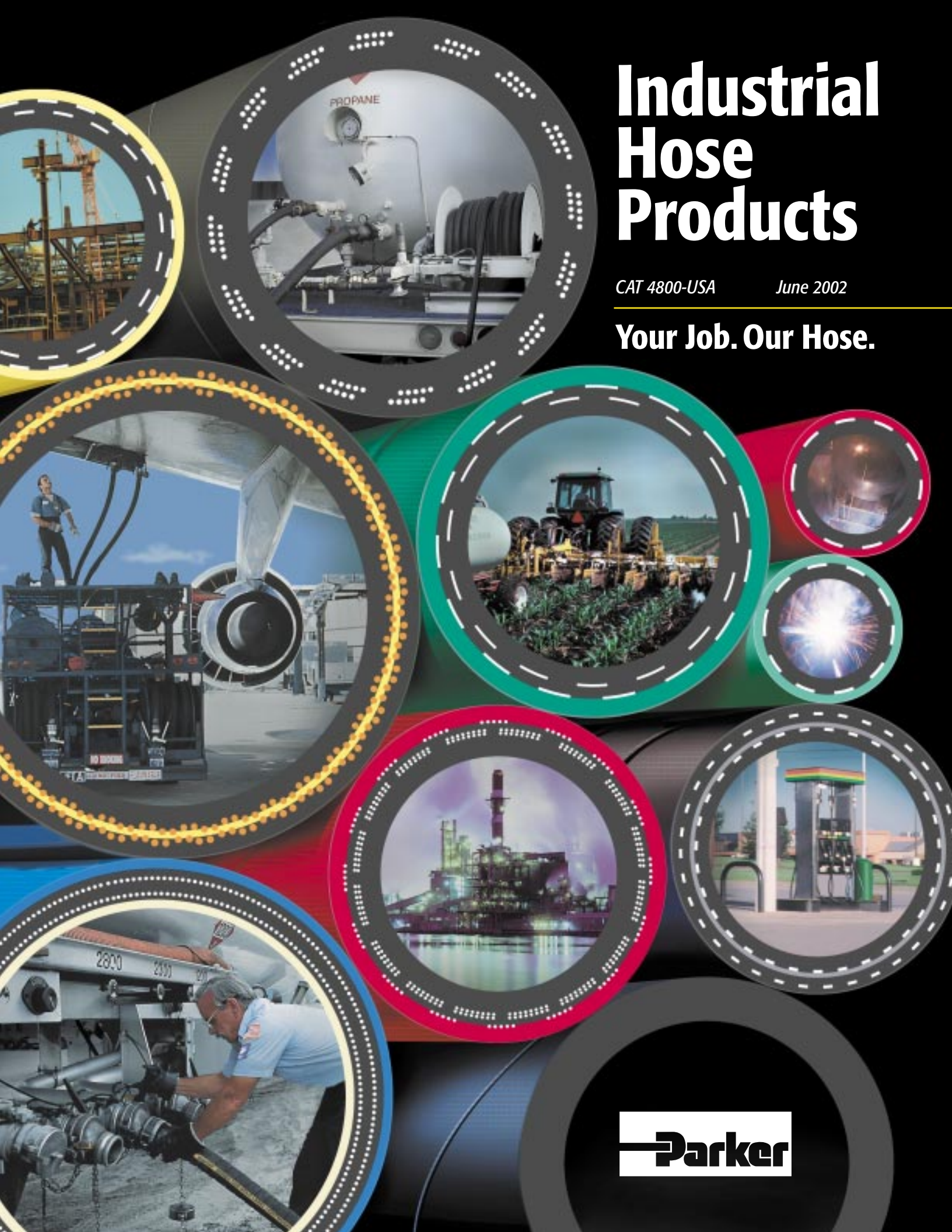


Industrial Hose Products

CAT 4800-USA *June 2002*

Your Job. Our Hose.

Parker

Appendices
Offer of Sale

The items described in this document and other documents or descriptions provided by Parker Hannifin Corporation, as subsidiaries and its authorized distributors are hereby offered for sale at prices to be established by Parker Hannifin Corporation, its subsidiaries and its authorized distributors. This offer and its acceptance by any customer ("Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any such item, when communicated to Parker Hannifin Corporation, its subsidiary or an authorized distributor ("Seller") verbally or in writing, shall constitute acceptance of this offer.

1. Terms and Conditions of Sale: All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein. Buyer's acceptance of any offer to sell is limited to these terms and conditions. Any terms or conditions in addition to, or inconsistent with those stated herein, proposed by Buyer in any acceptance of an offer by Seller, are hereby objected to. No such additional, different or inconsistent terms and conditions shall become part of the contract between Buyer and Seller unless expressly accepted in writing by Seller. Seller's acceptance of any offer to purchase by Buyer is expressly conditional upon Buyer's assent to all the terms and conditions stated herein, including any terms in addition to, or inconsistent with those contained in Buyer's offer. Acceptance of Seller's products shall in all events constitute such assent.

2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold thereunder shall be free from defects in material or workmanship for a period of 365 days from the date of shipment to Buyer, or 2,000 hours of use, whichever expires first. **THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GAURANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTIBILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED.**
NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLELY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.

5. Limitation Of Remedy: SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS CONTRACT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ITEMS SOLD OR REFUND OF THE PURCHASE PRICE PAID BY BUYER, AT SELLER'S SOLE OPTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR ITEMS SOLD HEREUNDER, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY.

6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold herunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.

7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

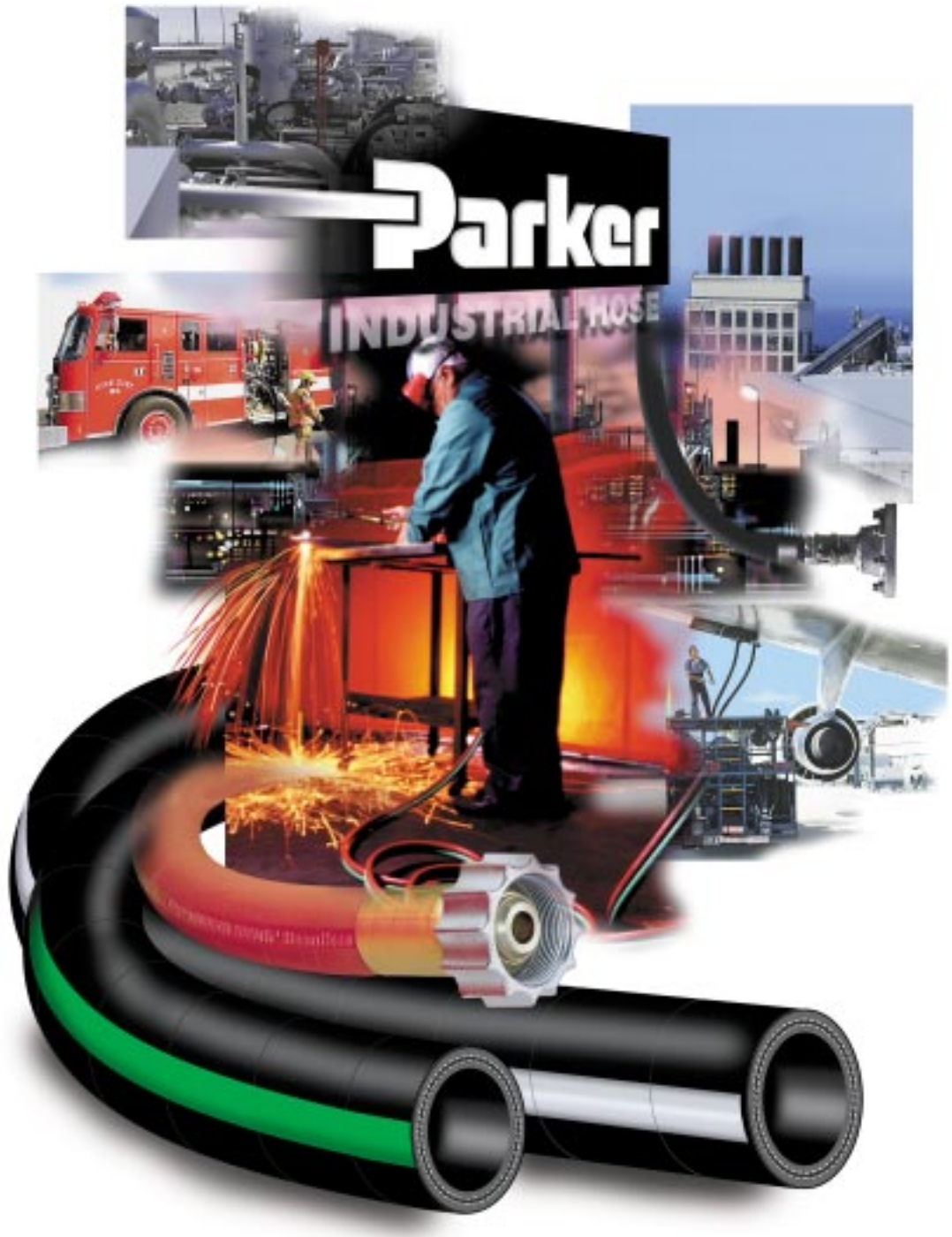
9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller of if Seller is liable for the collection of such tax, the amount thereof shall be in additon to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets (hereinafter "Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes in the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and options, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such item infriges any patent, trademark, copyright, trade dress, trade secret or any similiar right.

11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.


Parker
INDUSTRIAL HOSE

MAPP® REGISTERED TRADEMARK AIRCO/BOC CORPORATION (USA) and CANADIAN LIQUID AIR LTD. (Canada)
LASSO® REGISTERED TRADEMARK MONSANTO CORPORATION
VITON,® HYPALON® and TEFLON® REGISTERED TRADEMARKS DUPONT DOW CORPORATION
NOMEX® REGISTERED TRADEMARK OF DUPONT DOW CORPORATION

INDUSTRIAL HOSE & COUPLINGS
Index by Series

CONTENTS

READ THIS PAGE BEFORE USING ANY OF THE INFORMATION IN THIS CATALOG

This catalog is a guide in selecting the proper hose for the applications listed herein. It contains many cautions, warnings, guidelines and directions for the safe and proper use of Parker Hose. All of these guidelines should be clearly understood before specifying or using any hoses.

⚠ WARNING – SAFETY NOTE

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 to perform properly and may result in damage to property and serious bodily injury. Make sure that hose selected for any application is recommended for that service. Application information is given with each hose or coupling listing in the 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.

In any application, there may be inherent risk of bodily injury or property damage and the user is responsible for implementation of adequate safety precautions. It is the responsibility of the person supplying the hose to advise the user of proper instructions for the safe use and/or precautions and to warn the user of consequences of failure to heed such instruction. Should a hose assembly fail during use because of excessive pressure, injurious and/or damaging chemicals, elevated temperature materials, explosives or flammable materials, then serious bodily injury or destruction of property could result from impelled couplings, whipping hose, high pressure or high velocity discharge, chemical contact, high temperature materials, explosion or fire.

Coupled Assemblies: In this catalog Parker lists the recommended working pressures and safety factors for each type and size of Parker Industrial Hose. The choice of coupling style and the attachment method must be capable of achieving the rated burst pressure of the hose. If the burst capability of the coupled assembly is less than that of the hose, the recommended working pressure of the assembly must be reduced proportionately to maintain the safety factor recommended for the hose. For example:

Hose A: Catalog rating = 250 PSI WP, 4:1 Safety Factor = 1000 PSI Minimum burst.
Assembly using Hose A: Capable of 800 PSI burst. Divide by 4 (safety factor) = 200 PSI WP rating for the assembly.

All design and dimensional data shown in this publication is subject to change without notice. Working pressures, corrosion data and other technical information have been prepared from actual test results and other data considered to be reliable. However, no responsibility can be assumed for the accuracy of this information under varied field conditions and it should be considered as a recommendation only and not a guarantee.

CHEMICAL HOSE

WARNING ⚠ : A failure of chemical hose in service can result in injury to personnel or damage to property. All chemical hose manufacturers recommend specific hose constructions to handle various chemicals. THE MANUFACTURER SHALL BE CONSULTED TO DETERMINE THAT PARTICULAR HOSE MAY BE USED TO HANDLE A SPECIFIC CHEMICAL.

Do not use chemical hose at temperatures or pressures above those recommended by the manufacturer. All operators must be thoroughly trained in the care and use of this hose and must, at all times, wear protective clothing. A hose or system failure could cause the release of a poisonous, corrosive or flammable material.

Detailed information concerning storage, care and maintenance may be found in the Hose Handbook published by the Rubber Manufacturer's Association, 1400 K Street, NW, Washington, DC 20005 and in SAE Recommended Practices J1273.

IMPORTANT
Parker recommends only those applications of products specified in Parker product literature. Parker disclaims any liability for use of its products in applications other than those for which they were designed.

INDUSTRIAL HOSE SERVICE LIFE

All rubber products, including Industrial Hose, have a limited life on a given application. Assuming the correct hose has been selected for the application, this service life can be adversely affected by many variable conditions. The major ones are:

- Exposure to severe external abuse, such as kinking, bending, high end pull, crushing or abrasion.
- Exposure to higher-than-rated working pressures or to high surge pressures.
- Exposure to higher-than-rated temperatures.
- Misapplication or exposure to corrosive fluids or gases outside the range of suitable applications.

1. **External abuse** – Hoses should be placed where they will not be run over by equipment or subjected to high end pull. Hoses should not be bent below recommended minimum bend radius. This could result in kinking the hose or reducing its pressure resistance. Large diameter hoses also may require additional support to reduce external abuse.

2. **Hose & System Pressures** – In establishing and determining pressures related to hose and the systems to which they are applied, it is necessary to consider separately the characteristics of the hose and the system.

   The system (or device or application) can have several pressures depending on pressure sources and surges imposed by the operator or mechanical components.

   A given hose has a fixed characteristic with respect to the pressure it can withstand (and how it is applied) and still give satisfactory life.

3. **High Temperatures** – High temperatures can degrade rubber stocks very quickly, resulting in short service life.

   Where external temperatures are higher than normal ambient, contact Parker/Dayco Products, Inc. for recommendations.

4. **Misapplication** – All Industrial Hoses are designed for a specific or related application. They should not be used for any other application without first contacting Parker/Dayco for recommendations.

5. **Internal Abrasion** – For applications of a highly abrasive nature where the hose makes one or more bends, hose should be rotated 90˚ periodically to lengthen service life.

The hose manufacturer established, through design and testing, the recommended rated working pressure for the hose. It is the responsibility of the user to accurately determine the system pressure. Steady state pressure can be measured readily by gauges. Surges are difficult to measure and may require the use of electronic pressure sensing devices. Also, surge values depend on so many variables that a series of tests are usually required to obtain a valid set of readings. However, if there are extreme surges in the normal operation, or if there is the likelihood of abnormal operation of the system, the magnitude of these pressures must be determined.

Considering the recommended rated working pressure of the HOSE ASSEMBLY and the various pressures of the SYSTEM, the hose is matched to the system using proper application engineering principles.

WARRANTY
LIMITED WARRANTY FOR THE LIFE OF THE MERCHANDISE

Merchandise is warranted to be free from defects in material or workmanship for the life of the merchandise. Parker/Dayco will, at its option, replace or repair any merchandise proved defective in material or workmanship, or both, during the warranty period. This is the exclusive remedy.
For warranty service, please contact Parker Industrial Hose Division, 17295 Foltz Industrial Parkway, Cleveland, OH 44136.

THERE IS NO OTHER EXPRESS WARRANTY, IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE EXPRESS WARRANTY PERIOD. LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT EXCLUSION PERMITTED BY LAW. Some states do not allow the exclusion or limitation of incidental or consequential damages, and some states do not allow limitation on how long an implied warranty lasts, so the above limitation and exclusion may not apply to you. The warranty gives you specific legal rights and you may also have other rights which vary from state to state.

How To Select a Hose

Several things must be known before the proper hose can be selected for any hose application. The acronym STAMPED can be the key to having the required information in most cases.

SIZE – The appropriate inside and outside diameters and length of the hose should be determined.

TEMPERATURE – The maximum temperature of the material being conveyed.

APPLICATION – External conditions including abrasion, climate, heat, flexing, crushing, kinking and degrees of bending.

MATERIAL – The composition of the substance being conveyed and compatibility with the hose.

PRESSURE – The maximum pressure of the system, including pressure spikes.

ENDS – The appropriate end connections at attachment method for the application.

DELIVERY – Testing, quality, packaging and delivery requirements.

Complicated applications or an application requiring special made-to-order hose may require more detailed information. For those occasions, a detailed list of information needed is provided in the MTO or Made-To-Order section.

Catalog Selection

To find the Parker Hose to fit the requirements:

A. If you know the Parker series number, find the page number in the “Index by Series” on page 3.
B. If Parker series number is unknown, see the Table of Contents on pages 4-5. It is, like the catalog, divided into various application categories.
C. If you can’t find the right hose or, have special requirements, call Parker’s Customer Satisfaction Center at 1-800-283- 2926.

The hose listings in this catalog give the detailed information necessary to select the correct hose for most applications. You will also find the general reference information in the Safety and Technical Data section. The hose listings include recommended coupling styles. Couplings are listed in a separate section beginning on page 139.

Glossary of Abbreviated Terms Used in Hose Listings:

I.D. — Inside Diameter of hose tube opening.
Ply, Spirals, or Braid – Layers of reinforcement.
O.D. — Outside Diameter of hose.
Approx. Wt. Per 100 ft. — Weight of hose, normally listed as pounds per 100 foot length.
Min. Bend Radius (in) — Minimum Radius to which hose can be bent before sustaining damage or reduced life.
Max. Recom. WP (PSI) — Maximum Recommended Working Pressure expressed in Pounds per Square Inch.
Min. Burst (PSI) — Minimum Burst Pressure expressed in Pounds per Square Inch, which is the lowest pressure at which the hose is designed to burst under prescribed conditions. Not to be used as working pressure

Acid & Chemical

POLY-CHEM®
Corrugated Hose
Series 7274

The Poly-Chem hose is designed to handle many types of chemicals and solvents in both **full suction and discharge applications.** This series has a corrugated cover that provides maximum flexibility for easy handling. The clear cross-linked polyethylene tube will handle many types of chemicals, acids and solvents without leaching and contaminating the product conveyed. Refer to the chemical guide in the Safety and Technical Data section of this catalog, or contact Parker/Dayco to determine compatibility with specific chemicals and applications.
4:1 Design factor

Tube: Cross-Linked Polyethylene (XLPE)
Cover: Corrugated green EPDM with yellow stripe
Reinforcement: Textile Plies with Helix Wire
Temp. Range: -20˚ F to +160˚ F (**WARNING!** Check chemical temperature & concentration)
Branding: PARKER/DAYCO SERIES 7274 CORRUGATED POLY-CHEM® XXX PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - Yellow stripe with green letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7274-1002	1	25.4	2	1.475	38.6	64	3.0	200
7274-1252	1 1/4	31.8	2	1.710	43.4	63	4.0	200
7274-1502	1 1/2	38.0	2	2.000	50.8	81	5.0	200
7274-2002	2	50.8	2	2.545	64.6	111	6.0	200
7274-2504	2 1/2	63.5	4	3.169	80.5	168	7.0	150
7274-3002	3	76.2	4	3.685	93.6	213	7.0	150
7274-4002	4	101.6	4	4.710	119.6	286	8.0	150

LENGTHS: 100 ft., lengths up to 200 ft. available on quotation.
COUPLINGS: Coupling style 7, 8, 10, 11, 14, 15, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

POLY-CHEM® Hose
Series 7276

POLY-CHEM® is a versatile hose handling many types of chemicals and solvents in both **full suction and discharge applications.** Clear, cross-linked polyethylene tube will not leach and contaminate product conveyed. Refer to the chemical guide in the Safety and Technical Data section of this catalog, or contact Parker/Dayco to determine compatibility with specific chemicals and applications. 4:1 Design factor

Tube: Cross-Linked Polyethylene (XLPE)
Cover: Green EPDM with yellow stripe
Reinforcement: Textile Plies with Helix Wire
Temp. Range: -20˚ F to +160˚ F (**WARNING!** Check chemical temperature & concentration)

Branding: PARKER/DAYCO SERIES 7276 POLY-CHEM® HOSE XXX PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - Yellow stripe with green letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7276-752	3/4	19.1	2	1.250	31.8	48	3.0	200
7276-1002	1	25.4	2	1.475	37.5	60	4.0	200
7276-1252	1 1/4	31.8	2	1.715	43.6	69	5.0	200
7276-1502	1 1/2	38.0	2	2.000	50.8	97	6.0	200
7276-2002	2	50.8	2	2.545	64.6	133	8.0	200
7276-3002	3	76.2	4	3.675	93.3	259	12.0	150
7276-4002	4	101.6	4	4.720	119.9	357	16.0	150
7276-6004	6	152.4	4	6.913	175.6	773	40.0	150

LENGTHS: 100 ft., lengths up to 200 ft. available on quotation.
COUPLINGS: Coupling style 7, 8, 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

BLUE THUNDER™ UHMW Hose
Series 7373T

WARNING! Elevated temperatures can change chemical resistance ratings. Most chemical resistance guides are based on testing performed at ambient/70°F (21°C) and higher temperatures are likely to change these ratings. Many chemicals will become more agressive as temperatures increase, reducing the ability of materials to withstand them. It is the users responsibility to determine if the hose is compatible with the application. Compatibility information can be requested from Parker/Dayco for chemicals at elevated temperatures, it will be necessary for users to perform compatibility testing if no data exists for the chemical at the temperature desired.

Also, coupling attachment becomes even more critical at elevated temperatures. Only permanent crimp, internal expanded or swage style fittings should be installed for applications with temperatures above 125°F. The working pressure of banded assemblies below 125°F should be reduced to maintain a 4:1 design factor based on the assembly burst capability.

This corrugated hose provides flexibility and durability in chemical **full suction and discharge applications.** The clear Ultra High Molecular Weight (UHMW) polyethylene tube will handle 98% of the most common chemicals without leaching and contaminating the product being conveyed. Refer to the chemical guide in the Safety and Technical Data section of this catalog, or contact Parker/Dayco to determine compatibility with chemicals and applications.
4:1 Design factor

Tube:	Clear Ultra High Molecular Weight Polyethylene (UHMW)
Cover:	Corrugated Blue EPDM
Reinforcement:	Textile Plies with Helix Wire
Temp. Range:	-40˚ F to +250˚ F (**WARNING!** Check chemical temperature & concentration)
Branding:	PARKER/DAYCO SERIES 7373 BLUE THUNDER™ UHMW TUBE MAX WP XXX PSI MADE IN USA 001
Brand Description:	Tape Brand - Yellow ink lettering

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7373T-1000	1	25.4	2	1.475	37.5	61	3.0	200
7373T-1250	1 1/4	31.8	2	1.700	43.2	65	4.0	200
7373T-1500	1 1/2	38.0	2	1.965	49.9	83	5.0	200
7373T-2000	2	50.8	4	2.600	66.0	139	6.0	200
7373T-3000	3	76.2	4	3.645	92.6	218	7.0	200
7373T-4000	4	101.6	4	4.675	118.7	309	8.0	150

LENGTHS: 100 ft., lengths up to 200 ft. on quotation.

COUPLINGS: Coupling style 7, 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

Paint Fluid Hose

Nylon Tube
Series 7108

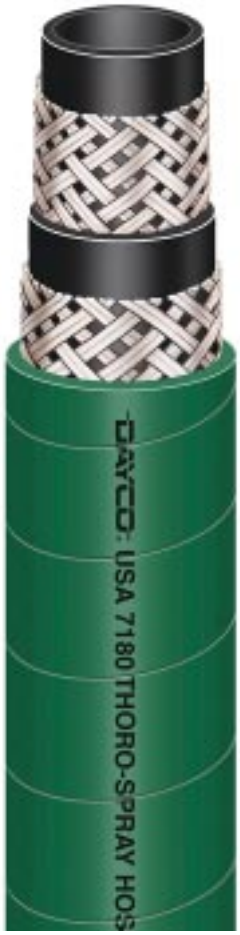
Designed to handle both water and oil based paints in medium pressure applications. The Nylon 6 tube will handle ketone solvents, lacquers, thinners and paints with high aromatics, as well as many chemicals. Very flexible for ease of handling.
4:1 Design factor
WARNING! Do not use in high pressure paint spray applications requiring a statically conductive hose.

Tube: Nylon 6/6.6
Cover: Black Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: 0˚ F to +200˚ F
Branding: PARKER/DAYCO SERIES 7108 PAINT FLUID HOSE 3/8 ID (9.5MM) XXX PSI MAX WP MADE IN USA (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7108-251	1/4	6.4	2	0.488	12.4	9	3.0	500
7108-381	3/8	9.5	2	0.680	17.3	16	4.0	500
7108-501	1/2	12.7	2	0.875	22.2	25	5.0	750

LENGTHS: Random lengths on nominal 500 ft. reels, 3 piece max., 50 ft. minimum length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

THORO-SPRAY®
High Pressure Spray Hose – 800 PSI
Series 7180



Designed for agricultural and residential high pressure spray applications. The tube will handle most pesticides as well as liquid fertilizers. The cover is non-marking for safe use in residential areas.
4:1 Design factor

Tube: Black Nitrile
Cover: Green Nitrile/PVC
Reinforcement: Multiple textile braids
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7180 THORO-SPRAY® HOSE - 800 PSI MAX WP
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7180-252	1/4	6.4	2	0.625	15.9	15	3.0	800
7180-382	3/8	9.5	2	0.750	19.1	20	4.0	800
7180-502	1/2	12.7	2	0.938	23.8	29	5.0	800
7180-752	3/4	19.1	2	1.250	31.8	48	6.5	800

LENGTHS: Random lengths on nominal 500 ft. reels, 5 piece maximum.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Anhydrous Ammonia Hose

Series 7261–Stainless Steel Reinforced

WARNING! For Anhydrous Ammonia use ONLY. Do not use in LP Gas, Natural Gas or refrigeration applications. Do not use male swivel couplings. Use Parker recommended couplings ONLY!

WARNING! Contact with Anhydrous Ammonia will burn skin and is especially damaging to the eyes and lungs. This is true for its liquid and gaseous (vapor) state. Many accidents involving NH3 have occurred by using the wrong hose. NH3 hose must be specially compounded and constructed to handle the material. NEVER use a hose that is not designed for NH3 because it may fail very quickly and cause bodily injury. It is, therefore, especially important to make sure that only Anhydrous Ammonia hose is recommended and used for this service. Refer to RMA Publications IP-14 "Anhydrous Ammonia Hose, specifications" and IP-11-2 "Anhydrous Ammonia Hose, Manual for Maintenance, Testing and Inspection".

Designed to handle anhydrous ammonia up to 350 PSI working pressure.
Corrosion resistant high tensile stainless steel braid provides strong and flexible reinforcement.
Meets or exceeds RMA specifications.
Made to order only.
5:1 Design factor

Tube:		Black EPDM
Cover:		Perforated Black EPDM w/silver stripe
Reinforcement:		One or multiple stainless steel braids, 1 textile braid
Temp. Range:		-40˚ F to +180˚ F
Branding:	(Side 1)	PARKER/DAYCO USA 7261 SS ANHYDROUS AMMONIA-2003-REMOVE NO LATER THAN 2010-350 PSI MAX WP RMA(BATCH CODE)-CAUTION ANHYDROUS AMMONIA USE ONLY-2003-REMOVE NO LATER THAN 2010
	(Side 2)	Solid silver stripe
Brand Description:		Side 1 - embossed, Side 2 - tape

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7261-1001	1	25.4	1	1.500	38.1	78	12.0	350
7261-1251	1 1/4	31.8	1	1.781	45.2	105	16.5	350
7261-1501K	1 1/2	38.1	1	2.032	51.6	114	20.0	350
7261-2002K	2	50.8	2	2.625	66.7	177	25.0	350

AVAILABILITY: Made-to-order and subject to minimum runs.
Sold to authorized couplers only.

LENGTHS: 1 in., 200 ft. nom. +/- 10%; 3 pcs. max., 45 ft. min. – 1-1/4 in., random 45 through 100 ft., 1 pc. per carton – 1-1/2 in. and 2 in. random lenghts, 150 ft. pack, max. 3 pieces, 40 ft. min. length – in cartons.

COUPLINGS: **Only** Parker/Dayco permanent crimped couplings (refer to Parker/Dayco Industrial Hose Crimp Specifications). See Coupling Style Pages in the back of the catalog for coupling details.

Anhydrous Ammonia Hose
Series 7262–Nylon Reinforced

WARNING! For Anhydrous Ammonia use ONLY. Do not use in LP Gas, Natural Gas or refrigeration applications. Do not use male swivel couplings. Use Parker recommended couplings ONLY!

WARNING! Contact with Anhydrous Ammonia will burn skin and is especially damaging to the eyes and lungs. This is true for its liquid and gaseous (vapor) state. Many accidents involving NH3 have occurred by using the wrong hose. NH3 hose must be specially compounded and constructed to handle the material. NEVER use a hose that is not designed for NH3 because it may fail very quickly and cause bodily injury. It is, therefore, especially important to make sure that only Anhydrous Ammonia hose is recommended and used for this service. Refer to RMA Publications IP-14 "Anhydrous Ammonia Hose, specifications" and IP-11-2 "Anhydrous Ammonia Hose, Manual for Maintenance, Testing and Inspection".

Designed to handle anhydrous ammonia up to 350 PSI working pressure.
Degradation resistant tensile braids provide strong and flexible reinforcement.
Meets or exceeds RMA and TFI (The Fertilizer Institute) specifications.
Made to order only.
5:1 Design factor

Tube: Black EPDM
Cover: Perforated Black EPDM w/green stripe
Reinforcement: Multiple nylon braids.
Temp.Range: -40˚ F to + 180˚ F
Branding: (Side 1) PARKER/DAYCO USA 7262 NYLON ANHYDROUS AMMONIA-2003-REMOVE NO LATER THAN 2009-350 PSI MAX WP RMA (BATCH CODE) CAUTION ANHYDROUS AMMONIA USE ONLY-2003-REMOVE NO LATER THAN 2009
(Side 2) Solid Green Stripe
Brand Description: Side 1 - Embossed, Side 2 - tape

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7262-502	1/2	12.7	2	0.937	23.8	29	5.0	350
7262-752	3/4	19.1	2	1.250	31.8	47	8.0	350
7262-1002	1	25.4	2	1.500	38.1	57	10.0	350
7262-1252	1 1/4	31.8	2	1.750	44.5	68	12.0	350
7262-1502K	1 1/2	38.1	2	2.000	50.8	81	14.0	350
7262-2003K	2	50.8	3	2.750	69.9	166	16.0	350

AVAILABILITY: Made-to-order and subject to minimum runs.
Sold to authorized couplers only.
LENGTHS: 1/2 in. through 1 in., random lengths on reels, 5 pc. max., 50 ft. min. – 1-1/4 in., random 45 through 100 ft., 1-1/2 in. and 2 in. random lenghts in 150 ft. pack, max. 3 pieces, 40 ft. min. length – in cartons.
COUPLINGS: **Only** Parker/Dayco permanent crimped couplings (refer to Parker/Dayco Industrial Hose Crimp Specifications). See Coupling Style Pages in the back of the catalog for coupling details.

