









### Parker Industrial Hose

Oil and Natural Gas Drilling, Transfer and Transportation Hose

Catalog 4865 • April 2016







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### WARNING - USER RESPONSIBILITY

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### Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings, Connectors, Conductors, Valves and Related Accessories

Parker Publication No. 4400-B.1

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies, valves, connectors, conductors 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.

- Tube or pipe burst.
- Weld joint fracture.
- 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 in this Industrial Hose Catalog 4865 and the complete Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings, Connectors, Conductors, Valves and Related Accessories, Parker Publication No. 4400-B.1 (refer to the Safety & Technical Information section of this catalog). No product from any division in Parker Fluid Connectors Group is approved for in-flight aerospace applications. For hoses and fittings used in in-flight aerospace applications, please contact Parker Aerospace Group.

#### Offer of Sale

Parker Hannifin Corporation, its subsidiaries or its authorized distributors hereby offer the items described in this document for sale. The provisions in the "Offer of Sale" stated on the inside back cover of this catalog govern this offer and its acceptance.

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### Parker Industrial Hose Products, Catalog 4865

Industrial hose is commonly used to transfer air, chemicals, particulates, petroleum, water and a wide variety of other materials to keep equipment and systems producing at maximum capacity.

This catalog offers popular hoses for standard applications for use in oil and natural gas drilling, transfer and transportation operations. For other applications and the full line of Parker industrial hose, refer to Catalog 4800.

To download PDFs or order printed copies of Parker Industrial Hose catalogs and other materials, including the full line Catalog 4800, please visit safehose.com and click "Literature."

Hose specification information is also available via the Hosefinder mobile app for iOS and Android devices. Visit hosefinder.com to learn more and download the app.

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### **Product Cross Reference**

The following tables identify products that have been added to or removed from this catalog since its last printing. For products that have been removed, please refer to the suggested replacement.

### **New Products**

Series No.	Product Type	Section in This Catalog
CC	Crimp Couplings	Couplings & Equipment
COS K-6	6" Crimper	Couplings & Equipment
COS K-10	10" Crimper	Couplings & Equipment
SW325B/SWC325B	Arctic Translite Hose	Petroleum
SWC693B	Wildcatter Hose	Chemical
7234 (3" ID)	Wildcatter Hose	Petroleum
7311N/7311NXT	Wildcatter Hose	Petroleum
7331	Wildcatter Hose	Petroleum
7374	Wildcatter Hose	Chemical

### Removed from this Catalog

		Section in This Catalog
COS K-1	Catalog 4800*	n/a
COS K-2	Catalog 4800*	n/a
SS110	Catalog 4800*	n/a
SS147	Catalog 4800*	n/a
SWC325	SW325B/SWC325B	Petroleum
SWC509	7213E	Water
SWC683/SWC683G	SWC693/SWC693B	Chemical
TKW160	Catalog 4800*	n/a
7114	Catalog 4800*	n/a
7274	SWC693/SWC693B	Chemical
7276	SWC693/SWC693B	Chemical
7307	7216 & SWC609	Petroleum
7309	7311N	Petroleum
7311/7311XT	7311N/7311NXT	Petroleum
7330	7331	Petroleum

<sup>\*</sup> See page 1 for how to download or order Catalog 4800.



### Industrial Hose for Oil and Gas Applications Parker Is Ready to Meet the Challenge



Mud Man. Roughneck. Roustabout. Wildcatter. These terms vividly capture the dangerous, dirty, risky and tough jobs associated with the oil and gas market. Parker respects the extreme challenges presented by oil and gas exploration, extraction, refining and transportation.

These difficult processes require tough industrial hoses dedicated to robust performance, ease of handling and maximum service life. Parker Wildcatter® hose provides the durability and versatility for reliable service in harsh environments, eliminating unexpected hose failures and costly downtime.

Parker Wildcatter products meet these demands by providing superior performance in transferring abrasives, chemicals, fuel, oil, slurries and water in multiple operations. The Wildcatter trade name indicates the product is designed and manufactured for premium service in oilfield applications, and many hoses are qualified with crimp couplings, providing industry leading safe, durable and reliable industrial hose assemblies.

### **Land-Based Operations**

Traditional Petroleum Extraction Traditional petroleum extraction techniques require special hoses. An oil rig uses high-pressure hose to convert rotary motion to vertical drilling power, boring to thousands of feet beneath the surface. This process employs a high pressure drilling fluid—"mud"—a slurry used as a buoyant, coolant, lubricant, pressure control and stabilizing agent. After use, the mud is recovered, filtered, remixed and recycled, and is stored in open-air "mud pits." Abrasion- and oil-resistant mud suction and discharge hoses are crucial to these mixing, transfer and recovery processes.

After the well casing is installed, a cement slurry is injected to seal the casing to provide support and protection from water penetration, to seal a well for future use or to seal portions of a non-productive well. Abrasion resistant hose is used to transfer dry cement for mixture with chemicals and water to create the cement slurry.

During the service life of the well, drilling companies make every effort to keep the wellbore clean and uncontaminated to increase the efficiency and maximize the output of the well. Hot oil and steam hoses are used in this cleansing/ lubrication/salvage process.

At the end of the service life of the well, hydrocarbons, sediments and water are vacuumed from mud pits and retaining ponds to be disposed of or recycled. Flexible abrasion- and oil-resistant suction/vacuum hoses are used for evacuation service.









Hydraulic Fracturing (Fracking) Natural Gas Extraction

Enormous quantities of oil and natural gas may be trapped in underground rock/shale formations (called "shale plays"), requiring a different extraction process. At a prescribed depth, the wellbore is routed horizontally through the shale. When a section of the horizontal run is completed, controlled charges are detonated throughout the length of the perforated casing. Fracking fluid—a blend of chemicals, special sand and water—is injected through the pipe at high pressure and into the shale that was cracked/ fractured by the explosions. The fluid expands the cracks, allowing the natural gas to be harvested back through the casing.



Wildcatter High Pressure Multipurpose Blender and Chemical hoses

Large bore tank hose is used to transfer fracking chemicals between tanks and blenders, while high-pressure, abrasion-resistant blender hose is specified to transfer the chemical/sand solution at high pressure from the blenders to the wellhead.

### **Subsea Operations**

Subsea drilling is significantly more challenging than most land-based drilling. The basic extraction process is the same, but is conducted from a floating platform with thousands of feet of water between the drilling rig and the ocean floor—and the oil.

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In addition to many of the same hoses used for land-based drilling and fracking operations, specially designed large bore hose is required to transfer crude oil from the well to oil tankers and for unloading tankers at the dock for delivery to refineries. Oil platforms are frequently located far from land and work crews are stationed on-site, so the facility must be self-sufficient. For example, items such as food and beverage hose and tubing are needed to transfer potable water. For quick access to the platform, many visitors travel via helicopter, requiring aircraft fueling hose to service the choppers for the return trip.

Continued on next page







### **Support Products**

Many other types of industrial hoses are used at drill sites: air compressor hose for clean up or air tools; chemical and petroleum hose for operational processes, or for transport to/from the job site; material handling hose to transfer abrasive mixing materials; and water hose for clean up, jetting, suction/discharge and wash down. Parker has a wide variety of hoses for each of these complementary applications.

Consistent and reliable supplies of oil and natural gas are essential to economic stability and economic growth. Parker industrial hose is a crucial component in the exploration, extraction, refinement, transportation and delivery of these vital resources.

The Wildcatter trade name indicates the product is designed and manufactured for premium service in oilfield applications. However, Wildcatter products also may be used in other industries, markets and applications where the product meets the required performance criteria.



### **Hose Selection**

This catalog provides guidance for selecting the proper hose for the applications listed herein. It contains many cautions, descriptions, directions and warnings for the safe and proper use of Parker industrial hose. All aspects of hose selection criteria should be clearly understood before recommending, suggesting, specifying or using any hoses.

MARNING! Failure to follow recommended application information and recommended procedures for selection, installation, care, maintenance and storage of hose, couplings or hose assemblies may result in failure of the product to perform properly and may result in damage to property, serious bodily injury or death. Make sure that hose selected for any application is appropriate and suitable for that service. Application information is given with each hose listed in this Parker catalog. Refer to the Safety and Technical Data section of this catalog for information regarding safety, care, maintenance and storage. Contact Parker or your local Parker distributor for assistance.

### Hose Selection Procedure

- A. If you know the Parker series number, find the page number in the "Index by Series" on page 2.
- B. If you don't know the Parker series number, see the "Index by Application" on page 2, which is divided into various application categories.
- C. If you don't know the Parker series number or name:
  - Use the "STAMPED" guide to assist in determining the correct hose, coupling, and attachment method when selecting a hose.
    - SIZE: Hose inside diameter, outside diameter and overall length
    - **TEMPERATURE:** Maximum temperature of the material being conveyed and of the application environment
    - APPLICATION: External conditions/environment such as abrasion, bend radius, climate/ temperature, crushing, flexing, kinking and exposure to chemicals, oil, ozone and ultraviolet light
    - MEDIA: Type and concentration of material being conveyed and compatibility with the hose
    - PRESSURE: Maximum system pressure, including pressure spikes
    - **ENDS:** Style, type, attachment method, pressure rating and material compatibility of end couplings and connections
    - **DELIVERY:** Testing, packaging and delivery requirements
    - **Other considerations:** Abrasion, color, conductivity/nonconductivity, suction/vacuum; industry or regulatory specifications or standards
- D. If you can't determine the appropriate or suitable hose or have special requirements, call Parker Customer Service at 866-810-HOSE (4673) or 800-242-HOSE (4673).

The hose listings in this catalog provide detailed information to help select the correct hose for most applications. Also refer to the Safety and Technical section of this catalog for general product information. The hose listings include recommended coupling styles. Refer to the Couplings and Equipment section of Catalog 4800 for specific product information.

⚠ WARNING! Many product pages contain comparisons to competitor products. These are provided as a tool to identify parts similar in form, fit, or function and are not intended as direct cross-references or direct interchanges to Parker products. The user must take care to compare any variances in materials and constructions between manufacturers, and to ensure the selected hose does not constitute a safety risk or change in required performance. For a more complete guide, refer to www.safehose.com.





#### Other cover colors available:

7031 (Green)
7057 (Blue)
7096 (Yellow)

# **GST® II General Service Hose**

Series 7092 (Red) and Series 7093 (Black)

GST® II hose is a versatile general purpose hose designed to handle air, mild chemicals and water. The hose construction incorporates a tube that is compatible with light oil mists found in air tool lubricating systems, and the multiple plies of textile reinforcement provide flexibility. The cover is resistant to abrasion, heat and ozone, and is available in multiple standard colors for color-coded identification.

**NOTE:** Do not with use with oil or refined fuel.

Tube: Black EPDM; ARPM Class C oil resistance

**Reinforcement:** Multiple textile plies

Cover: Red or black EPDM; smooth finish
Temp. Range: -40°F to +212°F (-40°C to +100°C)

Brand Method: White ink

Brand Example: PARKER (SERIES) GST® II (ID) XXX PSI MAX WP

MADE IN USA (DATE CODE)

Design Factor: 4:

**Industry Standards:** ARPM Class C oil resistant tube

**Applications:** • Air (including oil mist), mild chemicals, water

Agriculture, construction, general industrial

Vacuum: Not recommended

Compare to: Boston Bosflex A/W; Gates Adapta Flex; Thermoid

Valuflex GS; ContiTech Horizon General Purpose

Packaging: Reels; cartons

⚠ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.

### Series 7092 (Red) and Series 7093 (Black)

	For	currently	qualifie	d crimp sp	oecificat	•	Specific oupling de	cations esignation,	refer to (	CrimpSou	urce® at w	ww.safeh	ose.com.	

Part Number 7092 or 7093	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	7092 Stock Status	7093 Stock Status
-19200	3/16	4.8	2	0.437	11.1	0.07	0.03	2.0	50.8	200	13.8	800	N	Υ
-19300	3/16	4.8	2	0.437	11.1	0.07	0.03	2.0	50.8	300	20.7	800	N	N
-25200	1/4	6.4	2	0.500	12.7	0.09	0.04	2.5	63.5	200	13.8	800	Υ	Υ
-2520050	1/4	6.4	2	0.500	12.7	0.09	0.04	2.5	63.5	200	13.8	50	Υ	N
-25250	1/4	6.4	2	0.508	12.9	0.10	0.05	3.0	76.2	250	17.2	800	N	N

(Continued on the following page)



### Series 7092 and Series 7093 GST® II General Service Air & Water Hose (Continued)

### Series 7092 (Red) and Series 7093 (Black) (Continued)

Part Number 7092 or 7093	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	7092 Stock Status	7093 Stock Status
-25300	1/4	6.4	2	0.550	14.0	0.12	0.05	3.3	83.8	300	20.7	800	Υ	Υ
-2530050	1/4	6.4	2	0.550	14.0	0.12	0.05	3.3	83.8	300	20.7	50	Υ	N
-31200	5/16	7.9	2	0.594	15.1	0.12	0.05	3.3	83.8	200	13.8	750	Υ	Υ
-31300	5/16	7.9	2	0.625	15.9	0.14	0.06	3.5	88.9	300	20.7	750	Υ	Υ
-3130050	5/16	7.9	2	0.625	15.9	0.14	0.06	3.5	88.9	300	20.7	50	N	N
-38200	3/8	9.5	2	0.656	16.7	0.14	0.06	3.5	88.9	200	13.8	700	Υ	Υ
-3820050	3/8	9.5	2	0.656	16.7	0.14	0.06	3.5	88.9	200	13.8	50	Υ	N
-38250	3/8	9.5	2	0.656	16.7	0.14	0.06	4.0	101.6	250	17.2	700	N	N
-38300	3/8	9.5	2	0.688	17.5	0.16	0.07	4.0	101.6	300	20.7	700	Υ	Υ
-3830050	3/8	9.5	2	0.688	17.5	0.16	0.07	4.0	101.6	300	20.7	50	Υ	N
-50200	1/2	12.7	2	0.813	20.7	0.20	0.09	4.5	114.3	200	13.8	550	Υ	Υ
-5020050	1/2	12.7	2	0.813	20.7	0.21	0.10	4.5	114.3	200	13.8	50	Υ	N
-50250	1/2	12.7	2	0.844	21.4	0.22	0.10	4.5	114.3	250	17.2	550	Υ	Υ
-50254	1/2	12.7	4	0.860	21.8	0.23	0.10	5.0	127.0	250	17.2	500	N	N
-50304	1/2	12.7	4	0.875	22.2	0.24	0.11	5.0	127.0	300	20.7	500	Υ	Υ
-5030450	1/2	12.7	4	0.875	22.2	0.24	0.11	5.0	127.0	300	20.7	50	Υ	N
-63200	5/8	15.9	2	0.969	24.6	0.24	0.11	5.5	139.7	200	13.8	450	Υ	Υ
-6320050	5/8	15.9	2	0.969	24.6	0.24	0.11	5.5	139.7	200	13.8	50	Υ	Υ
-63254	5/8	15.9	4	1.030	26.2	0.32	0.15	6.0	152.4	250	17.2	450	N	N
-63304	5/8	15.9	4	1.062	27.0	0.35	0.16	5.5	139.7	300	20.7	450	Υ	Υ
-75200	3/4	19.1	2	1.109	28.2	0.32	0.15	6.0	152.4	200	13.8	400	Υ	Υ
-7520050	3/4	19.1	2	1.109	28.2	0.32	0.15	6.0	152.4	200	13.8	50	Υ	Υ
-75254	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	250	17.2	400	N	N
-7525450	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	250	17.2	50	N	N
-75304	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	300	20.7	400	Υ	Υ
-7530450	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	300	20.7	50	Υ	N
-100200	1	25.4	2	1.406	35.7	0.47	0.21	7.0	177.8	200	13.8	300	Y	Y
-10020050	1	25.4	2	1.406	35.7	0.47	0.21	7.0	177.8	200	13.8	50	Y	Y
-100254	1	25.4	4	1.408	35.8	0.47	0.21	8.0	203.2	250	17.2	300	N	N
-100304	1	25.4	4	1.438	36.5	0.51	0.23	8.0	203.2	300	20.7	300	Y	Y
-10030450	1	25.4	4	1.438	36.5	0.53	0.24	8.0	203.2	300	20.7	50	Y	N
-125204	1-1/4	31.8	4	1.781	45.2	0.77	0.35	9.0	228.6	200	13.8	250	Y	Y
-150204	1-1/2	38.1	4	2.031	51.6	0.84	0.38	10.0	254.0	200	13.8	200	Y	Y
-15020450	1-1/2	38.1	4	2.031	51.6	0.84	0.38	10.0	254.0	200	13.8	50	Y	N
-150204100	1-1/2	38.1	4	2.031	51.6	0.84	0.38	10.0	254.0	200	13.8	100	Y	N
-200154	2	50.8	4	2.550	64.8	1.13	0.51	14.0	355.6	200	13.8	250	Υ	Y

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





# MPT® II Multipurpose Oil Resistant Hose Nonconductive

Series 7094 (Red) and Series 7095 (Black)

Series 7094/7095 is a versatile, nonconductive multipurpose hose designed to handle air, mild chemicals, oil and water. The hose construction is electrically nonconductive with a minimum resistance of one megohm per inch at 1000 volts DC. The multiple plies of textile reinforcement provide flexibility and the cover is resistant to oil and weathering.

