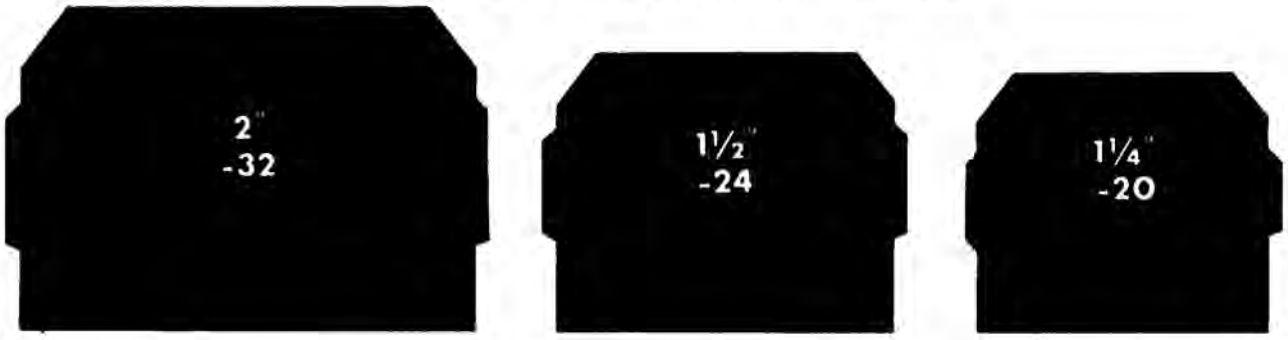
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Male Pipe Thread Sizes