Acid & Chemical

Air & Multi-Purpose

GST® II
General Service Air & Water Hose

Series **7031–GREEN** **7093–BLACK**
7057–BLUE **7096–YELLOW**
7092–BR. RED

An economical and versatile general purpose hose, which is excellent for air & water service as well as many agricultural chemicals including LASSO® herbicide. The EPDM tube and cover resists heat, sunlight, ozone and weathering. The GST II hose exceeds RMA class C medium oil resistance requirements. Suitable for applications such as oil mist lubricating air lines, but NOT suitable for the transfer of petroleum products. Closely plied reinforcement of high tensile textile cord provides excellent coupling retention and kink resistance.
4:1 Design factor

Tube: Black EPDM
Cover: EPDM - colors referenced above
Reinforcement: Multiple textile spirals
Temp. Range: -40° F to +212° F
Branding Example: PARKER/DAYCO SERIES 7031 GST® II I.D. (IN & MM)
XXX PSI MAX WP MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-19200	3/16	4.8	2	0.437	11.1	6	2.0	200
-19300	3/16	4.8	2	0.437	11.1	8	2.0	300
-25200	1/4	6.4	2	0.500	12.7	9	2.5	200
-2520050	1/4	6.4	2	0.500	12.7	9	2.5	200
-25300	1/4	6.4	2	0.550	14.0	12	3.3	300
-2530050	1/4	6.4	2	0.550	14.0	12	3.3	300
-31200	5/16	7.9	2	0.594	15.1	13	3.3	200
-3120050	5/16	7.9	2	0.594	15.1	13	3.3	200
-31300	5/16	7.9	2	0.625	15.9	13	3.5	300
-3130050	5/16	7.9	2	0.625	15.9	13	3.5	300
-38200	3/8	9.5	2	0.656	16.7	14	3.5	200
-3820050	3/8	9.5	2	0.656	16.7	14	3.5	200
-38300	3/8	9.5	2	0.688	17.5	17	4.0	300
-3830050	3/8	9.5	2	0.688	17.5	17	4.0	300
-50200	1/2	12.7	2	0.813	20.7	21	4.5	200
-5020050	1/2	12.7	2	0.813	20.7	21	4.5	200
-50250*	1/2	12.7	2	0.844	21.4	23	4.5	250
-5025050	1/2	12.7	2	0.844	21.4	23	4.5	250
-50304	1/2	12.7	4	0.875	22.2	25	5.0	300
-5030450	1/2	12.7	4	0.875	22.2	25	5.0	300
-63200	5/8	15.9	2	0.969	24.6	24	5.5	200
-6320050	5/8	15.9	2	0.969	24.6	24	5.5	200
-63304	5/8	15.9	4	1.062	27.0	30	5.5	300
-6330450	5/8	15.9	4	1.062	27.0	30	5.5	300
-75200	3/4	19.1	2	1.109	28.2	32	6.0	200
-7520050	3/4	19.1	2	1.109	28.2	32	6.0	200
-75304*†	3/4	19.1	4	1.156	29.4	37	6.0	300
-7530450*†	3/4	19.1	4	1.156	29.4	37	6.0	300
-100200	1	25.4	2	1.406	35.7	44	7.0	200
-10020050	1	25.4	2	1.406	35.7	44	7.0	200
-100304	1	25.4	4	1.438	36.5	53	8.0	300
-10030450	1	25.4	4	1.438	36.5	53	8.0	300
-125204	1-1/4	31.75	4	1.781	45.2	77	9.0	200
-150204	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-15020450	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-150204100	1-1/2	38.1	4	2.031	51.6	86	10.0	200

LENGTHS: Exact length reels (+50 ft./-0 ft.), 90% 1 pc., 10% 2 pc. - 50 ft. min. length. 50 ft. cut lengths are coiled and tied in pallet boxes.
*Sizes stocked in green and blue
†Sizes stocked in yellow
Contact Parker or check Price Schedule for availability.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Service Station Air Hose

Series 7092 - RED
Series 7093 - BLACK

The EPDM tube and cover provides excellent heat, weather and ozone resistance. Reinforced with high tensile textile reinforcement that provides excellent coupling retention and kink resistance.
4:1 Design factor

Part No.	ID (in.)	Max Rec. WP (PSI)	Approx. Length Ft.	Male Thread Size (in.)	Weight (lbs.)	Color	Lengths per Carton
7092RKH-300	1/4	300	25	1/4	3	red	10
7092RKH-600	1/4	300	50	1/4	6	red	5
7092RLB-300	3/8	300	25	3/8	4	red	10
7092RLB-600	3/8	300	50	3/8	8	red	5
7092RMA-300	3/8	200	25	1/4	4	red	10
7092RMA-600	3/8	200	50	1/4	8	red	5
7092RLC-300	3/8	300	25	1/4	4	red	10
7092RLC-600	3/8	300	50	1/4	8	red	5
7093RKH-300	1/4	300	25	1/4	3	black	10
7093RKH-600	1/4	300	50	1/4	6	black	5
7093RLB-300	3/8	300	25	3/8	4	black	10
7093RLB-600	3/8	300	50	3/8	8	black	5
7093RMA-300	3/8	200	25	1/4	4	black	10
7093RMA-600	3/8	200	50	1/4	8	black	5
7093RLC-300	3/8	300	25	1/4	4	black	10
7093RLC-600	3/8	300	50	1/4	8	black	5

Service Station Air Hose Assemblies
Coupled Lengths Crimped Male & Male Brass NPT

Display Assemblies – Coiled w/ Cardboard Discs w/ Art – Coupled Lengths
Crimped Male X Male Brass

Part No.	ID (in.)	Max Rec. WP (PSI)	Approx. Length Ft.	Male Thread Size (in.)	Weight (lbs.)	Color	Lengths per Carton
7092253-KAB	1/4	300	25	1/4	3	red	10
7092253-KAA	1/4	300	50	1/4	6	red	5
7092383-KAB	3/8	300	25	1/4	4	red	10
7092383-KAA	3/8	300	50	1/4	8	red	5
7093253-KAA	1/4	300	50	1/4	6	black	5
7093383-KAA	3/8	300	50	1/4	8	black	5

MPT® II
Multi-Purpose–Oil Resistant
Air & Water Hose - Non-Conductive
Series 7094 (Red) Series 7095 (Black)

MPT® II is a premium high quality, economical, multi-purpose hose that is oil resistant, excellent for air and water service and many chemicals. Closely plied reinforcement of high tensile textile cord provides excellent coupling retention and kink resistance. The hose is electrically non-conductive with a minimum resistance of one megohm per inch at 1000 volts DC. MPT II hose exceeds RMA Class A-High Oil Resistance requirements.
4:1 Design factor
Note: Do not use for hot dry air applications.

Tube:	Black Nitrile
Cover:	Red or Black Neoprene
Reinforcement:	Multiple textile spirals
Temp. Range:	-20˚ F to +212˚ F
Branding:	PARKER/DAYCO SERIES 7094 MPT® II 3/16 ID (4.8 MM) XXX PSI MAX WP MADE IN USA - ELECTRICALLY NON-CONDUCTIVE
Brand Description:	Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-19200	3/16	4.8	2	0.437	11.1	5	1.8	200
-19300	3/16	4.8	2	0.437	11.1	5	1.8	300
-25200	1/4	6.4	2	0.500	12.7	9	2.0	200
-2520050*	1/4	6.4	2	0.500	12.7	9	2.0	200
-25300	1/4	6.4	2	0.550	14.0	12	2.5	300
-2530050*	1/4	6.4	2	0.550	14.0	12	2.5	300
-31200*	5/16	7.9	2	0.594	15.1	13	3.0	200
-3120050*	5/16	7.9	2	0.594	15.1	13	3.0	200
-31300	5/16	7.9	2	0.594	15.1	13	3.3	300
-3130050*	5/16	7.9	2	0.594	15.1	13	3.3	300
-38200	3/8	9.5	2	0.656	16.7	15	3.8	200
-3820050*	3/8	9.5	2	0.656	16.7	15	3.8	200
-38300	3/8	9.5	2	0.688	17.5	17	3.8	300
-3830050	3/8	9.5	2	0.688	17.5	17	3.8	300
-50200	1/2	12.7	2	0.813	20.7	21	5.0	200
-5020050*	1/2	12.7	2	0.813	20.7	21	5.0	200
-50250	1/2	12.7	2	0.844	21.4	22	5.0	250
-5025050*	1/2	12.7	2	0.844	21.4	22	5.0	250
-50304	1/2	12.7	4	0.875	22.2	26	5.0	300
-5030450	1/2	12.7	4	0.875	22.2	26	5.0	300
-63200*	5/8	15.9	2	0.969	24.6	36	5.5	200
-6320050*	5/8	15.9	2	0.969	24.6	36	5.5	200
-63304	5/8	15.9	4	1.062	27.0	37	6.1	300
-6330450*	5/8	15.9	4	1.062	27.0	37	6.1	300
-75200	3/4	19.1	2	1.109	28.2	34	7.5	200
-7520050*	3/4	19.1	2	1.109	28.2	34	7.5	200
-75304	3/4	19.1	4	1.156	29.4	39	6.0	300
-7530450	3/4	19.1	4	1.156	29.4	39	6.0	300
-100200	1	25.4	2	1.406	35.7	50	10.0	200
-10020050*	1	25.4	2	1.406	35.7	50	10.0	200
-100304	1	25.4	4	1.438	36.5	54	8.0	300
-10030450*	1	25.4	4	1.438	36.5	54	8.0	300
-125204	1-1/4	31.75	4	1.781	45.2	77	9.0	200
-150204	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-15020450**	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-150204100*	1-1/2	38.1	4	2.031	51.6	86	10.0	200

AVAILABILITY: * non-stock **stock in red cover only
LENGTHS: I.D. sizes 3/16 in. through 1 in. are 90% 1 piece, 10% 2 piece-50 ft. min. length. (Total footage on reels is +50 ft./-0 ft. of length shown). 1-1/4 in. and 1-1/2 in. sizes are 70% 1 piece, 30% 2 piece, min. length 50 ft.. Total reel quantity is
I.D. ±10%
COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

SUPER-FLEX® GS General Service Air & Water Hose

Series 7322 - RED – Series 7323 - BLACK

A superior quality general service air and water hose that is a rigid mandrel construction, which produces a TRUE round, concentric hose. Superior adhesion of the hose layers provides endurance in tough applications. All of this added with SUPER flexibility for easier handling. Rated for medium oil resistance for oil mist lubricated air lines; meets RMA class C medium oil resistance, per ASTM D-471. 4:1 Design factor

Tube: Black EPDM
Cover: Black or Red EPDM
Reinforcement: Textile plies
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7322 SUPER-FLEX® GS 1-1/4 ID 200 PSI MAX WP GENERAL SERVICE MADE IN USA
Brand Description: Tape Brand - White letters

Part No.	Pkg.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-125200	200’	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-12520050	50’	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-125200100	100’	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-125200A	reel	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-150200	200’	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-15020050	50’	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-150200100	100’	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-150200A	reel	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-200200	200’	2	50.8	4	2.568	65.2	123	12.0	200
-202050	50’	2	50.8	4	2.568	65.2	123	12.0	200
-20200100	100’	2	50.8	4	2.568	65.2	123	12.0	200

LENGTHS: 50 ft., 100 ft., 200 ft. coils, tied and plastic “tire” wrapped. Reels are 2 pieces, 200 ft. each. No cutting of stock hose. Contact Customer Service for quotation on special hose from factory.

COUPLINGS: Coupling style 2, 3, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple and bands reduces the working pressure of the assembly to less than the hose’s max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

SUPER MPT Hose

Series 7396 - RED – Series 7397 - BLACK

A premium oil resistant multi-purpose hose that is a rigid mandrel construction, which produces a TRUE round, concentric hose. Superior adhesion of the hose layers provides endurance in tough applications. All of this added with SUPER flexibility for easier handling. The tube is rated for RMA Class A-High Oil Resistance. The hose is electrically non-conductive with a minimum resistance of one megohm per inch at 1000 volts DC.
4:1 Design factor

Tube: Black Nitrile Rubber
Cover: Black or Red Nitrile/PVC
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7396 SUPER MPT MULTI-PURPOSE HOSE XXX PSI MAX WP ELECTRICALLY NON-CONDUCTIVE MADE IN USA
Brand Description: Tape Brand - White letters

Part No.	Pkg.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-125200200	200’	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-12520050	50’	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-125200100	100’	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-125200A	reel	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-150200200	200’	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-15020050	50’	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-150200100	100’	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-150200A	reel	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-200200200	200’	2	50.8	4	2.568	65.2	122	12.0	200
-20020050	50’	2	50.8	4	2.568	65.2	122	12.0	200
-200200100	100’	2	50.8	4	2.568	65.2	122	12.0	200
-125300200	200’	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-12530050	50’	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-125300100	100’	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-125300A	reel	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-150300200	200’	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-15030050	50’	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-150300100	100’	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-150300A	reel	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-200300200	200’	2	50.8	4	2.600	66.0	129	12.0	300
-20030050	50’	2	50.8	4	2.600	66.0	129	12.0	300
-200300100	100’	2	50.8	4	2.600	66.0	129	12.0	300

LENGTHS: 50 ft., 100 ft., 200 ft. and reels, all sizes except 2 in. is not available on reels. Reels have two 200 ft. lengths per reel.

COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose’s max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

JIFFY® HOSE Air Hose - MSHA

Series 7212

This oil resistant hose is excellent for use with air tools, to convey water, mild chemicals and various petroleum products. Light, flexible and couples in a jiffy - no clamps or special tools needed. Special braid angle for quick and secure push-on coupling retention. Available in various colors for color coding line. Flame resistant cover is branded with MSHA approval number.
4:1 Design factor

Tube: Black Nitrile
Cover: Black, blue, gray, green or red Neoprene
Reinforcement: One textile braid
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO 7212 JIFFY® HOSE PUSH-ON 1/4 in. ID 300 PSI MAX WP MSHA# MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - White or black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7212-251*	1/4	6.4	1	0.500	12.7	9	3.0	300
7212-381*	3/8	9.5	1	0.625	15.9	12	3.0	300
7212-501*	1/2	12.7	1	0.750	19.1	15	5.0	300
7212-631*	5/8	15.9	1	0.906	23.0	20	6.0	300
7212-751*	3/4	19.1	1	1.031	26.2	26	7.0	300

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft., 5 pieces max. with 50 ft. minimum length.
COUPLINGS: Coupling style 8, 9, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Couplings Style Pages in the back of the catalog for coupling details.

*Note: Add BK (black), BL (blue), GY (gray), GN (green) or RD (red) to complete part number.

JIFFY FLEX™ 250
250 PSI Push-On Hose - Spiral
Series 7161

A non-conductive spiral construction combined with oil-resistant materials make JIFFY FLEX an excellent choice in applications for air tools and petroleum products, as well as other applications requiring conveyance of mild chemicals or water where a light, flexible hose is needed. Push-On couplings insert easily and hold tightly. No clamps or special tools are needed. Available in various colors for easy identification in color-coded applications. Flame resistant cover is MSHA approved and branded with an MSHA approval number.
4:1 Design factor

Tube: Black Nitrile
Cover: Neoprene
Reinforcement: Multiple Textile Spirals
Temp. Range: -20° F to +180° F
Electrical Properties: Non-conductive with a minimum resistance one megohm per inch at 1000 volts DC.
Branding Example: PARKER/DAYCO 7161 JIFFY FLEX™ 250 PUSH-ON HOSE 1/4 in. ID 250 PSI MAX WP MSHA# ELECTRICALLY NON-CONDUCTIVE MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - Various letter colors

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-25250	1/4	6.35	2	0.520	13.21	10	3.0	250
-38250	3/8	9.53	2	0.650	16.38	14	3.0	250
-50250	1/2	12.70	2	0.781	19.81	17	5.0	250

LENGTHS: 500 ft. All reels are exact length (+0 ft./-0 ft.) 85% one piece, 15% two piece - 50 ft. minimum length.
COUPLINGS: Coupling style 8, 9, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
NOTE: Add BK (black), BL (blue), GY (gray), GN (green) or RD (red) to complete part number.

THORO-FLO®

Multi-Purpose Hose

Series 7101-RED – Series 7119- BLACK

A tough, versatile, multi-purpose hose designed to handle many jobs. The tube is compounded to provide maximum oil resistance. THORO-FLO® hose may be used to transmit air, water, oil and many chemicals in service up to 300 PSI. Exceeds RMA - Class A Oil resistance.
4:1 Design factor
Note: Do not use for hot dry air applications.

Tube: Black Nitrile
Cover: Black or Red Neoprene
Reinforcement: One or multiple textile braids
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7101 THORO-FLO® 1/4 ID (6.4 MM) XXX PSI MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-251	1/4	6.4	1	0.500	12.7	9	2.5	250
-252	1/4	6.4	2	0.594	15.1	15	3.3	300
-311	5/16	7.9	1	0.625	15.9	14	3.3	250
-312	5/16	7.9	2	0.656	16.7	17	3.5	300
-381	3/8	9.5	1	0.687	17.4	17	3.5	250
-382	3/8	9.5	2	0.719	18.3	19	4.0	300
-501	1/2	12.7	1	0.812	20.6	21	4.5	250
-502	1/2	12.7	2	0.875	22.2	26	4.8	300

LENGTHS: Random lengths on nominal 500 ft. reels, 725 ft. max., 400 ft. min., with 50 ft. minimum length, maximum 3 pieces.

COUPLINGS: Coupling style 1, 2, 3, 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DAY-FLO® Special Purpose Hose

Series 7134 - RED – 7187 - BLACK (Non-Stock)

A tough, versatile, multi-purpose hose designed to handle many jobs. The tube is compounded to provide maximum oil resistance. DAY-FLO® hose may be used to transfer air, water, oil and many chemicals in service up to 300 PSI. Tube exceeds RMA - Class A Oil resistance. Braided reinforcment for maximun kink resistance.
4:1 Design factor
Note: Do not use for hot dry air applications.

Tube: Black Nitrile
Cover: Black or Red Neoprene
Reinforcement: One or multiple textile braids
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7134 DAY-FLO® 3/16 ID (4.8 MM) XXX PSI MAX WP MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-191	3/16	4.8	1	0.437	11.1	8	2.0	250
-251	1/4	6.4	1	0.500	12.7	9	2.5	250
-252	1/4	6.4	2	0.594	15.1	15	3.3	300
-311	5/16	7.9	1	0.625	15.9	14	3.0	250
-312	5/16	7.9	2	0.656	16.7	17	3.5	300
-381	3/8	9.5	1	0.687	17.4	17	3.5	250
-382	3/8	9.5	2	0.719	18.3	19	4.0	300
-501	1/2	12.7	1	0.812	20.6	21	4.5	250
-502	1/2	12.7	2	0.875	22.2	26	4.8	300

LENGTHS: 3/16 in. = 800 ft. mazimum, 400 ft. minimum, 3 pieces maximum, 50 ft. minimum length. 1/4 in. thru 1/2 in. = 725 ft. maximum, 400 ft. minimum, 3 pieces maximum, 50 ft. minimum length.
COUPLINGS: Coupling style 1, 2, 3, 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

GRIZZLY™ 500 Multi-Purpose Hose

Series 7107

The GRIZZLY™ 500 Hose is a premium hose designed for multiple uses. With its modified NBR/PVC cover compound, abrasion and oil resistance has been significantly improved. GRIZZLY 500 Hose is the answer for numerous applications such as agricultural, foundry, factories, mines and many more applications where a heavy duty hose construction is required. It has the toughness of a braided hose in a flexible spiral construction. GRIZZLY 500 Hose meets MSHA Flame Resistance requirements and is non-conductive with a minimum one megohm resistance per inch at 1000 volts DC.
4:1 Design factor

Tube: Black Nitrile
Cover: Yellow NBR/PVC blend
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +212˚ F
Branding: Side 1 PARKER/DAYCO SERIES 7107 GRIZZLY™ 1/4 ID (6.4 MM) 500 PSI MAX WP Side 2 ELECTRICALLY NON-CONDUCTIVE MSHA IC-123/20 MADE IN USA (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7107-25500	1/4	6.4	4	0.625	15.9	15	2.0	500
7107-38500	3/8	9.5	4	0.750	19.1	19	2.5	500
7107-50500	1/2	12.7	4	0.875	22.2	26	3.0	500
7107-75500	3/4	19.1	4	1.187	30.1	39	4.5	500
7107-100500	1	25.4	4	1.500	38.1	56	6.0	500

LENGTHS: Exact length reels with +/- 50 ft., max. 2 pieces, 50 ft. min. length. Reel quantities 1/4 in. -750 ft., 3/8 in. -650 ft., 1/2 in. -500 ft., 3/4 in. -400 ft., 1 in. -300 ft..
COUPLINGS: Coupling style 1, 2, 3, 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

WHIPPET® 200 Air Hose

Series 7137

Designed for light duty air lines and air hose whip ends. It is lightweight, flexible and oil resistant - ideal for industrial bench work.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: One textile braid
Temp. Range: -40˚ F to +180˚ F
Branding: AIR SERVICE 200 PSI WP (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7137-191	3/16	4.8	1	0.406	10.3	6	1.5	200
7137-251	1/4	6.4	1	0.437	11.1	7	2.0	200
7137-311	5/16	7.9	1	0.531	13.5	9	2.5	200
7137-381	3/8	9.5	1	0.625	15.9	11	3.5	200

LENGTHS: 3/16 in. reels = 400 ft. - 800 ft. 5 pieces max, with 50 ft. min. length; 1/4 in. = 400 ft. - 725 ft. 5 pieces max, with 50 ft. min. length, 5/16 in. & 3/8 in. = 400 ft. - 725 ft. 3 pieces max, with 50 ft. min. length.
COUPLINGS: Coupling style 1, 3, 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Couplings Style Pages in the back of the catalog for coupling details.

MAXIFLEX® Air Hose

Series 7308

MAXIFLEX® hose is light and flexible, yet sufficiently rugged to withstand the abuse and hard service found in mining and construction. It has excellent resistance to abrasion, gouging and weathering.
3:1 Design factor

Tube: Black SBR
Cover: Yellow SBR
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +200˚ F
Branding: PARKER/DAYCO SERIES 7308 MAXIFLEX AIR HOSE 250 PSI WP MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7308-1002	1	25.4	2	1.488	37.8	59	6.0	250
7308-1254	1 1/4	31.8	2	1.740	44.2	71	7.5	250
7308-1504	1 1/2	38.1	2	2.031	51.6	95	8.5	250
7308-2004	2	50.8	4	2.598	66.0	134	14.0	250
7308-2504	2 1/2	63.5	4	3.098	78.7	163	24.0	250
7308-3004	3	76.2	4	3.598	91.4	193	36.0	250

LENGTHS: 100 ft. lengths up to 200 ft. on quotation.
COUPLINGS: Coupling style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MAXIMAIRE® Heavy Duty Non-Conductive Air Hose

Series 7201 - Green Cover

This hose is designed for air drills and pneumatic service in mines, quarries, general construction and industrial jobs where a heavy duty hose is needed. Built with an oil resistant tube and an oil and abrasive resistant cover. Hose is electrically non-conductive with a minimum resistance of 1 megohm per inch at 1000 volts, DC.
4:1 Design factor

Tube: White Neoprene
Cover: Green Hypalon
Reinforcement: Multiple textile braids
Temp. Range: -20˚ F to +180˚F
Branding: PARKER/DAYCO USA 7201 MAXIMAIRE HEAVY DUTY AIR HOSE 2 1/2 ID XXX PSI MAX WP (DATE CODE)
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7201-502A	1/2	12.7	2	0.938	23.8	31	5.0	500
7201-502050*	1/2	12.7	2	0.938	23.8	31	5.0	500
7201-502100	1/2	12.7	2	0.938	23.8	31	5.0	500
7201-752A	3/4	19.1	2	1.250	31.8	48	6.5	500
7201-752050	3/4	19.1	2	1.250	31.8	48	6.5	500
7201-752100	3/4	19.1	2	1.250	31.8	48	6.5	500
7201-1002A	1	25.4	2	1.562	39.7	70	8.0	500
7201-1002050	1	25.4	2	1.562	39.7	70	8.0	500
7201-1002100	1	25.4	2	1.562	39.7	70	8.0	500
7201-1252K	1-1/4	31.8	2	1.813	46.1	81	9.0	350
7201-1503K	1-1/2	38.1	3	2.125	54.0	106	13.0	350
7201-2003K	2	50.8	3	2.656	67.5	153	15.0	350
7201-2503K*	2-1/2	63.5	3	3.250	82.6	210	22.0	300

AVAILABILITY: Stock; * non-stock
LENGTHS: Random lengths on reels. 1-1/4 in. through 2-1/2 in. 150 ft. reels, max. 5 pieces, 50 ft. min. length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DRAGON BREATH® Hot Air Hose

Series 7281

WARNING! Cam and Groove Type Fittings are not recommended for use on this product when used in high temperature applications!
This hose is specifically designed to convey hot air at +300˚ F continuous and +350˚ F intermittent from the compressor or blower on dry material unloading systems. The EPDM tube and cover offer excellent resistance to heat as well as to weather and ozone.
4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile braids with helix wire
Temp. Range: -30˚ F to +300˚/350˚ F
Branding: PARKER/DAYCO USA 7281 DRAGON BREATH® HOT AIR HOSE 1-1/2 ID XXX PSI MAX WP 001
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7281-1500	1 1/2	38.1	2	2.055	52.2	97	4.0	175
7281-2000	2	50.8	2	2.562	65.1	126	6.0	175
7281-3000	3	76.2	2	3.571	90.7	200	12.0	175
7281-4000	4	102.0	2	4.614	117.2	278	16.0	150

LENGTHS: 100 ft. lengths.
COUPLINGS: Coupling style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MPW - 1000® Multi-Purpose Hose

Series 7204

This versatile multi-purpose hose is ideal for rugged service in many industrial and high pressure steam cleaning applications. In addition to air and water service, the oil resistant tube and cover will handle a variety of acids and chemicals. Suitable for saturated steam service to 150 PSI and temperatures to 368˚ F. Also suitable to convey hot tar, wax and glue at 300˚ F continuous, 350˚ F intermittent.
4:1 Design factor (10:1 for 150 PSI steam applications)

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: One wire braid
Temp. Range: -20˚ F to +300˚/350˚/368˚ F (steam)
Branding: PARKER/DAYCO 7204 - MPW 1000 PSI MAX WP (DATE CODE) MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Max. Steam WP
7204-381	3/8	9.5	2	0.781	19.8	28	5.0	1000	150
7204-501	1/2	12.7	2	0.906	23.0	34	7.0	1000	150
7204-751	3/4	19.1	2	1.187	30.1	52	9.5	1000	150
7204-1001	1	25.4	2	1.500	38.1	75	12.0	1000	150

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft. 5 pieces max. per reel with 50 ft. length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

THORO-BRAID® Air Hose - MSHA

Series 7251

This hose is designed for the most severe service in mines, quarries and heavy construction. Built with a tough neoprene tube to handle air, water, petroleum products and a number of acids and chemicals. The THORO-BRAID® hose cover offers excellent resistance to ozone, weather, abrasion and several acids and chemicals. The cover is also flame resistant with an embossed MSHA legend.
4:1 Design factor

Tube: Black Neoprene
Cover: Yellow Hypalon
Reinforcement: One or multiple wire braids
Temp. Range: -20˚ F to +200˚ F
Branding: PARKER/DAYCO USA 7251 THORO-BRAID® AIR HOSE-WIRE BRAID XXX PSI MAX WP-DE4 FIRE RESISTANT-MSHA IC-123/3-(DATE CODE) -001
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7251-1501K	1 1/2	38.1	1	2.062	52.4	122	20.0	600
7251-2002K	2	50.8	2	2.656	67.5	189	25.0	600
7251-2502K	2 1/2	63.5	2	3.156	80.2	230	32.0	500
7251-3002K	3	76.2	2	3.656	92.9	273	36.5	500
7251-4002K*	4	101.6	2	4.656	118.3	363	48.0	400

LENGTHS: Random lengths – 150 ft. +0 ft./-20 ft., 3 pieces maximum., 50 ft. min. length. *7251-4002K is tire wrapped and packaged in either 6/50 ft. or 3/100 ft.
COUPLINGS: Coupling Style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

STINGER™ II Mine Air & Water Hose

Series 7268

Stinger II hose is a very durable hose manufactured to handle the severe service requirements of underground mine spray service. The bright yellow MSHA cover is flame, oil and abrasion resistant. This hose is also an excellent choice for high pressure air and washdown service.
4:1 Design factor (2 in. - 3.5:1)

Tube: Black Neoprene
Cover: Yellow NBR/PVC
Reinforcement: Wire braid
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7268 STINGER II™ 3/4 ID 1000 PSI MAX WP MSHA IC-123/17 DE2 (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7268-751	3/4	19.1	1	1.045	26.5	36	6.0	1000
7268-1001	1	25.4	1	1.339	34.0	53	8.0	1000
7268-1251	1 1/4	31.8	1	1.631	41.4	66	12.0	1000
7268-1501	1 1/2	38.1	1	1.890	48.0	86	14.0	1000
7268-2001	2	50.8	1	2.440	62.0	141	18.0	1000

LENGTHS: Random lengths on reels (3/4 in. & 1 in.) and specified 50 ft. & 100 ft.
COUPLINGS: Coupling style 8, or for other recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling detials.