**NOTES:** • Do not use in hot, dry air applications or with refined fuel.

- The user must determine if the hose is suitable for applications subject to electrical hazard. Contact Parker for additional information.
- The hose does not incorporate a helical wire or a static wire; transfer of refined fuel may create an accumulation and catastrophic discharge of static electrical buildup.
- The hose is not intended or recommended for dispensing highly volatile fuel such as gasoline. Consequently, do not use the hose for fuel dispensing or transfer service requiring API, NFPA, UL, ULC or any other agency approval or listing.
- The hose is not intended for diesel fuel or gasoline engine applications; a more durable, heavier-duty hose is required due to abrasion, high temperature and application-related concerns.

Series 7094/7095 is suitable for the transfer of petroleum-based oil and diesel fuel when used within the other hose performance criteria shown in this catalog.

Tube: Black nitrile; ARPM Class A oil resistance

**Reinforcement:** Multiple textile plies

Cover: Red or black chloroprene, smooth finish
Temp. Range: -20°F to +212°F (-29°C to +100°C)

**Brand Method:** White ink

Brand Example: PARKER SERIES (7094) (7095) MPT® II (ID) XXX PSI MAX

WP MADE IN USA ELECTRICALLY NONCONDUCTIVE

(DATE CODE)

**Design Factor:** 4:1

**Industry Standards:** ARPM Class A oil resistant tube; electrically

nonconductive with a minimum resistance of one

megohm per inch at 1000 volts DC

**Applications:** • Air, mild chemicals, oil, water

· Cooling lines for electric furnaces and pot lines;

lubrication systems

• Agriculture, construction, foundries, general industrial

Vacuum: Not recommended

**Compare to:** Boston Shock Safe; Gates PremoFlex/19B;

ContiTech Ortac/Wingfoot

Packaging: Reels, cartons

(Continued on the following page)



### Series 7094 (Red) and Series 7095 (Black) MPT® II Multipurpose Oil Resistant Hose – Nonconductive (Continued)

### Series 7094 (Red) and Series 7095 (Black)

For	currently	, qualifica	l crimp c	pocificatio			ecifica		rofor to C	rimpSou	roo® at wa	ww cafob	oco com	
1 01	Currenting	y quaiiiiec	i chilip s	pecification		unig coup	Jiing desig	griation,	ielei to O	IIIIpou	ice at wi	ww.saieii	036.00111.	
Part Number 7094 or 7095	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	7094 Stock Status	7095 Stock Status
-25200	1/4	6.4	2	0.500	12.7	0.10	0.05	2.0	50.8	200	13.8	800	Υ	Υ
-25300	1/4	6.4	2	0.550	14.0	0.12	0.05	2.5	63.5	300	20.7	800	Υ	Υ
-31300	5/16	7.9	2	0.594	15.1	0.13	0.06	3.3	83.8	300	20.7	750	Υ	Υ
-38200	3/8	9.5	2	0.656	16.7	0.15	0.07	3.8	96.5	200	13.8	700	Υ	Υ
-38300	3/8	9.5	2	0.688	17.5	0.17	0.08	3.8	96.5	300	20.7	650	Υ	Υ
-3830050	3/8	9.5	2	0.688	17.5	0.17	0.08	3.8	96.5	300	20.7	50	Υ	N
-50200	1/2	12.7	2	0.813	20.7	0.21	0.10	5.0	127.0	200	13.8	550	Υ	Υ
-50250	1/2	12.7	2	0.844	21.4	0.22	0.10	5.0	127.0	250	17.2	550	Υ	N
-50304	1/2	12.7	4	0.875	22.2	0.26	0.12	5.0	127.0	300	20.7	500	Υ	Υ
-63304	5/8	15.9	4	1.062	27.0	0.38	0.17	6.1	154.9	300	20.7	450	Υ	Υ

0.15

0.15

0.18

0.18

0.22

0.24

0.37

0.41

7.5

7.5

6.0

6.0

10.0

8.0

9.0

10.0

190.5

190.5

152.4

152.4

254.0

203.2

228.6

254.0

200

200

300

300

200

300

200

200

13.8

13.8

20.7

20.7

13.8

20.7

13.8

13.8

400

50

400

50

300

300

250

200

Υ

Υ

Υ

Υ

Υ

Υ

Υ

Υ

Ν

Υ

Ν

Υ

Υ

Ν

Ν



-75200

-75304

-7520050

-7530450

-100200

-100304

-125204

-150204

3/4

3/4

3/4

3/4

1

1

1-1/4

1-1/2

19.1

19.1

19.1

19.1

25.4

25.4

31.8

38.1

4

4

2

4

4

4

1.109

1.109

1.156

1.156

1.406

1.438

1.781

2.031

28.2

28.2

29.4

29.4

35.7

36.5

45.2

51.6

0.34

0.34

0.40

0.40

0.49

0.54

0.82

0.90

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



### Other cover colors available:

7212-BL 7212-GN 7212-GY 7212-RD

# JIFFY<sup>™</sup> Push-On Multipurpose Oil Resistant Hose MSHA

Series 7212

Series 7212 is a versatile multipurpose push-on hose designed to handle air, mild chemicals, water, oil, and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a silicone-free tube that does not contaminate air powered paint spray systems. The braided textile reinforcement is applied at a precise angle to provide kink resistance and superior coupling retention—push-on couplings do not require bands, clamps or special tools for installation. The flame resistant cover meets MSHA requirements, is resistant to oil and weathering, and is available in multiple standard colors for color-coded identification.

**NOTES:** • Do not use for fuel dispensing or service applications requiring API, NFPA, UL, ULC or any other agency approval or listing.

- Refer to Catalog 4800 for fuel compatibility and service conditions.
- Do not use in hot, dry air applications, impulsing applications, or vehicle fuel systems.
- Do not use bands or clamps to attach push-on couplings.

Tube: Black nitrile; ARPM Class A oil resistance

**Reinforcement:** One textile braid

Cover: Black, blue, gray, green, red or yellow chloroprene; smooth finish

**Temp. Range:**  $-40^{\circ}\text{F to } +212^{\circ}\text{F } (-40^{\circ}\text{C to } +100^{\circ}\text{C})$ 

Brand Method: White ink on black, blue and red hose; black ink on green,

gray and yellow hose

Brand Example: PARKER 7212 JIFFY™ HOSE PUSH-ON (ID) 300 PSI MAX WP MSHA #

MADE IN USA B2 (DATE CODE)

Design Factor: 4:1
Industry Standards: MSHA

Applications: MSHA

Air, mild chemicals, oil, water; biodiesel (to B20 in dedicated service),

diesel, ethanol, gasoline

Air operated paint systems, air tools, transfer lines, vacuum lines

• Agriculture, construction, general industrial; automotive/factory

color-coded assembly equipment

Compare to: Gates Python Plus; Thermoid Flex Loc 300; ContiTech Autogrip

**Vacuum:** 1/4" to 1/2" @ 28" Hg; 5/8" to 3/4" @ 15" Hg

Packaging: Reels

(Continued on the following page)



## Series 7212 – JIFFY™ Push-On Multipurpose Oil Resistant Hose, MSHA (Continued)

	Stock status  Y Y Y Y Y Y Y Y Y
7212-251BL       1/4       6.4       1       0.494       12.5       0.09       0.04       3.0       76.2       300       20.7       700         7212-251GN       1/4       6.4       1       0.494       12.5       0.09       0.04       3.0       76.2       300       20.7       700         7212-251GY       1/4       6.4       1       0.494       12.5       0.09       0.04       3.0       76.2       300       20.7       700         7212-251RD       1/4       6.4       1       0.494       12.5       0.09       0.04       3.0       76.2       300       20.7       700	Y Y Y Y
7212-251GN         1/4         6.4         1         0.494         12.5         0.09         0.04         3.0         76.2         300         20.7         700           7212-251GY         1/4         6.4         1         0.494         12.5         0.09         0.04         3.0         76.2         300         20.7         700           7212-251RD         1/4         6.4         1         0.494         12.5         0.09         0.04         3.0         76.2         300         20.7         700	Y Y Y Y
7212-251GY       1/4       6.4       1       0.494       12.5       0.09       0.04       3.0       76.2       300       20.7       700         7212-251RD       1/4       6.4       1       0.494       12.5       0.09       0.04       3.0       76.2       300       20.7       700	Y Y Y
<b>7212-251RD</b> 1/4 6.4 1 0.494 12.5 0.09 0.04 3.0 76.2 300 20.7 700	Y Y
	Υ
<b>7212-381BK</b> 3/8 9.5 1 0.617 15.7 0.12 0.05 3.0 76.2 3.00 20.7 7.00	
7-12-00121C	
<b>7212-381BL</b> 3/8 9.5 1 0.617 15.7 0.12 0.05 3.0 76.2 300 20.7 700	Υ
<b>7212-381GN</b> 3/8 9.5 1 0.617 15.7 0.12 0.05 3.0 76.2 300 20.7 700	Υ
<b>7212-381GY</b> 3/8 9.5 1 0.617 15.7 0.12 0.05 3.0 76.2 300 20.7 700	Υ
<b>7212-381RD</b> 3/8 9.5 1 0.617 15.7 0.12 0.05 3.0 76.2 300 20.7 700	Υ
<b>7212-381YL</b> 3/8 9.5 1 0.617 15.7 0.12 0.05 3.0 76.2 300 20.7 700	Υ
<b>7212-501BK</b> 1/2 12.7 1 0.750 19.1 0.15 0.07 5.0 127.0 300 20.7 600	Υ
<b>7212-501BL</b> 1/2 12.7 1 0.750 19.1 0.15 0.07 5.0 127.0 300 20.7 600	Υ
<b>7212-501GN</b> 1/2 12.7 1 0.750 19.1 0.15 0.07 5.0 127.0 300 20.7 600	Υ
<b>7212-501GY</b> 1/2 12.7 1 0.750 19.1 0.15 0.07 5.0 127.0 300 20.7 600	Υ
<b>7212-501RD</b> 1/2 12.7 1 0.750 19.1 0.15 0.07 5.0 127.0 300 20.7 600	Υ
<b>7212-631BK</b> 5/8 15.9 1 0.906 23.0 0.21 0.10 6.0 152.4 300 20.7 500	Υ
<b>7212-631BL</b> 5/8 15.9 1 0.906 23.0 0.21 0.10 6.0 152.4 300 20.7 500	Υ
<b>7212-631GN</b> 5/8 15.9 1 0.906 23.0 0.21 0.10 6.0 152.4 300 20.7 500	N
<b>7212-631GY</b> 5/8 15.9 1 0.906 23.0 0.21 0.10 6.0 152.4 300 20.7 500	N
<b>7212-631RD</b> 5/8 15.9 1 0.906 23.0 0.21 0.10 6.0 152.4 300 20.7 500	Υ
<b>7212-750BK</b> 3/4 19.1 1 1.091 27.7 0.30 0.14 7.0 177.8 300 20.7 400	Υ
<b>7212-750BL</b> 3/4 19.1 1 1.091 27.7 0.30 0.14 7.0 177.8 300 20.7 400	Υ
<b>7212-750GN</b> 3/4 19.1 1 1.091 27.7 0.30 0.14 7.0 177.8 300 20.7 400	Υ
<b>7212-750GY</b> 3/4 19.1 1 1.091 27.7 0.30 0.14 7.0 177.8 300 20.7 400	Υ
<b>7212-750RD</b> 3/4 19.1 1 1.091 27.7 0.30 0.14 7.0 177.8 300 20.7 400	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Reattachable Couplings: Parker Series 82 Push-Lok® couplings.





# THORO-BRAID® Medium Pressure Wire Braid Multipurpose Hose MSHA

Series 7251

Series 7251 is a large diameter, versatile, medium pressure hose designed to handle air, mild chemicals, oil and water. The hose construction incorporates high tensile wire braid reinforcement that provides durability, kink resistance, medium pressure capability, and superior coupling retention. The flame resistant yellow cover meets MSHA requirements and is resistant to abrasion and oil. Series 7251 provides service for high pressure air, dust suppression and water applications in construction, general industrial, mines and quarries.

**Tube:** Black chloroprene

**Reinforcement:** One or multiple wire braids

**Cover:** Yellow nitrile/PVC; perforated wrapped finish

**Temp. Range:** -20°F to +212°F (-29°C to +100°C)

Brand Method: Embossed

Brand Example: PARKER SERIES 7251 THORO-BRAID® AIR HOSE - WIRE BRAID XXX PSI

MAX WP-DE4 FIRE RESISTANT-MSHA # - (DATE CODE) USA

**Design Factor:** 4:1 **Industry Standards:** MSHA

**Applications:** • Air, mild chemicals, oil, water

Heavy duty air tools, compressors; bull hose, drill hose
Construction, general industrial, mines and quarries

Vacuum: Not recommended

Compare to: Gates 500 MP/Air Drill; Kuriyama T130AK; ContiTech Ultrabraid Steel Air

Packaging: Cartons

### Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7251-1501K	1-1/2	38.1	1	2.062	52.4	1.22	0.55	20.0	508.0	600	41.4	150	Υ
7251-2002K	2	50.8	2	2.656	67.5	1.89	0.86	25.0	635.0	600	41.4	150	Υ
7251-2502K	2-1/2	63.5	2	3.156	80.2	2.30	1.04	32.0	812.8	500	34.5	150	Υ
7251-3002K	3	76.2	2	3.656	92.9	2.73	1.24	36.5	927.1	500	34.5	150	Υ
7251-4002K	4	101.6	2	4.656	118.3	3.63	1.65	48.0	1219.2	400	27.6	150	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





## WILDCATTER® Hot Air Blower Hose

Series SW360

Series SW360 is a heavy duty, high pressure hot air blower hose designed for bulk loading/unloading of dry materials in plants or transport vehicles. The hose transfers hot air from a compressor to the storage bin/cargo bay to propel bulk product. The hose construction incorporates a tube that features a temperature rating to 350°F (177°C) and resists drying out. The dual wire helix provides full suction capability, kink resistance, flexibility for ease of handling and a path to conduct a static electrical charge to ground. The cover resists abrasion, heat and ozone.