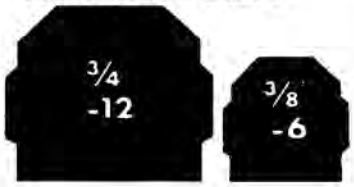
SAE (JIC) 37° Flare Nose Cone Sizes

SAE (JIC) 37° Flare Nose Cone Sizes

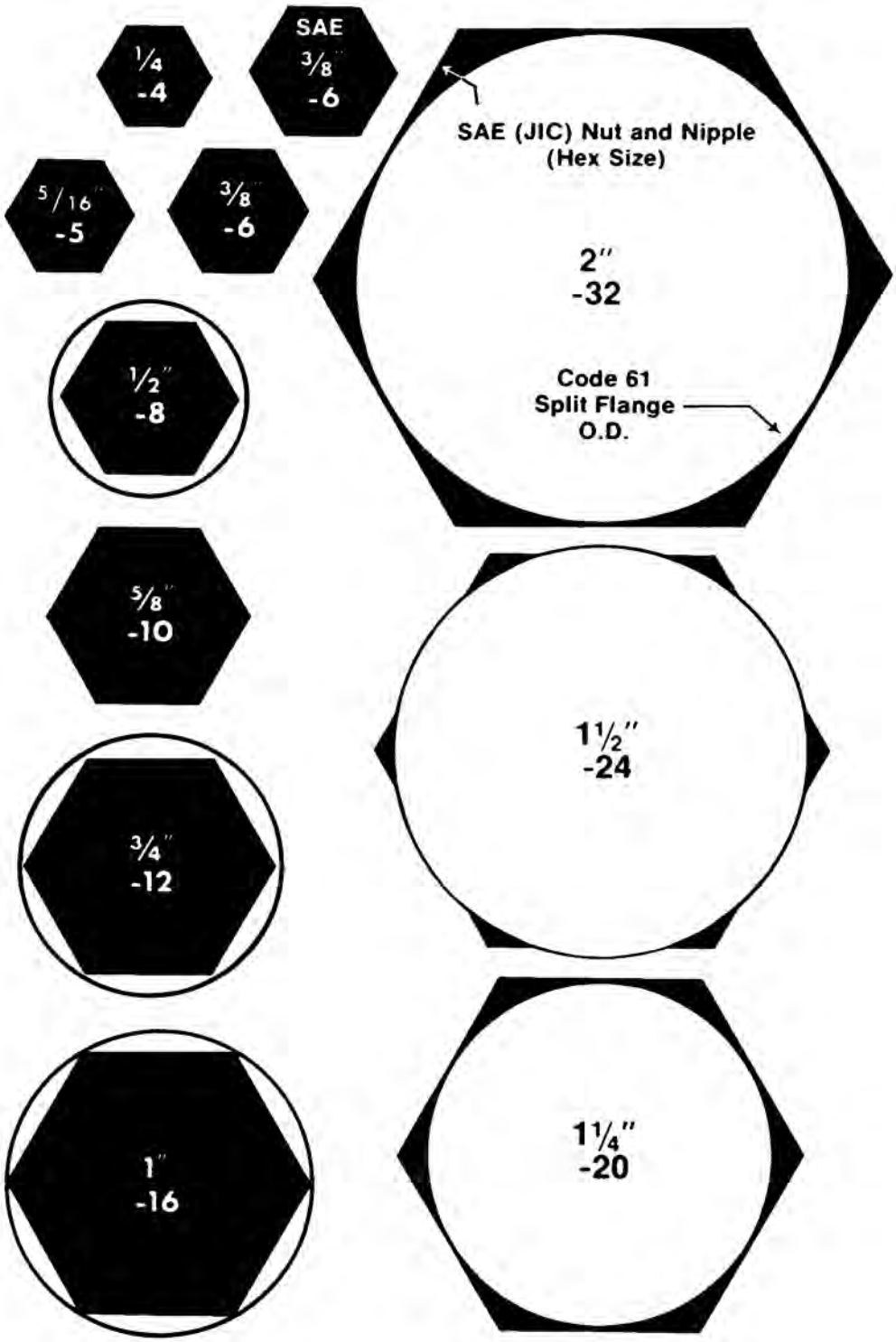


37° and 45° Flare Nose Angles

SAE 45° Flare Nose Cone Sizes



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com



Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Safety Guide

⚠ Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories

Parker Publication No. 4400-B.1
Revised: May, 2002

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.
•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 below. 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.

1.0 GENERAL INSTRUCTIONS

1.1 Scope: This safety guide provides instructions for selecting and using (including assembling, installing, and maintaining) these Products. For convenience, all rubber and/or thermoplastic products commonly called "hose" or "tubing" are called "Hose" in this safety guide. All assemblies made with Hose are called "Hose Assemblies". All products commonly called "fittings" or "couplings" are called "Fittings". All related accessories (including crimping and swaging machines and tooling) are called "Related Accessories". This safety guide is a supplement to and is to be used with, the specific Parker publications for the specific Hose, Fittings and Related Accessories that are being considered for use.

1.2 Fail-Safe: Hose, and Hose Assemblies and Fittings can and do fail without warning for many reasons. Design all systems and equipment in a fail-safe mode, so that failure of the Hose or Hose Assembly or Fitting will not endanger persons or property.

1.3 Distribution: Provide a copy of this safety guide to each person that is responsible for selecting or using Hose and Fitting products. Do not select or use Parker Hose or Fittings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the products considered or selected.

1.4 User Responsibility: Due to the wide variety of operating conditions and applications for Hose and Fittings, Parker and its distributors do not represent or warrant that any particular Hose or Fitting is suitable for any specific end use system. This safety guide does not analyze all technical parameters that must be considered in selecting a product. The user, through its own analysis and testing, is solely responsible for:

- Making the final selection of the Hose and Fitting.
- Assuring that the user's requirements are met and that the application presents no health or safety hazards.
- Providing all appropriate health and safety warnings on the equipment on which the Hose and Fittings are used.
- Assuring compliance with all applicable government and industry standards.

1.5 Additional Questions: Call the appropriate Parker technical service department if you have any questions or require any additional information. See the Parker publication for the product being considered or used, or call 1-800-CPARKER, or go to www.parker.com, for telephone numbers of the appropriate technical service department.

2.0 HOSE AND FITTING SELECTION INSTRUCTIONS

2.1 Electrical Conductivity: Certain applications require that the Hose be nonconductive to prevent electrical current flow. Other applications require the Hose and the Fitting and the Hose/Fitting interface to be sufficiently conductive to drain off static electricity. Extreme care must be exercised when selecting Hose and Fittings for these or any other applications in which electrical conductivity or nonconductivity is a factor.

The electrical conductivity or nonconductivity of Hose and Fittings is dependent upon many factors and may be susceptible to change. These factors include but are not limited to the various materials used to make the Hose and the Fittings, Fitting finish (some Fitting finishes are electrically conductive while others are nonconductive), manufacturing methods (including moisture control), how the Fittings contact the Hose, age and amount of deterioration or damage or other changes, moisture content of the Hose at any particular time, and other factors.