YELLOW BIRD® Air & Water Hose – MSHA

Series 7284

YELLOW BIRD® hose is designed for high pressure water service in underground mines. The SBR tube, wire braided construction, and nitrile/PVC cover also makes it an excellent high pressure air or general purpose hose.The flame resistant yellow cover is branded with the MSHA legend.
4:1 Design factor

Tube: Black SBR
Cover: Yellow NBR/PVC, PIN-PRICKED
Reinforcement: One or multiple wire braids
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7284 YELLOW BIRD® HOSE (DATE CODE) DE2 XXXX PSI MAX WP MSHA IC-123/17 - FLAME RESISTANT
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7284-381	3/8	9.5	1	0.688	17.5	25	6.0	1500
7284-501	1/2	12.7	1	0.969	24.6	37	7.0	1000
7284-751	3/4	19.1	1	1.219	31.0	56	9.5	1000
7284-1001	1	25.4	1	1.469	37.3	69	12.0	1000
7284-1252	1 1/4	31.8	2	1.719	43.7	90	15.5	1000

LENGTHS: Random lengths on reels. 3/8 in. is 400 ft., 3 pc. max., 10 ft. min. length – 1/2 in. is 425 ft., 5 pc. max., 50 ft. min. – 3/4 in. & 1 in. is 500 ft., 5 pc. max., 50 ft. min.
COUPLINGS: Coupling style 8, or for other recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling detials.

THERM-O-BLUE®

ORS PVC Air Hose

THERM-O-BLUE® ORS Hoses are made for air, water and moderate chemical applications. The tube is formulated with special additives to significantly increase the amount of oil resistance over normal PVC hoses. This special tube is protected by a non-marking cover. Combined, they provide a lightweight and highly flexible hose which is ideal for many industrial applications.
4:1 Design factor

Tube: Orange Prime PVC with ORS additives
Cover: Blue Prime PVC
Reinforcement: Multiple Textile Spirals
Temp. Range: -20˚ F to +150˚ F
Branding: ---SWAN THERM-O-BLUE ORS --- 200 PSI WP --- MADE IN USA --- 3/4 in. -19.1 MM ---
Brand Description: Ink Brand - White letters (1 in. embossed only)

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39390	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39391*	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39392**	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39393	3/8	9.5	2	0.641	16.3	11.9	4.0	300
39394*	3/8	9.5	2	0.641	16.3	11.9	4.0	300
39395**	3/8	9.5	2	0.641	16.3	11.9	4.0	300
39396	1/2	12.7	2	0.781	19.8	15.9	5.0	300
39397	3/4	19.1	2	1.031	26.2	21.6	8.0	200
39398	1	25.4	2	1.281	32.5	27.9	11.0	200

LENGTHS: *5-50 ft. lengths per carton **3-100 ft. lengths per carton. Exact 500 ft. reels, 90% 1 piece, 50 ft. minimum length, 1 in. = 250 ft. reel.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

THERM-O-RED®

ORS PVC Air Hose

THERM-O-RED® ORS hoses are made for air, water and moderate chemical applications. The tube is formulated with special additives to significantly increase the amount of oil resistance over normal PVC hoses. This special tube is protected by a non-marking cover. Combined, they provide a lightweight and highly flexible hose which is ideal for many industrial applications.
4:1 Design factor

Tube: Orange Prime PVC with ORS additives
Cover: Red Prime PVC
Reinforcement: Multiple Textile Spirals
Temp. Range: -20˚ F to +150˚ F
Branding: ---SWAN THERM-O-RED ORS --- 200 PSI WP --- MADE IN USA --- 3/4 in. - 19.1 MM ---
Brand Description: Ink Brand - White letters (1 in. embossed only)

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39374	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39375	3/8	9.5	2	0.641	16.3	12.2	4.0	300
39376	1/2	12.7	2	0.781	19.8	16.2	5.0	300
39377	3/4	19.1	2	1.031	26.2	20.8	8.0	200
39380	1	25.4	2	1.281	32.5	26.7	11.0	200

LENGTHS: Exact length 500 ft. reels, 90% 1 pc., 50 ft. minimum length. 1 in. = 250 ft. reel.
COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

HYDRO-AIRE™ PVC Hose

Hydro-Aire™ hose is an extremely flexible and lightweight vinyl hose for air and water applications. Extruded PVC Tube. Black or Red
4:1 Design factor

Tube: Black PVC
Cover: Red or Black PVC
Reinforcement: Multiple Textile Spirals
Temp. Range: +20˚ F to +140˚ F
Branding: ---SWAN HYDRO-AIRE™---150 PSI WP---MADE IN USA ---1 in. (25.4 MM) ---
Brand Description: Ink Brand - White letter color

Part No.	Color	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39362	Red	1/4	6.4	2	0.500	12.7	10	2.5	250
39382	Black	1/4	6.4	2	0.500	12.7	10	2.5	250
39363	Red	5/16	7.9	2	0.593	15.9	12	3.0	250
39383	Black	5/16	7.9	2	0.593	15.9	12	3.0	250
39364	Red	3/8	9.5	2	0.641	16.3	14	3.5	250
39384	Black	3/8	9.5	2	0.641	16.3	14	3.5	250
39365	Red	1/2	12.7	2	0.781	19.8	18	5.0	250
39385	Black	1/2	12.7	2	0.781	19.8	18	5.0	250
39366	Red	5/8	15.9	2	0.921	23.0	22	6.5	250
39386	Black	5/8	15.9	2	0.921	23.0	22	6.5	250
39367	Red	3/4	19.1	2	1.031	27.0	27	7.5	200
39387	Black	3/4	19.1	2	1.031	27.0	27	7.5	200
39368	Red	1	25.4	2	1.281	33.7	36	10.0	150
39388	Black	1	25.4	2	1.281	33.7	36	10.0	150

LENGTHS: Exact 500 ft. reels, 90% 1 piece, 10% 2 pieces - 50 ft. min. length. Available in cut lengths, coupled assemblies and various colors.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Air & Multi-Purpose

Fire Suppression

Fire Engine Corrugated Suction Hose

Series 7209

Water suction hose for use on fire engines. Rugged, heavy duty construction for long service life. Corrugated cover reduces bend resistance providing maximum flexibility.

Tube: Black SBR
Cover: Black SBR
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -30˚ F to +180˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	Reinf. Plies	Max. Cuff OD (in.)	Max. Cuff OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Test Pressure
7209-4502010	4 1/2	114.3	2	5.354	136	272	25.0	200
7209-5002010	5	127.0	2	5.866	149	300	30.0	200
7209-6002010	6	152.4	2	6.850	174	380	40.0	200

LENGTHS: 10 ft. OAL including soft cuff.
COUPLINGS: Not available from Parker/Dayco. For coupling recommendations refer to NAHAD Assembly Guidelines.

Fire Engine Suction Hose

Series 7210

Water suction hose for use on fire engines. Rugged, heavy duty construction for long service life, yet flexible for easy handling.

Tube: Black SBR
Cover: Black SBR
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -30˚ F to +180˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	Reinf. Layers	Max, Cuff OD (in.)	Max. Cuff OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Test Pressure
7210-4502010	4 1/2	114.3	2	5.354	136	393	25.0	200
7210-5002010	5	127.0	2	5.866	149	492	30.0	200
7210-6002010	6	152.4	2	6.850	174	548	40.0	200

LENGTHS: 10 ft. OAL including soft cuff.
COUPLINGS: Not available from Parker/Dayco. For coupling recommendations refer to NAHAD Assembly Guidelines.

Booster 800 High Pressure Hose

Series 7270

This is a heavy duty hose for high pressure chemical and water booster service on fire engines. Acceptable for short term use with Halon 1211. Tube and cover compounds are abrasion and weather resistant. Tough yet flexible, for resistance to flexing and surge loads. Meets NFPA 1961 requirements under current RMA specifications. Meets or exceeds UL92 requirements for 800 PSI Booster Hose. 4:1 Design factor

Tube: Black Neoprene
Cover: Red Neoprene
Reinforcements: Multiple textile braids
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7270 HP BOOSTER 800 HOSE - 800 PSI MAX WP-3200 PSI BURST -DE2 (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7270-752	3/4	19.1	2	1.173	29.8	39	7.0	800
7270-1002	1	25.4	2	1.500	38.1	59	8.0	800

LENGTHS: Random lengths on reels.
COUPLINGS: Coupling style 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

YELLOW BIRD® PVC Fire Hose - MSHA

Series 7540

Service Test Pressure 150 PSI

This is a lightweight hose designed for fire protection service in underground mines. Brightly colored for high visibility. Continuously branded with MSHA legend. Not recommended where temperatures exceed 125˚ F. Rolls up flat for easy storage. 3:1 Design factor

Tube: Black PVC
Cover: Yellow PVC
Reinforcement: 2 spiral plies and one longitudinal ply
Temp. Range: -10˚ F to +125˚ F
Branding: FLAME RESISTANT USMSHA 2G-60/1
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7540-1501	1 1/2	38.1	3	1.563	39.7	28	150
7540-1501300	1 1/2	38.1	3	1.563	39.7	28	150
7540-2001	2	50.8	3	2.188	55.6	36	150

LENGTHS: 250 ft. & 300 ft. bales.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Food Handling

Food Products Discharge Hose

Series 7304

This hose is designed for discharging food products. It is a versatile construction that can be used for many food and beverage applications and CIP (clean in place) conditions. It meets the requirements of FDA, USDA and 3-A regulations. The white nitrile rubber tube has an ultra-smooth finish. The gray EPDM rubber cover provides endurance and resistance to discoloration.
4:1 Design factor

Tube: White nitrile rubber
Cover: Gray EPDM rubber
Reinforcement: Textile Plies
Temp. Range: -40° F to +180° F
Branding Example: PARKER/DAYCO SERIES 7304 FOOD PRODUCTS DISCHARGE NITRILE TUBE 250 PSI MAX WP FDA USDA 3-A (international food symbol) MADE IN USA
Branding Description: Ink transfer—Blue letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per. 100 Ft.	Max. Rec. WP
7304-1500	1-1/2	38.0	4	2.125	54.0	82	250
7304-2000	2	50.8	4	2.625	66.7	108	250
7304-2500	2-1/2	63.5	4	3.125	79.4	132	250
7304-3000	3	76.2	4	3.625	92.1	158	250
7304-4000	4	101.6	4	4.625	117.5	203	250

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Food Suction & Discharge Hose Butyl Rubber Tube

Series 7305

This is a versatile food suction and discharge hose with a butyl tube for superior temperature capability in food processing and CIP (clean in place) environments. The pure white butyl rubber tube will not impart taste or odor, and has an ultra-smooth finish. Recommended for many dry food and beverage products. Steel helix wire provides endurance and resistance to discoloration. This hose meets the requirements of FDA, USDA and 3-A regulations.
4:1 Design factor

Tube: White butyl rubber
Cover: Gray EPDM rubber
Reinforcement: Textile Plies
Temp. Range: -40° F to + 225° F continuous (+250° F intermittent)
Branding Example: PARKER/DAYCO SERIES 7305 FOOD PRODUCTS SUCTION & DISCHARGE BUTYL TUBE 150 PSI MAX WP FDA USDA 3-A (international food symbol) MADE IN USA
Branding Description: Ink transfer—Yellow letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per. 100 Ft.	Min. Bend Radius	Max. Rec. WP
7305-2000	2	50.8	2	2.656	66.7	132	7.0	150
7305-2500	2-1/2	63.5	2	3.219	79.4	184	8.0	150
7305-3000	3	76.2	2	3.750	92.1	245	9.0	150
7305-4000	4	101.6	2	4.781	117.5	350	12.0	150

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Food Suction & Discharge Hose
Nitrile Rubber Tube
Series 7310

This hose is flexible and lightweight for easy handling. The ultra-smooth white nitrile rubber tube is suitable for many food and beverage products. The steel helix wire provides full suction capability and allows tight bends in flexible connector service. The gray EPDM rubber cover provides endurance and resistance to discoloration. This hose meets the requirements of FDA, USDA, and 3-A regulations.
4:1 Design factor

Tube: White nitrile rubber
Cover: Gray EPDM rubber
Reinforcement: Textile Plies
Temp. Range: -40° F to +180° F
Branding Example: PARKER/DAYCO SERIES 7310 FOOD PRODUCTS SUCTION & DISCHARGE NITRILE TUBE 150 PSI MAX WP FDA USDA 3-A MADE IN USA
Branding Description: Ink transfer—Blue letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per. 100 Ft.	Min. Bend Radius	Max. Rec. WP
7310-1500	1-1/2	38.0	2	2.063	52.4	92	6.0	150
7310-2000	2	50.8	2	2.563	65.1	128	7.0	150
7310-2500	2-1/2	63.5	2	3.063	77.8	159	8.0	150
7310-3000	3	76.2	2	3.625	92.2	206	9.0	150

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

ECW™ Economy White Washdown Hose

Series 7079

ECW™ hose is primarily designed for use in food plants, breweries and any place a flexible, lightweight washdown hose is needed.
4:1 Design factor

Tube: Black EPDM
Cover: White EPDM
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7079 ECW ECONOMY WASHDOWN 3/4 ID (19.1 MM) 300 PSI MAX WP MADE IN USA
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per. 100 Ft.	Min. Bend Radius	Max. Rec. WP
-75304	3/4	19.1	4	1.156	29.4	37	5.0	300
-7530450	3/4	19.1	4	1.156	29.4	37	5.0	300

LENGTHS: 350 ft. reels (+50 ft./-0 ft.) 90% 1 pc., 10% 2 pc. - min. length 50 ft.
50 ft. cut lengths = 48 each, coiled & tied in pallet boxes.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

HDW™ Creamery Washdown Hose

Series 7080

The HDW-Heavy Duty Washdown hose is designed for general washdown and equipment cleaning requirements in food processing, dairy product processing, and industrial plants. The high quality EPDM tube compound allows this hose to be used for 212° F hot water at 300 PSI or saturated steam to +298° F / +148° C at 50 PSI maximum.
4:1 Design factor

Tube: Black high grade EPDM
Cover: White high grade EPDM
Reinforcement: Multiple textile spirals
Temp. Range: -40° F to +212° F @ 300 PSI and to +298° F @ 50 PSI
Branding Example: PARKER/DAYCO SERIES 7080 HDW CREAMERY WASHDOWN 3/4 in. ID (19.1 MM) 300 PSI MAX WP MADE IN USA
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7080-75304	3/4	19.1	4	1.250	31.8	48	6.5	300
7080-7530450	3/4	19.1	4	1.250	31.8	48	6.5	300

LENGTHS: 350 ft. reels (+50 ft./-0 ft.), 90% 1 pc., 10% 2 pc.
-50 ft. min. length.
50 ft. cut lengths = 24 each, coiled and tied in pallet boxes.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

WILDCATTER® Washdown Hose

Series 7360

WILDCATTER® hose is a general purpose washdown hose, designed with a rugged yet flexible construction for ease of handling in many tough applications including breweries, dairies, food plants, paper mills and oil rigs. Available with and without built-in nozzle.
4:1 Design factor

Tube: White SBR
Cover: White SBR
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO® SERIES 7360 WILDCATTER WASH DOWN HOSE MADE IN USA 001 (7360 WITH NOZZLE MADE IN ITALY)
Brand Description: Tape Brand - Blue Stripe with White letters.

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7360-50*	1/2	12.70	2	1.008	25.60	37	4.0	150
7360-75*	3/4	19.05	2	1.250	31.75	49	6.0	150
7360-100*	1	25.40	2	1.598	40.59	75	8.0	150
7360-125*	1 1/4	31.75	2	1.875	47.63	93	12.0	150
7360-150*	1 1/2	38.10	2	2.125	53.98	107	18.0	150
7360-200*	2	50.80	4	2.748	69.80	172	24.0	150

LENGTHS: 50 ft.
*add 150 to part number above for length without nozzle
*add F050 to part number above for length with nozzle

COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

DYNAFLEX® PVC Clear Suction Hose FDA - Medium Duty

Series 7582

Recommended for conveying milk and other food products in full suction applications. Smooth bore tube will not impart taste or odor into product being conveyed. Meets FDA: CFR Title 21, parts 170 - 199.
3:1 Design factor

Tube: Clear PVC
Cover: Clear PVC
Reinforcement: Rigid White PVC spiral helix
Temp. Range: -5˚ F to +140˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7582-1500	1 1/2	38.1	1.850	47.0	47	7.5	110
7582-2000	2	50.8	2.350	59.7	67	9.0	90
7582-2500	2 1/2	63.5	2.900	73.7	99	11.0	80
7582-3000	3	76.2	3.450	87.6	116	13.0	65
7582-4000	4	101.6	4.550	115.6	180	19.0	50

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines.

DYNAFLEX® PVC Transparent Suction/Discharge Hose – FDA

Series 7570

Designed to handle a variety of applications where a lightweight, flexible suction/discharge hose is required. A steel helix wire combined with a thick wall construction gives the hose excellent kink, abrasion and crush resistance. The transparency allows for easy inspection of product being conveyed. Flexible to -10˚ F. The steel helix wire provides static conductivity. Meets CFR, Title 21 parts 170-199.
3:1 Design factor

Color: Transparent PVC
Construction: Multi-component PVC extrusion with helix wire
Temp. Range: -10˚ F to +120˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7570-750	3/4	19.1	1.020	25.9	21	3.0	100
7570-1000	1	25.4	1.340	34.0	34	3.5	85
7570-1250	1 1/4	31.8	1.630	41.4	42	6.3	75
7570-1500	1 1/2	38.1	1.940	49.3	52	7.5	75
7570-2000	2	50.8	2.500	63.5	84	9.8	75
7570-2500	2 1/2	63.5	3.200	81.3	121	12.0	55
7570-3000	3	76.2	3.630	92.2	148	15.0	55
7570-4000	4	101.6	4.720	119.9	235	19.7	35
7570-6000	6	152.4	6.950	176.5	429	23.0	30

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines.

PWD High Pressure Washdown Hose

Series 7143

A premium, flexible and lightweight hose for washdown service in applications such as meat and poultry plants. The specially blended cover provides excellent resistance to animal fats and oils, as well as improved abrasion resistance over similar hose products.
Design factor: 1 Braid = 4:1 2 Braid = 3.5:1

WARNING: Not to be used for steam service!

Tube: Black synthetic rubber
Cover: Gray (GY) or Yellow (YL) synthetic rubber
Reinforcement: 1 or 2 textile braids
Temp. Range: -40˚ F to +250˚ F
Branding: PARKER/DAYCO SERIES 7143 PWD 3/8 ID (9.5 MM) XXXX PSI MAX WP MADE IN USA (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7143-251YL	1/4	6.4	1	0.570	14.5	13	3.0	1000
7143-251GY	1/4	6.4	1	0.570	14.5	13	3.0	1000
7143-381GY	3/8	9.5	1	0.625	15.9	13	4.0	1000
7143-381YL	3/8	9.5	1	0.625	15.9	13	4.0	1000
7143-382GY	3/8	9.5	2	0.734	18.6	19	4.0	1500
7143-382YL	3/8	9.5	2	0.734	18.6	19	4.0	1500

LENGTHS: Random lengths on reels.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

BLUE RIBBON® Pressure Washer Hose

Series 7247

Developed specifically for the food process industry, this blue, non-marking, oil and fat-resistant hose provides 1500 PSI working pressure for efficient in-plant washdown service. For use with Dayco over-the-cover (non-skive) crimp couplings.
4:1 Design factor

WARNING! Not recommended for Steam Service.

Tube: Black Neoprene
Cover: Perforated blue Neoprene
Reinforcement: One wire braid
Temp. Range: -40˚ F to +250˚ F/275˚ F
Branding: PARKER/DAYCO USA 7247 BLUE RIBBON® PRESSURE WASHER HOSE 1/4 ID 1500 MAX WP DE2 (DATE CODE) NOT FOR STEAM SERVICE
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7247-251BL	1/4	6.4	1	0.575	14.6	18	1.7	1500
7247-381BL	3/8	9.5	1	0.700	17.8	24	2.2	1500
7247-501BL	1/2	12.7	1	0.825	21.0	30	3.2	1500

LENGTHS: Random lengths on reels and specified cut lengths.
COUPLINGS: Coupling style 10, 11, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Food Handling

Made-to-order hose

Customer satisfaction is the number 1 priority at Parker. Obtaining the right product at the right time, at the right price is the secret to success. At Parker, we provide a trained customer service team to answer inquiries on product availability, as well as a quick response to the use of our products for various applications.

I**n order to provide the fastest possible service and delivery, it is recommended that existing products are always considered first.** But when existing products won't do, then a made-to-order item may be considered.

Parker invites your requirements for special hoses not included in the standard Parker product line. Remember, made-to-order items will be subject to a set of guidelines to determine whether Parker is able to satisfy your needs. Made to order products will fall into two categories:

1. A modification of a standard Parker item, which can include special options for:

Coupled Assemblies
Lengths
Packaging
Branding
Colors
ID
OD
Working Pressure

2. New product design — New designs for new applications, or to improve performance in existing applications.

For both items above (#1 and #2), please:

- Complete the Industrial Hose product request form on the next two pages (make copies or request pads of form DF-1468 from Customer Service.)
- Always provide as much detail as possible
- Give the form to your local Sales representative
- Parker will give your request immediate attention

Customer Reference. # _____

date_____

INDUSTRIAL HOSE PRODUCT REQUEST FORM

The requested hose is identical to Parker Industrial Hose Series_____ except for the following exceptions as noted in section(s) (circle appropriate section number, if any, and ignore sections where information is identical to existing hose)

1 2 3 4 5 6 7 8 9 10 11 12

salesman	terr. #
customer name	end user name
address	address
city,state,zip	city,state,zip
phone#	phone#
fax #	fax #
contact name	contact name

Section 1 — **SIZE**

i.d.	i.d. tolerance +	i.d. tolerance -	o.d.	o.d. tolerance +	o.d. tolerance -	wt./100'	bend radius

PACKAGING reel_____ cut length_____ bale_____ king pack_____ other_____ feet/pkg._____ tolerance + -

additional details

Section 2

minimum:	maximum:	normal:
internal_____ external_____	internal_____ external_____	internal_____ external_____

Section 3 — **APPLICATION**

how will the hose be used?	hours/week?
environmental conditions	adverse conditions?

customer expectation? (give as much detail as possible)

MOTION: (flexing, amount, frequency)

Section 4 — **MATERIAL**

PRODUCT TO BE CONVEYED (example: chemical, air with oil mist, dry cement, hydraulic fluid)	concentration

give as much detail as possible about material to be conveyed:

Section 5 — **PRESSURE**

maximum working	minimum burst	vacuum	characteristics: (static, dynamic, intermittent)	flow (gpm or scfm)

Customer Reference. # _____

date_____

INDUSTRIAL HOSE PRODUCT REQUEST FORM

Section 6 — **ENDS**

type to be used	Parker provided assembly?
banded_____ external crimp_____ internally expanded_____	yes____ no____ overall length of assembly

Section 7

date required	annual units	units on first order	delivery schedule?	annual $ potential (sell price x annual units)

Section 8

compound / material	thickness	RMA oil resistance (A)___(B)___(C)__ non-oil resistant___	static conductive___ non conductive___ no requirements___	other

Section 9

textile	wire	braid	spiral	helix	# of braids	# of plies	static conducting wire?	other

Section 10

compound / material	RMA oil resistance (A)___(B)___(C)__ non-oil resistant___	thickness	finish smooth___wrapped___ corrugated____	static conductive___ non conductive___ no requirements___	color: std. Parker	color: (provide sample) other___

Section 11 — **BRANDING**

embossed/raised	impression	ink	mylar	other	tape width	character height	other details (attach wording)

industry standards
CGA___ FDA___ MSHA___ UL___ OTHER___

Note: brand will include working pressure, date code & mfg. location

Section 12

brand name	part#	sample (if available)
closest Parker hose available:	part #	why does this hose not fit the need?

required sell price	is sample required ? yes___ no___	qty.	tests required ? yes___ no___	describe tests

blueprints available ? yes___ no___	blueprints attached ? yes___ no___	other accts. or markets for this product

other details?

send quotation to: customer____ Parker Salesman___

signature (requestor)_____

Made-To-Order

Material Handling

DRILINE® Cement Hose
Series 7218

Recommended for use on bulk transport trucks in discharge service. Abrasion resistant tube handles dry cement, lime, silica and other abrasive materials. Static dissipating tube and cover.
3:1 Design factor

Tube: 1/8 in., 3/16 in. or 1/4 in. Black Natural Rubber Blend - Static Conductive
Cover: Black SBR Rubber
Reinforcement: Multiple textile plies
Temp. Range: -30˚ F to +150˚ F
Branding: PARKER/DAYCO SERIES 7218 DRILINE® CEMENT HOSE 60 PSI MAX WP MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Tube Thickns. (in.)	Max. Rec. WP
7218-3018*	3	76.2	2	3.464	88.0	118	1/8	60
7218-30316*	3	76.2	2	3.582	91.0	150	3/16	60
7218-3025*	3	76.2	2	3.724	94.6	190	1/4	60
7218-3518*	3-1/2	88.9	2	3.964	100.7	137	1/8	60
7218-35316*	3-1/2	88.9	2	4.106	104.3	180	3/16	60
7218-3525*	3-1/2	88.9	2	4.224	107.3	218	1/4	60
7218-4018	4	102	2	4.480	113.8	155	1/8	60
7218-40316	4	102	2	4.622	117.4	204	3/16	60
7218-4025	4	102	2	4.740	120.4	247	1/4	60
7218-4518	4-1/2	114.3	2	4.964	126.1	173	1/8	60
7218-45316*	4-1/2	114.3	2	5.106	129.7	228	3/16	60
7218-4525	4-1/2	114.3	2	5.224	132.7	275	1/4	60
7218-5018	5	127.0	2	5.464	138.8	191	1/8	60
7218-50316*	5	127.0	2	5.606	142.4	252	3/16	60
7218-5025	5	127.0	2	5.724	145.4	303	1/4	60
7218-6018*	6	152.4	2	6.560	166.6	276	1/8	60
7218-60316*	6	152.4	2	6.630	168.4	311	3/16	60
7218-6025	6	152.4	2	6.748	171.4	372	1/4	60
7218-6318*	6-5/8	168.3	2	7.126	181	271	1/8	60
7218-63316*	6-5/8	168.3	2	7.255	184.3	342	3/16	60
7218-6325*	6-5/8	168.3	2	7.362	187.0	402	1/4	60

AVAILABILITY: Stock; * non-stock
LENGTHS: 100 ft. through 6 in., 50 ft. lengths for 5 5/8 in.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

Concrete Pump & Plaster Hose – 800 PSI

Series 7236

Recommended for spraying wet plaster and wet or dry cement at pressures up to 800 PSI. The specially compounded tube is highly resistant to abrasive materials. Heavy wall resists kinking. Static dissipating tube and cover.
3:1 Design factor

Tube: Black Natural Rubber Blend - Static Conductive
Cover: Black SBR
Reinforcement: Multiple textile plies
Temp. Range: -30˚ F to +150˚ F
Branding: PARKER/DAYCO SERIES 7236 PLASTER & CONCRETE HOSE 800 PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - White letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7236-125500	1 1/4	31.8	4	1.882	47.8	78	9.0	800
7236-150800	1 1/2	38.1	4	2.212	56.2	101	12.0	800
7236-200800	2	50.8	4	2.762	70.2	138	24.0	800

LENGTHS: 50 ft. and 100 ft.
COUPLINGS: Coupling style 10, 11, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

SUPER-FLEX® Material Suction Hose

Series 7363

Designed for wet or dry abrasive product transfer service. The highly abrasion resistant tube is also static conductive, eliminating the need for a static wire. The cover is corrugated for flexible handling. This hose is rated for full suction and discharge.
3:1 Design factor

Tube: Black Natural Rubber Blend, 3/16 in. thick - static conductive
Cover: Black Natural Rubber Blend
Reinforcement: Textile tire cord plies with helix wire
Temp. Range: -40˚ F to +160˚ F
Branding: PARKER/DAYCO SERIES 7363 SUPER-FLEX® ABRASIVE SUCTION AND DISCHARGE 100 PSI MAX WP MADE IN USA
Brand Description: Tape Brand - White letters

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7363-2000	2	50.8	2	2.740	69.6	159	6.0	100
7363-3000	3	76.2	2	3.800	96.6	246	9.0	100
7363-4000	4	101.6	2	4.875	123.8	360	12.0	100
7363-6000	6	152.4	2	6.937	176.2	560	18.0	100

LENGTHS: 100 ft.
COUPLINGS: Coupling style 7, 10, 11, 14, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple and bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

Rock Dust Hose - MSHA

Series 7393

This hose is for rock dust service in underground mines, it is very light, flexible and durable. The cover is flame resistant and the tube is static dissipating. The hose also has a helix wire that reduces kinking at sharp bends.

Tube: Black Natural Rubber blend - static conductive
Cover: Black Synthetic Rubber blend
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -30˚ F to +160˚ F
Branding: PARKER/DAYCO SERIES 7393 ROCK DUST HOSE FLAME RESISTANT MSHA NO. IC-123/22 MADE IN USA (MSHA number may vary)
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7393-1502	1 1/2	38.1	2	1.834	46.6	52	3.0	90
7393-1502050C	1 1/2	38.1	2	1.834	46.6	52	3.0	90
7393-2002	2	50.8	2	2.362	60.0	79	4.0	75
7393-2002050C	2	50.8	2	2.362	60.0	79	4.0	75
7393-2502	2 1/2	63.5	2	2.862	72.7	97	6.0	60
7393-2502050C	2 1/2	63.5	2	2.862	72.7	97	6.0	60
7393-3002	3	76.2	2	3.409	86.6	132	8.0	50
7393-3002050C	3	76.2	2	3.409	86.6	132	8.0	50

LENGTHS: 100 ft. lengths, all sizes, part #'s ending in "2".
50 ft. lengths with soft cuffs, all sizes, part #'s ending "050C".
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines.

Sand Blast Hose - 4 Ply

Series 7244

Designed for sandblasting of metal castings, steel, stone, cement or wherever abrasive materials are carried at high velocity. The high abrasion resistant, static conducting tube eliminates the need for a static wire. Cover is also static dissipating. 4:1 Design factor

Tube: Black Natural Rubber blend - minimum 9/32 in. (.281) (7.1 MM) thick in & 1 in. & larger sizes–static conductive
Cover: Black Natural Rubber blend–static conductive
Reinforcement: Multiple textile plies
Temp. Range: -30˚ F to +160˚ F
Branding: PARKER/DAYCO SERIES 7244 SAND BLAST HOSE XXX PSI WP MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (IN.)	OD (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7244-50175	1/2	12.7	4	1.134	28.8	40	175
7244-75175	3/4	19.1	4	1.500	38.1	65	175
7244-100175	1	25.4	4	1.864	47.3	96	175
7244-125150	1 1/4	31.8	4	2.118	53.8	113	150
7244-150150	1 1/2	38.1	4	2.364	60.0	129	150
7244-200100	2	50.8	4	2.866	72.8	163	100
7244-250100	2 1/2	63.5	4	3.508	89.1	233	100
7244-300100	3	76.2	4	3.938	100.0	251	100

LENGTHS: 50 ft. special lengths up to 200 ft. available on quotation. Contact Customer Satisfaction Center.
COUPLINGS: Not offered by Parker Dayco – For coupling recommendations refer to NAHAD Assembly Guidelines.