**NOTE:** For larger diameter hose, refer to Series EW360 in Catalog 4800.

Tube: Black EPDM

**Reinforcement:** Multiple textile plies with dual wire helix

Cover: Black EPDM; wrapped finish -40°F to +350°F (-40°C to +177°C)

Brand Method: Black text on yellow stripe

Brand Example: PARKER WILDCATTER SW360 HOT AIR BLOWER HOSE XXX PSI WP

**Design Factor:** 4:1

**Applications:** • Hot air blower systems

• In-plant transfer; delivery, loading/unloading

• General industrial, transportation

Compare to: Eaton Boston Wildcat Hot Air; Gates Hot Air Blower; ContiTech Plicord

Torrid Air

**Vacuum:** 29 in Hg (737 mm Hg)

Packaging: Coils

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SW360-2000	2	50.8	2	2.500	63.5	1.08	0.49	6.0	152.4	200	13.8	100	Υ
SW360-3000	3	76.2	2	3.563	90.5	1.78	0.81	12.0	304.8	200	13.8	100	Υ
SW360-4000	4	101.6	2	4.563	115.9	2.46	1.12	16.0	406.4	125	8.6	100	Υ
SW360-6000	6	152.4	2	6.813	173.0	5.00	2.27	24.0	609.6	100	6.9	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

#### **△WARNINGS!**

- ▶ Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use with cam and groove couplings, which are designed for use with low pressure liquids.





# WILDCATTER® High Pressure Chemical Hose

Series 7374

Series 7374 is a high pressure, high temperature chemical suction and discharge hose designed for high pressure chemical blending functions on oilfield service equipment. The hose handles abrasive solutions and the vast majority of commonly used acids, chemicals and solvents to  $250^{\circ}$ F ( $121^{\circ}$ C).

The hose construction incorporates a dual wire helix that provides full suction capability, kink resistance, flexibility for ease of handling and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, mild chemicals and ozone. Series 7374 is available in optional 200-foot continuous lengths.

**NOTE:** Refer to the Safety and Technical section of this catalog for safety, handling and use information. Refer to the Chemical Guide section in Catalog 4800 to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

**Tube:** Translucent ultra high molecular weight polyethylene (UHMW)

**Reinforcement:** Multiple textile plies with dual wire helix

Cover: Black EPDM; wrapped finish
Temp. Range: -40°F to +250°F (-40°C to +121°C)

**Brand Method:** Yellow text on blue stripe

Brand Example: PARKER WILDCRITTER 7374 HP CHEMICAL HOSE UHMW TUBE

MAX WP XXX PSI MADE IN USA

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Abrasive solutions, acids, chemicals, solvents

OEM aftermarket/replacementOilfield blender service equipment

Vacuum: Full Packaging: Coils

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7374-1000	1	25.4	4	1.580	40.1	0.68	0.31	4.0	101.6	600	41.4	100	Υ
7374-1250	1-1/4	31.8	4	1.847	46.9	0.83	0.38	5.0	127.4	400	27.6	100	Υ
7374-1500	1-1/2	38.1	4	2.090	53.1	1.00	0.45	6.0	152.4	400	27.6	100	Υ
7374-2000	2	50.8	4	2.680	68.1	1.48	0.67	8.0	203.2	400	27.6	100	Y

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

#### $\Delta$ warnings!

- ▶ It is the responsibility of the user to determine if the hose is suitable for the application. Most chemical resistance guides are based on temperatures of 70°F (21°C). Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose compounds to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, users are required to perform compatibility testing at the desired temperature.
- ▶ At operating temperatures of 125°F and above, only permanently attached couplings should be installed. At any operating temperature, couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use with internally expanded couplings. Refer to chemical hoses that incorporate a MXLPE tube.





# **BLUE THUNDER®**UHMW Chemical Hose

Series 7373T

Series 7373T is a high pressure, high temperature suction and discharge hose designed to handle commonly used acids, chemicals and solvents. The corrugated hose construction incorporates a dual wire helix that provides full suction capability, kink resistance, flexibility for ease of handling, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, mild chemicals and ozone. Series 7373T is available in optional 200-foot continuous lengths.

**NOTE:** Refer to the Safety and Technical section of this catalog for safety, handling and use information. Refer to the Chemical Guide section in Catalog 4800 to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

**Tube:** Translucent ultra high molecular weight polyethylene (UHMW)

Reinforcement: Multiple textile plies with dual wire helix Cover: Blue EPDM; corrugated wrapped finish -40°F to +250°F (-40°C to +121°C)

**Brand Method:** Yellow text on blue stripe

**Brand Example:** PARKER SERIES 7373T BLUE THUNDER® UHMW TUBE MAX WP 200

PSI MADE IN USA (LOT#)

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Acid, chemicals, solvents

In-plant and storage tank transfer

Delivery, transport
 29 in Hg (737 mm Hg)

Compare to: Boston Chemcat; Gates Renegade; ContiTech Fabchem

Packaging: Coils

Vacuum:

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7373T-750	3/4	19.1	2	1.193	30.3	0.40	0.18	3.0	76.2	200	13.8	100	Y
7373T-1000	1	25.4	2	1.457	37.0	0.55	0.25	3.0	76.2	200	13.8	100	Υ
7373T-1250	1-1/4	31.8	2	1.700	43.2	0.64	0.29	4.0	101.6	200	13.8	100	Υ
7373T-1500	1-1/2	38.1	2	1.965	49.9	0.79	0.36	5.0	127.0	200	13.8	100	Υ
7373T-2000	2	50.8	2	2.560	65.0	1.27	0.58	6.0	152.4	200	13.8	100	Υ
7373T-2500	2-1/2	63.5	4	3.154	80.1	1.73	0.78	7.0	177.8	200	13.8	100	N
7373T-3000	3	76.2	4	3.645	92.6	2.12	0.96	7.0	177.8	200	13.8	100	Υ
7373T-4000	4	101.6	4	4.724	120.0	3.02	1.37	8.0	203.2	200	13.8	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

#### $\Delta$ warnings!

- ▶ It is the responsibility of the user to determine if the hose is suitable for the application. Most chemical resistance guides are based on temperatures of 70°F (21°C). Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose compounds to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, users are required to perform compatibility testing at the desired temperature.
- ▶ At operating temperatures of 125°F and above, only permanently attached couplings should be installed. At any operating temperature, couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.

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▶ Do not use with internally expanded couplings. Refer to chemical hoses that incorporate a MXLPE tube.





# WILDCATTER® Green or Blue Chemical Hose

### Series SWC693/SWC693B

Series SWC693/SWC693B is a high pressure, high temperature suction and discharge hose designed to transfer, transport and blend/mix commonly used acids, chemicals and solvents. The extremely flexible, lightweight and kink resistant corrugated design easily winds onto truck-mounted reels that service oilfield drilling sites. The hose construction incorporates a dual wire helix that provides full suction capability, superior kink resistance, minimal force-to-bend and a path to conduct a static electrical charge to ground. The distinctive green or blue cover is resistant to abrasion, mild chemicals and ozone.

**Tube:** Translucent ultra high molecular weight polyethylene

(UHMW)

**Reinforcement:** Multiple textile plies with dual wire helix

**Cover:** Green or Blue EPDM; corrugated wrapped finish

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

Brand Method: SWC693: Black text on yellow stripe

SWC693B: Yellow text on blue stripe

Brand Example: PARKER WILDCATTER (SWC693)(SWC693B) CHEMICAL

HOSE UHMW TUBE MAX WP XXX PSI MADE IN USA

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Acids; chemicals; DEF fill & suction/transfer; solvents

· In-plant and tank transfer delivery, transport

General industrial, oilfield

**Vacuum:** Full **Packaging:** Coils

(Continued on the following page)

#### $\Delta$ WARNINGS!

- ▶ It is the responsibility of the user to determine if the hose is suitable for the application. Most chemical resistance guides are based on temperatures of 70°F (21°C). Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose compounds to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, users are required to perform compatibility testing at the desired temperature.
- ▶ At operating temperatures of 125°F and above, only permanently attached couplings should be installed. At any operating temperature, couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use with internally expanded couplings. Refer to chemical hoses that incorporate a MXLPE tube.



## Series SWC693/SWC693B Hose Wildcatter® Green or Blue Chemical Hose (Continued)

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SWC693-1000	1	25.4	2	1.375	34.9	0.38	0.17	1.0	25.4	250	17.2	100	Υ
SWC693-1250	1-1/4	31.8	2	1.625	41.3	0.48	0.22	1.3	33.0	250	17.2	100	N
SWC693-1500	1-1/2	38.1	2	1.875	47.8	0.62	0.28	1.5	38.1	250	17.2	100	N
SWC693-2000	2	50.8	2	2.438	61.9	0.93	0.42	2.0	50.8	250	17.2	100	Υ
SWC693-3000	3	76.2	2	3.438	87.3	1.45	0.66	4.5	114.3	200	13.8	100	Υ
SWC693-4000	4	101.6	2	4.500	114.3	2.17	0.98	8.0	203.2	200	13.8	100	Υ
SWC693B-1000	1	25.4	2	1.48	37.6	0.49	0.22	2.2	55.9	250	17.2	100	Υ
SWC693B-1250	1-1/4	31.8	2	1.73	43.9	0.59	0.27	2.6	66.0	250	17.2	_	N
SWC693B-1500	1-1/2	38.1	2	1.98	50.3	0.75	0.34	3.0	76.2	250	17.2	100	Υ
SWC693B-2000	2	50.8	2	2.54	64.5	1.15	0.52	3.8	96.5	250	17.2	100	Υ
SWC693B-3000	3	76.2	2	3.54	89.9	1.74	0.79	5.3	134.6	200	13.8	100	Υ
SWC693B-4000	4	101.6	2	4.50	114.3	2.17	0.98	8.0	203.2	200	13.8	100	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





# WILDCATTER® Material Handling Hose 1/8" SBR Tube

Series SS135

Series SS135 is a lightweight, low pressure discharge hose for dry abrasive materials such as cement and powders. The static dissipating 1/8" SBR tube provides abrasion resistance and the SBR cover is resistant to abrasion, cuts, scuffs and weathering.

Tube: 1/8" Black SBR; static dissipating

**Reinforcement:** Multiple textile plies

Cover: Black SBR; wrapped finish

**Temp. Range:** -40°F to +180°F (-40°C to +83°C)

Brand Method: Black text on white stripe

Brand Example: PARKER WILDCATTER SS135 DRY CEMENT DISCHARGE

65 PSI WP MADE IN USA

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Abrasive materials, dry cement, lime, powders, silica

• Bulk transport trucks

Construction, general industrial

Vacuum: Not recommended

**Compare to:** Boston Lynx HD; Gates Dry Cement Delivery; Thermoid Transporter;

ContiTech Black Softwall

Packaging: Coils

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status
SS135-4000	4	101.6	2	4.500	114.3	1.49	0.68	65	4.5	100	Υ
SS135-4500	4-1/2	114.3	2	5.000	127.0	1.71	0.78	65	4.5	100	Υ
SS135-5000	5	127.0	2	5.500	139.7	1.90	0.86	65	4.5	100	N
SS135-6000	6	152.4	2	6.560	166.6	2.32	1.05	65	4.5	100	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





# WILDCATTER® Material Handling Hose 1/4" SBR Tube

Series SS247

Series SS247 is a flexible, heavy duty discharge hose for dry abrasive materials such as pebble lime and sand. The static dissipating 1/4" SBR tube provides abrasion resistance and the SBR cover is resistant to abrasion, cuts, scuffs and weathering.

**Tube:** 1/4" Black SBR; static dissipating

**Reinforcement:** Multiple textile plies

Cover: Black SBR; wrapped finish

Temp. Range: -40°F to +180°F (-40°C to +83°C)

Brand Method: Black text on blue stripe

Brand Example: PARKER WILDCATTER SS247 HEAVY DUTY DRY CEMENT

XXX PSI WP MADE IN USA

**Design Factor:** 3:1

Industry Standards: None applicable

**Applications:** • Dry abrasive materials, cement, pebble lime, powders, sand, silica

• In-plant transfer/loading, bulk transport trucks

· Construction, general industrial

Vacuum: Not recommended

**Compare to:** Boston Lynx HD; Gates Dry Cement Delivery; Thermoid Transporter;

ContiTech Black Softwall

Packaging: Coils

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SS247-4000	4	101.6	2	4.750	120.7	2.49	1.13	75	5.2	100	Υ
SS247-4500	4-1/2	114.3	2	5.250	133.4	2.79	1.27	75	5.2	100	N
SS247-5000	5	127.0	2	5.750	146.1	3.11	1.41	75	5.2	100	Υ
SS247-6000	6	152.4	2	6.750	171.5	3.69	1.67	70	4.8	100	N
SS247-8000	8	203.2	2	8.750	222.3	4.88	2.21	60	4.1	100	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





## Premium Concrete Placement Hose SBR Tube

Series SS123

Series SS123 is a premium grade, high quality concrete placement hose for wet abrasive materials. The thick SBR tube provides abrasion resistance and the thick wall incorporates multiple plies of reinforcement for kink resistance. The SBR cover is resistant to abrasion, cuts, gouges, scuffs and weathering.

Tube: Black SBR

Reinforcement: Multiple textile plies

Cover: Black SBR; wrapped finish
Temp. Range: -40°F to +180°F (-40°C to +82°C)

Brand Method: Black text on green stripe

Brand Example: PARKER SERIES SS123 PREMIUM CONCRETE PUMP HOSE XXX PSI

WP MADE IN USA

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Wet abrasive materials, concrete

· Construction, general industrial

Vacuum: Not recommended

Packaging: Coils

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SS123-1000	1	25.4	2	1.500	38.1	0.46	0.21	800	55.2	100	N
SS123-1250	1-1/4	31.8	2	1.750	44.5	0.57	0.26	800	55.2	100	Υ
SS123-1500	1-1/2	38.1	2	2.188	55.6	0.99	0.45	800	55.2	100	N
SS123-2000	2	50.8	4	2.813	71.4	1.40	0.64	800	55.2	100	Υ
SS123-2500	2-1/2	63.5	4	3.313	84.1	1.77	0.80	500	34.5	100	N
SS123-3000	3	76.2	6	4.063	103.2	2.80	1.27	500	34.5	100	Υ
SS123-4000	4	101.6	6	5.063	128.6	4.02	1.82	500	34.5	100	Υ
SS123-5000	5	127.0	6	6.250	158.8	4.93	2.24	500	34.5	100	Υ
SS123-6000	6	152.4	6	7.313	185.7	6.18	2.80	500	34.5	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### WILDCATTER® Hot Tar Hose

Series SW387

Series SW387 is a suction and discharge hose for high temperature materials such as hot asphalt, glue, oil, tar and wax to  $300^{\circ}F$  continuous/ $350^{\circ}F$  intermittent ( $149^{\circ}C/177^{\circ}C$ ). The hose construction incorporates a dual wire helix that provides full suction capability, kink resistance and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, heat, oil and weathering.