The following are considerations for electrically nonconductive and conductive Hose. For other applications consult the individual catalog pages and the appropriate industry or regulatory standards for proper selection.

2.1.1 Electrically Nonconductive Hose: Certain applications require that the Hose be nonconductive to prevent electrical current flow or to maintain electrical isolation. For these applications that require Hose to be electrically nonconductive, including but not limited to applications near high voltage electric lines, only special nonconductive Hose can be used. The manufacturer of the equipment in which the nonconductive Hose is to be used must be consulted to be certain that the Hose and Fittings that are selected are proper for the application. Do not use any Parker Hose or Fitting for any such application requiring nonconductive Hose, including but not limited to applications near high voltage electric lines, unless (i) the application is expressly approved in the Parker technical publication for the product, (ii) the Hose is marked "nonconductive", and (iii) the manufacturer of the equipment on which the Hose is to be used specifically approves the particular Parker Hose and Fitting for such use.

2.1.2 Electrically Conductive Hose: Parker manufacturers special Hose for certain applications that require electrically conductive Hose.

Parker manufactures special Hose for conveying paint in airless paint spraying applications. This Hose is labeled "Electrically Conductive Airless Paint Spray Hose" on its layline and packaging. This Hose must be properly connected to the appropriate Parker Fittings and properly grounded in order to dissipate dangerous static charge buildup, which occurs in all airless paint spraying applications. Do not use any other Hose for airless paint spraying, even if electrically conductive. Use of any other Hose or failure to properly connect the Hose can cause a fire or an explosion resulting in death, personal injury, and property damage.

Parker manufactures a special Hose for certain compressed natural gas ("CNG") applications where static electricity buildup may occur. Parker CNG Hose assemblies comply with AGA Requirements 1-93, "Hoses for Natural Gas Vehicles and Fuel Dispensers". This Hose is labeled "Electrically Conductive for CNG Use" on its layline and packaging. This Hose must be properly connected to the appropriate Parker Fittings and properly grounded in order to dissipate dangerous static charge buildup, which occurs in, for example, high velocity CNG dispensing or transfer. Do not use any other Hose for CNG applications where static charge buildup may occur, even if electrically conductive. Use of other Hoses in CNG applications or failure to properly connect or ground this Hose can cause a fire or an explosion resulting in death, personal injury, and property damage. Care must also be taken to protect against CNG permeation through the Hose wall. See section 2.6, Permeation, for more information. Parker CNG Hose is intended for dispenser and vehicle use at a maximum temperature of 180°F. Parker CNG Hose should not be used in confined spaces or unventilated areas or areas exceeding 180°F. Final assemblies must be tested for leaks. CNG Hose Assemblies should be tested on a monthly basis for conductivity per AGA 1-93.

Parker manufacturers special Hose for aerospace in flight applications. Aerospace in flight applications employing Hose to transmit fuel, lubricating fluids and hydraulic fluids require a special Hose with a conductive inner tube. This Hose for in flight applications is available only from Parker's Stratoflex Products Division. Do not use any other Parker Hose for in flight applications, even if electrically conductive. Use of other Hoses for in flight applications or failure to properly connect or ground this Hose can cause a fire or an explosion resulting in death, personal injury , and property damage. These Hose assemblies for in flight applications must meet all applicable aerospace industry, aircraft engine, and aircraft requirements.

2.2 Pressure: Hose selection must be made so that the published maximum recommended 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

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Safety Guide

published maximum working pressure for the Hose. Surge pressures and peak pressures can usually only be determined by sensitive electrical instrumentation that measures and indicates pressures at millisecond intervals. Mechanical pressure gauges indicate only average pressures and cannot be used to determine surge pressures or peak transient pressures. Published burst pressure ratings for Hose is for manufacturing test purposes only and is no indication that the Product can be used in applications at the burst pressure or otherwise above the published maximum recommended working pressure.

2.3 Suction: Hoses used for suction applications must be selected to insure that the Hose will withstand the vacuum and pressure of the system. Improperly selected Hose may collapse in suction application.