Sand Blast Hose - 2 Ply

Series 7245

The extra thick special tube is formulated to extend service life in sandblasting service. The hose has increased flexibility and kink resistance, which reduces operator fatigue. The tube and cover are both static dissipating and the cover is abrasion and weather resistant.
4:1 Design factor

Tube: Black Natural Rubber blend - 19/32 in. (.300 in.) (7.8 MM) thick in 1 in. & larger sizes–static conductive
Cover: Black SBR–static conductive
Reinforcement: Two textile plies
Temp. Range: -40˚ F to +160˚ F
Branding: PARKER/DAYCO SERIES 7245 SANDBLAST HOSE XXX PSI MAX WP MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
Traditional OD Sizes							
7245-0527	1/2	12.7	2	1.056	26.8	33	150
7245-0750	3/4	19.1	2	1.488	37.8	64	150
7245-1000	1	25.4	2	1.858	47.2	94	150
7245-1250	1 1/4	31.8	2	2.118	53.8	114	150
7245-1500	1 1/2	38.1	2	2.364	60.0	130	150
7245-2000	2	50.8	2	2.864	72.7	164	100
Special OD & Application Sizes							
7245-0524	1/2	12.7	2	0.938	23.8	24	150
7245-0525	1/2	12.7	2	0.984	25.0	28	150
7245-0526	1/2	12.7	2	1.032	26.2	31	150
7245-0530	1/2	12.7	2	1.176	29.9	44	150
7245-0535	1/2	12.7	2	1.384	35.2	64	150
7245-1038	1	25.4	2	1.504	38.2	49	150
7245-1041	1	25.4	2	1.624	41.2	63	150
7245-12548	1 1/4	31.8	2	1.882	47.8	78	150

LENGTHS: 50 ft. and 100 ft.
COUPLINGS: Not offered by Parker/Dayco – For coupling recommendations refer to NAHAD Assembly Guidelines.

SELECTAPIPE® HOSE

Series 7353, 7354, 7355, 7356 and 7357
NON-STOCK - MADE TO ORDER

SELECTAPIPE® hose serves as a flexible rubber “pipe” designed to replace metal pipe in applications where vibration, corrosion, or abrasion is a problem, or where flexibility is required. It is suited for the conveyance of wet or dry materials in pressure or suction applications. Typical uses include the handling of slag, coal, salt, cement, ashes, gravel, sand, acids and various slurries.

Size Availability: SELECTAPIPE® hose is available in the following inside diameters: 2 in., 2-1/2 in., 3 in., 3-1/2 in., 4 in., 4-1/2 in., 5 in., 6 in., 6-5/8 in., 8 in., 8-5/8 in., 10 in., 10-3/4 in., 12 in., 12-3/4 in., 14 in., 15 in., 16 in.*, 18 in.*, 20 in.*

Working Pressures: Working pressures and the corresponding Series number are:
25 PSI - Series 7353
50 PSI - Series 7354
75 PSI - Series 7355
100 PSI - Series 7356
150 PSI - Series 7357 *Not available in sizes larger than 14 in. ID

Vacuum Rating: Unless specifically ordered without, all SELECTAPIPE® hose is built with a helix wire - carries a full vacuum rating.

Tube Variations: SELECTAPIPE® hose can be made with a Tan Gum rubber, black natural rubber blend - static conductive or neoprene tube, in thickness of 3/16 in., 1/4 in., 3/8 in. or other special thicknesses.

Cover: Black SBR is the standard cover compound for both smooth and corrugated covers. Other cover compounds are available.

Reinforcement: Multiple plies of textile fabric with or without helix wire.

Hose End Styles and End Fittings:

Built in DAYLOK® hose ends:
Available for 2 in., 2-1/2 in., 3 in., 4 in., 5 in., 6 in., 8 in., 10 in. and 12 in. ID SELECTAPIPE® hose, but not recommended for pressures over 150 PSI.

Built in Duck and Rubber Flanges:
Available for 2 in., 2-1/2 in., 3 in., 4 in., 5 in., 6 in., 8 in., 10 in., 12 in. and 14 in. ID hose.

Enlarged Ends or Soft Cuffs: Available on all sizes of hose.

Combination Nipples: Available for 2 in., 2-1/2 in., 3 in., 4 in., 5 in., 6 in., 8 in., 10 in. and 12 in. ID.

Plain Ends: Available on all sizes of hose.

Built in Nipples and Flanges: Available on all sizes of hose.

Notes on ordering: To be complete, orders for SELECTAPIPE® hose should specify the following:
A - ID
B - Length (Overall length if hose to have built-in ends)
C - Working pressure
D - Tube compound and thickness
E - Type ends or end fittings
F - With or without helix wire
G - Service application - as much detail as possible.

DYNAFLEX® PVC Standard Duty Suction Hose

Series 7560

This is a flexible hose that will withstand full suction and discharge pressure. It will handle a variety of liquid and solid materials such as water, slurry transfer, sewage, air, chemicals, grains and pellets. A versatile hose for agriculture, mining, construction and industry.
3:1 Design factor

Tube: Green PVC–Smooth
Cover: Green PVC–Smooth
Reinforcement: Rigid white PVC helix
Temp. Range: -5˚ F to +140˚ F

Part No.	ID (in.)	OD (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7560-750	3/4	19.1	1.050	26.7	20	3.0	120
7560-1000	1	25.4	1.220	31.0	25	4.0	120
7560-1250	1 1/4	31.8	1.500	38.1	32	5.1	120
7560-1500	1 1/2	38.1	1.790	45.5	39	5.9	110
7560-2000	2	50.8	2.300	58.4	57	8.6	95
7560-2500	2 1/2	63.5	2.900	73.7	74	11.4	70
7560-3000	3	76.2	3.350	85.1	99	13.7	60
7560-4000	4	101.6	4.470	113.5	160	18.9	50
7560-6000	6	152.4	6.600	167.6	310	31.5	45
7560-8000	8	203.2	8.800	223.5	523	48.4	35

LENGTHS: 100 ft. coils 3/4 in. through 6 in., 30 ft. straight lengths - 8 in..
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DYNAFLEX® PVC Multi-Purpose Suction Hose

Series 7561

Extremely lightweight and flexible for general service, low pressure applications. Will handle both full suction and discharge pressure, and smooth bore design allows unrestricted flow.
3:1 Design factor

Tube: Green PVC – Smooth
Cover: Green PVC – Corrugated
Reinforcement: Rigid white PVC spiral helix
Temp. Range: -5˚ F to +140˚ F

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP/68˚F	Max. Rec. WP/ 140˚F
7561-1500	1 1/2	38.1	1.790	45.5	33	2.0	80	25
7561-2000	2	50.8	2.300	58.4	46	3.0	65	20
7561-2500	2 1/2	63.5	2.870	72.9	60	5.0	60	20
7561-3000	3	76.2	3.300	83.8	75	7.0	45	15

LENGTHS: 100 ft. coils.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DYNAFLEX® PVC Transparent Suction/Discharge Hose – FDA

Series 7570

Designed to handle a variety of applications where a lightweight, flexible suction/discharge hose is required. A steel helix wire combined with a thick wall construction gives the hose excellent kink, abrasion and crush resistance. The transparency allows for easy inspection of product being conveyed. Flexible to -10˚ F. The steel helix wire provides static conductivity.
Meets CFR, Title 21 parts 170-199.
3:1 Design factor

Color: Transparent PVC
Construction: Multi-component PVC extrusion with helix wire
Temp. Range: -10˚ F to +120˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7570-750	3/4	19.1	1.020	25.9	21	3.0	100
7570-1000	1	25.4	1.340	34.0	34	3.5	85
7570-1250	1 1/4	31.8	1.630	41.4	42	6.3	75
7570-1500	1 1/2	38.1	1.940	49.3	52	7.5	75
7570-2000	2	50.8	2.500	63.5	84	9.8	75
7570-2500	2 1/2	63.5	3.200	81.3	121	12.0	55
7570-3000	3	76.2	3.630	92.2	148	15.0	55
7570-4000	4	101.6	4.720	119.9	235	19.7	35
7570-6000	6	152.4	6.950	176.5	429	23.0	30

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines.

Petroleum – Dispenser

FLEX-EVER™ 2000
Gasoline Pump Hose - UL330/ULC
Series 7280

IMPORTANT: REFER TO THE SAFETY AND TECHNICAL DATA INFORMATION SECTION FOR THE PROPER USE OF THIS HOSE.
Parker Dayco's premium gasoline dispenser hose. The dual helical wires of the heavy duty hardwall construction eliminates meter creep and helps prevent kinking. The Hypalon cover provides excellent ozone and abrasion resistance, resulting in longer service life. For use with gasohol blend, diesel, leaded, unleaded and oxygenated gasoline products. All assemblies are pressure and electrical conductivity tested per UL330 specifications. Blue, Green, Red and Yellow covers available on quotation.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Hypalon
Reinforcement: Multiple textile braids with dual helix wire
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7280 FLEX-EVER™ 2000 GASOLINE HOSE (UL) LISTED 655N MH530 (ULC) MADE IN USA DE2 (DATE CODE) PN16 TRbF131T.2
Brand Description: Tape Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7280-632	5/8	15.9	2	1.031	26.2	38	3.0	150
7280-752	3/4	19.1	2	1.172	29.8	45	4.0	150
7280-1002	1	25.4	2	1.453	36.9	60	5.0	150

LENGTHS: Random lengths on reels and assemblies.
COUPLINGS: Only assemblies are available from Parker/Dayco – no individual coupling sales.

FLEX-EVER™ 2000
Marine Refueling Hose - Blue Cover
Series 7280BLM

IMPORTANT: REFER TO THE SAFETY AND TECHNICAL DATA INFORMATION SECTION FOR THE PROPER USE OF THIS HOSE.
This hose is designed for fueling of various water craft. The abrasion resistant blue cover is highly visible and resists marking boats, decks and docks. Can be used with diesel, leaded, unleaded and oxygenated gasoline products.
4:1 Design factor

Tube: Black Nitrile
Cover: Blue NBR/PVC
Reinforcement: Multiple textile braids with dual helix wire
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7280BL FLEX-EVER™ 2000 MARINE REFUELING HOSE UL LISTED 655N MH530 MADE IN USA
Brand Description: Tape Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7280-752BLM	3/4	19.1	2	1.172	29.8	44	3.0	150
7280-1002BLM	1	25.4	2	1.453	36.9	60	4.0	150

LENGTHS: Random lengths on reels or assemblies.
COUPLINGS: Only assemblies are available from Parker/Dayco – no individual coupling sales.

SOFT-FLEX® 2000
Gasoline Pump Hose - UL330/ULC
Series 7114

IMPORTANT: REFER TO THE SAFETY AND TECHNICAL DATA INFORMATION SECTION FOR THE PROPER USE OF THIS HOSE.
SOFT-FLEX® 2000 hose is a quality softwall gasoline pump hose used in applications that do not require hardwall hose. The multiple spiral reinforcement provides increased strength over one or two braid hose without sacrificing flexibility or ease of handling. The Hypalon cover is highly resistant to cuts, abrasion, sun and weather, and will not scratch or mark vehicle finish. SOFT-FLEX® 2000 hose is for use with diesel; leaded, unleaded and oxygenated gasoline products.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Hypalon
Reinforcement: Multiple textile spirals with static wire
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7114 SOFT-FLEX® 2000 GASOLINE HOSE 4SP UL LISTED 655N MH530 MADE IN USA (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7114-63154	5/8	15.9	4	0.960	24.4	26	5.0	150
7114-75154	3/4	19.1	4	1.100	27.9	32	6.0	150
7114-100154	1	25.4	4	1.360	34.5	42	8.0	150

LENGTHS: Random lengths on reels for 5/8 in. & 3/4 in., in cartons for 1 in. Also available in assemblies.
COUPLINGS: Only assemblies are available from Parker/Dayco – no individual coupling sales.

SUPER-FLEX® 2000
Gasoline Pump Hose - UL330/ULC
Series 7124

IMPORTANT: REFER TO THE SAFETY AND TECHNICAL DATA INFORMATION SECTION FOR THE PROPER USE OF THIS HOSE.
SUPER-FLEX® 2000 is a high quality wire braid hose for use anywhere a hardwall hose is required. The single wire braid construction provides static conductivity, increased hose strength, resistance to crushing, and a long service life. The SUPER-FLEX® 2000 is usable on reeling devices or applications where retractable cables are required to handle diesel, leaded, unleaded, and oxygenated gasoline products. The Hypalon cover is highly resistant to cuts, abrasion, sun, weather, and will not scratch or mark vehicle finish.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Hypalon
Reinforcement: One wire braid
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7124 SUPER-FLEX® 2000 GASOLINE HOSE (UL) LISTED 655NMH530 (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7124-631	5/8	15.9	1	0.969	24.6	34	3.0	150
7124-751	3/4	19.1	1	1.090	27.7	39	4.0	150
7124-1001	1	25.4	1	1.340	34.0	49	5.0	150

LENGTHS: Random lengths on nominal 500 ft. reels and assemblies.
COUPLINGS: Only assemblies are available from Parker/Dayco - no individual coupling sales.

PETROFLEX™ 2000
Balance Vapor Recovery Hose - UL330/CARB With Venturi Device
Series 7574BTF**

This specially designed system, a hose within a hose, is required for compliant Environmental Protection Agency (EPA) Stage II vapor recovery gasoline dispensers that require a balance vapor recovery hose with a liquid removal device. The lightweight, flexible, and easy to handle hose, weighs about the same as a conventional 3/4 in. hose. The couplings mate with all Balance Vapor Recovery dispensers and nozzles. UL and California Air Resources Board (CARB) approved. Covered by one or more U.S. patents and pending applications. Refer to CARB's Executive Orders for hose and dispenser applications.

For non-Venturi Model, see Series 7574BTN

Inner Hose

Tube: Black Synthetic Rubber
Cover: Black Synthetic Rubber
Reinforcement: One textile braid with static wire

Outer Hose

Tube: Black TPR
Cover: Black TPR
Reinforcement: Helix wire encapsulated in TPR

Part No.	Inner Hose ID (in.)	Inner Hose ID (mm)	Inner Reinf. Braids	Outer Hose ID (in.)	Outer Hose ID (mm)	System OD (in.)	System OD (mm)	Approx. Weight Per Ft.	Max. Recom. WP (PSI)
7574BTF**	5/8	15.9	1	1 1/2	38.1	1.700	43.2	.5 lbs	150

**inches of length

LENGTHS: Assemblies only.
COUPLINGS: Special PETROFLEX vapor recovery couplings 1 7/8 in. –12UN-2A threads- no maintenance required.
CLAMPS: Special Parker Dayco retractor cable hose clamp 7658-0017.

PETROFLEX™ 2000
Balance Vapor Recovery Hose - UL330/CARB Without Venturi Device
Series 7574BTN

This specially designed system, a hose within a hose, is required for compliant Environmental Protection Agency (EPA) Stage II vapor recovery gasoline dispensers. The lightweight, flexible, and easy to handle hose, weighs about the same as a conventional 3/4 in. hose. The couplings mate with all Balance Vapor Recovery dispensers and nozzles. UL and California Air Resources Board (CARB) approved. Covered by one or more U.S. patents and pending applications. Refer to CARB's Executive Orders for hose and dispenser applications.

For Venturi Model, see Series 7574BTF

Inner Hose

Tube: Black Synthetic Rubber
Cover: Black Synthetic Rubber
Reinforcement: One textile braid with static wire

Outer Hose

Tube: Black TPR
Cover: Black TPR
Reinforcement: Helix wire encapsulated in TPR

Part No.	Inner Hose ID (in.)	Inner Hose ID (mm)	Reinf. Braids	Outer Hose ID (in.)	Outer Hose ID (mm)	System OD (in.)	System OD (mm)	Approx. Weight Per Ft.	Max. Recom. WP (PSI)
7574BTN-**	5/8	15.9	1	1 1/2	38.1	1.700	43.2	.5 lbs.	150

**inches of length

LENGTHS: Assemblies only.
COUPLINGS: Special PETROFLEX vapor recovery couplings 1 7/8 in. -12UN-2A threads- no maintenance required.
CLAMPS: Special Parker/Dayco retractor cable hose clamp 7658-0017.

FLEX-EVER ULTIMATE™ VR
Active Vapor Recovery System
Series 7246 BVX

IMPORTANT: REFER TO THE SAFETY AND TECHNICAL DATA INFORMATION SECTION FOR THE PROPER USE OF THIS HOSE.
Series 7246 Flex-Ever is the ultimate for all vacuum-assisted dispensers. It's lightweight and flexible, with a new swivel end coupling design for easier handling and longer life. The kink resistant outer hose protects the inner hose. Flex-Ever's crimped-on 5/16 in. inner vapor line provides proper vapor flow levels and maximum coupling retention. The entire system is formulated to withstand oxygenated and blended fuels, in addition to being 100% factory tested for pressure and conductivity. UL listed, CARB, Cal-OSHA, California Weights and Measures and State Fire Marshall approved.
4:1 Design factor

Tube: Black Nitrile
Special Grade Nylon - Inner Vacuum Line
Cover: Black Hypalon, wrap impression
Reinforcement: High tensile textile braids and helix wires
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7246 FLEX-EVER ULTIMATE VR ACTIVE VAPOR RECOVERY STEEL HELIX REINFORCED UL LISTED 30N4 MH13583 VAPOR RECOVERY FLAMMABLE LIQUID HOSE ASSEMBLY MADE IN USA DE2 3/97 CARB APPROVED
Brand Description: White Ink - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7246BVX-***	3/4	19.1	2	1.172	29.8	45.2	3.0	150

LENGTHS: Assembled to order only - *** add length in inches.
COUPLINGS: Special metric M34 threads. BVX = Rigid by Swivel. BVXS = Swivel each end.

FLEX-EVER ULTIMATE II VR
Active Vapor Recovery Hose
Series 7253 BVD

Series 7253 Flex-Ever is the ultimate 7/8 in. for all inverted vacuum-assisted dispensers. It's lightweight and flexible, with a frictionless swivel coupling design for easier handling and longer life. The rugged, kink resistant outer hose protects the inner hose. Flex-Ever's crimped-on 5/16 in. inner vapor line provides proper vapor flow levels and maximum coupling retention. The entire system is formulated to withstand oxygenated and blended fuels. All 7253 assemblies are 100% factory tested for pressure and conductivity ratings. UL, CARB, Cal-OSHA, California Weights and Measures, and State Fire Marshall approved.
4:1 Design factor

Tube: Black Nitrile
Special Grade Nylon - Inner Vacuum Line
Cover: Black Hypalon, wrap impression
Reinforcement: High tensile textile braids and helix wires
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7253BVD FLEX-EVER ULTIMATE II VR ACTIVE VAPOR RECOVERY STEEL HELIX REINFORCED UL LISTED 30N4 MH13583 VAPOR RECOVERY
Brand Description: Ink Brand - White Letter Color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7253BVD-***	7/8	22.2	2	1.301	54.3	54.3	3.0	150

LENGTHS: Assembled to order only - *** add length in inches.
COUPLINGS: Special metric M34 threads.

Farm Pump/Gravity Tank Hose

Series 7173 - RED COVER
Series 7174 - BLACK COVER
No Static Wire - NOT U.L. Listed

For dispensing oil, leaded and unleaded gasoline and diesel fuel from hand pump and gravity feed farm pumps, skid tanks, drums and storage tanks.

WARNING! Not for service station use! The proliferation of self-service gas station has created a situation where millions of consumers are daily operators of gasoline pumps. Proper hose selection must take into consideration the amount of use and abuse a hose must withstand during its service life. Only the highest quality, thoroughly tested, UL 330 listed hose must be selected for service station applications. The proper hose plus constant inspection is the best protection against user accidents. DO NOT USE PARKER/DAYCO FARM PUMP/ GRAVITY TANK HOSE FOR FUELING OF AIRCRAFT!

Tube: Black Nitrile
Cover: Black or Red Neoprene – Smooth Cover
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7173 FARM PUMP/GRAVITY TANK FUEL HOSE 3/4 in. ID–50 PSI MAX WP, MADE IN USA DE 1 (month/year)
Brand Description: White Ink

Part No.	ID (in.)	OD (in.)	Approx. Wt./100 Ft. (lbs.)	Reinf. Layers (spiral)	Min. Bend Radius (in.)	Max. Rec. WP PSI
7173-75052	3/4	1.0625	29	2	5.0	50
7174-75052	3/4	1.0625	29	2	5.0	50
7173-100052	1	1.375	46	2	8.0	50
7174-100052	1	1.375	46	2	8.0	50

LENGTHS: Random length reels (-50 ft. /+0 ft.) 80% 1 piece, 20% 2 piece. 50 ft. min. length. 1 in. = 300 ft. reels - 3/4 in. = 400 ft. reels.

COUPLINGS: Externally crimped NPT couplings - no individual coupling sales, which are sold or quoted seperately. For other coupling recommendations refer to NAHAD Assembly Guidelines.

Petroleum – Dispenser

Petroleum – Transport

Gold Label® Corrugated Light Weight Tank Truck Hose

Series 7222 - Black Cover

Series 7223 - Red Cover

An extremely flexible rubber hose used for the transfer of petroleum products, the hose is lighter weight and more durable than plastic hose. The hose is designed for full suction, discharge service and Stage I vapor recovery applications. GOLD LABEL® hose won't pin-hole in hot weather and won't crack in cold weather. The wide corrugation provides superior kink resistance and outstanding flexibility while eliminating the need for banding sleeves.
4:1 Design factor

Tube: Black Nitrile
Cover: Black or Red Neoprene
Reinforcement: Multiple textile plies with helix wires
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7222 GOLD LABEL LIGHT WEIGHT TANK TRUCK HOSE 150 PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - Black letters on gold stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7222-150150	1 1/2	38.1	2	2.008	51.0	91	3.0	150
7222-200150	2	50.8	2	2.528	64.2	123	4.0	150
7222-250150	2 1/2	63.5	2	3.028	76.9	152	5.0	150
7222-300150	3	76.2	2	3.542	90.0	189	5.0	150
7222-400150	4	101.6	2	4.565	116.0	256	6.0	150
7223-2000	2	50.8	2	2.528	64.2	106	4.0	150
7223-2500	2 1/2	63.5	2	3.028	76.9	139	5.0	150
7223-3000	3	76.2	2	3.542	90.0	173	5.0	150
7223-4000	4	101.6	2	4.565	116.0	228	6.0	150

LENGTHS: 100 ft. is standard. Special Lengths up to 200 ft. on quotation. Contact Customer Satisfaction Center.

COUPLINGS: Coupling style 6, 7, 10, 11, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

TRANSLITE® Tank Truck Hose
Series 7216 - BLACK
Series 7217 - RED

A lightweight and flexible hose used in the transfer of gasoline, alcohol blended fuels, diesel fuels and other petroleum products. The hose is designed for full suction and discharge applications.
4:1 Design factor

Tube: Black Nitrile
Cover: Black or Red Neoprene
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7216 TRANSLITE® TANK TRUCK HOSE XXX PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - Black letters on orange stripe - 7216
Red letters on white stripe - 7217

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7216-1002	1	25.4	2	1.364	34.6	46	2.0	150
7216-1252	1 1/4	31.8	2	1.670	42.4	65	3.0	150
7216-1502	1 1/2	38.1	2	1.960	49.8	92	4.0	150
7216-2002	2	50.8	2	2.512	63.8	120	6.0	150
7216-2502	2 1/2	63.5	2	3.028	76.9	155	9.0	150
7216-3002	3	76.2	2	3.552	90.2	198	12.0	150
7216-4002	4	102.0	2	4.626	117.5	360	16.0	150
7216-5004	5	127.0	4	5.748	146.0	487	39.0	100
7216-6004	6	152.4	4	6.772	172.0	546	48.0	75
7216-8004*	8	203.2	4	8.888	225.8	812	72.0	75

LENGTHS: 100 ft.; 8 in. = 50 ft. – Lengths up to 200 ft. available on quotation, contact Customer Satisfaction Center.

COUPLINGS: Coupling style 6, 7, 10, 11, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

Heavy Duty Fuel Suction and Discharge Hose

Series 7330

Designed for **heavy duty** service in the transfer of petroleum products including gasoline, oil, and diesel fuels. The hose is designed for suction and discharge applications.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: Multiple textile plies with helix and static wire
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7330 HD TANK TRUCK XXX PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - Red letters on white stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7330-1250	1 1/4	31.8	2	1.686	42.8	71	6.0	250
7330-1500	1 1/2	38.0	2	1.976	50.2	100	8.0	250
7330-2000	2	50.8	4	2.622	66.6	166	8.0	250
7330-3000	3	76.2	4	3.654	92.8	241	15.0	250
7330-4000	4	101.6	4	4.812	122.2	387	20.0	250
7330-6000	6	152.4	4	6.906	175.4	665	36.0	200

LENGTHS: 100 ft. Other lengths on quotation up to 200 ft. continuous.
COUPLINGS: Coupling style 2, 3, 6, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Oil Suction/Discharge Hose

Series 7302 - 200 PSI – Series 7372 - 150 PSI

MADE-TO-ORDER

Designed for heavy-duty use in transferring petroleum products from barges or tankers to on-shore storage tanks or pipelines. Designed for full suction and discharge applications. Meets Coast Guard specifications. Also available with viton tube.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -30˚ F to +185˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7302-40*	4	101.6	528	200
7302-60*	6	152.4	885	200
7302-80*	8	203.2	1879	200
7302-100*	10	254.0	2365	200
7302-120*	12	304.8	3246	200
7372-40*	4	101.6	497	150
7372-60*	6	152.4	842	150
7372-80*	8	203.2	1759	150
7372-100*	10	254.0	2223	150
7372-120*	12	304.8	3077	150

LENGTHS: *Add length in ft. to complete part number (max. 50 ft. for 4 in. - 8 in., max. 45 ft for 10 in. - 12 in.).
COUPLINGS: Contact Parker/Dayco for built-in or swaged steel nipples and flanges, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Transport Fuel Discharge Hose - Softwall

Series 7224 - RED COVER
Series 7225 - BLACK COVER

This hose is used in truck mounted transport service applications, which include discharge of gasoline, oil and fueling of diesel locomotives, buses and trucks.
4:1 Design factor

Tube: Black Nitrile
Cover: Red or Black Neoprene
Reinforcement: Multiple textile plies with static wire
Temp. Range: -20˚ F to +180˚ F
Branding:
7224 PARKER/DAYCO SERIES 7224 FUEL DISCHARGE 200 PSI MAX WP MADE IN USA 001
7225 PARKER/DAYCO SERIES 7225 FUEL DISCHARGE 200 PSI MAX WP MADE IN USA 001
Brand Description:
7224 - Tape Brand - Red letters on black stripe
7225 - Tape Brand - Black letters on red stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-1500	1 1/2	38.1	2	2.000	50.8	84	9.0	200
-2000	2	50.8	2	2.504	63.6	108	11.0	200
-3000	3	76.2	2	3.504	89.0	161	12.0	200
-4000	4	101.6	2	4.536	115.2	209	20.0	200

LENGTHS: 100 ft. is standard. Special Lengths up to 200 ft. on quotation. Contact Customer Satisfaction Center.
COUPLINGS: Coupling style 6, 7, 10, 11, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

Heavy Duty Fuel Discharge Hose

Series 7351

Softwall petroleum transfer hose for heavy duty service. The high grade nitrile tube will handle gasoline, oil and diesel fuel. The high grade Neoprene cover is resistant to weather, oil and abrasion.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: Multiple textile plies with static wire
Temp. Range: -22˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7351 FUEL DISCHARGE HOSE XXX PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - White letters on red stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7351-2000	2	50.8	4	2.716	69.0	170	24	200
7351-3000	3	76.2	4	3.780	96.0	262	36	200
7351-4000	4	102.0	4	4.772	121.2	320	48	200
7351-6000	6	152.4	4	6.812	173.0	501	72	150
7351-8000	8	203.2	4	8.646	219.6	500	96	150

LENGTHS: 100 ft.
COUPLINGS: Coupling style 2, 3, 6, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Hot Tar and Asphalt Hose

Series 7290

Designed for bulk transfer and delivery of hot petroleum products and hot wax. Will handle full suction and discharge pressures.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -20˚ F to +350˚/400˚ F
Branding: PARKER/DAYCO USA 7290 HOT TAR & ASPHALT HOSE XXX PSI MAX WP 001
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7290-1000	1	25.4	4	1.559	39.6	76	3.0	200
7290-1500	1 1/2	38.0	4	2.125	54.0	127	4.0	175
7290-2000	2	50.8	4	2.630	66.8	163	6.0	175
7290-3000	3	76.2	4	3.701	94.0	280	12.0	150
7290-4000	4	102.0	4	4.717	119.8	365	16.0	100

LENGTHS: 100 ft. – other lengths on quotation, contact Customer Service.
COUPLINGS: Coupling style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MPW - 1000® Multi-Purpose Hose

Series 7204

This versatile multi-purpose hose is ideal for rugged service in many industrial and high pressure steam cleaning applications. In addition to air and water service, the oil resistant tube and cover will handle a variety of acids and chemicals. Suitable for saturated steam service to 150 PSI and temperatures to 368˚ F. Also suitable to convey hot tar, wax and glue at 300˚ F continuous, 350˚ F intermittent.
4:1 Design factor (10:1 for 150 PSI steam applications)

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: One wire braid
Temp. Range: -20˚ F to +300˚/350˚/368˚ F (steam)
Branding: PARKER/DAYCO 7204 - MPW 1000 PSI MAX WP (DATE CODE) MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Max. Steam WP
7204-381	3/8	9.5	2	0.781	19.8	28	5.0	1000	150
7204-501	1/2	12.7	2	0.906	23.0	34	7.0	1000	150
7204-751	3/4	19.1	2	1.187	30.1	52	9.5	1000	150
7204-1001	1	25.4	2	1.500	38.1	75	12.0	1000	150

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft. 5 pieces max. per reel with 50 ft. length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

GOLD LABEL® Aircraft Refueling Hose

Series 7300

Aircraft refueling is a critical application which requires a hose that meets the applicable standards such as NFPA 407, API 1529 and BS 3158 specifications including 100% pressure testing and cleaning of the completed hose assemblies. Care should be taken that the hose is not kinked, dragged, run over by vehicles, or otherwise abused. Frequently inspect the hose for cover cuts, gouges, reinforcement exposure, coupling movement, or leakage, any signs of the mentioned requires the hose assembly to be removed from service immediately and discarded. Hydrostatically pressure test at twice the normal working pressure of the assembly periodically.