**NOTE:** For other hot tar and asphalt hoses, refer to Series 7204 and Series EW499 in Catalog 4800.

**Tube:** Black nitrile; ARPM Class A oil resistance **Reinforcement:** Multiple textile plies with dual wire helix

Cover: Black nitrile; ARPM Class A oil resistance; wrapped finish

**Temp. Range:** -40°F to +350°F (-40°C to +177°C)

Brand Method: Black text on red stripe

Brand Example: PARKER WILDCATTER SW387 HOT TAR HOSE 150 PSI

MAX WP MADE IN USA

Design Factor: 4:1

Industry Standards: None applicable

**Applications:** • Hot asphalt, glue, oil, tar

In-plant and storage tank transferDelivery, transport applicator trucks

**Vacuum:** 29 in Hg (737 mm Hg)

Compare to: Boston Black Cat; Thermoid Transporter; ContiTech Pyroflex

Packaging: Coils

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SW387-1500	1-1/2	38.1	2	2.125	54.0	0.98	0.44	6.0	152.4	150	10.3	100	Υ
SW387-2000	2	50.8	2	2.625	66.7	1.43	0.65	8.0	203.2	150	10.3	100	Υ
SW387-2500	2-1/2	63.5	2	3.375	85.7	1.84	0.83	10.0	254.0	150	10.3	100	N
SW387-3000	3	76.2	2	3.750	95.3	2.42	1.10	12.0	304.8	150	10.3	100	Υ
SW387-4000	4	101.6	2	4.813	122.2	3.60	1.63	18.0	457.2	150	10.3	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

**⚠WARNING!** Do not use for continuous service at 350°F. Do not use above 350°F for any service or any duration. Using above the recommended service duration or temperature may lead to premature hose failure and property damage, personal injury or death.





# **WILDCATTER®**Petroleum Transport Hose

### Series 7216F

Series 7216E is a lightweight suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a wire helix that provides full suction capability, kink resistance, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering.

**NOTE:** Refer to Catalog 4800 for fuel compatibility and service conditions.

**Tube:** Black nitrile

**Reinforcement:** Multiple textile plies with dual wire helix **Cover:** Black synthetic rubber; wrapped finish **Temp. Range:** -35°F to +180°F (-37°C to +82°C)

**Brand Method:** Black text on orange stripe

Brand Example: PARKER WILDCATTER 7216E TANK TRUCK HOSE 150 PSI MAX WP

Industry Standards: None applicable

Applications: 
• Biodiesel (to B20 in dedicated service), diesel, ethanol, gasoline, oil

· In-plant and storage tank transfer

• Delivery, transport

• General industrial, oilfield

**Vacuum:** 29 in Hg (737 mm Hg)

Compare to: Boston Puma; Gates Longhorn; Kuriyama T605AA; ContiTech Plicord

Flexwing Petroleum

Packaging: Coils

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7216E-1002	1	25.4	2	1.300	33.0	0.47	0.21	3.0	76.2	150	10.3	100	Υ
7216E-1252	1-1/4	38.1	2	1.690	42.4	0.65	0.29	4.0	102.0	150	10.3	100	Υ
7216E-1502	1-1/2	38.1	2	2.000	49.8	0.92	0.42	5.0	127.0	150	10.3	100	Υ
7216E-2002	2	50.8	2	2.500	63.8	1.10	0.50	6.0	152.4	150	10.3	100	Υ
7216E-2502	2-1/2	63.5	2	3.000	76.9	1.55	0.70	7.0	177.8	150	10.3	100	Υ
7216E-3002	3	76.2	2	3.660	93.0	2.08	0.94	8.0	203.2	150	10.3	100	Υ
7216E-4002	4	102.0	2	4.650	117.5	2.80	1.27	11.0	279.4	150	10.3	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

#### **∆WARNINGS!**

- ▶ Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use for oil or fuel transfer service in or on open water.





## TRANSLITE® Tank Truck Hose

Series 7216 (Black) and Series 7217 (Red)

Series 7216/7217 is a suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a wire helix that provides full suction capability, kink resistance, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering. Series 7216/7217 is available in 200-foot continuous lengths.

**NOTES:** Wildcatter branding on Series 7216 only, 6" & 8" sizes only. Refer to Catalog 4800 for fuel compatibility and service conditions.

Tube: Black nitrile

Reinforcement:
Cover:

Multiple textile plies with wire helix
7216: Black nitrile; wrapped finish
7217: Red chloroprene; wrapped finish

Temp. Range: -40°F to +200°F (-40°C to +93°C) **7216:** Black text on orange stripe

7217: Red text on white stripe

**Brand Example:** 7216: PARKER SERIES 7216/SW309 TRANSLITE® TANK TRUCK HOSE XXX PSI MAX WP MADE IN USA (LOT #) 7217: PARKER SERIES 7217 TRANSLITE® TANK TRUCK

HOSE 150 PSI MAX WP MADE IN USA (LOT #)

Design Factor: Industry Standards: Applications:

Packaging:

None applicable

• Biodiesel (to B20 in dedicated service), diesel, ethanol,

gasoline, oil

• In-plant and storage tank transfer

Delivery, transport

• General Industrial, oilfield Vacuum: 29 in Hg (737 mm Hg)

4:1

Compare to: 29 in Fig (737 mm Fig)

Boston Puma; Gates Longhorn; ContiTech Plicord Flexwing

Coils

### **<b>MWARNINGS!**

- Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ➤ Do not use for oil or fuel transfer service in or on open water.

### Series 7216 (Black) and Series 7217 (Red)

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number 7216 or 7217	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	7216 Stock Status	7217 Stock Status
-1002	1	25.4	2	1.364	34.6	0.42	0.19	2.0	50.8	150	10.3	100	Υ	Ν
-1252	1-1/4	31.8	2	1.670	42.4	0.59	0.27	3.0	76.2	150	10.3	100	Υ	N
-1502	1-1/2	38.1	2	1.968	50.0	0.83	0.38	4.0	101.6	150	10.3	100	Υ	N
-2002	2	50.8	2	2.520	64.0	1.14	0.52	6.0	152.4	150	10.3	100	Υ	N
-2502	2-1/2	63.5	2	3.028	76.9	1.43	0.65	9.0	228.6	150	10.3	100	Υ	N
-3002	3	76.2	2	3.543	90.0	1.83	0.83	12.0	304.8	150	10.3	100	Υ	N
-4002	4	101.6	2	4.656	118.3	2.97	1.35	16.0	406.4	150	10.3	100	Υ	N
-5004***	5	127.0	4	5.787	147.0	4.46	2.02	39.0	990.6	150	10.3	100	N	n/a
-6002***	6	152.4	2	6.170	170.4	4.77	2.16	38.0	812.8	150	10.3	100	Υ	n/a
-8002***	8	203.2	2	8.750	222.3	6.95	3.15	52.0	1219.2	150	10.3	100	Υ	n/a

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Parker Industrial Hose Customer Service866 810 HOSE (4673)800 242 HOSE (4673)Wickliffe, OHSouth Gate, CAEastern USAWestern USA

www.safehose.com e-mail: indhose@parker.com



<sup>\*\*\*</sup> Series 7216 only.



# WILDCATTER® Multipurpose Fracking Hose

Series 7331

Series 7331 is a high pressure oilfield stimulation/fracking suction & discharge hose designed to handle oil and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline, as well as brine, mild chemicals, fracking fluids, drilling mud, petroleum waste, slurries and water. The heavy duty multipurpose hose construction provides an extended service life in multiple applications, and incorporates a wire helix that provides full suction capability, kink resistance, flexibility for ease of handling and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering. Series 7331 is available in optional 200-foot continuous lengths through 4" ID.

Tube: Black nitrile; ARPM Class A oil resistance

**Reinforcement:** Multiple textile plies with one or multiple wire helixes

Cover: Black nitrile blend; wrapped finish Temp. Range: -40°F to +200°F (-40°C to +93°C)

Brand Method: Blue text on yellow stripe

Brand Example: PARKER WILDCATTER 7331 SUCTION HOSE 400 PSI

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Biodiesel (to B20 in dedicated service), diesel, ethanol, gasoline, oil

• Brine, mild chemicals, fracking fluids, drilling mud, petroleum waste,

slurries, water

· General industrial, oilfield

**Vacuum:** 29 in Hg (737 mm Hg)

Packaging: Coils

### Crimp Specifications For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7331-2000	2	50.8	2	2.550	64.8	1.16	0.53	8.0	203.2	400	27.6	100	Υ
7331-3000	3	76.2	2	3.610	91.7	1.98	0.90	15.0	381.0	400	27.6	100	Υ
7331-4000	4	101.6	4	4.890	124.2	3.90	1.77	20.0	508.0	400	27.6	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

### **∆WARNINGS!**

- ▶ Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use for oil or fuel transfer service in or on open water.





#### **∆WARNINGS!**

- Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ► Do not use for oil or fuel transfer service in or on open water.

# TITANFLEX® Corrugated Tank Truck Hose

Series SWC609 (Black) and Series SWC609R (Red)

Series SWC609/SWC609R is an extremely flexible, high pressure suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B100 in dedicated service), diesel, ethanol and gasoline. The corrugated hose construction incorporates a dual wire helix that provides full suction capability, superior kink resistance, minimal force-to bend and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering.

**NOTES:** Wildcatter branding on Series SWC609 only, 6" & 8" sizes only. Refer to Catalog 4800 for fuel compatibility and service conditions.

Tube: Black nitrile

**Reinforcement:** Multiple textile plies with dual wire helix

**Cover:** SWC609: Black nitrile; corrugated wrapped finish

SWC609R: Red nitrile; corrugated wrapped finish

Temp. Range: -40°F to +200°F (-40°C to +93°C)

SWC609: Red text on black stripe

SWC609R: White text on red stripe

Brand Example: PARKER SERIES SWC609(R) TITANFLEX® PETROLEUM SUCTION HOSE XXX PSI WP

Design Factor: 4:1

Industry Standards: None applicable

**Applications:** • Biodiesel (to B100 in dedicated service), diesel,

ethanol, gasoline, oil

• In-plant and storage tank transfer

· Delivery, transport

General industrial, oilfield

**Vacuum:** 29 in Hg (737 mm Hg)

Compare to: Boston Bobcat; Gates Longhorn; Thermoid

Transporter; ContiTech Flextra

Packaging: Coils

### Series SWC609 (Black) and Series SWC609R (Red)

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number SWC609 or SWC609R	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	SWC609 Stock Status	SWC609R Stock Status **
-1250***	1-1/4	31.8	2	1.690	42.9	0.63	0.29	1.3	33.0	250	17.2	100	N	n/a
-1500	1-1/2	38.1	2	1.950	49.5	0.78	0.36	1.5	38.1	250	17.2	100	Υ	N
-2000	2	50.8	2	2.450	62.2	1.00	0.45	2.0	50.8	250	17.2	100	Υ	Υ
-2500	2-1/2	63.5	2	3.000	76.2	1.44	0.65	2.5	63.5	200	13.8	100	Υ	N
-3000	3	76.2	2	3.580	90.9	1.70	0.77	3.0	76.2	200	13.8	100	Υ	Υ
-4000	4	101.6	2	4.625	117.5	2.41	1.09	4.0	101.6	150	10.3	100	Υ	Υ
-6002***	6	152.4	2	6.780	172.2	4.75	2.15	12.0	304.8	150	10.3	100	Υ	n/a
-8002***	8	203.2	2	8.790	223.3	6.95	3.15	16.0	406.4	150	10.3	100	Υ	n/a

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

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<sup>\*\*\*</sup> Series SWC609 only.



### **∆WARNINGS!**

- ► Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- Do not use for oil or fuel transfer service in or on open water.

### WILDCATTER® **Corrugated Petroleum Transport Hose**

Series SWC316 (Black) and Series SWC316R (Red)

Series SWC316/SWC316R is a flexible, lightweight suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B100 in dedicated service), diesel, ethanol and gasoline. The corrugated hose construction incorporates a dual wire helix that provides full suction capability, flexibility, kink resistance, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering.

**NOTE:** Refer to Catalog 4800 for fuel compatibility and service conditions.

Black nitrile

**Reinforcement:** Multiple textile plies with dual wire helix

Cover: SWC316: Black nitrile; corrugated wrapped finish SWC316R: Red nitrile; corrugated wrapped finish

-40°F to +200°F (-40°C to +93°C) Temp. Range: **Brand Method:** SWC316: Black text on red stripe **SWC316R:** Black text on white stripe

PARKER WILDCATTER SWC316 PETROLEUM SUCTION & **Brand Example:** 

DISCHARGE HOSE 150 MAX WP

4:1 **Design Factor:** 

**Industry Standards:** 

None applicable Applications:

• Biodiesel (to B100 in dedicated service), diesel,

ethanol, gasoline, oil

· In-plant and storage tank transfer

Delivery, transport

· General industrial, oilfield

Vacuum: 29 in Hg (737 mm Hg)

Boston Puma; Gates Longhorn; Kuriyama T605AA; Compare to:

ContiTech Plicord Flexwing Petroleum

Packaging:

### Series SWC316 (Black) and SWC316R (Red)

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com. Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number SWC316 or SWC316R	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	SWC316 Stock Status	SWC316R Stock Status
-1500	1-1/2	38.1	2	1.970	50.0	0.79	0.36	3.0	76.2	150	10.3	100	Υ	N
-2000	2	50.8	2	2.440	62.0	0.95	0.43	4.0	101.6	150	10.3	100	Υ	Υ
-3000	3	76.2	2	3.490	88.6	1.70	0.77	5.0	127.0	150	10.3	100	Υ	Υ
-4000	4	101.6	2	4.530	115.1	2.25	1.02	6.0	152.4	150	10.3	100	Υ	Υ
-6000	6	152.4	2	6.750	171.5	4.30	1.95	8.0	203.2	125	8.6	100	N	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### **∆WARNINGS!**

- Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use for oil or fuel transfer service in or on open water.

# **ARCTIC TRANSLITE®**Low Temperature Tank Truck Hose

Series SW325B/SWC325B

Series SW325B/SWC325B is a flexible, lightweight, low temperature suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B100 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a dual wire helix that provides full suction capability, flexibility and kink resistance—even in the harshest cold climate conditions to -67°F (-55°C)—and a path to conduct a static electrical charge to ground. The bright blue cover features a highly reflective silver stripe for superior visibility in long, dark northern winters; it is also resistant to abrasion, oil and weathering. Series SWC325B is corrugated for additional flexibility in larger, harder to handle sizes.

**NOTE:** Refer to Catalog 4800 for fuel compatibility and service conditions.

Tube: Black nitrile

Reinforcement: Multiple textile plies with dual wire helix
Cover: Series SW325B: Blue nitrile; wrapped finish

Series SWC325B: Blue nitrile; corrugated wrapped finish

Temp. Range: -67°F to +180°F (-55°C to +82°C)

Brand Method: Side one: Blue text on yellow stripe

Side two: Solid reflective silver stripe

Brand Example: PARKER (SW325B) (SWC325B) ARCTIC TRANSLITE®

-67°F LOW-TEMP TANK TRUCK HOSE 150 PSI WP

MADE IN USA

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Biodiesel (to B100 in dedicated service), diesel, ethanol,

gasoline, oil

• In-plant and storage tank transfer

• Delivery, transport

General industrial, oilfield

Vacuum: 29 in Hg (737 mm Hg)
Compare to: ContiTech LW Arctic Tank Truck

Packaging: Coils

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SW325B-1500	1-1/2	38.1	2	2.050	52.1	0.75	0.34	3.0	76.2	150	10.3	100	N
SW325B-2000	2	50.8	2	2.580	65.5	1.20	0.54	4.0	101.6	150	10.3	100	Υ
SW325B-3000	3	76.2	2	3.680	93.5	3.17	1.44	5.0	127.0	150	10.3	100	Υ
SWC325B-4000	4	101.6	2	4.680	118.9	2.64	1.20	4.0	101.6	150	10.3	100	Υ
SWC325B-6000	6	152.4	2	6.740	171.2	4.33	1.96	6.0	152.4	150	10.3	100	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

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# LIGHT-N-BRIGHT<sup>™</sup> Corrugated Tank Truck Hose External PVC Helix

Series SP353

Series SP353 is a flexible, lightweight drop hose designed to handle oil and refined fuels such as biodiesel (to B100 in dedicated service), diesel, ethanol and gasoline in gravity flow, higher pressure pump-off, or suction applications. The lightweight hose construction incorporates a static wire as a path to conduct an electrical charge to ground, and the cover features an external PVC helix for full suction capability, flexibility and superior abrasion, crush and kink resistance. Series SP100 banding coils are recommended for installation of couplings. Series XSP100 abrasion coils are available for maximum abrasion resistance along the entire length of the hose.