2.4 Temperature: Be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the Hose. Temperatures below and above the recommended limit can degrade Hose to a point where a failure may occur and release fluid. Properly insulate and protect the Hose Assembly when routing near hot objects (e.g. manifolds). Do not use any Hose in any application where failure of the Hose could result in the conveyed fluids (or vapors or mist from the conveyed fluids) contacting any open flame, molten metal, or other potential fire ignition source that could cause burning or explosion of the conveyed fluids or vapors.

2.5 Fluid Compatibility: Hose Assembly selection must assure compatibility of the Hose tube, cover, reinforcement, and Fittings with the fluid media used. See the fluid compatibility chart in the Parker publication for the product being considered or used. This information is offered only as a guide. Actual service life can only be determined by the end user by testing under all extreme conditions and other analysis.

Hose that is chemically compatible with a particular fluid must be assembled using Fittings and adapters containing likewise compatible seals.

2.6 Permeation: Permeation (that is, seepage through the Hose) will occur from inside the Hose to outside when Hose is used with gases, liquid and gas fuels, and refrigerants (including but not limited to such materials as helium, diesel fuel, gasoline, natural gas, or LPG). This permeation may result in high concentrations of vapors which are potentially flammable, explosive, or toxic, and in loss of fluid. Dangerous explosions, fires, and other hazards can result when using the wrong Hose for such applications. The system designer must take into account the fact that this permeation will take place and must not use Hose if this permeation could be hazardous. The system designer must take into account all legal, government, insurance, or any other special regulations which govern the use of fuels and refrigerants. Never use a Hose even though the fluid compatibility is acceptable without considering the potential hazardous effects that can result from permeation through the Hose Assembly.

Permeation of moisture from outside the Hose to inside the Hose will also occur in Hose assemblies, regardless of internal pressure. If this moisture permeation would have detrimental effects (particularly, but not limited to refrigeration and air conditioning systems), incorporation of sufficient drying capacity in the system or other appropriate system safeguards should be selected and used.

2.7 Size: Transmission of power by means of pressurized fluid varies with pressure and rate of flow. The size of the components must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.

2.8 Routing: Attention must be given to optimum routing to minimize inherent problems (kinking or flow restriction due to Hose collapse, twisting of the Hose, proximity to hot objects or heat sources).

2.9 Environment: Care must be taken to insure that the Hose and Fittings are either compatible with or protected from the environment (that is, surrounding conditions) to which they are exposed. Environmental conditions including but not limited to ultraviolet radiation, sunlight, heat, ozone, moisture, water, salt water, chemicals, and air pollutants can cause degradation and premature failure.

2.10 Mechanical Loads: External forces can significantly reduce Hose life or cause failure. Mechanical loads which must be considered include excessive flexing, twist, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type Fittings or adapters may be required to insure no twist is put into the Hose. Unusual applications may require special testing prior to Hose selection.

2.11 Physical Damage: Care must be taken to protect Hose from wear, snagging, kinking, bending smaller that minimum bend radius, and cutting, any of which can cause premature Hose failure. Any Hose that has been kinked or bent to a radius smaller than the minimum bend radius, and any Hose that has been cut or is cracked or is otherwise damaged, should be removed and discarded.

2.12 Proper End Fitting: See instructions 3.2 through 3.5. These recommendations may be substantiated by testing to industry standards such as SAE J517 for hydraulic applications, or MIL-A-5070, AS1339, or AS3517 for Hoses from Parker's Stratoflex Products Division for aerospace applications.

2.13 Length: When establishing a proper Hose length, motion absorption, Hose length changes due to pressure, and Hose and machine tolerances and movement must be considered.

2.14 Specifications and Standards: When selecting Hose and Fittings, government, industry, and Parker specifications and recommendations must be reviewed and followed as applicable.

2.15 Hose Cleanliness: Hose components may vary in cleanliness levels. Care must be taken to insure that the Hose Assembly selected has an adequate level of cleanliness for the application.

2.16 Fire Resistant Fluids: Some fire resistant fluids that are to be conveyed by Hose require use of the same type of Hose as used with petroleum base fluids. Some such fluids require a special Hose, while a few fluids will not work with any Hose at all. See instructions 2.5 and 1.5. The wrong Hose may fail after a very short service. In addition, all liquids but pure water may burn fiercely under certain conditions, and even pure water leakage may be hazardous.

2.17 Radiant Heat: Hose can be heated to destruction without contact by such nearby items as hot manifolds or molten metal. The same heat source may then initiate a fire. This can occur despite the presence of cool air around the Hose.