DO NOT use gasoline curb pump hose for refueling of aircraft.

The one hose to service the majority of commercial, military and private aircraft fueling requirements. The GOLD LABEL® hose system meets or exceeds all current API 1529/89/Type C:Grade 2, BSEN1361:1997, Type C and NFPA 407/96 standards. The high grade nitrile tube reduces the risk of contamination of fuel and fuel delivering system, while the multiple braided reinforcement provides improved kink resistance, excellent coupling retention and unsurpassed burst strength. The semi-conductive neoprene cover offers excellent abrasion, ozone and oil resistance, which prolongs the service life of the hose.
4:1 Design factor

Tube:		Black Nitrile
Cover:		Black semi-conductive Neoprene
Reinforcement:		Multiple textile braids
Temp. Range:		-40˚ F to +158˚ F
Branding:	**Side 1**	PARKER/DAYCO AIRCRAFT FUELING SERIES 7300 1 ID API 1529/98/C/2-EN1361/97/C-NFPA 407 MAX WP 300 PSI (DATE CODE) 001 MADE IN USA
Brand Description:		Embossed
Branding:	**Side 2**	PARKER/DAYCO GOLD LABEL AIRCRAFT REFUELING HOSE - MADE IN USA
Brand Description:		Tape Brand - Gold letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7300-1002K	1	25.9	2	1.540	39.1	66	8	300
7300-1252K	1 1/4	32.3	2	1.790	45.5	79	9	300
7300-1502K	1 1/2	38.1	2	2.080	52.8	102	12	300
7300-2002K	2	51.6	2	2.640	67.1	141	29	300
7300-2502K	2 1/2	63.5	2	3.210	81.5	201	30	300
7300-3003K	3	76.2	3	3.786	96.2	264	36	300
7300-4003K	4	101.6	3	5.000	127.0	451	48	300

LENGTHS: Random lengths 45 ft. to 150 ft. sold as assemblies and 100% tested by Parker/Dayco or Parker/Dayco Certified Couplers.

COUPLINGS: Only coupled assemblies are available from Parker/Dayco. No individual couplings for resale.

Deadman Twin Sensing Hose

Series 7139

Designed for deadman systems that connect hand control to hydrant and refueling trucks. The nitrile tube resists compressor oil while the cover is oil, abrasion and weather resistant.
4:1 Design factor

Tube: Black Nitrile
Cover: Green and Red Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: -30˚ F to +200˚ F
Branding: PARKER/DAYCO SERIES 7139 DEADMAN TWIN HOSE 1/4 ID (6.4 MM) 200 PSI MAX WP MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7139-251	1/4	6.4	2	0.531	13.5	19	2.0	200

LENGTHS: 725 ft. maximum, 400 ft. minimum, 3 pieces maximum, 50 ft. minimum length.
COUPLINGS: Coupling style 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Twin Sensing Hose - Green & Yellow

Series 7140

This hose is designed for air and fuel sensing service on aircraft refueling systems. The hose consists of an oil and fuel resistant nitrile tube and an abrasion, oil and weather resistant cover.
4:1 Design factor

Tube: Black Nitrile
Cover: Green and Yellow Neoprene
Reinforcement: Multiple Textile Spirals
Temp. Range: -30˚ F to +200˚ F
Branding: PARKER/DAYCO SERIES 7140 TWIN SENSING HOSE 3/8 ID (9.5 MM) 250 PSI
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7140-381	3/8	9.5	2	0.656	16.7	29	3.0	250

LENGTHS: 700 ft. max., 400 ft. min., 3 pieces max., 50 ft. min. length.
COUPLINGS: Coupling style 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

SAE 30R7 Fuel Line and Vapor Emission Hose

Gasoline and Vapor Emission Hose manufactured to meet SAE 30R7 specifications. Durable cover resists deterioration from oil, grease, heat and ozone and gives long service life.
4:1 Design factor

Tube: Black NBR
Cover: Black Neoprene
Reinforcement: Textile Spirals
Temp. Range: -30˚ F to +250˚ F
Branding: 3/16 in. ID FUEL/VAPOR LINE SAE30R7 (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39553	3/16	4.8	2	0.406	10.3	7	2.0	75
39550	1/4	6.4	2	0.500	12.7	10	2.0	50
39551	5/16	7.9	2	0.563	14.3	11	3.0	50
39552	3/8	9.5	2	0.625	15.9	14	3.5	50

LENGTHS: 250 ft. per spool, max 3 pcs. No piece shorter than 25 ft. One spool per carton.
COUPLINGS: Coupling style 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Petroleum – Transport

Petroleum – LP Gas

L.P. Gas Hose - U.L. 21 - CGA Type I
Series 7132 - Spiral

WARNING! For LP and †Natural Gas use only! Do not use in anhydrous ammonia or refrigeration applications! Do NOT use male swivel couplings or screw-together re-attachable fittings or any type of couplings that use O-Ring sealing surfaces!

For conveyance of LP Gas products where a 3/16 in. through 1 in. ID is required. Meets or exceeds all Underwriter Laboratories (UL®) 21 requirements as well as CGA (Canadian Gas Association) Type 1, LP Gas hose requirements.

Can be used for natural gas with †application specific criteria. The molecules of natural gas are small, enhancing its ability to permeate through standard rubber or PVC hose constructions. The permeation process is more rapid as the working pressure increases, and natural gas accumulates with potentially dangerous consequences. Use pipe, non-permeable tubing or hose with barrier constructions to convey natural gas. Series 7132 L.P. Gas hose can be used for natural gas service, but ONLY under the following conditions:

† Maximum working pressure of the application not to exceed 50 PSI.
The application must be in an outside (non-enclosed) environment.
Applications that are in an enclosed environment or greater than 50 PSI working pressure are not recommended.
Do not use LPG hose for fuel hose in vehicles using CNG (Compressed Natural Gas).
In Natural Gas applications, copper, brass, or other copper-containing fittings should be in accordance to the AGA rating of the particular apparatus.
The hose used with Natural Gas should be subjected to the same rigorous tests and inspection as if it were being used with LPG.

5:1 Design factor

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +180˚ F (NOTE: The hose construction is capable of this rating, however, LP Gas should **NEVER** be conveyed over 140˚ F)
Branding: PARKER/DAYCO 7132 CGA TYPE I CAUTION - LP GAS HOSE MH6737 UR® (UL® Recognized component, with backwards "R") ISSUE NO. XXXX 350 PSI MAX WP MADE IN USA DE1 (DATE CODE)
Brand Description: Impression Brand

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7132-19352	3/16	4.8	2	0.510	13.0	11	2.0	350
7132-25354	1/4	6.4	4	0.610	15.5	15	2.5	350
7132-31354	5/16	7.9	4	0.690	17.5	19	3.0	350
7132-38354	3/8	9.5	4	0.760	19.1	22	3.5	350
7132-50354	1/2	12.7	4	0.937	23.8	31	4.5	350
7132-75354	3/4	19.1	4	1.250	31.8	51	6.5	350
7132-75354100	3/4	19.1	4	1.250	31.8	51	6.5	350
7132-75354125	3/4	19.1	4	1.250	31.8	51	6.5	350
7132-75354150	3/4	19.1	4	1.250	31.8	51	6.5	350
7132-100354	1	25.4	4	1.500	38.1	62	7.5	350
7132-100354100	1	25.4	4	1.500	38.1	62	7.5	350
7132-100354125	1	25.4	4	1.500	38.1	62	7.5	350
7132-100354150	1	25.4	4	1.500	38.1	62	7.5	350
7132-100354200	1	25.4	4	1.500	38.1	62	7.5	350

LENGTHS: Reels, 90% 1 piece, 10% 2 piece, minimum length 50 ft. with a + 50 ft./-0 ft. reel footage tolerance.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of catalog for coupling details.

L.P. Gas Hose - U.L. 21 - CGA Type I
Series 7232

WARNING! For LP Gas use only! Do not use in anhydrous ammonia or refrigeration applications! Do NOT use male swivel couplings or screw-together re-attachable fittings or any type of couplings that use O-Ring sealing surfaces!

For conveyance of LP Gas products where a 1 1/4 in. through 2 in. ID is required. Meets or exceeds all Underwriter Laboratories (UL®) 21 requirements as well as CGA (Canadian Gas Association) Type 1, LP Gas hose requirements.

Can be used for natural gas with †application specific criteria. The molecules of natural gas are small, enhancing its ability to permeate through standard rubber or PVC hose constructions. The permeation process is more rapid as the working pressure increases, and natural gas accumulates with potentially dangerous consequences. Use pipe, non-permeable tubing or hose with barrier constructions to convey natural gas. Series 7232 L.P. Gas hose can be used for natural gas service, but ONLY under the following conditions:

† Maximum working pressure of the application not to exceed 50 PSI.
The application must be in an outside (non-enclosed) environment.
Applications that are in an enclosed environment or greater than 50 PSI working pressure are not recommended.
Do not use LPG hose for fuel hose in vehicles using CNG (Compressed Natural Gas).
In Natural Gas applications, copper, brass, or other copper-containing fittings should be in accordance to the AGA rating of the particular apparatus.
The hose used with Natural Gas should be subjected to the same rigorous tests and inspection as if it were being use with LPG.

5:1 Design factor

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: Multiple textile braids
Temp. Range: -40˚ F to +180˚ F (NOTE: The hose construction is capable of this rating, however, LP Gas should **NEVER** be conveyed over 140˚ F during conveyance.)
Branding: Side 1: PARKER/DAYCO 7232 CGA TYPE I CAUTION - LP GAS HOSE MH6737 UR® (UL® Recognized component, with backwards "R") ISSUE NO. XXXX 350 PSI MAX WP MADE IN USA Type brand
Side 2: PARKER/DAYCO LP GAS HOSE
Brand Description: Emboss Brand and Black letter color, Yellow background

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7232-1252	1-1/4	31.8	2	1.815	46.1	85	12.0	350
7232-1252100	1-1/4	31.8	2	1.815	46.1	85	12.0	350
7232-1503K	1-1/2	38.1	3	2.156	54.8	112	14.0	350
7232-2003K	2	50.8	3	2.750	69.9	177	16.0	350

LENGTHS: 1-1/4 in. reels are max. 3 pieces, 25 ft. min. length. 1-1/2 in. and 2 in. are 150 ft. pkg., max. 3 pieces with 40 ft. min. length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of catalog for coupling details.

L.P. Gas Hose - U.L. 21 Stainless Steel
Series 7231

WARNING! For LP Gas use only! Do not use in anhydrous ammonia or refrigeration applications! Do NOT use male swivel couplings or screw-together re-attachable fittings or any type of couplings that use O-Ring sealing surfaces!

Developed for connections in bulk plant or trucks where piping would be inefficient.

Can be used for natural gas with †application specific criteria. The molecules of natural gas are small, enhancing its ability to permeate through standard rubber or PVC hose constructions. The permeation process is more rapid as the working quences. Use pipe, non-permeable tubing or hose with barrier constructions to convey natural gas. Series 7231 L.P. Gas hose can be used for natural gas service, but ONLY under the following conditions:

† Maximum working pressure of the application not to exceed 50 PSI.
The application must be in an outside (non-enclosed) environment. Applications that are in an enclosed environment or greater than 50 PSI working pressure are not recommended.
Do not use LPG hose for fuel hose in vehicles using CNG (Compressed Natural Gas).
In Natural Gas applications, copper, brass, or other copper-containing fittings should be in accordance to the AGA rating of the particular apparatus.
The hose used with Natural Gas should be subjected to the same rigorous tests and inspection as if it were being used with LPG.

5:1 Design factor

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: One or multiple stainless steel braids
Temp. Range: -40˚ F to +180˚ F (NOTE: The hose construction is capable of this rating, however, LP Gas should **NEVER** be conveyed over 140˚ F during conveyance.)
Branding: PARKER/DAYCO 7231 CGA TYPE I CAUTION - LP GAS HOSE MH6737 UR® (UL® Recognized component, with backwards “R”) ISSUE NO. XXXX 350 PSI MAX WP MADE IN USA DE2 (DATE CODE)
Brand Description: Type Brand - Black letter color, Blue background

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7231-751*	3/4	19.1	1	1.250	31.8	61	10.0	350
7231-1001	1	25.4	1	1.500	38.1	78	12.0	350
7231-1251	1 1/4	31.8	1	1.750	44.5	96	16.5	350
7231-1501K	1 1/2	38.1	1	2.000	50.8	107	20.0	350
7231-2002K	2	50.8	2	2.625	66.7	177	25.0	350

LENGTHS: 3/4 in. & 1 in., 200 ft. per carton +/- 10% 4 pc. Max. 25 ft. min.
– 1-1/4 in., 100 ft. per carton +/- 20 %, 2 pc. Max. 10 ft. min.
– 1-1/2 in. & 2 in., 150 ft. per carton, 4 pc. Max. 10 ft. min.
lengths in carton.

COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of catalog for coupling details.

LP Gas Hose U.L. 569, CGA Type I
Series 7170

WARNING! For LP and †Natural Gas use only! Do not use in anhydrous ammonia or refrigeration applications! Do NOT use male swivel couplings or screw-together re-attachable fittings or any type of couplings that use O-Ring sealing surfaces!

This hose is intended for use in the assembly of flexible hose connectors for conveyance of LP Gas products for use on barbecue grills, portable heaters, weed burning apparatus and similar applications. Meets or exceeds all Underwriter Laboratories (UL) 569 requirements, as well as the CGA (Canadian Gas Association) Type 1 LP Gas hose requirements.

Can be used for natural gas with †application specific criteria. The molecules of natural gas are small, enhancing its ability to permeate through standard rubber or PVC hose constructions. The permeation process is more rapid as the working pressure increases and natural gas accumulates with potentially dangerous consequences. Use pipe, non-permeable tubing or hose with barrier constructions to convey natural gas. Series 7170 L.P. Gas hose can be used for natural gas service, but ONLY under the following conditions:

† Maximum working pressure of the application not to exceed 50 PSI.
The application must be in an outside (non-enclosed) environment. Applications that are in an enclosed environment or greater than 50 PSI working pressure are not recommended.
Do not use LPG hose for fuel hose in vehicles using CNG (Compressed Natural Gas).
In Natural Gas applications, copper, brass, or other copper-containing fittings should be in accordance to the AGA rating of the particular apparatus.
The hose used with Natural Gas should be subjected to the same rigorous tests and inspection as if it were being used with LPG.

5:1 Design factor

Tube: Black Nitrile blend
Cover: Perforated Black Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +180˚ F
NOTE: The hose construction is capable of this rating, however, LP Gas should **NEVER** be conveyed above 140˚ F)
Branding: PARKER/DAYCO 7170 CGA TYPE 1 CAUTION - LP GAS HOSE 5 PSI / 350 PSI UR® (UL® Recognized component with backwards ”R”) MH11955 MADE IN USA (DATE CODE)
Brand Description: Impression Brand

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP Vapor/Liquid
7170-25354	1/4	6.4	4	0.590	15.0	11	2.5	5 / 350
7170-31354*	5/16	7.9	4	0.690	17.5	17	3.0	5 / 350
7170-38354	3/8	9.5	4	0.750	19.1	20	3.5	5 / 350

LENGTHS: Exact length reels, 90% 1 piece, 10% 2 piece, 50 ft. min. length. Reel footage tolerance is +50 ft./-0 ft..1/4 in. = 700 ft., 5/16 in. = 650 ft., 3/8 in. = 550’. UPS shippable “E” reels are 1/4 in. = 350 ft., 3/8 in. = 300 ft., both are +/-50 ft.

COUPLINGS: Coupling style 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

*Non-Stock

LP Gas Vapor Hose
Series 7122

This product is designed for use as a light duty, low pressure LP vapor transfer hose. It is recommended for applications such as space heaters used in chicken brooders and other farm and industrial applications.
Must be used in an outside or open environment.
4:1 Design factor

CAUTION: This hose should never exceed 125 PSI internal working pressure. This hose was designed for LP GAS - VAPOR ONLY type service. Not to be used for liquid LPG or barbecue grills - not UL listed.

Tube: Black Nitrile
Cover: Red Neoprene, pin pricked
Reinforcement: Multiple Textile Spirals
Temp. Range: -20˚ F to +160˚ F
Branding: PARKER/DAYCO SERIES 7122 LPG VAPOR HOSE 125 PSI MAX WP MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7122-38200	3/8	9.5	2	0.656	16.7	14.9	3.8	125

LENGTHS: Exact 650 ft. reels, +50 ft./-0 ft. 90% 1 piece, 10% 2 piece, 50 ft. minimum length

COUPLINGS: Coupling style 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

L.P. Gas Hose - UL 21 - Stainless Steel

Series 7233 - Rubber Cover Series 7243 - Textile Cover

WARNING! For LP and †Natural Gas use only! Do not use in anhydrous ammonia or refrigeration applications! Do NOT use male swivel couplings, or any type of couplings that use O-Ring sealing surfaces!

Developed for applications wherever a strong, corrosion resistant LP Gas hose is desired. The special low extract tube handles propane or butane in liquid and gas form.

Can be used for natural gas with †application specific criteria. The molecules of natural gas are small, enhancing its ability to permeate through standard rubber or PVC hose constructions. The permeation process is more rapid as the working pressure increases and natural gas accumulates with potentially dangerous consequences. Use pipe, non-permeable tubing or hose with barrier constructions to convey natural gas. Series 7233/7243 L.P. Gas hose can be used for natural gas service, but ONLY under the following conditions:

† Maximum working pressure of the application not to exceed 50 PSI.
The application must be in an outside (non-enclosed) environment. Applications that are in an enclosed environment or greater than 50 PSI working pressure are not recommended.
Do not use LPG hose for fuel hose in vehicles using CNG (Compressed Natural Gas).
In Natural Gas applications, copper, brass, or other copper-containing fittings should be in accordance to the AGA rating of the particular apparatus.
The hose used with Natural Gas should be subjected to the same rigorous tests and inspection as if it were being used with LPG.

5:1 Design factor

Tube: Black Nitrile
Cover: Perforated Black Neoprene or rubber impregnated textile braid
Reinforcement: One stainless steel braid
Temp. Range: -40˚ F to +180˚ F (NOTE: Hose is capable of this rating. However, LPG should **NEVER** be elevated above 140˚ F during conveyance.)
Branding: PARKER/DAYCO USA 7233 SS LP GAS HOSE MH6737 UL® ISSUE NO. XXX 350 PSI MAX WP (DATE CODE) DE2- CAUTION- FOR LP GAS USE ONLY - 1750 PSI MIN BURST
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
Rubber Cover								
7233-311	5/16	7.9	1	0.675	17.1	19	4.0	350

AVAILABILITY: Stock
LENGTHS: Random lengths on nominal 500 ft. reels, max. 5 pieces per reel, 25 ft. minimum length.
COUPLINGS: Coupling style 8, Parker/Dayco series BN, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
Textile Cover								
7243-251025*	1/4	6.4	1	0.581	14.8	15	1.7	350
7243-311	5/16	7.9	1	0.675	17.1	19	2.0	350
7243-401*	13/32	10.3	1	0.766	19.5	23	2.3	350
7243-501025*	1/2	12.7	1	0.922	23.4	29	2.8	350

AVAILABILITY: Stock; *non-stock. 5000 ft. MOQ
LENGTHS: Random lengths on nominal 450 ft. reels, max. 5 pieces per reel, 25 ft. minimum length.
COUPLINGS: Coupling style 8, Parker/Dayco series BN, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Petroleum – LP Gas

Oil Field

BS & W™ Oilfield Suction Hose

Series 7208 - Smooth Cover

CAUTION: Not to be used for Refined Petroleum Products

An economical, lightweight, and flexible hose designed for the transfer of crude oil and brine water. Specially designed for oilfield waste pit recovery service. Smooth cover.

Tube: Special black synthetic rubber compound
Cover: Special black synthetic rubber compound
Reinforcement: Textile plies with helix wire
Temp. Range: -30˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7208 BS&W OIL FIELD SUCTION HOSE NOT FOR REFINED FUELS MADE IN USA 001
Brand Description: Tape Brand - White letters on Blue stripe
4:1 Design factor

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7208-1000	1	25.4	2	1.408	35.8	48	2.0	150
7208-1250	1 1/4	31.8	2	1.688	42.9	67	3.0	150
7208-1500	1 1/2	38.1	2	2.000	50.8	98	4.0	150
7208-2000	2	50.8	2	2.512	63.8	125	6.0	150
7208-2500	2 1/2	63.5	2	3.000	76.2	155	9.0	150
7208-3000	3	76.2	2	3.512	89.2	195	12.0	150
7208-4000	4	102.0	2	4.552	115.6	260	16.0	150
7208-6000	6	152.4	4	6.716	170.6	515	48.0	150

LENGTHS: 100 ft. - Lengths up to 200 ft. available on request.
COUPLINGS: Coupling style 6, 7, 10, 11 or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly which is less then the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

BS & W™ Oilfield Suction Hose

Series 7213 - Corrugated Cover

CAUTION: Not to be used for Refined Petroleum Products

An economical, lightweight and flexible hose designed for the transfer of crude oil and brine water. Specially designed for oilfield waste pit recovery service. Corrugated for flexibility.
4:1 Design factor

Tube: Special Black Synthetic Rubber compound
Cover: Special Black Synthetic Rubber compound
Reinforcement: Textile plies with helix wire
Temp. Range: -30˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7213 BS&W OIL FIELD SUCTION HOSE NOT FOR REFINED FUELS MADE IN USA 001
Brand Description: Tape Brand - White letters on Blue stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7213-1500	1 1/2	38.1	2	1.976	50.2	86	4.0	150
7213-2000	2	50.8	3	2.520	64.0	121	6.0	150
7213-2500	2 1/2	63.5	3	3.020	76.7	147	9.0	150
7213-3000	3	76.2	3	3.520	89.4	174	12.0	150
7213-4000	4	101.6	3	4.568	116.0	258	16.0	150
7213-6000	6	152.4	5	6.748	171.4	474	48.0	150

LENGTHS: 100 ft. - Lengths up to 200 ft. available on request.
COUPLINGS: Coupling style 6, 7, 10, 11 or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly which is less then the hose's max working pressure. Refer to NAHAD Assembly Guidelines fo working pressure.

WILDCATTER® Slim Hole Rotary Drill Hose

Series 7234

Designed for rotary service on portable drilling units, workover rigs and seismograph equipment. This tough, flexible and versatile hose can also be used as a discharge hose for reverse circulation, acidizer and cement solution. Meets API-7 requirements.
2-1/2:1 Minimum Design factor

Tube: Black Neoprene
Cover: Black Hypalon with blue stripe
Reinforcement: Multiple wire spirals
Temp. Range: -40˚ F to +200˚ F
Branding: PARKER/DAYCO USA WILDCATTER® 3000 PSI WP 001
Brand Description: Tape Brand - Black letter color, Blue background

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7234-2002	2	50.8	4	2.687	68.2	330	18.0	3000

LENGTHS: 50 ft. and 100 ft.
COUPLINGS: Coupling stlye 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Couplings Style Pages in the back of the catalog for coupling details.

WILDCATTER® Hot Oiler Hose

Series 7301

A unique hot oiler hose specially designed for transferring hot oil at 275˚ F continuous, 300˚ F intermittent. The rugged neoprene cover is abrasion and gouge resistant. 3:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: Multiple wire braids
Temp. Range: -40˚ F to +275˚ /300˚ F
Branding: PARKER/DAYCO USA 7301 WILDCATTER HOT OILER HOSE 1-1/2 ID 2250 PSI MAX WP TEMP RATING 275˚ F CONTINUOUS 300˚ F INTERMITTENT 001
Brand Description: Tape Brand - Red letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7301-1502	1 1/2	38.1	2	2.000	50.8	159	13.0	2250

LENGTHS: 49 ft. and 50 ft.
COUPLINGS: Coupling style 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MPW - 1000® Multi-Purpose Hose

Series 7204

This versatile multi-purpose hose is ideal for rugged service in many industrial and high pressure steam cleaning applications. In addition to air and water service, the oil resistant tube and cover will handle a variety of acids and chemicals. Suitable for saturated steam service to 150 PSI and temperatures to 368˚ F. Also suitable to convey hot tar, wax and glue at 300˚ F continuous, 350˚ F intermittent. 4:1 Design factor (10:1 for 150 PSI steam applications)

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: One wire braid
Temp. Range: -20˚ F to +300˚/350˚/368˚ F (steam)
Branding: PARKER/DAYCO 7204 - MPW 1000 PSI MAX WP (DATE CODE) MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Max. Steam WP
7204-381	3/8	9.5	2	0.781	19.8	28	5.0	1000	150
7204-501	1/2	12.7	2	0.906	23.0	34	7.0	1000	150
7204-751	3/4	19.1	2	1.187	30.1	52	9.5	1000	150
7204-1001	1	25.4	2	1.500	38.1	75	12.0	1000	150

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft. 5 pieces max. per reel with 50 ft. length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Special Applications

Paint Fluid Hose

Nylon Tube
Series 7108

Designed to handle both water and oil based paints in medium pressure applications. The Nylon 6 tube will handle ketone solvents, lacquers, thinners and paints with high aromatics, as well as many chemicals. Very flexible for ease of handling. 4:1 Design factor

WARNING! Do not use in high pressure paint spray applications requiring a statically conductive hose.

Tube: Nylon 6/6.6
Cover: Black Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: 0˚ F to +200˚ F
Branding: PARKER/DAYCO SERIES 7108 PAINT FLUID HOSE 3/8 ID (9.5 MM) XXX PSI MAX WP MADE IN USA (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7108-251	1/4	6.4	2	0.488	12.4	9	3.0	500
7108-381	3/8	9.5	2	0.680	17.3	16	4.0	500
7108-501	1/2	12.7	2	0.875	22.2	25	5.0	750

LENGTHS: Random lengths on nominal 500 ft. reels, 3 piece max., 50 ft. minimum length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Signal Call Tubing

Specially compounded extruded tubing allows use where grease, oil, gasoline and most acids are found. Resists puncturing from snow tire studs. Remains flexible in subzero temperatures.

Material: EPDM
Reinforcement: None
Temp. Range: -40˚ F to +180˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39521	3/8	9.5	0.625	15.9	13	3.0	25

LENGTHS: 500 ft. per reel, 90% 1 piece, 10% 2 piece, 50 ft. minimum length
COUPLINGS: Coupling style 5, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Conduit Hose - Reinforced - US MSHA
Series 7337

Designed for use as cable cover on underground mining equipment. Meets US MSHA standards for flame resistance and wall thickness and is embossed with US MSHA legend.

Tube: Black Synthetic Rubber
Cover: Black Synthetic Rubber
Reinforcement: Multiple textile plies
Temp. Range: -30˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7337 PREMIUM CONDUIT HOSE FLAME RESISTANT MINE CONDUIT MSHA NO. 2G-2/10 MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.
7337-382	3/8	9.5	2	0.807	20.5	25
7337-502	1/2	12.7	2	0.934	23.7	31
7337-632	5/8	15.9	2	1.063	27.0	37
7337-752	3/4	19.1	2	1.181	30.0	41
7337-872	7/8	22.2	2	1.308	33.2	47
7337-1002	1	25.4	2	1.434	36.4	52
7337-1132	1 1/8	28.6	2	1.560	39.6	58
7337-1252	1 1/4	31.8	2	1.686	42.8	64
7337-1382	1 3/8	34.9	2	1.811	46.0	69
7337-1502	1 1/2	38.1	2	1.929	49.0	73
7337-1752	1 3/4	44.5	2	2.183	55.4	85
7337-1882	1 7/8	47.6	2	2.308	58.6	90
7337-2002	2	50.8	2	2.435	61.8	96
7337-2252	2 1/4	57.2	2	2.687	68.2	107
7337-2382	2 3/8	60.3	2	2.809	71.3	112
7337-2502	2 1/2	63.5	2	2.933	74.5	117
7337-3002	3	76.2	2	3.435	87.2	139
7337-3502	3 1/2	90.0	2	3.976	101.0	162
7337-4002	4	102.0	2	4.449	113.0	182
7337-5002	5	127.0	2	5.433	138.0	225
7337-6002	6	152.4	2	6.437	163.5	271

LENGTHS: 50 ft. Some ID sizes may also be stocked in 100 ft. or 200 ft. lengths.
COUPLINGS: None required

Conduit Hose - Non-Reinforced - US MSHA
Series 7338

Designed for use as cable cover on underground mining equipment. Meets US MSHA standards for flame resistance and wall thickness and is embossed with US MSHA legend

Construction: Minimum 3/16 in. thick Black Synthetic Rubber tubing
Temp. Range: -30˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7338 PREMIUM CONDUIT HOSE FLAME RESISTANT MINE CONDUIT MSHA NO. 2G-57/4 MADE IN USA (USMSHA number may vary)
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.
7338-380	3/8	9.5	0.800	20.3	26
7338-500	1/2	12.7	0.926	23.5	32
7338-630	5/8	15.9	1.056	26.8	38
7338-750	3/4	19.1	1.174	29.8	43
7338-870	7/8	22.2	1.299	33.0	48
7338-1000	1	25.4	1.426	36.2	54
7338-1130	1 1/8	28.6	1.552	39.4	59
7338-1250	1 1/4	31.8	1.678	42.6	65
7338-1380	1 3/8	34.9	1.805	45.8	71
7338-1500	1 1/2	38.1	1.923	48.8	76
7338-1750	1 3/4	44.5	2.175	55.2	87
7338-2000	2	50.8	2.427	61.6	98
7338-2250	2 1/4	57.2	2.679	68.0	110
7338-2380	2 3/8	60.3	2.801	71.1	115
7338-2500	2 1/2	63.5	2.927	74.3	121
7338-3000	3	76.2	3.428	87.1	143

LENGTHS: 50 ft., many sizes also stocked in 100 ft. and 200 ft. lengths
COUPLINGS: None required

Steam

STEAM - LANCE® 250 Steam Hose

Series 7263 - BLACK COVER
Series 7264 - RED COVER

WARNING! 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, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam, and high pressure steam can cause severe scalding or fatal burns.

USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.

Warning! Failure to properly use, maintain, test and inspect steam hose assemblies can result in injury to personnel or damage to property.