**NOTE:** Refer to Catalog 4800 for fuel compatibility and service conditions.

Tube: Black nitrile

Reinforcement: Multiple textile plies with static wire

Cover: Black nitrile with external red PVC helix

Temp. Range: -40°F to +150°F (-40°C to +65°C)

**Brand Method:** Solid gray stripe **Brand Example:** Not branded

**Design Factor:** 4:1

Industry Standards: None applicable

**Applications:** • Biodiesel (to B100 in dedicated service), diesel, ethanol, gasoline, oil

• In-plant and storage tank transfer; transport, delivery

Drop/gravity flow, pump-off service

General industrial, oilfield
 29 in Hg (737 mm Hg)

Packaging: Coils

Vacuum:

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SP353-2000	2	50.8	2	3.000	76.2	1.25	0.57	6.0	152.4	150	10.3	100	Υ
SP353-3000	3	76.2	2	4.000	101.6	1.78	0.81	8.0	203.2	150	10.3	100	Υ
SP353-4000	4	101.6	2	5.000	127.0	2.32	1.05	10.0	254.0	150	10.3	100	Υ
SP353-6000	6	152.4	2	7.000	177.8	3.49	1.58	24.0	609.6	150	10.3	100	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

#### $oldsymbol{\Lambda}$ Warnings!

- ▶ Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
- ▶ Do not use for oil or fuel transfer service in or on open water.





# Orange PVC Banding Coil PVC Abrasion Coil

Series SP100/XSP100

Series SP100 is a rugged PVC coil that threads onto a complementary hose end to create a uniform banding area for coupling attachment. The coil fills the gaps between the loops of the outer PVC helix, providing an area for securing the banding clamp or ferrule. Series XSP100 threads onto the entire length of a complementary hose to protect it from abrasion and scuffs, helping to extend hose life in highly abrasive areas. Series SP100 and XSP100 are applied to Parker PVC SP353 hose.

### SP100 (ea)

Part Number	Hose ID (in)	Hose ID (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Turns	Stock Status
SP100-2000	2	50.8	0.19	0.09	8	Υ
SP100-3000	3	76.2	0.33	0.15	10	Υ
SP100-4000	4	101.6	0.46	0.21	10	Υ
SP100-6000	6	152.4	1.02	0.46	16	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Optional Colors: Gray and Red. Specify color when ordering.

#### Other colors available:

Gray
Red

### XSP100 (ft)

Part Number	Hose ID (in)	Hose ID (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Ft	Stock Status **
XSP100-2000	2	50.8	0.19	0.09	100	N
XSP100-3000	3	76.2	0.33	0.15	100	N
XSP100-4000	4	101.6	0.46	0.21	100	N
XSP100-6000	6	152.4	1.02	0.46	100	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Optional Colors: Gray and Red. Specify color when ordering.





# WILDCATTER® Petroleum Discharge Hose

Series SS107 (Black) and Series SS107R (Red)

Series SS107/SS107R is a lightweight, high pressure discharge hose designed to handle oil and refined fuels such as biodiesel (to B100 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a static wire as a path to conduct an electrical charge to ground. The cover is resistant to abrasion, oil and weathering. Series SS107/SS107R is available in 200-foot continuous lengths.

**NOTE:** Refer to Catalog 4800 for fuel compatibility and service conditions.

Tube: Black nitrile

Reinforcement: Multiple textile plies with static wire Cover: SS107: Black nitrile, wrapped finish

SS107R: Red chloroprene, wrapped finish

**Temp. Range:** -40°F to +200°F (-40°C to +93°C)

**Brand Method:** Black text on red stripe

Brand Example: PARKER WILDCATTER SS107 FUEL DISCHARGE XXX PSI

WP MADE IN USA

Design Factor: 4:1

Industry Standards: None applicable

Applications: None applicable Applications:

 Biodiesel (to B100 in dedicated service), diesel, ethanol, gasoline, oil

In-plant and storage tank transfer/discharge

Delivery/transport dischargeGeneral industrial, oilfield

Vacuum: Not recommended

Compare to: Gates Steer; ContiTech Plicord Fuel Delivery

Packaging: Coils

### **∆WARNINGS!**

Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.

▶ Do not use for oil or fuel transfer service in or on open water.

### Series SS107 (Black) and Series SS107R (Red)

### Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number SS107 or SS107R	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	SS107 Stock Status	SS107R Stock Status
-1250	1-1/4	31.8	2	1.598	40.6	0.42	0.19	250	17.2	100	Υ	N
-1500	1-1/2	38.1	2	1.843	46.8	0.49	0.22	250	17.2	100	Υ	N
-2000	2	50.8	4	2.456	62.4	0.89	0.40	200	13.8	100	Υ	N
-3000	3	76.2	4	3.456	87.8	1.28	0.58	200	13.8	100	Υ	N
-4000	4	101.6	4	4.543	115.4	1.83	0.83	200	13.8	100	N	N
-6000	6	152.4	4	6.670	169.4	3.39	1.54	200	13.8	100	N	N

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





**⚠WARNING!** Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.

### WILDCATTER® **Multipurpose Fracking Hose**

Series 7311N / 7311NXT

Series 7311N/7311NXT is a high pressure oilfield stimulation/fracking discharge hose designed to handle oil and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline, as well as brine, mild chemicals, fracking fluids, drilling mud, petroleum waste, slurries and water. The heavy duty multipurpose hose construction helps to extend service life in multiple applications, and incorporates dual static wires that provide a path to conduct an electrical charge to ground. The cover is resistant to abrasion, oil and weathering.

Series 7311NXT features a layer of ultra high molecular weight polyethylene (UHMW) bonded to the cover for extreme abrasion resistance and service life. Series 7311N and 7311NXT are available in optional 200-foot continuous lengths through 4" ID.

Tube: Black nitrile; ARPM Class A oil resistance Reinforcement: Multiple textile plies with dual static wires Cover: 7311N: Black nitrile blend; wrapped finish

7311NXT: Black nitrile blend; sleek UHMW abrasion

resistant finish

-40°F to +200°F (-40°C to +93°C) Temp. Range: Black text on yellow stripe **Brand Method:** 

**Brand Example:** PARKER WILDCATTER (7311N) (7311NXT) DISCHARGE

HOSE 400 PSI WP MADE IN USA

**Design Factor:** 

**Industry Standards:** None applicable Applications: · Refined fuels, oil

• Brine, mild chemicals, fracking fluids, drilling mud,

petroleum waste, slurries, water · General industrial, oilfield

Not recommended

Vacuum:

Packaging: Coils

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7311N-3000	3	76.2	4	3.660	93.0	1.77	0.80	400	27.6	100	Υ
7311N-4000	4	101.6	4	4.770	121.2	2.61	1.18	400	27.6	100	Υ
7311NXT-3000	3	76.2	4	3.730	94.7	1.94	0.88	400	27.6	100	Υ
7311NXT-4000	4	101.6	4	4.830	122.7	2.78	1.26	400	27.6	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### WILDCATTER® Hot Oiler Hose

Series 7301

Series 7301 is a heavy duty, high pressure hose for hot oil at 275°F continuous/300°F intermittent (135°C/149°C). The hose construction incorporates multiple wire braids of reinforcement for crush resistance, durability, kink resistance and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, heat, oil and weathering.

**Tube:** Black chloroprene Reinforcement: Multiple wire braids

**Cover:** Black chloroprene; perforated wrapped finish **Temp. Range:** -40°F to +275°F/300°F (-40°C to +135°C/149°C)

Brand Method: Red text on black stripe

Brand Example: PARKER WILDCATTER 7301 HOT OILER HOSE (ID) 2250 PSI MAX WP

TEMP RATING 275°F CONTINUOUS 300°F INTERMITTENT

Design Factor: 3:1

Industry Standards: None applicable

**Applications:** • Hot asphalt, glue, tar, oil, wax

• In-plant transfer; delivery trucks

· Construction, general industrial, oilfield

Vacuum: Not recommended

Packaging: Coils

### Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7301-1502	1-1/2	38.1	2	2.000	50.8	1.59	0.72	13.0	330.2	2250	155.1	50	Υ
7301-1502075	1-1/2	38.1	2	2.000	50.8	1.59	0.72	13.0	330.2	2250	155.1	75	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





# WILDCATTER® Slim Hole Rotary Drill Hose

Series 7234

Series 7234 is a heavy duty, high pressure, versatile hose designed to handle cement solutions, mild chemicals, oil and water in oilfield applications such as rotary service on portable drilling units, reverse circulation systems, seismic equipment and workover rigs. The hose construction incorporates multiple plies of high tensile wire reinforcement that provide high pressure capability, crush resistance, durability, kink resistance and a path to conduct a static electrical charge to ground. The nitrile/PVC cover is resistant to abrasion, oil and weathering.

**Tube:** Black synthetic rubber **Reinforcement:** Multiple wire plies

Cover: Black synthetic rubber; wrapped finish

Temp. Range: (2" ID) -40°F to +200°F (-40°C to +93°C)
(3" ID) -40°F to +250°F (-40°C to +121°C)

**Brand Method:** Yellow text on blue stripe

Brand Example: PARKER WILDCATTER 7234 SLIM HOLE ROTARY DRILL HOSE

3000 PSI MAX WP

**Design Factor:** (2" ID) 3.3:1

(3" ID) 2.5:1

**Industry Standards:** None applicable

**Applications:** • Cement solutions, mild chemicals, oil, water

• Portable drilling units, workover rigs

· General industrial, oilfield

Vacuum: Not recommended

Compare to: Gates Powerbraid Plus Slim Rotary Hole

Packaging: Coils

For cu	rrently qu	ualified cri	mp specifi	cations i	•	•	cations lesignation		CrimpSo	urce® at v	vww.safel	hose.com	ı <b>.</b>
Part	ID	ID	Reinf	OD	OD	Approx	Approx	Min	Min	Max	Max	Std	Stock
Number	(in)	(mm)	Plies	(in)	(mm)	Wt	Wt	Bend	Bend	Rec	Rec	Pack	Status

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7234-2002	2	50.8	4	2.593	65.9	2.75	1.25	12.5	317.5	3000	206.8	100	Υ
7234-3000	3	76.2	4	3.780	96.0	4.60	2.09	44.0	1104.9	3000	206.8	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### STEAM-LANCE® 250 EPDM Compact Steam Hose Non-Skive E-Z Crimp

Series 7263C (Black) and Series 7264C (Red)

Series 7263C/7264C is a compact, slim profile hose for long-lasting steam service, one of the toughest applications for hose. The hose construction incorporates an EPDM tube that resists heat and popcorning, and a wire braid reinforcement for crush-resistant durability. The EPDM cover is resistant to abrasion, cracking, hardening and ozone; the red cover of 7264C provides color-coded identification. Series 7263C/7264C is qualified with Parker non-skive crimp couplings for easy and quick assembly fabrication as well as maintenance-free service.

**Tube:** Black EPDM Reinforcement: Multiple wire braids

Cover: Black or red EPDM; perforated wrapped finish

**Temp. Range:** -40°F to +406°F saturated steam/+450°F superheated steam

(-40°C to +208°C saturated steam/+232°C superheated steam)

Brand Method: Embossed

**Brand Example:** PARKER SERIES (7263C) (7264C) STEAM-LANCE®

E-Z CRIMP 250 PSI MAX WP MADE IN USA (DATE CODE)

**Design Factor:** 20:

Industry Standards: None applicable

**Applications:** • Saturated and superheated steam

 Cleaning containment vessels and manufacturing equipment; cleaning and heating process equipment

• Manufacturing and processing plants, refineries

Vacuum: Not recommended

Compare to: Boston Concord 250; Gates 205MB Steam King;

Goodall N2576 Thermoflex; Thermoid Burstproof Regular;

ContiTech Flexsteel 250 Steam

Packaging: Cartons

### Series 7263C (Black) and Series 7264C (Red)

		Crimp	Speci	fications
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For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number 7263C or 7264C	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	7263C Stock Status	7264C Stock Status
-502	1/2	12.7	2	0.950	24.1	0.37	0.17	7.0	177.8	250	17.2	50	Υ	N
-752	3/4	19.1	2	1.200	30.5	0.47	0.21	9.0	228.6	250	17.2	50	Υ	Υ
-1002	1	25.4	2	1.467	37.3	0.63	0.29	12.0	304.8	250	17.2	50	Υ	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

#### $\Delta$ warnings!

- ▶ Failure to properly inspect, maintain, test and use steam hose assemblies may result in property damage, personal injury or death. Refer to ARPM publication IP-11-1, "Guide for Use, Testing and Inspection of Steam Hose."
- ▶ Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher the temperature required to achieve and maintain a steam phase. If steam escapes, dangerous quantities of heat may be released very suddenly. Exposure to hot water, low pressure steam and high pressure steam may cause severe scalding or fatal burns.
- ▶ Use only hoses designated for steam service for steam applications.
- ▶ Prior to use with detergents or rust inhibitors, refer to the chemical guide in this catalog or contact Parker.
- ▶ Drain steam hose after each use to reduce the possibility of hose popcorning while in service.
- ► Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.





### STEAM-LANCE® 250 EPDM Steam Hose

Series 7263(E) (Black) and Series 7264 (Red)

Series 7263(E)/7264 is a traditional hose designed for long-lasting steam service, one of the toughest applications for hose, where the hot/cold wet/dry cycling attacks rubber compounds externally as well as internally. The hose construction incorporates an EPDM tube that resists heat and popcorning, and a wire braid reinforcement for crush-resistant durability, kink resistance and a path to conduct a static electrical charge to ground. The EPDM cover is resistant to abrasion, cracking, hardening and ozone; the red cover of 7264 provides color-coded identification.