2.18 Welding or Brazing: When using a torch or arc-welder in close proximity to hydraulic lines, the hydraulic lines should be removed or shielded with appropriate fire resistant materials. Flame or weld spatter could burn through the Hose and possibly ignite escaping fluid resulting in a catastrophic failure. Heating of plated parts, including Hose Fittings and adapters, above 450°F (232°C) such as during welding, brazing, or soldering may emit deadly gases.

2.19 Atomic Radiation: Atomic radiation affects all materials used in Hose assemblies. Since the long-term effects may be unknown, do not expose Hose assemblies to atomic radiation.

2.20 Aerospace Applications: The only Hose and Fittings that may be used for in flight aerospace applications are tHose available from Parker's Stratoflex Products Division. Do not use any other Hose or Fittings for in flight applications. Do not use any Hose or Fittings from Parker's Stratoflex Products Division with any other Hose or Fittings, unless expressly approved in writing by the engineering manager or chief engineer of Stratoflex Products Division and verified by the user's own testing and inspection to aerospace industry standards.

2.21 Unlocking Couplings: Ball locking couplings or other couplings with disconnect sleeves can unintentionally disconnect if they are dragged over obstructions or if the sleeve is bumped or moved enough to cause disconnect. Threaded couplings should be considered where there is a potential for accidental uncoupling.

3.0 HOSE AND FITTING ASSEMBLY AND INSTALLATION INSTRUCTIONS

3.1 Component Inspection: Prior to assembly, a careful examination of the Hose and Fittings must be performed. All components must be checked for correct style, size, catalog number, and length. The Hose must be examined for cleanliness, obstructions, blisters, cover looseness, kinks, cracks, cuts or any other visible defects. Inspect the Fitting and sealing surfaces for burrs, nicks, corrosion or other imperfections. Do NOT use any component that displays any signs of nonconformance.

3.2 Hose and Fitting Assembly: Do not assemble a Parker Fitting on a Parker Hose that is not specifically listed by Parker for that Fitting, unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division. Do not assemble a Parker Fitting on another manufacturers Hose or a Parker Hose on another manufacturers Fitting unless (i) the engineering manager or chief engineer of the appropriate Parker division approves the Assembly in writing or that combination is expressly approved in the appropriate Parker literature for the specific Parker product, and (ii) the user verifies the Assembly and the application through analysis and testing. For Parker Hose that does not specify a Parker Fitting, the user is solely responsible for the selection of the proper Fitting and Hose Assembly procedures. See instruction 1.4.

The Parker published instructions must be followed for assembling the Fittings on the Hose. These instructions are provided in the Parker Fitting catalog for the specific Parker Fitting being used, or by calling 1-800-CPARKER, or at www.parker.com.

3.3 Related Accessories: Do not crimp or swage any Parker Hose or Fitting with anything but the listed swage or crimp machine and dies in accordance

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Safety Guide & MSDS Statement

with Parker published instructions. Do not crimp or swage another manufacturers Fitting with a Parker crimp or swage die unless authorized in writing by the engineering manager of chief engineer of the appropriate Parker division.

3.4 Parts: Do not use any Parker Fitting part (including but not limited to socket, shell, nipple, or insert) except with the correct Parker mating parts, in accordance with Parker published instructions, unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division.

3.5 Reusable/Permanent: Do not reuse any field attachable (reusable) Hose Fitting that has blown or pulled off a Hose. Do not reuse a Parker permanent Hose Fitting (crimped or swaged) or any part thereof. Complete Hose Assemblies may only be reused after proper inspection under section 4.0. Do not assemble Fittings to any previously used hydraulic Hose that was in service, for use in a fluid power application.

3.6 Pre-Installation Inspection: Prior to installation, a careful examination of the Hose Assembly must be performed. Inspect the Hose Assembly for any damage or defects. Do NOT use any Hose Assembly that displays any signs of nonconformance.

3.7 Minimum Bend Radius: Installation of a Hose at less than the minimum listed bend radius may significantly reduce the Hose life. Particular attention must be given to preclude sharp bending at the Hose to Fitting juncture. Any bending during installation at less than the minimum bend radius must be avoided. If any Hose is kinked during installation, the Hose must be discarded.

3.8 Twist Angle and Orientation: Hose Assembly installation must be such that relative motion of machine components does not produce twisting.