Designed for saturated steam applications at pressures to 250 PSI and temperatures to 406° F. This hose will also handle super heated steam to 250 PSI and 450° F. The steel wire braids provide maximum strength and can be utilized as a static wire to make the hose assembly electrically conductive. **Not for use with detergents.** 10:1 Design factor (2500 PSI minimum burst) for steam applications.

Tube:	Black EPDM
Cover:	Perforated Black or Red EPDM
Reinforcement:	Multiple wire braids
Temp. Range:	-20˚ F to + 406˚/450˚ F
Branding:	PARKER/DAYCO 7263 STEAM LANCE® 250 PSI MAX WP MADE IN USA DE2 (DATE CODE)
Brand Description:	Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-502	1/2	12.7	2	1.031	26.2	48	7.0	250
-752	3/4	19.1	2	1.343	34.1	66	9.5	250
-1002	1	25.4	2	1.593	40.5	82	12.0	250
-1252	1 1/4	31.8	2	1.875	47.6	115	16.5	250
-1502	1 1/2	38.1	2	2.188	55.6	137	20.0	250
-2002	2	50.8	2	2.687	68.2	178	25.0	250

LENGTHS: 1/2 in. through 1 in. random lengths on reels, +/- 100 ft., 5 piece max., 50 ft. min. length. 1-1/4 in. through 2 in., 50 ft. cut lengths.

COUPLINGS: **WARNING! Use ONLY Parker/Dayco recommended hose/coupling combinations for Steam Applications!** Coupling style 2, 3, 8, 12, 13, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DRAGON BREATH® Butyl Steam Hose
Series 7286 - BLACK COVER
Series 7287 - RED COVER

WARNING! 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, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam and high pressure steam can cause severe scalding or fatal burns.

USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.

WARNING! Failure to properly use, maintain, test, and inspect steam hose assemblies can result in injury to personnel or damage to property.

A premium steam hose designed for saturated steam applications at pressures to 250 PSI and temperatures to 406° F. This hose will also handle super heated steam to 250 PSI and 450° F. The steel wire braids provide maximum strength and can be utilized as a static wire to make the hose assembly electrically conductive.
Not for use with detergents.
10:1 Design factor

Tube: Black Butyl
Cover: Perforated Black or Red Butyl
Reinforcement: Multiple wire braids
Temp. Range: 0˚ to +406˚/450˚ F
Branding: PARKER/DAYCO USA 7286 BUTYL STEAM 250 PSI MAX WP DE2 (DATE CODE)
Brand Description: Emboss Brand

Part No.	ID 9in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-502	1/2	12.7	2	1.031	26.2	50	7.0	250
-752	3/4	19.1	2	1.343	34.1	69	9.5	250
-1002	1	25.4	2	1.594	40.5	85	12.0	250
-1252	1 1/4	31.8	2	1.875	47.6	120	16.5	250
-1502	1 1/2	38.1	2	2.188	55.6	137	20.0	250
-2002	2	50.8	2	2.687	68.2	179	25.0	250

LENGTHS: 1/2 in. through 1 in. random lengths on reels, 5 piece max. with 50 ft. min. length. Also 50 ft. and lengths.

COUPLINGS: **WARNING! Use ONLY Parker/Dayco recommended hose/coupling combinations for Steam Applications!** Coupling style 2, 3, 8, 12, 13, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DRAGON BREATH® 250 Steam Hose

Series 7288 - RED COVER
Series 7289 - BLACK COVER (NON-STOCK)

WARNING! 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, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam and high pressure steam can cause severe scalding or fatal burns.

USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.

WARNING! Failure to properly use, maintain, test and inspect steam hose assemblies can result in injury to personnel or damage to property.

This hose is designed for saturated steam (250 PSI at 406° F)or super heated steam service (250 PSI at 450° F). The double wire braid offers maximum strength and can be utilized as a static wire to make the hose assembly electrically conductive. The oil resistant cover (RMA Class B) makes the hose ideal for refinery service.
10:1 Design factor for steam applications

Tube: Black EPDM
Cover: Perforated Red Neoprene or Black Hypalon
Reinforcement: One wire braid
Temp. Range: -20˚ F to +406˚/450˚ F
Branding: PARKER/DAYCO USA 7288 DRAGON BREATH® (DATE CODE) DE2 250 PSI MAX WP
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-502	1/2	12.7	2	1.031	26.2	52	7.0	250
-752	3/4	19.1	2	1.343	34.1	73	9.5	250
-1002	1	25.4	2	1.594	40.5	90	12.0	250
-1252	1 1/4	31.8	2	1.875	47.6	124	16.5	250
-1502	1 1/2	38.1	2	2.187	55.5	144	20.0	250
-2002	2	50.8	2	2.688	68.3	188	25.0	250

LENGTHS: 1/2 in. through 1 in., random lengths on reels, 50 ft. lengths.
COUPLINGS: **WARNING! Use ONLY Parker/Dayco recommended hose/coupling combinations for Steam Applications!** Coupling style 2, 3, 8, 12, 13, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

STEAM-LANCE® 150
Steam Cleaner Hose
Series 7250

The hose is designed for tough, constant use in steam cleaning operations in oily environments, and for saturated steam applications. Pressures to 150 PSI and temperatures to 368˚ F.
10:1 Design factor for steam applications

WARNING! 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, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam, and high pressure steam can cause severe scalding or fatal burns.

USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.

Warning! Failure to properly use, maintain, test and inspect steam hose assemblies can result in injury to personnel or damage to property.

Tube: Black Nitrile
Cover: Perforated Red Neoprene
Reinforcement: One wire braid
Temp. Range: -20˚ F to +368˚ F
Branding: PARKER/DAYCO USA 7250 STEAM LANCE® (DATE CODE) 150 PSI MAX WP - DE2
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7250-381	3/8	9.5	1	0.781	19.8	28	5.0	150
7250-501	1/2	12.7	1	0.906	23.0	34	7.0	150
7250-751	3/4	19.1	1	1.187	30.1	51	9.5	150
7250-1001	1	25.4	1	1.500	38.1	75	12.0	150

LENGTHS: Random lengths on nominal 500 ft. reels. Max. 600 ft., min. 400 ft. 5 pieces max. with 50 ft. min. length.

COUPLINGS: **WARNING! Use ONLY Parker/Dayco recommended hose/coupling combinations for Steam Applications!** Coupling style 2, 3, 8, 12, 13, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MPW - 1000® Multi-Purpose Hose

Series 7204

This versatile multi-purpose hose is ideal for rugged service in many industrial and high pressure steam cleaning applications. In addition to air and water service, the oil resistant tube and cover will handle a variety of acids and chemicals. Suitable for saturated steam service to 150 PSI and temperatures to 368˚ F. Also suitable to convey hot tar, wax and glue at 300˚ F continuous, 350˚ F intermittent.
4:1 Design factor (10:1 for 150 PSI steam applications)

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: One wire braid
Temp. Range: -20˚ F to +300˚/350˚/368˚ F (steam)
Branding: PARKER/DAYCO 7204 - MPW 1000 PSI MAX WP (DATE CODE) MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Max. Steam WP
7204-381	3/8	9.5	2	0.781	19.8	28	5.0	1000	150
7204-501	1/2	12.7	2	0.906	23.0	34	7.0	1000	150
7204-751	3/4	19.1	2	1.187	30.1	52	9.5	1000	150
7204-1001	1	25.4	2	1.500	38.1	75	12.0	1000	150

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft. 5 pieces max. per reel with 50 ft. length.
COUPLINGS: Coupling style 2, 3, 8, 12, 13, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Water

DAY-FLO® Water Suction Hose

Series 7257

This hose is designed for water suction and discharge service. All sizes capable of withstanding full suction. Tube and cover resistant to LASSO® and other herbicides, weak alkalis and acids.
4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -30˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7257 DAYFLO® WATER SUCTION HOSE 150 PSI MAX WP MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7257-125150	1 1/4	31.8	2	1.732	44.0	84	7.0	150
7257-150150	1 1/2	38.1	2	1.904	48.4	83	10.0	150
7257-200150	2	50.8	2	2.512	63.8	128	13.0	150
7257-250150	2 1/2	63.5	2	3.028	76.9	168	15.0	150
7257-300150	3	76.2	2	3.527	89.6	197	20.0	150
7257-400150	4	101.6	4	4.574	116.2	279	26.0	150
7257-500100	5	127.0	4	5.670	144.0	448	30.0	100
7257-600070	6	152.4	4	6.819	173.2	627	36.0	70
7257-800070	8	203.2	4	8.905	226.2	962	48.0	70
7257-1000070	10	254.0	4	11.079	281.4	1226	60.0	70
7257-1200070	12	304.8	4	12.788	324.8	1069	72.0	70

LENGTHS: 1-1/4 in. through 6 in., 100 ft., 8 in. through 12 in., 50 ft. Other I.D.s through 20 in. available on quotation, contact Customer Satisfaction Center.

COUPLINGS: Coupling style 2, 3, 7, or for othe coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

SUPER-FLEX® Water Suction Hose
Series 7392

This water suction hose is designed to handle a wide range of applications in industry, construction and agriculture. The tough, flexible EPDM rubber construction will resist abrasion, weathering and the effects of agricultural herbicides and other mild chemicals. Incorporates a steel wire helix in the hose wall for full suction capabilities, as well as high tensile tire cord fabric for discharge pressure. 4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile plies with helix wire
Temp. Range: -30° F to +212° F
Branding: PARKER/DAYCO SERIES 7392 WATER SUCTION & DISCHARGE MADE IN USA
Brand Description: Emboss brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7392-1500	1 1/2	38.1	2	1.904	48.36	83	6.0	150
7392-2000	2	50.8	2	2.449	62.20	117	7.0	150
7392-2500	2 1/2	63.5	2	2.956	75.08	155	8.0	100
7392-3000	3	76.2	2	3.504	89.00	200	10.0	100
7392-4000	4	107.0	2	4.528	115.01	315	14.0	100
7392-5000	5	127.0	2	5.656	143.67	500	22.0	100
7392-6000	6	152.4	4	6.842	173.79	618	30.0	75
7392-8000	8	203.2	4	8.866	225.20	846	38.0	75
7392-10000	10	254.0	4	10.938	277.81	1119	50.0	75
7392-12000	12	304.8	4	13.080	332.23	1510	66.0	75

LENGTHS: 100 ft. sizes through 6 in. ID; 50 ft. sizes 8 in. - 12 in.; 20 ft. also available sizes 6 in. - 12 in.

COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple and bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

SUPER-FLEX® Heavy Duty Water Suction Hose

Series 7325

This hose is designed for heavy-duty applications requiring endurance and higher pressure ratings. The hose is also designed to make tight bends without kinking. The tough, flexible EPDM synthetic rubber provides resistance to abrasion, weathering and many industrial and agricultural chemicals.
4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Textile plies with helix wire
Temp. Range: -40° F to +212° F
Branding: PARKER/DAYCO SERIES 7325 HD WATER SUCTION 300 PSI MAX WP MADE IN USA
Brand Description: Tape Brand - White letters on Blue stripe.

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7325-1500	1 1/2	38.1	4	2.094	53.2	122	6.0	300
7325-2000	2	50.8	4	2.648	67.3	171	8.0	300
7325-2500	2 1/2	63.5	4	3.192	81.1	228	10.0	300
7325-3000	3	76.2	4	3.700	94.0	270	12.0	300

LENGTHS: 100 ft. and 200 ft. lengths.
COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

BS & W™ Oilfield Suction Hose

Series 7208 - Smooth Cover

CAUTION: Not to be used for Refined Petroleum Products

An economical, lightweight and flexible hose designed for the transfer of crude oil and brine water. Specially designed for oilfield waste pit recovery service. Smooth cover.
4:1 Design factor

Tube: Special black synthetic rubber compound
Cover: Special black synthetic rubber compound
Reinforcement: Textile plies with helix wire
Temp. Range: -30˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7208 BS&W OILFIELD SUCTION HOSE NOT FOR REFINED FUELS MADE IN USA 001
Brand Description: Tape Brand - White letters on Blue stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7208-1000	1	25.4	2	1.408	35.8	48	2.0	150
7208-1250	1 1/4	31.8	2	1.688	42.9	67	3.0	150
7208-1500	1 1/2	38.1	2	2.000	50.8	98	4.0	150
7208-2000	2	50.8	2	2.512	63.8	125	6.0	150
7208-2500	2 1/2	63.5	2	3.000	76.2	155	9.0	150
7208-3000	3	76.2	2	3.512	89.2	195	12.0	150
7208-4000	4	102.0	2	4.552	115.6	260	16.0	150
7208-6000	6	152.4	4	6.716	170.6	515	48.0	150

LENGTHS: 100 ft. - Lengths up to 200 ft. available on request.
COUPLINGS: Coupling style 6, 7, 10, 11 or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details. **WARNING! Combination nipple with bands reduces the working pressure of the assembly, which is less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.**

BS & W™ Oilfield Suction Hose

Series 7213 - Corrugated Cover

CAUTION: Not to be used for Refined Petroleum Products

An economical, lightweight, and flexible hose designed for the transfer of crude oil and brine water. Specially designed for oilfield waste pit recovery service. Corrugated for flexibility.
4:1 Design factor

Tube: Special Black Synthetic Rubber compound
Cover: Special Black Synthetic Rubber compound
Reinforcement: Textile plies with helix wire
Temp. Range: -30˚ F to +180˚ F
Branding: PARKER/DAYCO SERIES 7213 BS&W OILFIELD SUCTION HOSE NOT FOR REFINED FUELS MADE IN USA 001
Brand Description: Tape Brand - White letters on Blue stripe

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7213-1500	1 1/2	38.1	2	1.976	50.2	86	4.0	150
7213-2000	2	50.8	3	2.520	64.0	121	6.0	150
7213-2500	2 1/2	63.5	3	3.020	76.7	147	9.0	150
7213-3000	3	76.2	3	3.520	89.4	174	12.0	150
7213-4000	4	101.6	3	4.568	116.0	258	16.0	150
7213-6000	6	152.4	5	6.748	171.4	474	48.0	150

LENGTHS: 100 ft. - Lengths up to 200 ft. available on request.
COUPLINGS: Coupling style 6, 7, 10, 11 or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details. **WARNING! Combination nipple with bands reduces the working pressure of the assembly, which is less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.**

DYNAFLEX® PVC Standard Duty Suction Hose

Series 7560

This is a flexible hose that will withstand full suction and discharge pressure. It will handle a variety of liquid and solid materials such as water, slurry transfer, sewage, air, chemicals, grains and pellets. A versatile hose for agriculture, mining, construction and industry.
3:1 Design factor

Tube: Green PVC–Smooth
Cover: Green PVC–Smooth
Reinforcement: Rigid white PVC helix
Temp. Range: -5˚ F to +140˚ F

Part No.	ID (in.)	OD (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7560-750	3/4	19.1	1.050	26.7	20	3.0	120
7560-1000	1	25.4	1.220	31.0	25	4.0	120
7560-1250	1 1/4	31.8	1.500	38.1	32	5.1	120
7560-1500	1 1/2	38.1	1.790	45.5	39	5.9	110
7560-2000	2	50.8	2.300	58.4	57	8.6	95
7560-2500	2 1/2	63.5	2.900	73.7	74	11.4	70
7560-3000	3	76.2	3.350	85.1	99	13.7	60
7560-4000	4	101.6	4.470	113.5	160	18.9	50
7560-6000	6	152.4	6.600	167.6	310	31.5	45
7560-8000	8	203.2	8.800	223.5	523	48.4	35

LENGTHS: 100 ft. coils 3/4 in. through 6 in., 30 ft. straight lengths - 8 in.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DYNAFLEX® PVC Multi-Purpose Suction Hose

Series 7561

Extremely lightweight and flexible for general service, low pressure applications. Will handle both full suction and discharge pressure and, smooth bore design allows unrestricted flow.
3:1 Design factor

Tube: Green PVC–Smooth
Cover: Green PVC–Corrugated
Reinforcement: Rigid white PVC spiral helix
Temp. Range: -5˚ F to +140˚ F

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP/68˚F	Max. Rec. WP/ 140˚F
7561-1500	1 1/2	38.1	1.790	45.5	33	2.0	80	25
7561-2000	2	50.8	2.300	58.4	46	3.0	65	20
7561-2500	2 1/2	63.5	2.870	72.9	60	5.0	60	20
7561-3000	3	76.2	3.300	83.8	75	7.0	45	15

LENGTHS: 100 ft. coils.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DAY-FLO® Water Discharge Hose

Series 7306

Recommended for water discharge service in heavy-duty industrial applications. The extra heavy wall prolongs service life and endurance in physically demanding applications.
4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile plies
Temp. Range: -30° F to +212° F
Branding: PARKER/DAYCO SERIES 7306 DAY-FLO WATER DISCHARGE HOSE MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7306-150200	1 1/2	38.1	4	2.056	52.2	93	200
7306-200175	2	50.8	4	2.528	64.2	116	175
7306-250150	2 1/2	63.5	2	2.988	75.9	132	150
7306-300125	3	76.2	2	3.536	89.8	173	125
7306-400100	4	101.6	2	4.534	115.2	223	100
7306-450085	4 1/2	114.3	2	5.052	128.3	258	85
7306-500085	5	127.0	2	5.551	141.0	285	85
7306-600075	6	152.4	2	6.552	166.4	340	75
7306-800070	8	203.2	4	8.552	217.2	444	70

LENGTHS: 1 1/2 in. - 6 in., 100 ft. 8 in. - 50 ft.
COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

DAY-FLO® Ultra Light Water Discharge Hose

Series 7306L

This is the lightest rubber water discharge hose available. Remarkably lightweight for easy handling, with the flexibility of a rubber tube and cover. Economical for short term or one-time jobs. Particularly suitable for open-end discharge applications.
3:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile plies
Temp. Range: -30° F to +212° F
Branding: PARKER/DAYCO SERIES 7306L DAY-FLO LIGHT WATER DISCHARGE HOSE 75 PSI MAX WP MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7306L-2000	2	50.8	2	2.244	57.00	48	75
7306L-3000	3	76.2	2	3.244	82.40	71	75
7306L-4000	4	102.0	2	4.291	109.0	111	75
7306L-6000	6	152.4	2	6.276	159.41	165	75
7306L-8000	8	203.2	2	8.323	211.40	236	75
7306L-10000	10	254.0	2	10.394	264.00	368	75

LENGTHS: 100 ft. except 10 in., which is 50 ft.
COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

DAY-FLO® Heavy Duty Water Discharge Hose

Series 7306H

This is the tough one - designed for heavy-duty water discharge applications. The combination of a heavy wall and 200 PSI working pressure rating (150 PSI in 10 in. & 12 in. ID sizes) make this the right hose for applications that need extra capacity and durability.
3:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile plies
Temp. Range: -30° F to 212° F
Branding: PARKER/DAYCO SERIES 7306H DAY-FLO H.D. WATER DISCHARGE HOSE XXX PSI MAX WP MADE IN USA 001
Brand Description: Tape Brand - White letters on Blue stripe.

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD. (in.)	OD. (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7306H-2000	2	50.80	4	2.536	64.41	114	200
7306H-2500	2 1/2	63.50	4	3.050	77.47	148	200
7306H-3000	3	76.20	4	3.550	90.17	175	200
7306H-4000	4	101.60	4	4.556	115.72	231	200
7306H-5000	5	127.00	4	5.582	141.78	298	200
7306H-6000	6	152.40	4	6.646	168.81	358	200
7306H-8000	8	203.20	4	8.646	219.61	472	200
7306H-10000	10	254.00	4	10.646	270.41	585	150
7306H-12000	12	304.80	4	12.788	324.82	878	150

LENGTHS: 100 ft. except 10 in. and 12 in., which are 50 ft.
COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

DAY-FLO® Medium Duty Water Discharge Hose

Series 7306M

Light, flexible and durable with 150 PSI working pressure in all sizes! This hose is the most versatile choice for many water discharge applications. The tube and cover are flexible EPDM rubber, which is resistant to weathering and to many light industrial and agricultural chemicals.
3:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Textile tire cord plies
Temp. Range: -30° F to +212° F
Branding: PARKER/DAYCO SERIES 7306M DAY-FLO MEDIUM WATER DISCHARGE HOSE 150 PSI MAX WP MADE IN USA
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7306M-1500	1 1/2	38.1	2	1.812	46.0	49	150
7306M-2000	2	50.8	2	2.299	58.4	63	150
7306M-2500	2 1/2	63.5	2	2.800	71.1	77	150
7306M-3000	3	76.2	2	3.322	84.4	99	150
7306M-4000	4	102.0	2	4.362	110.8	131	150
7306M-5000	5	127.0	2	5.440	138.2	212	150
7306M-6000	6	152.4	2	6.488	164.8	284	150
7306M-8000	8	203.2	4	8.543	217.0	409	150
7306M-10000	10	254.0	4	10.535	267.6	522	150
7306M-12000	12	304.8	4	12.575	319.4	620	150

LENGTHS: 100 ft. except 10 in. & 12 in. which are 50 ft., 2 in., 3 in. & 4 in. also stocked in 200 ft., add 200 to the part number above.

COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

GULLY WASHER® PVC Discharge Hose

Series 7541 - Standard Duty - BLUE COVER

Designed as standard duty hose for water discharge in agriculture, mining, construction and other industrial applications. Strong, economical, lightweight hose, which rolls up flat for easy storage.
3:1 Design factor

Tube: Blue PVC
Cover: Blue PVC
Reinforcement: Two spiral plies, one longitudinal ply
Temp. Range: -10° F to +150° F
Branding: None

Part No.	Nom. Size	ID (in.)	ID (mm)	Reinf. Plies	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7541-1501	1 1/2	1.570	39.9	3	14	70
7541-2001	2	2.090	53.1	3	18	70
7541-2501	1 1/2	2.550	64.8	3	22	60
7541-3001	3	3.070	78.0	3	26	55
7541-4001	4	4.090	103.9	3	40	45
7541-6001	6	6.100	154.9	3	70	40
7541-8001	8	8.100	205.7	3	110	40

LENGTHS: 300 ft. bales.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

GULLY WASHER® PVC Discharge Hose

Series 7542 - Medium Duty - RED COVER

This PVC hose is designed for medium duty water discharge applications in construction, agriculture, general industry and mining. The abrasion resistant PVC cover and PVC/Nitrile tube provide long service life. Rolls up flat for easy storage.
3:1 Design factor

Tube: Black PVC/Nitrile
Cover: Red PVC
Reinforcement: Multiple textile plies
Temp. Range: -10˚ F to +150˚ F
Branding: FLAME RESISTANT USMSHA 2G-60/1
Brand Description: Ink Brand - White letter color

Part No.	Nom. Size (in.)	ID (in.)	ID (mm)	Reinf. Plies	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7542-1501	1 1/2	1.570	39.9	2	21	120
7542-2001	2	2.090	53.1	2	30	120
7542-2501	2 1/2	2.510	63.8	2	39	120
7542-3001	3	3.070	78.0	2	50	120
7542-4001	4	4.090	103.9	2	74	120
7542-6001	6	6.070	154.2	2	117	100

LENGTHS: 300 ft. bales.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

GULLY WASHER® PVC Discharge Hose

Series 7545 - Heavy Duty - YELLOW COVER

This hose is designed for heavy duty water discharge service in applications such as agriculture, construction, industry and mining. Abrasion resistant PVC cover, the PVC/Nitrile tube and high adhesions between the layers provide for a long service life. Rolls up flat for easy storage. MSHA brand.
3:1 Design factor

Tube: Black PVC/Nitrile
Cover: Yellow PVC - smooth
Reinforcement: Multiple textile plies
Temp. Range: -10˚ F to +150˚ F
Branding: FLAME RESISTANT USMSHA 2G-60/1
Brand Description: Ink Brand - Black letter color

Part No.	Nom. Size (in.)	ID (in.)	ID (mm)	Reinf. Plies	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7545-1501	1 1/2	1.570	39.9	2	32	230
7545-2001	2	2.090	53.1	2	43	230
7545-2501	2 1/2	2.590	65.8	2	56	230
7545-3001	3	3.070	78.0	2	67	170
7545-4001	4	4.090	103.9	2	98	160
7545-6001	6	6.070	154.2	2	168	105

LENGTHS: 300 ft. bales.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details. **WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.**

GULLY WASHER® PVC Discharge Hose

Series 7547 - Light Duty - Contractors Gray Cover

Designed for light duty discharge service in applications such as construction, agriculture, consumer home use, general industry and mining. Abrasion resistant PVC cover combined with a PVC/Nitrile tube provide long service life. Rolls up flat for easy storage.
3:1 Design factor

Tube: Black PVC/Nitrile
Cover: Gray PVC
Reinforcement: Multiple textile plies
Temp. Range: -10˚ F to +150˚ F
Branding: None

Part No.	Nom. Size (in.)	ID (in.)	ID (mm)	Reinf. Plies	Approx. Wt. Per 100 Ft.	Max. Rec. WP
7547-1501	1 1/2	1.510	38.4	2	18	70
7547-2001	2	2.040	51.8	2	24	60
7547-2501	2 1/2	2.510	63.8	2	29	60
7547-3001	3	3.070	78.0	2	37	50
7547-4001	4	4.090	103.9	2	53	45
7547-6001	6	6.070	154.2	2	82	35

LENGTHS: 300 ft. bales.
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guideline. See Coupling Style Pages in the back of the catalog for coupling details. **WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.**

STINGER™ II Mine Air & Water Hose – MSHA

Series 7268

Stinger II hose is a very durable hose manufactured to handle the severe service requirements of underground mine spray service. The bright yellow MSHA cover is flame, oil, and abrasion resistant. This hose is also an excellent choice for high pressure air and washdown service.
4:1 Design factor (2 in. - 3.5:1)

Tube: Black Neoprene
Cover: Yellow NBR/PVC
Reinforcement: Wire braid
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7268 STINGER II™ 3/4 ID 1000 PSI MAX WP MSHA IC-123/17 DE2 (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7268-751	3/4	19.1	1	1.045	26.5	36	6.0	1000
7268-1001	1	25.4	1	1.339	34.0	53	8.0	1000
7268-1251	1 1/4	31.8	1	1.631	41.4	66	12.0	1000
7268-1501	1 1/2	38.1	1	1.890	48.0	86	14.0	1000
7268-2001	2	50.8	1	2.440	62.0	141	18.0	1000

LENGTHS: 3/4 in. and 1 in. - 500 ft. reels, 5 pieces max. 50 ft. multiples, 50 ft. min. length. 1-1/4 in., 1-1/2 in. and 2 in., specified 50 ft. & 100 ft. lengths and random lengths. Other lengths on quotation.
COUPLINGS: Coupling style 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

YELLOW BIRD® Air & Water Hose – MSHA

Series 7284

YELLOW BIRD® hose is designed for high pressure water service in underground mines. The SBR tube, wire braided construction, and nitrile/PVC cover also makes it an excellent high pressure air or general purpose hose. The flame resistant yellow cover is branded with the MSHA legend.
4:1 Design factor

Tube: Black SBR
Cover: Yellow NBR/PVC, PIN-PRICKED
Reinforcement: One or multiple wire braids
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7284 YELLOW BIRD® HOSE (DATE CODE) DE2 XXXX PSI MAX WP MSHA IC-123/17 - FLAME RESISTANT
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7284-381	3/8	9.5	1	0.688	17.5	25	6.0	1500
7284-501	1/2	12.7	1	0.969	24.6	37	7.0	1000
7284-751	3/4	19.1	1	1.219	31.0	56	9.5	1000
7284-1001	1	25.4	1	1.469	37.3	69	12.0	1000
7284-1252	1 1/4	31.8	2	1.719	43.7	90	15.5	1000

LENGTHS: Random lengths on reels. 3/8 in. is 400 ft., 3 pc. max., 10 ft. min. length – 1/2 in. is 425 ft., 5 pc. max., 50 ft. min. – 3/4 in. & 1 in. is 500 ft., 5 pc. max., 50 ft. min.
COUPLINGS: Coupling style 8, or for other recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling detials.

THORO-BRAID® Air Hose - MSHA

Series 7251

This hose is designed for the most severe service in mines, quarries and heavy construction. Built with a tough neoprene tube to handle air, water, petroleum products and a number of acids and chemicals. The THORO-BRAID® hose cover offers excellent resistance to ozone, weather, abrasion and several acids and chemicals. The cover is also flame resistant with an embossed MSHA legend.
4:1 Design factor

Tube: Black Neoprene
Cover: Yellow Hypalon
Reinforcement: One or multiple wire braids
Temp. Range: -20˚ F to +200˚ F
Branding: PARKER/DAYCO USA 7251 THORO-BRAID® AIR HOSE-WIRE BRAID XXX PSI MAX WP-DE4 FIRE RESISTANT-MSHA IC-123/3-(DATE CODE) -001
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7251-1501K	1 1/2	38.1	1	2.062	52.4	122	20.0	600
7251-2002K	2	50.8	2	2.656	67.5	189	25.0	600
7251-2502K	2 1/2	63.5	2	3.156	80.2	230	32.0	500
7251-3002K	3	76.2	2	3.656	92.9	273	36.5	500
7251-4002K*	4	101.6	2	4.656	118.3	363	48.0	400

LENGTHS: Random lengths – 150 ft. +0 ft./-20 ft., 3 pieces max., 50 ft. min. length. *7251-4002K is tire wrapped and packaged in either 6/50 ft. or 3/100 ft.

COUPLINGS: Coupling Style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

GRIZZLY™ 500 Multi-Purpose Hose

Series 7107

The GRIZZLY™ 500 Hose is a premium hose designed for multiple uses. With it's modified NBR/PVC cover compound, abrasion and oil resistance has been significantly improved. GRIZZLY™ 500 Hose is the answer for numerous applications such as agricultural, foundry, factories, mines and many more applications where a heavy duty hose construction is required. It has the toughness of a braided hose in a flexible spiral construction. GRIZZLY™ 500 Hose meets the MSHA Flame Resistance requirements and is electronically non-conductive with a minimum resistance of one megohm per inch at 1000 volts DC. The tube of the GRIZZLY™ hose exceeds RMA Class A Oil Resistance.
Note: Do not use for hot dry air applications.