Tube: Black EPDM

Reinforcement: Multiple wire braids

**Cover:** Black or red EPDM; perforated wrapped finish

**Temp. Range:** -40°F to +406°F saturated steam/+450°F superheated steam

(-40°C to +208°C saturated steam/+232°C superheated steam)

Brand Method: Embossed

Brand Example: PARKER SERIES (7263) (7264) STEAM-LANCE®

250 PSI MAX WP MADE IN USA (DATE CODE)

**Design Factor:** 10:1 (20:1 for 1/2", 3/4" and 1" sizes only)

Industry Standards: None applicable

**Applications:** • Saturated and superheated steam

 Cleaning containment vessels and manufacturing equipment; cleaning and heating process equipment

Manufacturing and processing plants, refineries

Vacuum: Not recommended

Compare to: Boston Concord 250; Gates 205MB Steam King;

Goodall N2576 Thermoflex; Thermoid Burstproof Regular;

ContiTech Flexsteel 250 Steam

Packaging: Cartons; reels

(Continued on the following page)

#### **WARNINGS!**

- ► Failure to properly inspect, maintain, test and use steam hose assemblies may result in property damage, personal injury or death. Refer to ARPM publication IP-11-1, "Guide for Use, Testing and Inspection of Steam Hose."
- ▶ Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher the temperature required to achieve and maintain a steam phase. If steam escapes, dangerous quantities of heat may be released very suddenly. Exposure to hot water, low pressure steam and high pressure steam may cause severe scalding or fatal burns.
- ▶ Use only hoses designated for steam service for steam applications.
- ▶ Prior to use with detergents or rust inhibitors, refer to the chemical guide in this catalog or contact Parker.
- ▶ Drain steam hose after each use to reduce the possibility of hose popcorning while in service.
- ► Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.



## Series 7263(E) (Black) and Series 7264 (Red) – STEAM-LANCE® 250 EPDM Steam Hose (Continued)

### Series 7263(E) (Black)

	, , ,	- /											
For cu	urrently qu	ualified cr	imp speci	fications i		Specificoupling of			o CrimpSo	urce® at v	vww.safel	nose.com	
Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7263-502	1/2	12.7	2	1.031	26.2	0.48	0.22	7.0	177.8	250	17.2	50	Υ
7263-502A	1/2	12.7	2	1.031	26.2	0.48	0.22	7.0	177.8	250	17.2	500	Υ
7263-752	3/4	19.1	2	1.343	34.1	0.66	0.30	9.5	241.3	250	17.2	50	Υ
7263-752A	3/4	19.1	2	1.343	34.1	0.66	0.30	9.5	241.3	250	17.2	500	Υ
7263-1002	1	25.4	2	1.593	40.5	0.85	0.39	12.0	304.8	250	17.2	50	Υ
7263-1002A	1	25.4	2	1.593	40.5	0.85	0.39	12.0	304.8	250	17.2	500	Υ
7263-1252	1-1/4	31.8	2	1.875	47.6	1.14	0.52	16.5	419.1	250	17.2	50	Υ
7263E-1502	1-1/2	38.1	2	2.190	55.6	1.44	0.65	20.0	508.0	250	17.2	50	Υ
7263E-2002	2	50.8	2	2.670	67.8	1.76	0.80	25.0	635.0	250	17.2	50	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

### Series 7264 (Red)

001100 720 1	(												
For co	urrently q	ualified cr	imp speci	fications i	-	-	ications designation		o CrimpSo	urce® at v	www.safel	nose.com	
Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7264-502	1/2	12.7	2	1.031	26.2	0.50	0.23	7.0	177.8	250	17.2	50	N
7264-502A	1/2	12.7	2	1.031	26.2	0.50	0.23	7.0	177.8	250	17.2	500	N
7264-752	3/4	19.1	2	1.343	34.1	0.70	0.32	9.5	241.3	250	17.2	50	Υ
7264-752A	3/4	19.1	2	1.343	34.1	0.70	0.32	9.5	241.3	250	17.2	500	Υ
7264-1002	1	25.4	2	1.593	40.5	0.88	0.40	12.0	304.8	250	17.2	50	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### WILDCATTER® BS&W™ Corrugated Vacuum Hose

Series 7213E

Series 7213E is a flexible, lightweight suction and discharge hose designed to handle brine, crude oil, mild chemicals, petroleum waste, sediments, sludge, slurries and water in harsh oilfield bottom sediment and waste pit recovery applications. The corrugated hose construction incorporates a wire helix that provides full suction capability, flexibility, kink resistance, and a path to conduct a static electrical charge to ground. The nitrile/SBR cover is resistant to abrasion, oil and weathering.

**NOTES:** • Do not use with refined oil or fuel.

• This hose is not intended to transfer undiluted solutions of diesel fuel, fuel oil, kerosene or petroleum distillates. However, it is suitable for transferring brine, crude oil, drilling mud, fracking fluids, fresh water, mild chemicals, salt water and slurries that may contain additives such as diesel fuel, fuel oil, kerosene or petroleum distillates that are used as corrosion or freeze inhibitors, or gelling agents.

**Tube:** Black nitrile; ARPM Class A oil resistance/SBR

**Reinforcement:** Multiple textile plies with wire helix

Cover: Black nitrile; ARPM Class A oil resistance/SBR; corrugated wrapped

finish

**Temp. Range:** -22°F to +185°F (-30°C to +85°C)

**Brand Method:** White text on blue stripe

Brand Example: PARKER WILDCATTER 7213E BS&W OILFIELD SUCTION HOSE

150 PSI MAX WP

Industry Standards: None applicable

**Applications:** • Brine, crude oil, mild chemicals, petroleum waste, sediments, sludge,

slurries, water

Oilfield waste recovery, general industrial

**Vacuum:** 29 in Hg (737 mm Hg)

**Compare to:** Kuriyama T601AA; Jason Tupelo 4677; Texcel Tex-Vac; ContiTech

Flextra Oilfield

Packaging: Coils

### Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7213E-1500	1-1/2	38.1	2	1.976	50.2	0.86	0.39	4.0	101.6	150	10.3	100	Υ
7213E-2000	2	50.8	3	2.441	62.0	1.02	0.46	5.0	127.0	150	10.3	100	Υ
7213E-2500	2-1/2	63.5	3	2.953	75.0	1.29	0.59	6.2	157.5	150	10.3	100	Υ
7213E-3002	3	76.2	3	3.504	89.0	1.52	0.69	7.6	193.0	150	10.3	100	Υ
7213E-4002	4	101.6	3	4.567	116.0	2.49	1.13	12.0	304.8	150	10.3	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### SUPER-FLEX® EPDM Water Suction Hose

### Series 7392E

Series 7392E is a lightweight suction and discharge hose designed to handle alkalies, brine, glycols, herbicides, mild chemicals, slurries and water. The hose construction incorporates a wire helix that provides full suction capability and kink resistance. The EPDM cover is resistant to abrasion, heat, mild chemicals and weathering.

Tube: Black EPDM

Reinforcement: Multiple textile plies with wire helix
Cover: Black EPDM; wrapped finish
Temp. Range: -40°F to +180°F (-40°C to +82°C)

**Brand Method:** White text on blue stripe

Brand Example: PARKER SERIES 7392E WATER SUCTION HOSE – XXX PSI MAX WP

Industry Standards: None applicable

**Applications:** • Alkalies, brine, glycols, herbicides, mild chemicals, slurries, water

• Agriculture, construction, general industrial, irrigation, surface mining

**Vacuum:** 29 in Hg (737 mm Hg)

Compare to: Gates Barracuda; ContiTech Plicord Con-Ag Water S&D

Packaging: Coils

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7392E-1500	1-1/2	38.1	2	1.890	48.0	0.72	0.33	6.0	152.4	150	10.3	100	Υ
7392E-2000	2	50.8	2	2.440	62.0	1.08	0.49	7.0	177.8	150	10.3	100	Υ
7392E-2500	2-1/2	63.5	2	2.950	74.9	1.45	0.66	8.0	203.2	150	10.3	100	Υ
7392E-3000	3	76.2	2	3.500	88.9	1.80	0.82	10.0	254.0	150	10.3	100	Υ
7392E-4000	4	107.0	2	4.530	115.1	2.43	1.10	22.0	558.8	150	10.3	100	Υ
7392E-6000	6	152.4	2	6.625	168.3	3.71	1.68	28.0	711.2	150	10.3	100	Υ
7392E-600020	6	152.4	2	6.625	168.3	3.71	1.68	28.0	711.2	150	10.3	20	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





### **High Pressure Jetting Hose**

Series SS111

Series SS111 is a heavy duty jetting hose for slurries and water. The hose construction provides high pressure, high volume flow for cleanup and washdown applications, and the SBR cover is resistant to abrasion and weathering.

Tube: Black SBR

Reinforcement: Multiple textile plies

Cover: Black SBR; wrapped finish

Temp. Range: -40°F to +180°F (-40°C to +82°C)

**Brand Method:** Black text on blue stripe

Brand Example: PARKER SERIES SS111 HIGH PRESSURE WATER JETTING XXX PSI WP

MADE IN USA

**Design Factor:** 4:1

Industry Standards: None applicableApplications: • Slurries, water

Cable cover, cleaning, stripping, washdownConstruction, general industrial, oilfield, shipyards

Vacuum: Not recommended

Packaging: Coils

### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SS111-2000	2	50.8	6	2.813	71.4	1.13	0.51	800	55.2	100	N
SS111-2500	2-1/2	63.5	6	3.313	84.2	1.37	0.62	800	55.2	100	N
SS111-3000	3	76.2	6	3.813	96.8	2.42	1.10	800	55.2	100	Υ
SS111-4000	4	101.6	6	4.813	122.2	3.10	1.41	800	55.2	100	Υ
SS111-5000	5	127.0	6	5.813	147.6	3.77	1.71	500	34.5	100	N
SS111-6000	6	152.4	8	7.000	177.8	5.23	2.37	500	34.5	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





# Lightweight High Pressure Water Jetting Hose

Series SS122

Series SS122 is a lightweight, high pressure, high volume water jetting hose for cleaning, stripping and washdown applications. The SBR cover is resistant to abrasion and weathering.

Tube: Black SBR

Reinforcement: Multiple textile plies

Cover: Black SBR; wrapped finish

**Temp. Range:** -40°F to +180°F (-40°C to +82°C)

Brand Method: Black text on blue stripe

Brand Example: PARKER SS122 HIGH PRESSURE JETTING HOSE XXX PSI WP

MADE IN USA

Design Factor: 4:1

Industry Standards: None applicableApplications: • Slurries, water

· Cleaning, stripping, washdown

Construction, general industrial, oilfield, shipyards

Vacuum: Not recommended

Packaging: Coils

#### **Crimp Specifications**

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
SS122-1250	1-1/4	31.8	2	1.688	42.9	0.49	0.22	500	34.5	100	Υ
SS122-1500	1-1/2	38.1	2	1.938	49.2	0.60	0.27	500	34.5	100	Υ
SS122-2000	2	50.8	2	2.500	63.5	0.96	0.44	500	34.5	100	Υ
SS122-2500	2-1/2	63.5	2	3.000	76.2	1.15	0.52	500	34.5	100	Υ
SS122-3000	3	76.2	2	3.500	88.9	1.36	0.62	500	27.6	100	N
SS122-4000	4	101.6	2	4.500	114.3	1.75	0.79	300	20.7	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





# **STINGER™II**High Pressure Multipurpose Hose MSHA

Series 7268E

Series 7268E is a versatile, high pressure hose designed to handle air, mild chemicals, oil, and water. The hose construction incorporates high tensile wire braid reinforcement that provides durability, kink resistance, high pressure capability, and superior coupling retention. The flame resistant bright yellow cover meets MSHA requirements and is also resistant to abrasion and oil.

**Tube:** Black chloroprene **Reinforcement:** One wire braid

**Cover:** Yellow nitrile/PVC; perforated wrapped finish

Temp. Range: -20°F to +212°F (-29°C to +100°C)

Brand Method: Embossed (1-1/2" black ink)

Brand Example: PARKER SERIES 7268E STINGER II (ID) 1000 PSI MAX WP MSHA #

**Design Factor:** 4:1 **Industry Standards:** MSHA

**Applications:** • Air, mild chemicals, oil, water

Heavy duty air tools, compressors; drill hose, dust suppression in mines

• Construction, general industrial, mines, oilfields, quarries

Vacuum: Not recommended

Compare to: Boston Concord Yellow Jack; Gates 1000MP/Mine Spray; ContiTech

Minespray, Super Ortac

Packaging: Reels, cartons

#### Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7268E-751	3/4	19.1	1	1.043	26.5	0.34	0.15	6.0	152.4	1000	68.9	524	N
7268E-751050	3/4	19.1	1	1.043	26.5	0.34	0.15	6.0	152.4	1000	68.9	50	Υ
7268E-751100	3/4	19.1	1	1.043	26.5	0.34	0.15	6.0	152.4	1000	68.9	100	Υ
7268E-1001	1	25.4	1	1.339	34.0	0.50	0.23	8.0	203.2	1000	68.9	524	N
7268E-1001050	1	25.4	1	1.339	34.0	0.50	0.23	8.0	203.2	1000	68.9	50	Υ
7268E-1001100	1	25.4	1	1.339	34.0	0.50	0.23	8.0	203.2	1000	68.9	100	Υ
7268E-1251050	1-1/4	31.8	1	1.630	41.4	0.67	0.30	12.0	304.8	1000	68.9	50	Υ
7268E-1251100	1-1/4	31.8	1	1.630	41.4	0.67	0.30	12.0	304.8	1000	68.9	100	Υ
7268E-1501050	1-1/2	38.1	1	1.890	48.0	0.86	0.39	14.0	355.6	1000	68.9	50	Υ
7268E-1501100	1-1/2	38.1	1	1.890	48.0	0.86	0.39	14.0	355.6	1000	68.9	100	Υ
7268E-2001	2	50.8	1	2.437	62.0	1.14	0.52	18.0	457.2	1000	68.9	50	Υ
7268E-2001100	2	50.8	1	2.437	62.0	1.14	0.52	18.0	457.2	1000	68.9	100	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.

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Cover colors available:

7258-BK

7258-BL

## HURRICANE<sup>™</sup> Pressure Washer Hose

Series 7258

Series 7258 is a flexible, high pressure, high temperature pressure washer hose for hot water and mild chemicals. The hose construction incorporates a high tensile wire braid reinforcement that provides durability, kink resistance and superior coupling retention. Both cover colors are resistant to oil and weathering.

**NOTE:** Do not use for carpet cleaning or steam service.

**Tube:** Black chloroprene **Reinforcement:** One wire braid

Cover: Black (BK) chloroprene, wrapped finish;

Blue (BL) chloroprene; perforated wrapped finish

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

**Brand Method:** White ink

Brand Example: PARKER SERIES 7258 HURRICANE™ 3000 PSI MAX

WP MADE IN USA (DATE CODE)

**Design Factor:** 4:1 (1/2" @ 3.5:1) **Industry Standards:** None applicable

**Applications:** • Hot water, mild chemicals

· Agriculture, construction, general industrial,

oilfield, shipyards

Vacuum: Not recommended Compare to: Gates Power Clean

Packaging: Reels

### Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ft)	Stock Status **
7258-250BK	1/4	6.4	1	0.500	12.7	0.14	0.06	1.5	38.1	3000	206.8	500	Υ
7258-380BK	3/8	9.5	1	0.625	15.7	0.19	0.09	2.0	50.8	3000	206.8	500	Υ
7258-501BK	1/2	12.7	1	0.745	18.9	0.23	0.10	3.0	76.2	2500	172.4	500	N
7258-250BL	1/4	6.4	1	0.500	12.7	0.14	0.06	1.5	38.1	3000	206.8	500	Υ
7258-380BL	3/8	9.5	1	0.625	15.7	0.19	0.09	2.0	50.8	3000	206.8	500	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



### Making Safe Hose Assemblies

### CrimpSource® Industrial Hose Crimp Specification System

The Parker CrimpSource system provides validated crimp specifications for permanent fittings used as components of industrial hose assemblies.

Parker developed the CrimpSource system because industrial hoses are designed to convey abrasive materials, acids, chemicals, compressed gases and fuel, each of which can cause as much harm to workers and the environment as a failed hydraulic hose assembly. Furthermore, industrial hose assemblies that are used to transfer these hazardous materials have no comprehensive industry safety standards.