3.9 Securement: In many applications, it may be necessary to restrain, protect, or guide the Hose to protect it from damage by unnecessary flexing, pressure surges, and contact with other mechanical components. Care must be taken to insure such restraints do not introduce additional stress or wear points.

3.10 Proper Connection of Ports: Proper physical installation of the Hose Assembly requires a correctly installed port connection insuring that no twist or torque is transferred to the Hose when the Fittings are being tightened or otherwise during use.

3.11 External Damage: Proper installation is not complete without insuring that tensile loads, side loads, kinking, flattening, potential abrasion, thread damage, or damage to sealing surfaces are corrected or eliminated. See instruction 2.10.

3.12 System Checkout: All air entrapment must be eliminated and the system pressurized to the maximum system pressure (at or below the Hose maximum working pressure) and checked for proper function and freedom from leaks. Personnel must stay out of potential hazardous areas while testing and using.

3.13 Routing: The Hose Assembly should be routed in such a manner so if a failure does occur, the escaping media will not cause personal injury or property damage. In addition, if fluid media comes in contact with hot surfaces, open flame, or sparks, a fire or explosion may occur. See section 2.4.

4.0 HOSE AND FITTING MAINTENANCE AND REPLACEMENT INSTRUCTIONS

4.1 Even with proper selection and installation, Hose life may be significantly reduced without a continuing maintenance program. The severity of the application, risk potential from a possible Hose failure, and experience with any Hose failures in the application or in similar applications should determine the frequency of the inspection and the replacement for the Products so that Products are replaced before any failure occurs. A maintenance program must be established and followed by the user and, at minimum, must include instructions 4.2 through 4.7.

4.2 Visual Inspection Hose/Fitting: Any of the following conditions require immediate shut down and replacement of the Hose Assembly:

- Fitting slippage on Hose,
- Damaged, cracked, cut or abraded cover (any reinforcement exposed);
- Hard, stiff, heat cracked, or charred Hose;
- Cracked, damaged, or badly corroded Fittings;
- Leaks at Fitting or in Hose;
- Kinked, crushed, flattened or twisted Hose; and
- Blistered, soft, degraded, or loose cover.

4.3 Visual Inspection All Other: The following items must be tightened, repaired, corrected or replaced as required:

- Leaking port conditions;
- Excess dirt buildup;
- Worn clamps, guards or shields; and
- System fluid level, fluid type, and any air entrapment.

4.4 Functional Test: Operate the system at maximum operating pressure and check for possible malfunctions and leaks. Personnel must avoid potential hazardous areas while testing and using the system. See section 2.2.

4.5 Replacement Intervals: Hose assemblies and elastomeric seals used on Hose Fittings and adapters will eventually age, harden, wear and deteriorate under thermal cycling and compression set. Hose Assemblies and elastomeric seals should be inspected and replaced at specific replacement intervals, based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage, or injury risk.

See section 1.2.

4.6 Hose Inspection and Failure: Hydraulic power is accomplished by utilizing high-pressure fluids to transfer energy and do work. Hoses, Fittings, and Hose Assemblies all contribute to this by transmitting fluids at high pressures. Fluids under pressure can be dangerous and potentially lethal and, therefore, extreme caution must be exercised when working with fluids under pressure and handling the Hoses transporting the fluids. From time to time, Hose Assemblies will fail if they are not replaced at proper time intervals. Usually these failures are the result of some form of misapplication, abuse, wear, or failure to perform proper maintenance. When Hoses fail, generally the high-pressure fluids inside escape in a stream which may or may not be visible to the user. Under no circumstances should the user attempt to locate the leak by “feeling” with their hands or any other part of their body. High-pressure fluids can and will penetrate the skin and cause severe tissue damage and possibly loss of limb. Even seemingly minor hydraulic fluid injection injuries must be treated immediately by a physician with knowledge of the tissue damaging properties of hydraulic fluid.

If a Hose failure occurs, immediately shut down the equipment and leave the area until pressure has been completely released from the Hose Assembly. Simply shutting down the hydraulic pump may or may not eliminate the pressure in the Hose Assembly. Many times check valves, etc., are employed in a system and can cause pressure to remain in a Hose Assembly even when pumps or equipment are not operating. Tiny holes in the Hose, commonly known as pinholes, can eject small, dangerously powerful but hard to see streams of hydraulic fluid. It may take several minutes or even hours for the pressure to be relieved so that the Hose Assembly may be examined safely.