Tube: Black Nitrile
Cover: Yellow NBR/PVC blend
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7107 GRIZZLY™ 1/4 ID (6.4 MM) 500 PSI MAX WP Side 2 ELECTRICALLY NON-CONDUCTIVE MSHA IC-123/20 MADE IN USA (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7107-25500	1/4	6.4	4	0.625	15.9	15	2.0	500
7107-38500	3/8	9.5	4	0.750	19.1	19	2.5	500
7107-50500	1/2	12.7	4	0.875	22.2	26	3.0	500
7107-75500	3/4	19.1	4	1.187	30.1	39	4.5	500
7107-100500	1	25.4	4	1.500	38.1	56	6.0	500

LENGTHS: Exact length reels with +/- 50 ft., max. 2 pieces, 50 ft. min. length. Reel quantities 1/4 in.-750 ft., 3/8 in.-650 ft., 1/2 in. -500 ft., 3/4 in.-400 ft., 1 in.-300 ft.
COUPLINGS: Coupling style 1, 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MPW - 1000® Multi-Purpose Hose

Series 7204

This versatile multi-purpose hose is ideal for rugged service in many industrial and high pressure steam cleaning applications. In addition to air and water service, the oil resistant tube and cover will handle a variety of acids and chemicals. Suitable for saturated steam service to 150 PSI and temperatures to 368˚ F. Also suitable to convey hot tar, wax and glue at 300˚ F continuous, 350˚ F intermittent.
4:1 Design factor (10:1 for 150 PSI steam applications)

Tube: Black Nitrile
Cover: Perforated Black Neoprene
Reinforcement: One wire braid
Temp. Range: -20˚ F to +300˚/350˚/368˚ F (steam)
Branding: PARKER/DAYCO 7204 - MPW 1000 PSI MAX WP (DATE CODE) MADE IN USA
Brand Description: Embossed Brand

Part No.	ID (in.)	ID (mm)	Reinf. Layers	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Max. Steam WP
7204-381	3/8	9.5	2	0.781	19.8	28	5.0	1000	150
7204-501	1/2	12.7	2	0.906	23.0	34	7.0	1000	150
7204-751	3/4	19.1	2	1.187	30.1	52	9.5	1000	150
7204-1001	1	25.4	2	1.500	38.1	75	12.0	1000	150

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft. 5 pieces max. per reel with 50 ft. length.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

PWD High Pressure Washdown Hose

Series 7143

A premium, flexible and lightweight hose for washdown service in applications such as meat and poultry plants. The specially blended cover provides excellent resistance to animal fats and oils, as well as improved abrasion resistance over similar hose products.
Design factor: 1 Braid = 4:1 2 Braid = 3.5:1

WARNING: Not to be used for steam service!

Tube: Black Synthetic Rubber
Cover: Gray (GY) or Yellow (YL) Synthetic Rubber
Reinforcement: 1 or 2 textile braids
Temp. Range: -40˚ F to +250˚ F
Branding: PARKER/DAYCO SERIES 7143 PWD 3/8 ID (9.5 MM) XXXX PSI MAX WP MADE IN USA (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7143-251YL	1/4	6.4	1	0.570	14.5	13	3.0	1000
7143-251GY	1/4	6.4	1	0.570	14.5	13	3.0	1000
7143-381GY	3/8	9.5	1	0.625	15.9	13	4.0	1000
7143-381YL	3/8	9.5	1	0.625	15.9	13	4.0	1000
7143-382GY	3/8	9.5	2	0.734	18.6	19	4.0	1500
7143-382YL	3/8	9.5	2	0.734	18.6	19	4.0	1500

LENGTHS: Random lengths on reels.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

BLUE RIBBON® Pressure Washer Hose

Series 7247

Developed specifically for the food process industry, this blue, non-marking, oil and fat-resistant hose provides 1500 PSI working pressure for efficient in-plant washdown service. For use with Parker/Dayco over-the-cover (non-skive) crimp couplings.
4:1 Design factor

WARNING: Not recommended for Steam Service!

Tube: Black Neoprene
Cover: Perforated blue Neoprene
Reinforcement: One wire braid
Temp. Range: -40˚ F to +250˚ F/275˚ F
Branding: PARKER/DAYCO USA 7247 BLUE RIBBON® PRESSURE WASHER HOSE 1/4 ID 1500 MAX WP DE2 (DATE CODE) NOT FOR STEAM SERVICE
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7247-251BL	1/4	6.4	1	0.575	14.6	18	1.7	1500
7247-381BL	3/8	9.5	1	0.700	17.8	24	2.2	1500
7247-501BL	1/2	12.7	1	0.825	21.0	30	3.2	1500

LENGTHS: Random lengths on reels and specified cut lengths.
COUPLINGS: Coupling style 10, 11, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Pressure Washer Hose

Series 7258

This hose offers high pressure, high temperature (250˚ F continuous, 275˚ F intermittent) service in many industrial pressure washer applications. For use with Parker/Dayco over-the-cover (non-skive) crimp couplings.
4:1 Design factor

WARNING! Not for Steam Service.

Tube: Black Neoprene
Cover: Perforated black Neoprene
Reinforcement: One wire braid
Temp. Range: -40˚ F to +250˚ F/275˚ F
Branding: PARKER/DAYCO USA 7258 PRESSURE WASHER HOSE 1/2 ID XXXX PSI MAX WP DE2 (DATE CODE) NOT FOR STEAM SERVICE
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7258-251BK	1/4	6.4	1	0.500	12.7	14	1.5	3000
7258-381BK	3/8	9.5	1	0.620	15.7	19	2.0	3000
7258-501BK	1/2	12.7	1	0.745	18.9	23	3.0	2500
7258-251BK050	1/4	6.4	1	0.500	12.7	14	1.5	3000
7258-381BK050	3/8	9.5	1	0.620	15.7	19	2.0	3000
7258-501BK050	1/2	12.7	1	0.745	18.9	23	3.0	2500

LENGTHS: Random lengths on nominal 500 ft. reels and 50 ft. cut lengths. Also available in blue, gray, and yellow on quotation.
COUPLINGS: Coupling style 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling deails.

HYDRO-SPRAY™ 800 Car Wash Hose

Series 7235

For use in car washes to spray hot water and detergents. The nitrile tube and neoprene cover resists oil and detergents. Special two-braid textile reinforcement minimizes expansion and contraction under pressure.
4:1 Design factor

Tube: Black Nitrile
Cover: Black Neoprene
Reinforcement: Multiple textile braids
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7235 HYDRO-SPRAY™ 1/2 ID (6.4 MM) 800 PSI MAX WP MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7235-252	1/4	6.4	2	0.594	15.1	14	3.0	1000
7235-382	3/8	9.5	2	0.750	19.1	21	4.0	1000
7235-502	1/2	12.7	2	0.875	22.2	26	5.0	800

LENGTHS: Random lengths on reels, Max 600 ft. Min. 400 ft., 50 ft. min length.
COUPLINGS: Coupling style 8 or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

ECW™ Economy White Washdown Hose

Series 7079

ECW™ hose is primarily designed for use in food plants, breweries, and any place a flexible, lightweight washdown hose is needed.
4:1 Design factor

Tube: Black EPDM
Cover: White EPDM
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7079 ECW ECONOMY WASHDOWN 3/4 ID (19.1 MM) 300 PSI MAX WP MADE IN USA
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per. 100 Ft.	Min. Bend Radius	Max. Rec. WP
-75304	3/4	19.1	4	1.156	29.4	37	5.0	300
-7530450	3/4	19.1	4	1.156	29.4	37	5.0	300

LENGTHS: 350 ft. reels (+50 ft./-0 ft.) 90% 1 pc., 10% 2 pc.- min. length 50 ft. 50 ft. cut lengths = 48 each, coiled & tied in pallet boxes.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

HDW™ Creamery Washdown Hose

Series 7080

The HDW-Heavy Duty Washdown hose is designed for general washdown and equipment cleaning requirements in food processing, dairy product processing and industrial plants. The high quality EPDM tube compound allows this hose to be used for 212° F hot water at 300 PSI or saturated steam to +298° F/+148° C at 50 PSI maximum.
4:1 Design factor

Tube: Black high grade EPDM
Cover: White high grade EPDM
Reinforcement: Multiple textile spirals
Temp. Range: -40° F to +212° F @ 300 PSI and to +298° F @ 50 PSI
Branding Example: PARKER/DAYCO SERIES 7080 HDW CREAMERY WASHDOWN 3/4 in. ID (19.1 MM) 300 PSI MAX WP MADE IN USA
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7080-75304	3/4	19.1	4	1.250	31.8	48	6.5	300
7080-7530450	3/4	19.1	4	1.250	31.8	48	6.5	300

LENGTHS: 350 ft. reels (+50 ft./-0 ft.), 90% 1 pc., 10% 2 pc. -50 ft. min. length. 50 ft. cut lengths = 24 each, coiled and tied in pallet boxes.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

WILDCATTER® Washdown Hose

Series 7360

WILDCATTER® hose is a general purpose washdown hose, designed with a rugged yet flexible construction for ease of handling in many tough applications including breweries, dairies, food plants, paper mills and oil rigs. Available with and without built-in nozzle.
4:1 Design factor

Tube: White SBR
Cover: White SBR
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7360 WILDCATTER WASH DOWN HOSE MADE IN USA 001 (7360 WITH NOZZLE MADE IN ITALY)
Brand Description: Tape Brand - Blue Stripe with White letters.

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7360-50*	1/2	12.70	2	1.008	25.60	37	4.0	150
7360-75*	3/4	19.05	2	1.250	31.75	49	6.0	150
7360-100*	1	25.40	2	1.598	40.59	75	8.0	150
7360-125*	1 1/4	31.75	2	1.875	47.63	93	12.0	150
7360-150*	1 1/2	38.10	2	2.125	53.98	107	18.0	150
7360-200*	2	50.80	4	2.748	69.80	172	24.0	150

LENGTHS: 50 ft.
*add 150 to part number above for length without nozzle
*add F050 to part number above for length with nozzle

COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! combination nipple with bands reduces the working pressure of the assembly to less than the hose's max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

GST® II
General Service Air & Water Hose

Series **7031–GREEN** **7093–BLACK**
7057–BLUE **7096–YELLOW**
7092–BRIGHT RED

An economical and versatile general purpose hose, which is excellent for air & water service, as well as many agricultural chemicals including LASSO® herbicide. The EPDM tube and cover resists heat, sunlight, ozone and weathering. The GST II hose exceeds RMA class C medium oil resistance requirements. Suitable for applications such as oil mist lubricating air lines, but NOT suitable for the transfer of petroleum products. Closely plied reinforcement of high tensile textile cord provides excellent coupling retention and kink resistance.
4:1 Design factor

Tube: Black EPDM
Cover: EPDM - colors referenced above
Reinforcement: Multiple textile spirals
Temp. Range: -40° F to +212° F
Branding Example: PARKER/DAYCO SERIES 7031 GST® II ID (IN & MM)
XXX PSI MAX WP MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-19200	3/16	4.8	2	0.437	11.1	6	2.0	200
-19300	3/16	4.8	2	0.437	11.1	8	2.0	300
-25200	1/4	6.4	2	0.500	12.7	9	2.5	200
-2520050	1/4	6.4	2	0.500	12.7	9	2.5	200
-25300	1/4	6.4	2	0.550	14.0	12	3.3	300
-2530050	1/4	6.4	2	0.550	14.0	12	3.3	300
-31200	5/16	7.9	2	0.594	15.1	13	3.3	200
-3120050	5/16	7.9	2	0.594	15.1	13	3.3	200
-31300	5/16	7.9	2	0.625	15.9	13	3.5	300
-3130050	5/16	7.9	2	0.625	15.9	13	3.5	300
-38200	3/8	9.5	2	0.656	16.7	14	3.5	200
-3820050	3/8	9.5	2	0.656	16.7	14	3.5	200
-38300	3/8	9.5	2	0.688	17.5	17	4.0	300
-3830050	3/8	9.5	2	0.688	17.5	17	4.0	300
-50200	1/2	12.7	2	0.813	20.7	21	4.5	200
-5020050	1/2	12.7	2	0.813	20.7	21	4.5	200
-50250*	1/2	12.7	2	0.844	21.4	23	4.5	250
-5025050	1/2	12.7	2	0.844	21.4	23	4.5	250
-50304	1/2	12.7	4	0.875	22.2	25	5.0	300
-5030450	1/2	12.7	4	0.875	22.2	25	5.0	300
-63200	5/8	15.9	2	0.969	24.6	24	5.5	200
-6320050	5/8	15.9	2	0.969	24.6	24	5.5	200
-63304	5/8	15.9	4	1.062	27.0	30	5.5	300
-6330450	5/8	15.9	4	1.062	27.0	30	5.5	300
-75200	3/4	19.1	2	1.109	28.2	32	6.0	200
-7520050	3/4	19.1	2	1.109	28.2	32	6.0	200
-75304*†	3/4	19.1	4	1.156	29.4	37	6.0	300
-7530450*†	3/4	19.1	4	1.156	29.4	37	6.0	300
-100200	1	25.4	2	1.406	35.7	44	7.0	200
-10020050	1	25.4	2	1.406	35.7	44	7.0	200
-100304	1	25.4	4	1.438	36.5	53	8.0	300
-10030450	1	25.4	4	1.438	36.5	53	8.0	300
-125204	1-1/4	31.75	4	1.781	45.2	77	9.0	200
-150204	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-15020450	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-150204100	1-1/2	38.1	4	2.031	51.6	86	10.0	200

LENGTHS: Exact length reels (+50 ft./-0 ft.), 90% 1 pc., 10% 2 pc. - 50 ft. min. length. 50 ft. cut lengths are coiled and tied in pallet boxes.
*Sizes stocked in green and blue
†Sizes stocked in yellow
Contact Parker or check Price Schedule for availability.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

MPT® II
Multi-Purpose–Oil Resistant
Air & Water Hose - Non-Conductive
Series 7094 (Red) Series 7095 (Black)

MPT® II is a premium high quality, economical, multi-purpose hose that is oil resistant, excellent for air and water service and many chemicals. Closely plied reinforcement of high tensile textile cord provides excellent coupling retention and kink resistance. The hose is electrically non-conductive with a minimum resistance of one megohm per inch at 1000 volts DC. MPT II hose exceeds RMA Class A-High Oil Resistance requirements.
4:1 Design factor
Note: Do not use for hot dry air applications.

Tube: Black Nitrile
Cover: Red or Black Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7094 MPT® II 3/16 ID (4.8 MM) XXX PSI MAX WP MADE IN USA - ELECTRICALLY NON-CONDUCTIVE
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-19200	3/16	4.8	2	0.437	11.1	5	1.8	200
-19300	3/16	4.8	2	0.437	11.1	5	1.8	300
-25200	1/4	6.4	2	0.500	12.7	9	2.0	200
-2520050*	1/4	6.4	2	0.500	12.7	9	2.0	200
-25300	1/4	6.4	2	0.550	14.0	12	2.5	300
-2530050*	1/4	6.4	2	0.550	14.0	12	2.5	300
-31200*	5/16	7.9	2	0.594	15.1	13	3.0	200
-3120050*	5/16	7.9	2	0.594	15.1	13	3.0	200
-31300	5/16	7.9	2	0.594	15.1	13	3.3	300
-3130050*	5/16	7.9	2	0.594	15.1	13	3.3	300
-38200	3/8	9.5	2	0.656	16.7	15	3.8	200
-3820050*	3/8	9.5	2	0.656	16.7	15	3.8	200
-38300	3/8	9.5	2	0.688	17.5	17	3.8	300
-3830050	3/8	9.5	2	0.688	17.5	17	3.8	300
-50200	1/2	12.7	2	0.813	20.7	21	5.0	200
-5020050*	1/2	12.7	2	0.813	20.7	21	5.0	200
-50250	1/2	12.7	2	0.844	21.4	22	5.0	250
-5025050*	1/2	12.7	2	0.844	21.4	22	5.0	250
-50304	1/2	12.7	4	0.875	22.2	26	5.0	300
-5030450	1/2	12.7	4	0.875	22.2	26	5.0	300
-63200*	5/8	15.9	2	0.969	24.6	36	5.5	200
-6320050*	5/8	15.9	2	0.969	24.6	36	5.5	200
-63304	5/8	15.9	4	1.062	27.0	37	6.1	300
-6330450*	5/8	15.9	4	1.062	27.0	37	6.1	300
-75200	3/4	19.1	2	1.109	28.2	34	7.5	200
-7520050*	3/4	19.1	2	1.109	28.2	34	7.5	200
-75304	3/4	19.1	4	1.156	29.4	39	6.0	300
-7530450	3/4	19.1	4	1.156	29.4	39	6.0	300
-100200	1	25.4	2	1.406	35.7	50	10.0	200
-10020050*	1	25.4	2	1.406	35.7	50	10.0	200
-100304	1	25.4	4	1.438	36.5	54	8.0	300
-10030450*	1	25.4	4	1.438	36.5	54	8.0	300
-125204	1-1/4	31.75	4	1.781	45.2	77	9.0	200
-150204	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-15020450**	1-1/2	38.1	4	2.031	51.6	86	10.0	200
-150204100*	1-1/2	38.1	4	2.031	51.6	86	10.0	200

AVAILABILITY: * Non-stock **Stock in red cover only
LENGTHS: ID sizes 3/16 in. through 1 in. are 90% 1 piece, 10% 2 piece-50 ft. min. length. (Total footage on reels is +50 ft./-0 ft. of length shown). 1-1/4 in. and 1-1/2 in. I.D. sizes are 70% 1 piece, 30% 2 piece, min. length 50 ft. Total reel quantity is ±10%
COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

SUPER-FLEX® GS General Service Air & Water Hose

Series 7322 - RED – Series 7323 - BLACK

A superior quality general service air and water hose that is a rigid mandrel construction, which produces a TRUE round, concentric hose. Superior adhesion of the hose layers provides endurance in tough applications. All of this added with SUPER flexibility for easier handling. Rated for medium oil resistance for oil mist lubricated air lines; meets RMA class C medium oil resistance, per ASTM D-471. 4:1 Design factor

Tube: Black EPDM
Cover: Black or Red EPDM
Reinforcement: Textile plies
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7322 SUPER-FLEX® GS 1-1/4 ID 200 PSI MAX WP GENERAL SERVICE MADE IN USA
Brand Description: Tape Brand - White letters

Part No.	Pkg.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-125200	200’	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-12520050	50’	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-125200100	100’	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-125200A	reel	1 1/4	31.8	2	1.741	44.2	71	7.5	200
-150200	200’	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-15020050	50’	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-150200100	100’	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-150200A	reel	1 1/2	38.1	2	1.985	50.4	82	8.5	200
-200200	200’	2	50.8	4	2.568	65.2	123	12.0	200
-202050	50’	2	50.8	4	2.568	65.2	123	12.0	200
-20200100	100’	2	50.8	4	2.568	65.2	123	12.0	200

LENGTHS: 50 ft., 100 ft., 200 ft. coils, tied and plastic “tire” wrapped. Reels are 2 pieces, 200 ft. each. No cutting of stock hose. Contact Customer Service for quotation on special hose from factory.

COUPLINGS: Coupling style 2, 3, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple and bands reduces the working pressure of the assembly to less than the hose’s max working pressure. Refer to NAHAD Assembly Guidelines for working pressures.

SUPER MPT Hose

Series 7396 - RED – Series 7397 - BLACK

A premium oil resistant multi-purpose hose that is a rigid mandrel construction, which produces a TRUE round, concentric hose. Superior adhesion of the hose layers provides endurance in tough applications. All of this added with SUPER flexibility for easier handling. The tube is rated for RMA Class A-High Oil Resistance. The hose is electrically non-conductive with a minimum resistance of one megohm per inch at 1000 volts DC.
4:1 Design factor

Tube: Black Nitrile Rubber
Cover: Black or Red Nitrile/PVC
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7396 SUPER MPT MULTI-PURPOSE HOSE XXX PSI MAX WP ELECTRICALLY NON-CONDUCTIVE MADE IN USA
Brand Description: Tape Brand - White letters

Part No.	Pkg.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-125200200	200’	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-12520050	50’	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-125200100	100’	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-125200A	reel	1 1/4	31.8	2	1.741	44.2	70	7.5	200
-150200200	200’	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-15020050	50’	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-150200100	100’	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-150200A	reel	1 1/2	38.1	2	1.985	50.4	80	8.5	200
-200200200	200’	2	50.8	4	2.568	65.2	122	12.0	200
-20020050	50’	2	50.8	4	2.568	65.2	122	12.0	200
-200200100	100’	2	50.8	4	2.568	65.2	122	12.0	200
-125300200	200’	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-12530050	50’	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-125300100	100’	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-125300A	reel	1 1/4	31.8	4	1.798	45.7	79	7.5	300
-150300200	200’	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-15030050	50’	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-150300100	100’	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-150300A	reel	1 1/2	38.1	4	2.025	51.4	87	8.5	300
-200300200	200’	2	50.8	4	2.600	66.0	129	12.0	300
-20030050	50’	2	50.8	4	2.600	66.0	129	12.0	300
-200300100	100’	2	50.8	4	2.600	66.0	129	12.0	300

LENGTHS: 50 ft., 100 ft., 200 ft. and reels, all sizes except 2 in. is not available on reels. Reels have two 200 ft. lengths per reel.

COUPLINGS: Coupling style 2, 3, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
WARNING! Combination nipple with bands reduces the working pressure of the assembly to less than the hose’s max working pressure. Refer to NAHAD Assembly Guidelines for working pressure.

Contractor Water Hose - Rubber

Series 7093CW

This economical hose is designed for the tough operating environments of the general contractor for use in washdown service and water conveyance to a job site. Available in bulk reels, cut 50 foot lengths and 50 foot assemblies, coupled with male/female garden hose threads.
4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +212˚ F
Branding: CONTRACTOR WATER HOSE 200 PSI MAX WP MADE IN USA DE-1
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Package
7093-75200CW	3/4	19.1	2	1.109	28.2	32	6.0	200	350' reel
7093-7520050CW	3/4	19.1	2	1.109	28.2	32	6.0	200	50' uncoupled
7093BCWGH-600	3/4	19.1	2	1.109	28.2	33.3	6.0	200	50' coupled

LENGTHS: 350 ft. exact length reels, +/-0, 90% 1 piece, 10% 2 piece, 50 ft. min. lengths. 50 ft. lengths (bulk or coupled) are coiled and tied, 3 lengths per carton.
COUPLINGS: Coupling style 1, 2, 3, 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Contractor Water Hose - PVC

This is an economical water hose designed for general contractor use. The PVC cover provides excellent abrasion resistance, which relates to longer service life. Available in both bulk and coupled lengths.
3:1 Design factor

Tube: Black PVC
Cover: Black PVC
Reinforcement: Multiple textile spirals
Temp. Range: +20˚ F to +140˚ F
Branding: ---SWAN CONTRACTOR WATER HOSE---150 PSI WP---MADE IN USA---3/4 in. ID-19 MM---
Brand Description: Ink Brand - White letter color

Bulk Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Qty / Std. Pkg.
39357	5/8	15.9	2	0.881	22.4	19	6.0	150	500'
39358	3/4	19.1	2	1.030	26.1	21	7.0	150	5/50'
39359	3/4	19.1	2	1.030	26.1	21	7.0	150	500'
Coupled Part No.									
39378	5/8	15.9	2	0.881	22.4	20	6.0	150	5/50'
39379	3/4	19.1	2	1.030	26.1	22	7.0	150	5/50'

NOTE: Coupled with machined brass male/female garden hose threads and external crimped ferrules.

LENGTHS: Reels are exact 500 ft. +/-0 ft., 90% 1 piece, 10% 2 pc. - 50 ft. min. length. Both bulk cut 50 ft. lengths and coupled 50 ft. lengths are 5 per carton.
COUPLINGS: Garden hose type – Not available from Parker/Dayco, please contact Dixon.

THERM-O-RED®

ORS PVC Air Hose

THERM-O-RED® ORS hoses are made for air, water and moderate chemical applications. The tube is formulated with special additives to significantly increase the amount of oil resistance over normal PVC hoses. This special tube is protected by a non-marking cover. Combined, they provide a lightweight and highly flexible hose that is ideal for many industrial applications.
4:1 Design factor

Tube: Orange Prime PVC with ORS additives
Cover: Red Prime PVC
Reinforcement: Multiple Textile Spirals
Temp. Range: -20˚ F to +150˚ F
Branding: ---SWAN THERM-O-RED ORS --- 200 PSI WP --- MADE IN USA --- 3/4 in. - 19.1 MM ---
Brand Description: Ink Brand - White letters (1" embossed only)

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39374	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39375	3/8	9.5	2	0.641	16.3	12.2	4.0	300
39376	1/2	12.7	2	0.781	19.8	16.2	5.0	300
39377	3/4	19.1	2	1.031	26.2	20.8	8.0	200
39380	1	25.4	2	1.281	32.5	26.7	11.0	200

LENGTHS: Exact length 500 ft. reels, 90% 1 pc., 50 ft. min. length. 1 in. = 250 ft. reel.
COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

THERM-O-BLUE®

ORS PVC Air Hose

THERM-O-BLUE® ORS Hoses are made for air, water and moderate chemical applications. The tube is formulated with special additives to significantly increase the amount of oil resistance over normal PVC hoses. This special tube is protected by a non-marking cover. Combined, they provide a lightweight and highly flexible hose that is ideal for many industrial applications.
4:1 Design factor

Tube: Orange Prime PVC with ORS additives
Cover: Blue Prime PVC
Reinforcement: Multiple Textile Spirals
Temp. Range: -20˚ F to +150˚ F
Branding: ---SWAN THERM-O-BLUE ORS --- 200 PSI WP --- MADE IN USA --- 3/4 in.-19.1 MM ---
Brand Description: Ink Brand - White letters (1 in. embossed only)

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39390	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39391*	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39392**	1/4	6.4	2	0.500	12.7	8.4	3.0	300
39393	3/8	9.5	2	0.641	16.3	11.9	4.0	300
39394*	3/8	9.5	2	0.641	16.3	11.9	4.0	300
39395**	3/8	9.5	2	0.641	16.3	11.9	4.0	300
39396	1/2	12.7	2	0.781	19.8	15.9	5.0	300
39397	3/4	19.1	2	1.031	26.2	21.6	8.0	200
39398	1	25.4	2	1.281	32.5	27.9	11.0	200

LENGTHS: *5-50 ft. lengths per carton **3-100 ft. lengths per carton. Exact 500 ft. reels, 90% 1 piece, 50 ft. min. length, 1 in. = 250 ft. reel.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Heater Hose

Series 7186

Lightweight hose designed for automotive coolant heater hose service. Also ideal for low pressure water discharge. Resistant to LASSO® herbicide.
4:1 Design factor

Tube: Black EPDM
Cover: Black EPDM
Reinforcement: Multiple textile plies
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO SERIES 7186 HEATER HOSE 1/2 ID (12.7 MM) MADE IN USA
Brand Description: Ink Brand - White Letter color

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7186-501	1/2	12.7	2	0.781	19.8	18	6.0	125
7186-501050	1/2	12.7	2	0.781	19.8	18	6.0	125
7186-631	5/8	15.9	2	0.906	23.0	21	8.0	90
7186-631050	5/8	15.9	2	0.906	23.0	21	8.0	90
7186-751	3/4	19.1	2	1.031	26.2	25	9.0	70
7186-751050	3/4	19.1	2	1.031	26.2	25	9.0	70

LENGTHS: Random lengths on reels, 550 ft. max, 400 ft. min, max. 3 pieces with min. 50 ft. length.
COUPLINGS: Coupling style 5, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

JIFFY® HOSE Air Hose - MSHA

Series 7212

This oil resistant hose is excellent for use with air tools, to convey water, mild chemicals and various petroleum products. Light, flexible and couples in a jiffy - no clamps or special tools needed. Special braid angle for quick and secure push-on coupling retention. Available in various colors for color coding line. Flame resistant cover is branded with MSHA approval number.
4:1 Design factor

Tube: Black Nitrile
Cover: Black, blue, gray, green or red Neoprene
Reinforcement: One textile braid
Temp. Range: -40˚ F to +212˚ F
Branding: PARKER/DAYCO 7212 JIFFY® HOSE PUSH-ON 1/4 in. ID 300 PSI MAX WP MSHA# MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - White or black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7212-251	1/4	6.4	1	0.500	12.7	9	3.0	300
7212-381	3/8	9.5	1	0.625	15.9	12	3.0	300
7212-501	1/2	12.7	1	0.750	19.1	15	5.0	300
7212-631	5/8	15.9	1	0.906	23.0	20	6.0	300
7212-751	3/4	19.1	1	1.031	26.2	26	7.0	300

LENGTHS: Random lengths on reels. Max. 600 ft., min. 400 ft., 5 pieces max. with 50 ft. min. length.
COUPLINGS: Coupling style 8, 9, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Couplings Style Pages in the back of the catalog for coupling details.
***Note**: Add BK (black), BL (blue), GY (gray), GN (green) or RD (red) to complete part number.

JIFFY FLEX™ 250
250 PSI Push-On Hose - Spiral
Series 7161

A non-conductive spiral construction combined with oil-resistant materials make JIFFY FLEX an excellent choice in applications for air tools and petroleum products, as well as other applications requiring conveyance of mild chemicals or water where a light, flexible hose is needed. Push-On couplings insert easily and hold tightly. No clamps or special tools are needed. Available in various colors for easy identification in color-coded applications. Flame resistant cover is MSHA approved and branded with an MSHA approval number.
4:1 Design factor

Tube: Black Nitrile
Cover: Neoprene
Reinforcement: Multiple Textile Spirals
Temp. Range: -20° F to +180° F
Electrical Properties: Non-conductive with a minimum resistance one megohm per inch at 1000 volts DC.
Branding Example: PARKER/DAYCO 7161 JIFFY FLEX™ 250 PUSH-ON HOSE 1/4 in. ID 250 PSI MAX WP MSHA# ELECTRICALLY NON-CONDUCTIVE MADE IN USA DE1 (DATE CODE)
Brand Description: Ink Brand - Various letter colors

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-25250	1/4	6.35	2	0.520	13.21	10	3.0	250
-38250	3/8	9.53	2	0.650	16.38	14	3.0	250
-50250	1/2	12.70	2	0.781	19.81	17	5.0	250

LENGTHS: 500 ft. All reels are exact length (+0 ft./-0 ft.) 85% one piece, 15% two piece - 50 ft. min. length.
COUPLINGS: Coupling style 8, 9, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.
NOTE: Add BK (black), BL (blue), GY (gray), GN (green) or RD (red) to complete part number.