The Parker CrimpSource crimp specification system provides:

- Online, real-time access to current crimp specification data
- Crimp specifications based on actual physical testing/data, not mathematical calculations based only on theoretical formulations and compression ratios
- Crimp specifications for blender, chemical, fracking, material handling, petroleum and steam applications common to oil and gas operations
- Crimp specifications for hoses from 1/4" ID to 10" ID



Upstream and downstream industrial hose oilfield applications can be dangerous and challenging. Parker industrial hose assemblies that incorporate permanent crimped-on fittings applied to CrimpSource specifications provide an extra measure of performance, reliability and safety.



To access CrimpSource for industrial hose, visit **Safehose.com** and select the CrimpSource tab.

### **Industrial Hose Safety**

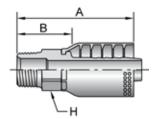
A Parker CrimpSource industrial hose assembly is an integrated system consisting of compatible hose and fittings installed



using a compatible crimper, and fabricated, tested and validated to the highest performance criteria. The Parker CrimpSource system, developed many years ago, is similar to what has been available in the high pressure hydraulic hose industry for more than 50 years: the qualification/validation of hose and end connections crimped on the hose, with the hose manufacturer guaranteeing their performance to meet or exceed the rated working pressure of the hose when the specification is followed. Parker is a single, accountable source with a specific performance guarantee to protect distributors and end users from accidents, unplanned downtime and increased liability associated with failed industrial hose assemblies.



### Series CC Crimp Couplings





Part	Hose	Thread	Thread			Dimensions			Std Pack	Approx	Stock
Number	ID (in)	ID (in)	Dash Size	A (in)	A (mm)	H (in)	B (in)	B (mm)	Qty (per carton)	Wt Per Ctn (lbs)	Status **
S101CC-16-16CW	1	1x11-1/2	-16	3.94	100	1-3/8	2.00	51	20	18.60	Υ
S101CC-20-20CW	1-1/4	1-1/4x11-1/2	-20	4.06	103	1-3/4	2.39	61	-	3.00	N
S101CC-24-24CW	1-1/2	1-1/2x11-1/2	-24	3.50	89	2	2.13	54	5	5.00	Υ
S101CC-32-32CW	2	2x11-1/2	-32	5.39	137	2-5/8	2.14	54	2	13.00	Υ

<sup>\*\*</sup> Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service Material: Stainless Steel Inserts, Carbon Steel Ferrules



# COS-K4 Adjustable Crimper Electronic Crimp Setting/Adjustment

The COS-K4 is a versatile adjustable crimper that provides accurate, reliable, repeatable, quick and easy crimping for hose to 4" ID.

- 265 tons of crimping force
- 7.5 horsepower hydraulic pump, 8 gallon reservoir (5 horsepower pump for single phase model)
- Available in 3 models:
  - 220 Volt, 3-phase (standard)
  - 440 Volt, 3-phase (optional)
  - 220 Volt, 1-phase, 5 hp (optional)
- Master die ID: 145 mm
- Master die opening without dies: 205 mm
- Master die opening with dies: Die diameter + 60 mm
- Maximum crimping diameter: 136 mm
- Electronic crimp setting/adjustment
- · Manual and automatic operation
- · Heavy-duty base
- · Capability:
  - to 4" industrial hose
  - to 2" 4-spiral wire hose
  - to 1-1/2" 6-spiral wire hose





**K4 Crimper Stand** 

Part Number	Description	Dimensions	Approx Wt (lbs)	Stock Status	Availability
COS-K4SP220	220 Volt, 3-phase (standard)	29" W x 20" L x 32" H	573	N	
COS-K4TP440	440 Volt, 3-phase (optional)	29" W x 20" L x 32" H	573	N	
COS-K4TP220	220 Volt, 1-phase, 5 hp (optional) 29" W x 20" L x 32" H			N	
	Master Die, 145 mm			N	Included
	Adapter Die, 145 mm (for 99 mm dies)			N	Included
101247-99	Crimper Stand, Storage Rack, Die-change Tool for 99 mm dies		90	N	Optional
EBS-60	Electronic Back Stop		5	N	Optional
MBS-60	Mechanical Back Stop			N	Optional
CC- FOOTSWITCH	Foot Switch			N	Included

Contact Parker for optional dies and accessories. For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.



### COS-K6 **Adjustable Crimper Electronic Crimp Setting/Adjustment**

The COS-K6 is a versatile adjustable crimper that provides accurate, reliable, repeatable, quick and easy crimping for hose to 6" ID.

- 265 tons of crimping force
- 7.5 horsepower motor with 2 stage hydraulic pump, 24 gallon reservoir
- Available in 3 models:
  - 230 Volt, 3-phase (standard)
  - 440 Volt, 3-phase (optional)
  - 230 Volt, 1-phase, 5 hp (optional)
- Master head opening without dies: 286 mm
- Master die inside diameter: 160 mm
- Master die closed diameter: 128 mm
- Adapter dies: 160 mm to 99 mm
- Electronic crimp setting/adjustment
- Manual, automatic and semi-automatic operation
- Capability:
  - to 6" industrial hose
  - to 2" 6-spiral wire hose



Part Number	Description	Dimensions	Approx Wt (lbs)	Stock Status	Availability
COS-K6-230/3	230 Volt, 3-phase (standard)	54" W x 49" D x 57" H	4000	N	
COS-K6-440/3	440 Volt, 3-phase (optional)	54" W x 49" D x 57" H	4000	N	
	230 Volt, 1-phase, 5 hp (optional)	54" W x 49" D x 57" H	4000	N	
103572	Crimper Stand with Die Shelf			N	Included
	Master Die, 145 mm			N	Included
103899	Adapter Die Set 160 mm OD to 99 mm ID			N	Included
102571	Quick Change Tool 99 mm			N	Included
103889	Mini Grease Gun with Grease Tube			N	Included
103887	CrimpX Die Lubricant			N	Optional
EBS-60	Electronic Back Stop			N	Optional
MBS-60	Mechanical Back Stop			N	Included
CC-FOOTSWITCH	Foot Switch			N	Included
103471	Mirror			N	Included

Contact Parker for optional dies and accessories. For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.



### **COS-K10 Adjustable Crimper Electronic Crimp Setting/Adjustment**

The COS-K10 is a versatile adjustable crimper that provides accurate. reliable, repeatable, quick and easy crimping for hose to 10" ID.

- 485 tons of crimping force
- 7.5 horsepower motor with 2 stage hydraulic pump, 45 gallon reservoir
- Available in 3 models:
  - 230 Volt, 3-phase (standard)
  - 440 Volt, 3-phase (optional)
  - 230 Volt, 1-phase, 5 hp (optional)
- Master head opening without dies: 350 mm
- Master die inside diameter: 230 mm
- Master die closed diameter: 125 mm
- Adapter dies: 145 mm to 99 mm and 230 mm to 125 mm
- Electronic crimp setting/adjustment
- Manual, automatic and semi-automatic operation
- · Capability:
  - to 10" industrial hose
  - to 2-1/2" 6-spiral wire hose



Part Number	Description	Dimensions (Power Unit/Crimper/Stand)	Approx Wt (lbs)	Stock Status	Availability
COS-K10-230/3	230 Volt, 3-phase (standard)	62" W x 54" D x 86" H	6185	N	
COS-K10-440/3	440 Volt, 3-phase (optional)	62" W x 54" D x 86" H	6185	N	
	230 Volt, 1-phase, 5 hp (optional)	62" W x 54" D x 86" H	6185	N	
	Crimper Stand			N	Included
103572	Die Shelves (2 ea)			N	Included
	Master Die, 145 mm			N	Included
103276	Adapter Die Sets 145 mm OD to 99 mm ID				Included
103275	Adapter Die Sets 230 mm OD to 145 mm ID			N	Included
102571	Quick Change Tool 99 mm			N	Included
103889	Mini Grease Gun with Grease Tube			N	Included
103887	CrimpX Die Lubricant			N	Optional
EBS-60	Electronic Back Stop			N	Optional
MBS-60	Mechanical Back Stop			N	Included
CC-FOOTSWITCH	Foot Switch			N	Included
103471	Mirror			N	Included

Contact Parker for optional dies and accessories. For currently qualified crimp specifications including coupling designation, refer to CrimpSource® at www.safehose.com.

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### Age Control of Hose (Shelf Life)

The Parker warranty takes precedence over guidelines established by other industry organizations regarding the recommended shelf life of industrial hose. To achieve maximum shelf life, employ proper storage and handling practices and techniques, such as:

- Storage in the original shipping container such as a box, coil, or reel. Hose stored on a reel or in a coil should have its plastic wrapping kept intact.
- Storage in temperatures of 100°F (38°C) or less.
- Avoidance of ozone (electrical discharges or fields), water, extreme humidity, corrosive chemicals and ultraviolet radiation (direct sunlight).
- Use on a first-in, first-out (FIFO) basis determined by the manufacturing date on the hose.

For further information pertaining to age control of hose, contact Parker or refer to the current ARPM Hose Handbook, IP-2.

### **Electrical Properties** of Rubber Hose

### **Electrical Conductivity**

Industrial hoses generally fall into three categories: conductive, nonconductive, or somewhere in-between. Because of its unique properties, it is possible for rubber to be nonconductive at low voltage and conductive at high voltage. When using a hose in an application that has electrical resistance requirements (low electrical resistance for conductive applications or high electrical resistance for nonconductive applications), always select a hose that is specifically designed to meet the specific need. Since conductivity or nonconductivity is not a consideration for many applications, electrical resistance ratings do not exist for many hoses.

#### **Conductive Hose**

Static electricity is generated by the flow of material (even some liquids) through a hose. As the material flows, molecules collide and generate friction, which creates minute amounts of electrical charge (excess electrons). The charge accumulates potential energy at the delivery end of the hose (coupling/nozzle). The amount of charge increases with material volume and linear velocity, coarseness of the material, and length of the hose. If not properly grounded, the accumulated charge (potential energy) will seek its own ground. The charge will be attracted to external materials in proximity (such as a steel storage container); if not properly grounded, the electrons may arc (jump) to the external material, igniting volatile materials in the hose, or in proximity to the hose.

Electrically conductive wires and conductive rubber components are used in hose to prevent static electricity build-up and discharge as a spark. Electrical engineers differ in opinion on the effects of static electricity and the means of dissipating it. In handling gasoline and other petroleum-based liquids, recognized national associations and companies have conflicting opinions on the need for conductive hoses. Until a consensus is reached among all associations, laboratories and users, and a standard practice is established, it is essential that the user determine the need for static bonded hose based on (a) the intended use of the hose, (b) instructions from the company's safety division, (c) the insurer, and (d) the laws of the localities and states in which the hose will be used.

Some types of hose include a helical or static wire(s). This wire can be used for electrical continuity provided that proper contact is made and maintained between it and the hose couplings.

#### **Nonconductive Hose**

Nonconductive hose constructions are those that resist the flow of electrical current. In some specific applications, especially around high voltage electrical lines, it is imperative for safety that the hose be nonconductive. Unless the hose is designed particularly to be nonconductive and is so branded, do not conclude that it is nonconductive. Many black rubber compounds are inherently and inadvertently conductive. Nonconductive hose is usually made to a qualifying standard that requires it to be tested to verify the desired electrical properties. The hose is frequently (but not necessarily) non-black in color and clearly branded to indicate it is designed for nonconductive applications.

**NOTE 1:** Parker industrial hose generally uses the non-conductivity standard originally developed by Alcoa Aluminum: A minimum resistance of one megohm per inch at 1,000 volts D.C.

**NOTE 2:** SAE has a separate standard for nonconductivity for high pressure hydraulic applications. Part of the standard requires that nonconductive hose feature an orange cover.

**NOTE 3:** Nonconductive hoses contain little/no conductive rubber compounds, static wires, helical wires, or wire reinforcement. Therefore, a nonconductive hose would not be recommended for an application requiring an "anti-static/static dissipating/conductive" hose.

! WARNING! Unless a hose is described as, or specifically and clearly branded to be conducting or nonconducting, assume that the electrical properties are uncontrolled.



### Force to Bend / Minimum Bend Radius

The amount of force required to bend a hose and the minimum bend radius are important factors in hose design and selection. The minimum bend radius is defined as the radius to which the hose can be bent in service without damaging or appreciably shortening the life of the product, and is measured to the inside of the curvature of the bend. The bend radius for a given application must be equal to or greater than the rated minimum bend radius. Bending the hose to a smaller bend radius than minimum may kink the hose and result in premature failure.

Perhaps more important in determining flexibility, the force-to-bend is defined as the amount of force required to induce bending around a specified radius. The less force that is required, the easier the product is to maneuver in the field. Different hose constructions may require significantly different forces to attain the same minimum bend radius. Generally, the preferred hose is the more flexible hose, provided all other properties are essentially equivalent.

### Oil and Fuel Resistance

Rubber compounds are available in different formulations, blends and grades. Compounds are selected by hose design engineers based on the intended application of the hose. For instance, a hose recommended for multipurpose applications that may include hydraulic or

lubrication oil service generally contains a lower grade of tube compound. Conversely, a hose recommended for a more rigorous application, such as highly refined fuel service, contains a higher grade of compound, often within the same compound family.

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater effect on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long-lasting service, the purchaser of fuel hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

The effect of oil on rubber depends on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and duration of exposure. Rubber compounds can be classified to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. In this ARPM classification, the rubber samples are immersed in IRM 903 oil at 212°F (100°C) for seventy hours. (See ASTM Method D-471 for a detailed description of the oil and the testing procedure.) As a guide to users of hose in contact with oil, the oil resistance classes and a corresponding description are listed on the next page.

### General Formula for Minimum Hose Length (given hose bend radius and degree of bend required)

Angle of Bend 360°

 $x 2 \pi r = Minimum length of hose to make bend.$ 

r = Given bend radius of hose.

**Example:** To make a 90° bend with 2" I.D. hose. Given r = 4.5 inches.

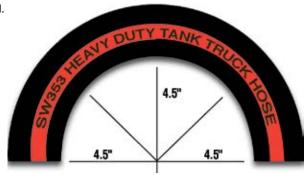
00

 $\frac{90}{360^{\circ}}$  x 2 x 3.14 x 4.5

 $.25 \times 2 \times 3.14 \times 4.5 = 7$ " (minimum length

of hose to make bend without damage to hose)

The bend radius for a given application must be equal to or greater than the rated minimum bend radius. Bending the hose to a smaller bend radius than minimum may kink the hose and result in premature failure.



The minimum bend radius is measured to the inside of the curvature.

### General Formula for Minimum Hose Length (allowing relief from couplings)

Overall Length (OAL) = (2 x Length of Coupling) + (2 x Hose OD) + (Angle/360) x 2  $\pi$  r

**-**Parker

### Physical Properties After Exposure to Oil

Class	Volume Change Maximum	Tensile Strength Retained
Class A (High Oil Resistance)	+25%	80%
Class B (Medium/High Oil Resistance)	+65%	50%
Class C (Medium Oil Resistance)	+100%	40%

The above ARPM guideline does not imply compatibility with all oil based fluids. There are many grades of rubber compounds that meet ARPM Class A oil resistance requirements. Some compound grades will be fine for multipurpose applications, while higher grades would be required for more rigorous applications.