Once the pressure has been reduced to zero, the Hose Assembly may be taken off the equipment and examined. It must always be replaced if a failure has occurred. Never attempt to patch or repair a Hose Assembly that has failed. Consult the nearest Parker distributor or the appropriate Parker division for Hose Assembly replacement information.

Never touch or examine a failed Hose Assembly unless it is obvious that the Hose no longer contains fluid under pressure. The high-pressure fluid is extremely dangerous and can cause serious and potentially fatal injury.

4.7 Elastomeric seals: Elastomeric seals will eventually age, harden, wear and deteriorate under thermal cycling and compression set. Elastomeric seals should be inspected and replaced.

4.8 Refrigerant gases: Special care should be taken when working with refrigeration systems. Sudden escape of refrigerant gases can cause blindness if the escaping gases contact the eye and can cause freezing or other severe injuries if it contacts any other portion of the body.

4.9 Compressed natural gas (CNG): Parker CNG Hose Assemblies should be tested after installation and before use, and at least on a monthly basis per AGA 1-93 Section 4.2 “Visual Inspection Hose/Fitting”. The recommended procedure is to pressurize the Hose and check for leaks and to visually inspect the Hose for damage.

Caution: Matches, candles, open flame or other sources of ignition shall not be used for Hose inspection. Leak check solutions should be rinsed off after use.

MSDS’S (Available upon request.)

Federal OSHA regulation 29 CFR 1910.1200 requires that we transmit to our customers Material Safety Data Sheets for all material covered under the law. If you are an employer in SIC 20-39 who has not yet received them, you are required to obtain them from us and provide the information to employees as directed in Secton (b) of the requlation. Please contact the Hose Products Division - Technical Services Department: (PH) 440- 943-5700 (FAX) 440- 943-3129.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Offer of Sale

The items described in this document and other documents or descriptions provided by Parker Hannifin Corporation, as subsidiaries and its authorized distributors are hereby offered for sale at prices to be established by Parker Hannifin Corporation, its subsidiaries and its authorized distributors. This offer and its acceptance by any customer ("Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any such item, when communicated to Parker Hannifin Corporation, its subsidiary or an authorized distributor ("Seller") verbally or in writing, shall constitute acceptance of this offer.

1. Terms and Conditions of Sale: All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein. Buyer's acceptance of any offer to sell is limited to these terms and conditions. Any terms or conditions in addition to, or inconsistent with those stated herein, proposed by Buyer in any acceptance of an offer by Seller, are hereby objected to. No such additional, different or inconsistent terms and conditions shall become part of the contract between Buyer and Seller unless expressly accepted in writing by Seller. Seller's acceptance of any offer to purchase by Buyer is expressly conditional upon Buyer's assent to all the terms and conditions stated herein, including any terms in addition to, or inconsistent with those contained in Buyer's offer. Acceptance of Seller's products shall in all events constitute such assent.

2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold thereunder shall be free from defects in material or workmanship for a period of 365 days from the date of shipment to Buyer, or 2,000 hours of use, whichever expires first. THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GAURANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTIBILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED. NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLELY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.

5. Limitation Of Remedy: SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS CONTRACT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ITEMS SOLD OR REFUND OF THE PURCHASE PRICE PAID BY BUYER, AT SELLER'S SOLE OPTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR ITEMS SOLD HEREUNDER, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY.

6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold herunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.

7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller of if Seller is liable for the collection of such tax, the amount thereof shall be in additon to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets (hereinafter "Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes in the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and options, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.
If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such item infriges any patent, trademark, copyright, trade dress, trade secret or any similiar right.

11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

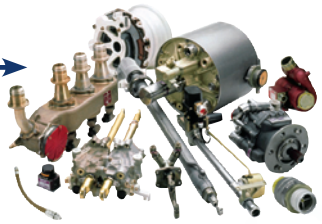
Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Hose Products Division
Parker Hannifin Corporation
Wickliffe, Ohio
www.parkerhose.com

Aerospace

Key Markets
- Commercial transports
- Military aircraft
- Regional transports
- Aircraft engines
- Business and general aviation

Key Products
- Flight control systems and components
- Hydraulic systems and components
- Fuel systems and components
- Pneumatic systems and components
- Inert oxygen generating systems
- Fluid metering, delivery and atomization devices
- Wheels and brakes
- Couplings, fittings, hoses and tubes



Automation

Key Markets
- Factory automation
- Transportation and automotive
- Life sciences and medical
- Machine tools
- Semiconductor and electronics

Key Products
- Pneumatic motion and control
- Air preparation
- Vacuum controls and sensors
- Electromechanical stepper and servo motors, drives, and controls
- Human machine interface
- Electric actuators, gantry robots, slides and linear motors
- Structural extrusion

Climate & Industrial Controls

Key Markets
- Refrigeration and air conditioning
- Transportation/mobile
- Process
- Industrial machinery
- Medical/life sciences
- Fuel cells
- Precision cooling

Key Products
- Pressure regulators
- Check, ball and service valves
- Value-added systems
- Thermostatic and expansion valves
- Electronic controllers
- Contaminant controls
- Heating/air conditioning hose
- Gerotors

Filtration

Key Markets
- Industrial machinery
- Process
- Mobile
- Marine
- Oil & gas
- Power generation and energy
- Transportation
- Food and beverage

Key Products
- Hydraulic, lubrication and coolant filters
- Process, chemical, water and microfiltration filters
- Compressed air and gas purification filters
- Condition monitoring
- Analytical gas generators
- Nitrogen, hydrogen and zero air generators
- Engine air, fuel, oil filtration and systems

Fluid Connectors

Key Markets
- Construction machinery
- Agriculture
- Transportation
- Mobile
- Industrial machinery
- Oil & gas

Key Products
- Rubber and thermoplastic hose
- Industrial hose
- Tube fittings and adaptors
- Tubing and plastic fittings
- Brass fittings and valves
- Hose couplings
- Quick disconnects

Hydraulics

Key Markets
- Construction machinery
- Agriculture
- Industrial machinery
- Oil & gas
- Truck hydraulics
- Power generation and energy

Key Products
- Hydraulic cylinders and accumulators
- Hydraulic valves and controls
- Hydraulic motors and pumps
- Power take-offs
- Hydraulic systems

Instrumentation

Key Markets
- Power generation
- Oil & gas
- Petrochemical
- Microelectronics
- Biopharmaceutical

Key Products
- Medium/high pressure fittings and valves
- Instrumentation fittings, valves, manifolds and regulators
- High purity fittings, valves and regulators
- Fluoropolymer fittings, valves, pumps and regulators
- Analytical systems

Seal

Key Markets
- Transportation
- Energy, oil & gas
- Semiconductor
- Aerospace
- Fluid power
- Life sciences
- Telecommunications

Key Products
- Elastomeric O-rings
- Homogeneous and inserted elastomeric shapes and diaphragms
- Metal and plastic retained composite seals
- Polymeric and plastic dynamic seals
- Rubber and plastic boots/bellows
- Extruded and precision-cut/fabricated elastomeric seals
- Thermoplastic engineered seals

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

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)

Central Region
Sales Office & Service Center
Hiawatha, IA
(319) 393-1221
(319) 393-1224 FAX

Cleveland Region
Sales Office
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
Sales Office
Trenton, NJ
(609) 586-5151
(609) 586-3149 FAX

Pacific Region
Sales Office & Service Center
Portland, OR
(503) 283-1020
(503) 283-2201 FAX
Service Center
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
Service Center
Conyers, GA
(770) 929-0330
(770) 929-0230 FAX

Southwest Region
Sales Office
Mansfield, TX
(817) 473-4431
(817) 453-8022 FAX

Canada
Sales Office & Service Center
Grimsby, ONT
(905) 945-2274
(905) 945-3946 FAX
(Contact Grimsby for other Service Center locations.)

Parker Hannifin Corporation
Hose Products Division
30240 Lakeland Blvd.
Wickliffe, Ohio 44092
Phone: (440) 943-5700
Fax: (440) 943-3129
www.parkerhose.com

Catalog 4400 US – Issued 09/07
Printed in U.S.A.
©2007 Parker Hannifin Corporation

Selecting the Right Hose	**2**
Hose Overview Chart	**6**
How to Select Hose and Fittings	**7**
Hose Specifics	**8**
Fittings Information	**12**
Parkrimp Crimpers	**14**
The Benefits of Parker Hose	**18**
The Parker Fluid Connectors Group	**20**