Oil resistant hoses for multipurpose service tend to be more economical than hoses specifically designed and recommended for highly refined fuel service. These multipurpose hoses, even if they feature an ARPM Class A tube, are not necessarily recommended for use with highly refined fuels. Furthermore, many chemical resistance charts represent data developed from testing of a typical grade of compound used for that family of fluids. For example, "nitrile" may show compatibility with gasoline, but the nitrile that was tested is likely the nitrile used in gasoline dispenser hose, as opposed to the nitrile commonly used in multipurpose hose.

When selecting a hose for highly refined fuels such as aviation fuel, biodiesel, diesel, ethanol, gasoline or kerosene, be guided by the hose manufacturer's recommendation to use a hose designed and manufactured for that specific application and/or fluid. Contact Parker for further information.

### **Suction and Vacuum**

Hose is constructed with high adhesion between the tube and the carcass to prevent tube separation. Most hose is used for pressure service; however, some applications require the hose to resist collapse in suction and vacuum service. Such hose is subjected to crushing forces because the atmospheric pressure outside the hose is greater than the internal pressure. The hose can collapse and restrict the flow unless the hose is constructed to resist these pressure differentials. The most common method of preventing hose collapse is to build a helical member(s) (wire or thermoplastic) into the hose body. The size and spacing of the helix depends on the size of the hose and the pressure differential. In applications approaching a perfect vacuum, most of the plies of reinforcement are applied over the helix.

Suction hose must be specifically designed for the service for which it is used. Each element—tube, reinforcement, size, spacing, and location of the helix—must be carefully considered. While suction hose is generally used to convey liquids, vacuum hose carries air under a partial vacuum. Vacuum hose is reinforced to resist collapse and maintain its shape under rough handling and/or mechanical abuse. It does not require the heavy construction of suction hose because the dry materials generally conveyed are much lighter in weight than liquids and the vacuum is usually less than for normal suction service.





### Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings, Connectors, Conductors, Valves and Related Accessories

Parker Publication No. 4400-B.1

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies, valves, connectors, conductors 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.

- Tube or pipe burst.
- · Weld joint fracture.
- 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. No product from any division in Parker Fluid Connectors Group is approved for in-flight aerospace applications. For hoses and fittings used in in-flight aerospace applications, please contact Parker Aerospace Group.

#### 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. Metallic tube or pipe are called "tube". All assemblies made with Hose are called "Hose Assemblies". All products commonly called "fittings", "couplings" or "adapters" are called "Fittings". Valves are fluid system components that control the passage of fluid. Related accessories are ancillary devices that enhance or monitor performance including crimping, flaring, flanging, presetting, bending, cutting, deburring, swaging machines, sensors, tags, lockout handles, spring guards and associated tooling. 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. Parker publications are available at www.parker.com. SAE J1273 (www.sae.org) and ISO 17165-2 (www.ansi.org) also provide recommended practices for hydraulic Hose Assemblies, and should be followed.
- 1.2 Fail-Safe: Hose, Hose Assemblies, Tube, Tube 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, Hose Assembly, Tube, Tube Assembly or Fitting will not endanger persons or property.
- 1.3 Distribution: Provide a copy of this safety guide to each person responsible for selecting or using Hose, Tube and Fitting products. Do not select or use Parker Hose, Tube or Fittings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the Products.
- 1.4 User Responsibility: Due to the wide variety of operating conditions and applications for Hose, Tube and Fittings. Parker does not represent or warrant that any particular Hose, Tube 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 Products.
  - Assuring that the user's requirements are met and that the application presents no health or safety hazards.
  - Following the safety guide for Related Accessories and being trained to operate Related Accessories.
  - Providing all appropriate health and safety warnings on the equipment on which the Products 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 Products 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, TUBE AND FITTINGS 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 Fittings and the Hose/Fitting interface to be sufficiently conductive to drain off static electricity. Extreme care must be exercised when selecting Hose, Tube and Fittings for these or any other applications in which electrical conductivity or nonconductivity is a factor.

The electrical conductivity or nonconductivity of Hose, Tube 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 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, Tube and Fittings that are selected are proper for the application. Do not use any Parker Hose or Fittings for any such application requiring nonconductive Hose, including but not limited to applications near high voltage electric lines or dense magnetic fields, 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, Tube and Fittings for such use.
- 2.1.2 Electrically Conductive Hose: Parker manufactures 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. All hoses that convey fuels must be grounded.

Parker manufactures a special Hose for certain compressed natural gas ("CNG") applications where static electricity buildup may occur. Parker CNG Hose assemblies comply with the requirements of ANSI/IAS NGV 4.2; CSA 12.52, "Hoses for Natural Gas Vehicles and Dispensing Systems" (www.ansi.org). This Hose is labeled "Electrically Conductive for CNG Use"



### Parker Safety Guide, Parker Publication No. 4400-B.1 (continued)

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 within the specified temperature range. Parker CNG Hose should not be used in confined spaces or unventilated areas or areas exceeding the specified temperature range. Final assemblies must be tested for leaks. CNG Hose Assemblies should be tested on a monthly basis for conductivity per ANSI/IAS NGV 4.2; CSA 12.52.

Parker manufactures 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, Tube and Fitting selection must be made so that the published maximum working pressure of the Hose, Tube and Fittings are equal to or greater than the maximum system pressure. The maximum working pressure of a Hose, or Tube Assembly is the lower of the respective published maximum working pressures of the Hose, Tube and the Fittings used. Surge pressures or peak transient pressures in the system must be below the published maximum working pressure for the Hose, Tube and Fitting. 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, Tube, Fitting and Seals. Temperatures below and above the recommended limit can degrade Hose, Tube, Fittings and Seals to a point where a failure may occur and release fluid. Tube and Fittings performances are normally degraded at elevated temperature. Material compatibility can also change at temperatures outside of the rated range. 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, and Tube Assembly selection must assure compatibility of the Hose tube, cover, reinforcement, Tube, Plating and Seals 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, and Tube that is chemically compatible with a particular fluid must be assembled using Fittings and adapters containing likewise compatible seals. Flange or flare processes can change Tube material properties that may not be compatible with certain requirements such as NACE
- 2.6 Permeation: Permeation (that is, seepage through the Hose or Seal) will occur from inside the Hose or Fitting to outside when Hose or Fitting 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 or Fitting 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 or Fitting even though the fluid compatibility is acceptable without considering the potential hazardous effects that can result from permeation through the Hose or Tube Assembly.

Permeation of moisture from outside the Hose or Fitting to inside the Hose or Fitting will also occur in Hose or Tube 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. The sudden pressure release of highly pressurized gas could also result in Explosive Decompression failure of permeated Seals and Hoses.

- 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). For additional routing recommendations see SAE J1273 and ISO 17165-2. Hose Assemblies have a finite life and should be installed in a manner that allows for ease of inspection and future replacement. Hose because of its relative short life, should not be used in residential and commercial buildings inside of inaccessible walls or floors, unless specifically allowed in the product literature. Always review all product literature for proper installation and routing instructions.
- 2.9 Environment: Care must be taken to insure that the Hose, Tube 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, Tube and Fitting 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. Use of proper Hose or Tube clamps may also be required to reduce external mechanical loads. 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. Fittings with damages such as scratches on sealing surfaces and deformation should be replaced.
- 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 determining the proper Hose or Tube length of an assembly, be aware of Hose length change due to pressure, Tube length change due to thermal expansion or contraction, and Hose or Tube and machine tolerances and movement must be considered. When routing short hose assemblies, it is recommended that the minimum free hose length is always used. Consult the hose manufacturer for their minimum free hose length recommendations. Hose assemblies should be installed in such a way that any motion or flexing occurs within the same plane.
- 2.14 Specifications and Standards: When selecting Hose, Tube and Fittings, government, industry, and Parker specifications and recommendations must be reviewed and followed as applicable.
- 2.15 Hose Cleanliness: Hose and Tube components may vary in cleanliness levels. Care must be taken to insure that the Hose and Tube 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 or Tube require use of the same type of Hose or Tube as used with petroleum base fluids. Some such fluids require a special Hose, Tube, Fitting and Seal, while a few fluids will not work with any Hose at all. See instructions 2.5 and 1.5. The wrong Hose, Tube, Fitting or Seal 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.



Parker Industrial Hose Customer Service 866 810 HOSE (4673) 800 242 HOSE (4673) Wickliffe, OH South Gate, CA

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- 2.17 Radiant Heat: Hose and Seals 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 or Seal. Performance of Tube and Fitting subjected to the heat could be degraded.
- 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 or Seal 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. Any elastomer seal on fittings shall be removed prior to welding or brazing, any metallic surfaces shall be protected after brazing or welding when necessary. Welding and brazing filler material shall be compatible with the Tube and Fitting that are
- 2.19 Atomic Radiation: Atomic radiation affects all materials used in Hose and Tube assemblies. Since the long-term effects may be unknown, do not expose Hose or Tube assemblies to atomic radiation. Nuclear applications may require special Tube and Fittings.
- Aerospace Applications: The only Hose, Tube 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.
- Unlocking Couplings: Ball locking couplings or other Fittings with quick disconnect ability can unintentionally disconnect if they are dragged over obstructions, or if the sleeve or other disconnect member, is bumped or moved enough to cause disconnect. Threaded Fittings should be considered where there is a potential for accidental uncoupling.
- 3.0 HOSE AND FITTINGS ASSEMBLY AND INSTALLATION INSTRUCTIONS
- 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.
- 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 manufacturer's Hose or a Parker Hose on another manufacturer's 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.
  - To prevent the possibility of problems such as leakage at the Fitting or system contamination, it is important to completely remove all debris from the cutting operation before installation of the Fittings. 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.
- 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 with Parker published instructions. Do not crimp or swage another manufacturer's Fitting with a Parker crimp or swage die unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division.
- 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 Field Attachable/Permanent: Do not reuse any field attachable Hose Fitting that has blown or pulled off a Hose. Do not reuse a Parker permanent Hose

Western USA

- 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.
- 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
- 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.
- Twist Angle and Orientation: Hose Assembly installation must be such that relative motion of machine components does not produce twisting.
- **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.
- 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.
- 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.
- 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.
- Ground Fault Equipment Protection Devices (GFEPDs): WARNING! Fire and Shock Hazard. To minimize the danger of fire if the heating cable of a Multitube bundle is damaged or improperly installed, use a Ground Fault Equipment Protection Device. Electrical fault currents may be insufficient to trip a conventional circuit breaker.
  - For ground fault protection, the IEEE 515: (www.ansi.org) standard for heating cables recommends the use of GFEPDs with a nominal 30 milliampere trip level for "piping systems in classified areas, those areas requiring a high degree of maintenance, or which may be exposed to physical abuse or corrosive atmospheres".

#### 4.0 TUBE AND FITTINGS ASSEMBLY AND INSTALLATION INSTRUCTIONS

- Component Inspection: Prior to assembly, a careful examination of the Tube and Fittings must be performed. All components must be checked for correct style, size, material, seal, and length. Inspect the Fitting and sealing surfaces for burrs, nicks, corrosion, missing seal or other imperfections. Do NOT use any component that displays any signs of nonconformance.
- Tube and Fitting Assembly: Do not assemble a Parker Fitting with a Tube 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. The Tube must meet the requirements specified to the Fitting.
  - The Parker published instructions must be followed for assembling the Fittings to a Tube. 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.
- Related Accessories: Do not preset or flange Parker Fitting components using another manufacturer's equipment or procedures unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division. Tube, Fitting component and tooling must be check for correct style, size and material. Operation and maintenance of Related Accessories must be in accordance with the operation manual for the designated Accessory.
- Securement: In many applications, it may be necessary to restrain, protect, or guide the Tube to protect it from damage by unnecessary flexing, pressure surges, vibration, and contact with other mechanical components. Care must be taken to insure such restraints do not introduce additional stress or wear points.



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- Proper Connection of Ports: Proper physical installation of the Tube Assembly requires a correctly installed port connection insuring that no torque is transferred to the Tube when the Fittings are being tightened or otherwise during use.
- External Damage: Proper installation is not complete without insuring that tensile loads, side loads, flattening, potential abrasion, thread damage or damage to sealing surfaces are corrected or eliminated. See instruction 2.10.
- System Checkout: All air entrapment must be eliminated and the system pressurized to the maximum system pressure (at or below the Tube Assembly maximum working pressure) and checked for proper function and freedom from leaks. Personnel must stay out of potential hazardous areas while testing and using.
- Routing: The Tube 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.

#### HOSE AND FITTING MAINTENANCE AND REPLACEMENT INSTRUCTIONS

- 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. Certain products require maintenance and inspection per industry requirements. Failure to adhere to these requirements may lead to premature failure. A maintenance program must be established and followed by the user and, at minimum, must include instructions 5.2 through 5.7
- 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.
- 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.
- 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.
- 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. Hose and Fittings may be subjected to internal mechanical and/or chemical wear from the conveying fluid and may fail without warning. The user must determine the product life under such circumstances by testing. Also see section 2.5.
- 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.

- Elastomeric seals: Elastomeric seals will eventually age, harden, wear and 5.7 deteriorate under thermal cycling and compression set. Elastomeric seals should be inspected and replaced.
- 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.
- Compressed natural gas (CNG): Parker CNG Hose Assemblies should be tested after installation and before use, and at least on a monthly basis per instructions provided on the Hose Assembly tag. The recommended procedure is to pressurize the Hose and check for leaks and to visually inspect the Hose for damage and to perform an electrical resistance test.

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.

#### 6.0 **HOSE STORAGE**

- Age Control: Hose and Hose Assemblies must be stored in a manner that facilitates age control and first-in and first-out usage based on manufacturing date of the Hose and Hose Assemblies. Unless otherwise specified by the manufacturer or defined by local laws and regulations:
- The shelf life of rubber hose in bulk form or hose made from two or more materials is 28 quarters (7 years) from the date of manufacture, with an extension of 12 quarters (3 years), if stored in accordance with ISO 2230;
- **6.1.2** The shelf life of thermoplastic and polytetrafluoroethylene hose is considered to be unlimited:
- 6.1.3 Hose assemblies that pass visual inspection and proof test shall not be stored for longer than 2 years.
- 6.1.4 Storage: Stored Hose and Hose Assemblies must not be subjected to damage that could reduce their expected service life and must be placed in a cool, dark and dry area with the ends capped. Stored Hose and Hose Assemblies must not be exposed to temperature extremes, ozone, oils, corrosive liquids or fumes, solvents, high humidity, rodents, insects, ultraviolet light, electromagnetic fields or radioactive materials.

Issue Date	ECO Number:	Revision Letter:	Revision Date:	Specification
24-SEP-2015	XXXXXX	Α	30-OCT-2015	FC-Safety Guide

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- **13**. <u>Limitation on Assignment</u>. Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.
- 14. <u>Force Majeure</u>. Seller does not assume the risk and is not liable for delay or failure to perform any of Seller's obligations by reason of events or circumstances beyond its reasonable control (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation: accidents, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's reasonable control.
- 15. <u>Waiver and Severability</u>. Failure to enforce any provision of this agreement will not invalidate that provision; nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalid ation of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.
- 16. <u>Termination.</u> Seller may terminate this agreement for any reason and at any time by giving Buyer thirty (30) days prior written notice. Seller may immediately terminate this agreement, in writing, if Buyer: (a) breaches any provision of this agreement (b) appoints a trustee, receiver or custodian for all or any part of Buyer's property (c) files a petition for relief in bankruptcy on its own behalf, or one if filed by a third party (d) makes an assignment for the benefit of creditors; or (e) dissolves its business or liquidates all or a majority of its assets.
- 17. Governing Law. This agreement and the sale and delivery of all Products are deemed to have taken place in, and shall be governed and construed in accordance with, the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to this agreement.
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