THORO-SPRAY®
High Pressure Spray Hose – 800 PSI
Series 7180

Designed for agricultural and residential high pressure spray applications. The tube will handle most pesticides, as well as liquid fertilizers. The cover is non-marking for safe use in residential areas.
4:1 Design factor

Tube: Black Nitrile
Cover: Green Nitrile/PVC
Reinforcement: Multiple textile braids
Temp. Range: -20˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7180 THORO-SPRAY® HOSE - 800 PSI MAX WP
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7180-252	1/4	6.4	2	0.625	15.9	15	3.0	800
7180-382	3/8	9.5	2	0.750	19.1	20	4.0	800
7180-502	1/2	12.7	2	0.938	23.8	29	5.0	800
7180-752	3/4	19.1	2	1.250	31.8	48	6.5	800

LENGTHS: Random lengths on nominal 500 ft. reels, 5 piece maximum.
COUPLINGS: Coupling style 2, 3, 8, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

DYNAFLEX® PVC Transparent Suction/Discharge Hose – FDA

Series 7570

Designed to handle a variety of applications where a lightweight, flexible suction/discharge hose is required. A steel helix wire combined with a thick wall construction gives the hose excellent kink, abrasion and crush resistance. The transparency allows for easy inspection of product being conveyed. Flexible to -10˚ F. The steel helix wire provides static conductivity. Meets CFR, Title 21 parts 170-199.
3:1 Design factor

Color: Transparent PVC
Construction: Multi-component PVC extrusion with helix wire
Temp. Range: -10˚ F to +120˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Approx. Wt Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7570-750	3/4	19.1	1.020	25.9	21	3.0	100
7570-1000	1	25.4	1.340	34.0	34	3.5	85
7570-1250	1 1/4	31.8	1.630	41.4	42	6.3	75
7570-1500	1 1/2	38.1	1.940	49.3	52	7.5	75
7570-2000	2	50.8	2.500	63.5	84	9.8	75
7570-2500	2 1/2	63.5	3.200	81.3	121	12.0	55
7570-3000	3	76.2	3.630	92.2	148	15.0	55
7570-4000	4	101.6	4.720	119.9	235	19.7	35
7570-6000	6	152.4	6.950	176.5	429	23.0	30

LENGTHS: 100 ft. coils
COUPLINGS: Coupling style 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines.

HYDRO-AIRE™ PVC Hose

Hydro-Aire™ hose is an extremely flexible and lightweight vinyl hose for air and water applications. Extruded PVC Tube. Black or Red
4:1 Design factor

Tube: Black PVC
Cover: Red or Black PVC
Reinforcement: Multiple Textile Spirals
Temp. Range: +20˚ F to +140˚ F
Branding: ---SWAN HYDRO-AIRE™---150 PSI WP---MADE IN USA ---1 in. (25.4 MM) ---
Brand Description: Ink Brand - White letter color

Part No.	Color	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
39362	Red	1/4	6.4	2	0.500	12.7	10	2.5	250
39382	Black	1/4	6.4	2	0.500	12.7	10	2.5	250
39363	Red	5/16	7.9	2	0.593	15.9	12	3.0	250
39383	Black	5/16	7.9	2	0.593	15.9	12	3.0	250
39364	Red	3/8	9.5	2	0.641	16.3	14	3.5	250
39384	Black	3/8	9.5	2	0.641	16.3	14	3.5	250
39365	Red	1/2	12.7	2	0.781	19.8	18	5.0	250
39385	Black	1/2	12.7	2	0.781	19.8	18	5.0	250
39366	Red	5/8	15.9	2	0.921	23.0	22	6.5	250
39386	Black	5/8	15.9	2	0.921	23.0	22	6.5	250
39367	Red	3/4	19.1	2	1.031	27.0	27	7.5	200
39387	Black	3/4	19.1	2	1.031	27.0	27	7.5	200
39368	Red	1	25.4	2	1.281	33.7	36	10.0	150
39388	Black	1	25.4	2	1.281	33.7	36	10.0	150

LENGTHS: Exact 500 ft. reels, 90% 1 piece, 10% 2 pieces - 50 ft. min. length. Available in cut lengths, coupled assemblies and various colors.

COUPLINGS: Coupling style 1, 2, 3, 5, 7, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Furnace Door Coolant Hose - Softwall

Series 7385

Designed for industrial cooling applications with melting furnaces at steel mills, glassworks, foundries, etc., and other work sites that require a hose to withstand high external temperatures. Withstands steel splashes and external heat radiation up to 572˚ F and internal cooling water temperature to 212˚ F.
4:1 Design factor

Tube: Black SBR
Cover: Off-White Nomex® Fabric
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +212˚ F internal, +572˚ F external
Branding: None

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7385-0500	1/2	12.70	2	0.969	24.61	30	5.0	150
7385-0750	3/4	19.05	2	1.260	32.00	45	6.0	150
7385-1000	1	25.40	2	1.442	36.63	47	8.0	150
7385-1250	1 1/4	31.75	2	1.718	43.64	60	9.0	150
7385-1500	1 1/2	38.10	2	2.135	54.23	101	12.0	150
7385-2000	2	50.80	4	2.679	68.05	138	24.0	150

LENGTHS: 100 ft. lengths up to 200 ft. on quotation.
COUPLINGS: Coupling style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Furnace Door Coolant Hose - Hardwall

Series 7386

The construction of this hose incorporates a steel helix wire that gives the hose suction capability and extra kink resistance. The hose is designed for industrial cooling applications with melting furnaces at steel mills, glassworks, foundries, etc., and other work sites that requires a hose to withstand high external temperatures. Withstands steel splashes and external heat radiation up to 572˚ F and internal cooling water temperature to 212˚ F.
4:1 Design factor

Tube: Black SBR
Cover: Off-White Nomex® Fabric
Reinforcement: Multiple textile plies
Temp. Range: -20˚ F to +212˚ F internal, +572˚ F external
Branding: None

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7386-0500	1/2	12.70	2	0.870	22.10	25	3.0	150
7386-0750	3/4	19.05	2	1.143	29.03	42	4.0	150
7386-1000	1	25.40	2	1.460	37.08	58	5.0	150
7386-1250	1 1/4	31.75	2	1.713	43.51	70	6.0	150
7386-1500	1 1/2	38.10	2	1.938	49.21	92	7.0	150
7386-2000	2	50.80	2	2.520	64.00	129	8.0	150

LENGTHS: 100 ft.
COUPLINGS: Coupling style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Welding

SIAMEEZ® Twin Welding Hose Grade T

Series 7109

OIL AND FLAME RESISTANT TUBE AND COVER

Warning! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Warning! Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

This hose is designed for portable or production line welding in factories, ships, construction work, etc. This hose is used with oxygen and most current fuel gases, including acetylene, hydrogen, propylene, propane, natural gas and MAPP® gas. The tube is non-blooming. Meets or exceeds RMA/CGA IP-7-99 standards for grade T, Type VD (vulcanized double) welding hose.
Minimum 4:1 Design factor

Tube:	Black Neoprene
Cover:	Green (oxygen), Red (fuel gas) Neoprene
Reinforcement:	Multiple Textile Spirals
Temp. Range:	-40˚ F to +200˚ F
Branding:	PARKER/DAYCO 7109 WELDING ! WARNING FUEL GAS 3/16 ID MAX WP 200 PSI RMA/CGA IP-7-90 STD DUTY GRADE T COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE)
Brand Description:	Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7109-191	3/16	4.8	2	0.438	11.1	15	2.0	200
7109-251	1/4	6.4	2	0.531	13.5	21	2.5	200
7109-311	5/16	7.9	2	0.594	15.1	28	3.0	200
7109-381	3/8	9.5	2	0.656	16.7	32	4.0	200

LENGTHS: Exact length reels, +/- 50 ft., 90% 1 piece, 50 ft. min. length and coupled assemblies.

COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules–not available from Parker/Dayco. Couplings not sold or quoted separately.

SIAMEEZ® Twin Welding Hose Grade RM

Series 7110

RED - ACETYLENE LINE ONLY
TUBE NOT OIL AND FLAME RESISTANT
COVER OIL AND FLAME RESISTANT

Warning! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Warning! Grade R & RM for use with acetylene gas ONLY! DO NOT use with any other fuel gas. Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

This hose is designed for portable or production line welding in factories, ships, construction work, etc. Meets or exceeds RMA and CGA (Compressed Gas Association) specifications for type VD (vulcanized double), Grade RM welding hose. The cover is oil and flame resistant with a tube that is non-blooming.
Minimum 4:1 Design factor

Tube: Black SBR
Cover: Green (oxygen), Red (acetylene) Neoprene
Reinforcement: Multiple textile spirals
Temp. Range: -40˚ F to +200˚ F
Branding: PARKER/DAYCO 7110 WELDING ! WARNING ACETYLENE ONLY 3/16 ID MAX WP 200 PSI RMA/CGA IP-7-99 STD DUTY GRADE RM COUPLE WITH ONE INCH FERRULES MADE IN USA
Brand Description: Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7110-191	3/16	4.8	2	0.438	11.1	15	2.0	200
7110-251	1/4	6.4	2	0.531	13.5	20	2.5	200
7110-311	5/16	7.9	2	0.594	15.1	25	3.0	200
7110-381	3/8	9.5	2	0.656	16.7	31	4.0	200

LENGTHS: Exact length reels, +/- 50 ft., 90% 1 piece, 10% 2 piece, 50 ft. min. length and coupled assemblies.
COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules–not available from Parker/Dayco. Couplings not sold or quoted separately.

SIAMEEZ® Twin Welding Hose - Grade R

Series 7126

RED - ACETYLENE LINE ONLY

TUBE AND COVER NOT OIL AND FLAME RESISTANT

Warning! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Warning! Grade R & RM for use with acetylene gas ONLY! DO NOT use with any other fuel gas. Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

This hose is recommended for portable or production line welding in factories, ships, construction work, etc. Meets or exceeds RMA and CGA (Compressed Gas Association) specifications for Type VD, Grade R welding hose. The tube is non-blooming. Minimum 4:1 Design factor

Tube:	Black EPDM
Cover:	Vulcanized twin - Green (oxygen), Red (acetylene) EPDM
Reinforcement:	Multiple textile spirals
Temp. Range:	-20˚ F to +200˚ F
Branding:	PARKER/DAYCO 7126 WELDING ! WARNING ACETYLENE ONLY 3/16 ID MAX WP 200 PSI RMA/CGA IP-7-99 STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES MADE IN USA
Brand Description:	Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7126-191	3/16	4.8	2	0.656	16.7	14	2.0	200
7126-251	1/4	6.4	2	0.531	13.5	10	2.5	200
7126-311	5/16	7.9	2	0.594	15.1	13	3.0	200
7126-381	3/8	9.5	2	0.656	16.7	28	4.0	200

LENGTHS: Exact length reels, +/- 50 ft., 90% 1 piece, 50 ft. min. length and coupled assemblies.

COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules–not available from Parker/Dayco. Couplings not sold or quoted separately.

Welding and Scarfing Hose

Series 7228 - RED-ACETYLENE LINE ONLY
Series 7229 - GREEN OXYGEN LINE

WARNING! For use with acetylene. Contact Dayco for recommendations on other fuel gases.

WARNING! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

Designed for heavy-duty welding and scarfing service; resists punishment from heat, sharp edges and rough treatment encountered in mills, industrial plants and mine sites. Oil and flame resistant cover.
4:1 Design factor.

Tube: Black SBR
Cover: Red or Green Neoprene
Reinforcement: Multiple textile braids
Temp. Range: -40˚ F to +180˚ F
Branding: PARKER/DAYCO USA 7228 WELDING - SCARFING HOSE 3/8 ID 250 PSI MAX WP DE2 (DATE CODE)
Brand Description: Ink Brand - Black letter color

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-382	3/8	9.5	2	0.812	20.6	27	4.5	250
-502	1/2	12.7	2	0.937	23.8	33	6.0	250

LENGTHS: Random lengths on nominal 500 ft. reels. Also available in specified cut lengths, 50 ft., & 100 ft. - on quotation.
COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules not available from Parker/Dayco. Couplings not sold or quoted separately.

Single Line Welding Hose - Grade T

Series 7141 - RED - FUEL GAS LINE
Series 7142 - GREEN - OXYGEN LINE
OIL AND FLAME RESISTANT TUBE AND COVER

Warning! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Warning! Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

For all welding and cutting operations with oxygen and most current fuel gases, including acetylene, hydrogen, natural gas, propane, propylene and MAPP® gas, where separate lines are preferable. The tube is non-blooming. Meets or exceeds RMA/CGA IP-7-99 standards for Grade T, Type S welding hose. Minimum 4:1 Design factor

Tube:	Black Neoprene
Cover:	Ribbed Red or Green Neoprene
Reinforcement:	Multiple textile spirals
Temp. Range:	-40˚ F to +200˚ F
Branding:	PARKER/DAYCO 7141 WELDING ! WARNING FUEL GAS 3/16 ID MAX WP 200 PSI RMA/CGA IP-7-99 STD DUTY GRADE T COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE)
Brand Description:	Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-19200	3/16	4.8	2	0.438	11.1	8	2.0	200
-25200	1/4	6.4	2	0.531	13.5	10	2.5	200
-31200	5/16	7.9	2	0.594	15.1	14	3.0	200
-38200	3/8	9.5	2	0.656	16.7	16	4.0	200
-50200	1/2	12.7	4	0.875	22.2	28	5.0	200

LENGTHS: Exact length reels, +/- 50 ft., 90% 1 piece, 50 ft. min. length.
COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules–not available from Parker/Dayco. Couplings not sold or quoted separately.

Single Line Welding Hose - Grade R

Series 7120 - RED-ACETYLENE LINE ONLY
Series 7121 - GREEN OXYGEN LINE
TUBE AND COVER NOT OIL AND FLAME RESISTANT

Warning! Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies that show signs of age or abuse. Refer to RMA IP-11-5, "Welding Hose, Precautions for the Selection and Use of".

Warning! Grade R & RM for use with acetylene gas ONLY! DO NOT use with any other fuel gas. Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

This hose is for welding and cutting operations with oxygen and acetylene gas (only) where separate lines are preferable. Meets or exceeds RMA and CGA (Compressed Gas Association) standards for Grade R, Type S welding hose. The tube is non-blooming and wax free.
4:1 Design factor

Tube:	Black EPDM
Cover:	Ribbed Red or Green EPDM
Reinforcement:	Multiple Textile Spirals
Temp. Range:	-40˚ F to +200˚ F
Branding:	PARKER/DAYCO 7120 WELDING ! WARNING ACETYLENE ONLY 3/16 ID (4.8 MM) MAX WP 200 PSI RMA/CGA IP-7-99 STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE)
Brand Description:	Ink Brand - White letter color

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-19200	3/16	4.8	2	0.438	11.1	7	2.0	200
-25200	1/4	6.4	2	0.531	13.5	10	2.5	200
-31200	5/16	7.9	2	0.594	15.1	13	3.0	200
-38200	3/8	9.5	2	0.656	16.7	14	4.0	200
-50200	1/2	12.7	4	0.875	22.2	25	5.0	200

LENGTHS: Exact length reels, +/- 50 ft., 90% 1 piece, 50 ft. min. length and coupled assemblies.

COUPLINGS: Special right hand or left hand threaded brass inserts and crimp ferrules–not available from Parker/Dayco. Couplings not sold or quoted separately.

Non-Conductive Cable Cover - Spiral

Series 7172

This hose has been designed for use as cable covering on water cooled welding systems. The specially blended non-conductive Nitrile tube and EPDM cover provide a minimum of 1 megohm resistance per inch at 1000 volts DC. The synthetic textile spiral reinforcement provides a lightweight product that can be used in many applications that require a non-conductive construction and 200 PSI working pressures.
4:1 Design factor

Tube: Black NBR Blend
Cover: Black EPDM
Reinforcement: Textile spirals
Temp. Range: -20˚ F to +212˚ F
Branding: None

Part No.	ID (in.)	ID (mm)	Reinf. Spirals	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7172-19200	3/16	4.8	2	0.405	10.3	6	1.5	200
7172-25200	1/4	6.4	2	0.477	12.1	7	2.0	200
7172-31200	5/16	7.9	2	0.500	12.7	8	2.5	200
7172-38200	3/8	9.5	2	0.601	15.3	10	3.0	200

LENGTHS: Exact length reels, 3/16 in. & 1/4 in. = 750 ft., 5/16 in. = 700 ft., 3/8 in.=650 ft. All reels have a +50 ft. /-0 ft. tolerance with 90% 1 piece, 10% 2 piece, with 50 ft. min. length.
COUPLINGS: Not supplied.

Oxygen Charging Hose

Series 7293

Designed for lancing and scarfing applications in steel mills and foundries. This hose is made with high quality, flame resistant Neoprene rubber compounds that stand up to tough, oily environments. The green Neoprene cover is used to indicate color coding for oxygen. The tube is cleaned and the ends are capped at the factory.
4:1 Design factor

Tube: Black Neoprene
Cover: Green Neoprene
Reinforcement: Multiple textile plies
Temp. Range: -22˚ F to +176˚ F
Branding: PARKER/DAYCO SERIES 7293 OXYGEN CHARGING 500 PSI MAX WP MADE IN USA 001
Brand Description: Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Plies	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7293-0500	1/2	12.7	2	0.992	25.2	38	3.5	500
7293-0750	3/4	19.1	2	1.276	32.4	54	3.5	500
7293-1000	1	25.4	2	1.528	38.8	68	4.5	500
7293-1250	1 1/4	31.8	2	1.930	49.0	108	5.0	500
7293-1500	1 1/2	38.1	2	2.174	55.2	124	7.0	500
7293-2000	2	50.8	4	2.764	70.2	180	14.0	500

LENGTHS: 100 ft., lengths up to 200 ft. available on quotation.
COUPLINGS: Non-sparking (brass) coupling style 2, 3, or for other coupling recommendations refer to NAHAD Assembly Guidelines. See Coupling Style Pages in the back of the catalog for coupling details.

Couplings

Note: The use of certain fitting and/or attachment styles reduces the maximum rated working pressure of the assembly to less than the maximum rated working pressure of the hose (Styles 1-7). Please confirm with the fitting and/or attachment supplier the maximum pressure rating for the fitting. For assembly working pressure guidelines, the NAHAD Assembly Guidelines should be used. Before selecting or using any Parker/Dayco Hose or Fittings or Related Accessories, it is important that you read the instructions in the “Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories”, which can be found in this catalog.

Coupling Style	Parker/Dayco Part Number	Dixon Part Number	Dixon P/N - Brass	Dixon P/N - Stainless	UMI P/N
1	7611-250F	AMC1	ABC1	RAMC1	N/A
1	7611-250M	AMB1	ABB1	RAMB1	N/A
1	7611-250BE	AM0	AB0	RAM0	N/A
1	7611-250TC	AM10	AB10	N/A	N/A
1	7611-380E	AMH	ABH	RAMH	N/A
1	7611-380F	AMC	ABC	RAMC	N/A
1	7611-380M	AMB	ABB	RAMB	N/A
1	7611-380BE	AM0	AB0	RAM0	N/A
1	7611-380TC	AM10	AB10	N/A	N/A
1	7611-500E	AM1	AB1	RAM1	N/A
1	7611-500F	AM3	AB3	RAM3	N/A
1	7611-500M	AM2	AB2	RAM2	N/A
1	7611-500BE	AM0	AB0	RAM0	N/A
1	7611-500TC	AM10	AB10	N/A	N/A
1	7611-630E	AM5	AB5	RAM5	N/A
1	7611-750E	AM6	AB6	RAM6	N/A
1	7611-750F	AM8	AB8	RAM8	N/A
1	7611-750M	AM7	AB7	RAM7	N/A
1	7611-750BE	AM0	AB0	RAM0	N/A
1	7611-750TC	AM10	AB10	N/A	N/A
1	7611-1000E	AM11	AB11	RAM11	N/A
1	7611-1000F	AM13	AB13	RAM13	N/A
1	7611-1000M	AM12	AB12	RAM12	N/A
1	7611-1000BE	AM0	AB0	RAM0	N/A
1	7611-1000TC	AM10	AB10	N/A	N/A
2	7615-250FGJ	GF1	N/A	N/A	N/A
2	7615-250FW	N/A	N/A	N/A	N/A
2	7615-250MJ	GBA	N/A	N/A	N/A
2	7615-250MW	N/A	N/A	N/A	N/A
2	7615-380FGJ	GF3	N/A	N/A	N/A
2	7615-380FW	WF3	N/A	N/A	N/A
2	7615-380MJ	GCA	N/A	N/A	N/A
2	7615-380MW	CA	N/A	N/A	N/A
2	7615-500FGJ	GF6	N/A	N/A	N/A
2	7615-500FW	WF6	N/A	N/A	N/A
2	7615-500MJ	GB1	N/A	N/A	N/A
2	7615-500MW	B1	N/A	N/A	N/A
2	7615-750FGJ	GF26	N/A	N/A	N/A
2	7615-750FW	WF26	N/A	N/A	N/A
2	7615-750MJ	GB6	N/A	N/A	N/A
2	7615-750MW	B6	N/A	N/A	N/A
2	7615-1000FGJ	GF36	N/A	N/A	N/A
2	7615-1000FW	WF36	N/A	N/A	N/A
2	7615-1000MJ	GB11	N/A	N/A	N/A
2	7615-1000MW	B11	N/A	N/A	N/A

Coupling Style	Parker/Dayco Part Number	Dixon Part Number	Dixon P/N - Brass	Dixon P/N - Stainless	UMI P/N
2	7615-1250FGJ	GF51	N/A	N/A	N/A
2	7615-1250FW	WF51	N/A	N/A	N/A
2	7615-1250MJ	GB16	N/A	N/A	N/A
2	7615-1250MW	B16	N/A	N/A	N/A
2	7615-1500FGJ	GF61	N/A	N/A	N/A
2	7615-1500FW	WF61	N/A	N/A	N/A
2	7615-1500MJ	GB21	N/A	N/A	N/A
2	7615-1500MW	B21	N/A	N/A	N/A
2	7615-2000FGJ	GF81	N/A	N/A	N/A
2	7615-2000FW	WF81	N/A	N/A	N/A
2	7615-2000MJ	GB26	N/A	N/A	N/A
2	7615-2000MW	B26	N/A	N/A	N/A
2	7615-2500FGJ	GF96	N/A	N/A	N/A
2	7615-2500FW	WF96	N/A	N/A	N/A
2	7615-2500MJ	GB31	N/A	N/A	N/A
2	7615-2500MW	B31	N/A	N/A	N/A
2	7615-3000FGJ	GF111	N/A	N/A	N/A
2	7615-3000FW	WF111	N/A	N/A	N/A
2	7615-3000MJ	GB36	N/A	N/A	N/A
2	7615-3000MW	B36	N/A	N/A	N/A
2	7615-4000FGJ	GF141	N/A	N/A	N/A
2	7615-4000FW	WF141	N/A	N/A	N/A
2	7615-4000MJ	GB46	N/A	N/A	N/A
2	7615-4000MW	B46	N/A	N/A	N/A
3	7692-251	BD	N/A	N/A	N/A
3	7692-381	CD	N/A	N/A	N/A
3	7692-501	DD	N/A	N/A	N/A
3	7692-502	B4	BB4	RB4	N/A
3	7692-503	B5	N/A	N/A	N/A
3	7692-751	BU9	BBU9	RBU9	N/A
3	7692-752	B9	BB9	RB9	N/A
3	7692-753	B10	BB10		N/A
3	7692-1001	BU14	BBU14	RBU14	N/A
3	7692-1002	B14	BB14	RB14	N/A
3	7692-1003	B15	N/A	N/A	N/A
3	7692-1251	B19	BB19	RB19	N/A
3	7692-1252	BU19	N/A	N/A	N/A
3	7692-1501	BU24	BBU24	RBU24	N/A
3	7692-1502	B24	BB24	RB24	N/A
3	7692-1503	B25	N/A	N/A	N/A
3	7692-2001	BU29	BBU29	RBU29	N/A
3	7692-2002	B29	BB29	RB29	N/A
3	7692-2003	B30	N/A	N/A	N/A
3	7692-2501	B34	N/A	N/A	N/A
3	7692-3001	B35	N/A	N/A	N/A
3	7692-3002	B39	N/A	N/A	N/A
3	7692-4001	BS49	N/A	N/A	N/A
3	7692-4002	N/A	N/A	N/A	N/A
4	7625-750 - To be Discontinued	N/A	N/A	N/A	N/A
4	7625-751 - To be Discontinued	N/A	N/A	N/A	N/A
4	7625-1001 - To be Discontinued	N/A	N/A	N/A	N/A
4	7625-1002 - To be Discontinued	N/A	N/A	N/A	N/A

Coupling Style	Parker/Dayco Part Number	Dixon Part Number	Dixon P/N - Brass	Dixon P/N - Stainless	UMI P/N
5	7628-191M	BN152	BN152	N/A	N/A
5	7628-192M	BN151	BN151	N/A	N/A
5	7628-251M	BN21	BN21	RN21	N/A
5	7628-252M	BN22	BN22	RN22	N/A
5	7628-253M	BN23	BN23	RN23	N/A
5	7628-311M	BN252	BN252	N/A	N/A
5	7628-381M	BN31	BN31	N/A	N/A
5	7628-382M	BN32	BN32	RN32	N/A
5	7628-383M	BN33	BN33	RN33	N/A
5	7628-501M	BN42	BN42	RN42	N/A
5	7628-502M	BN43	BN43	RN43	N/A
5	7628-503M	BN44	BN44	RN44	N/A
5	7628-751M	BN66	BN66	RN66	N/A
5	7628-1001M	BN88	BN88	RKHN881	N/A
6	7657-752F	H5191	Std. Is Brass	N/A	N/A
6	7657-751M	H5192	Std. Is Brass	N/A	N/A
6	7657-1002F	H5211	Std. Is Brass	N/A	100F
6	7657-1001M	H5212	Std. Is Brass	N/A	100M
6	7657-1252F	H5221	Std. Is Brass	N/A	125F
6	7657-1251M	H5222	Std. Is Brass	N/A	125M
6	7657-1382F	H5271	Std. Is Brass	N/A	137F
6	7657-1381M	H5272	Std. Is Brass	N/A	137M
6	7657-1502F	H5231	Std. Is Brass	N/A	150F
6	7657-1501M	H5232	Std. Is Brass	N/A	150M
6	7657-2002F	H5241	Std. Is Brass	N/A	200F
6	7657-2001M	H5242	Std. Is Brass	N/A	200M
6	7657-2502F	H5251	Std. Is Brass	N/A	250F
6	7657-2501M	H5252	Std. Is Brass	N/A	250M
6	7657-3002F	H5261	Std. Is Brass	N/A	300F
6	7657-3001M	H5262	Std. Is Brass	N/A	300M
6	7657-4002F	H5281	Std. Is Brass	N/A	400F
6	7657-4001M	H5282	Std. Is Brass	N/A	400M
7	7670-501	STC1	N/A	RST1	N/A
7	7670-751	STC5	N/A	RST5	N/A
7	7670-1001	STC10	N/A	RST10	N/A
7	7670-1251	STC15	N/A	RST15	N/A
7	7670-1501	STC20	N/A	RST20	N/A
7	7670-2001	STC25	N/A	RST25	N/A
7	7670-2501	STC30	N/A	RST30	N/A
7	7670-3001	STC35	N/A	RST35	N/A
7	7670-4001	STC40	N/A	RST40	N/A
7	7670-5001	STC50	N/A	RST50	N/A
7	7670-6001	STC60	N/A	RST60	N/A
7	7670-8001	STC80	N/A	RST80	N/A
7	7670-10001	STC1001	N/A	N/A	N/A
8	See the CrimpSource Program for the most current recommendations and specifications.				
9	Parker/Dayco series KA or 82				
10	7672	No Equivalent			
11	7676	No Equivalent			
12	7613	No Equivalent			

13	7610	No Equivalent			
14	7674	No Equivalent			
15	See Parker/Dayco Industrial Hose with Dixon and Ever-tite current Coupling recommendations and specifications.				

Dixon Valve & Coupling Co.
800 High Street
Chestertown, MD 21620
Toll Free: 800-355-1991

United Metal Industries, Inc.
1008 3rd Avenue
New Hyde Park, NY 11040
Toll Free: 800-359-6801

8 13

DRAGON BREATH® Steam Couplings

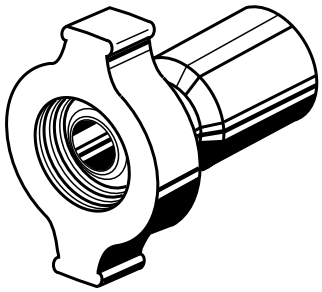
Series 7610

FEMALE WING NUT

Service: High pressure air, water and steam.

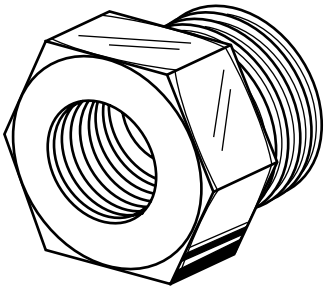
Description: One piece ferrule and stem with machined ductile iron female wing nut. NPSM thread with Ground Joint O-Ring Seal.

Attachment: Permanent Crimp, contact Parker/Dayco for crimp specifications.



Hose ID	Thread Female	Part No.
1/2	1” NPSM	7610-8BWGJF
3/4	1-1/2” NPSM	7610-12BWGJF
1	1-1/2” NPSM	7610-16BWGJF

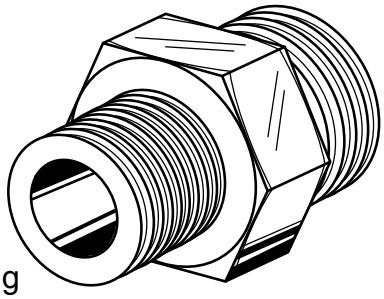
DRAGON BREATH™
Steam Coupling Adapter
Series 7612
FEMALE SPUD – STEEL



Service: Medium to high pressure
Description: Adapter between female ground joint coupling and NPT male pipe.

NPT Thread	NPSM Thread	Part Number
Female 1/2”	Male 1”	7612-500GFS2
Female 3/4”	Male 1-1/2”	7612-750GFS3
Female 1/2”	Male 1-1/2”	7612-100GFS4

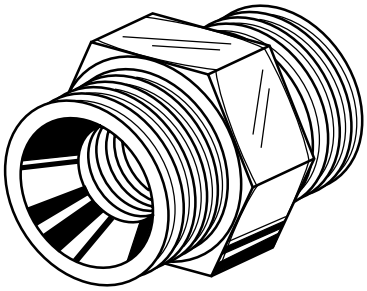
DRAGON BREATH™
Steam Coupling Adapter
Series 7612
MALE SPUD – STEEL



Service: Medium to high pressure
Description: Adapter between female ground joint coupling and female NPT.

NPT Thread	NPSM Thread	Part Number
Male 1/2”	Male 1”	7612-500MS2
Male 3/4”	Male 1-1/2”	7612-750GMS3
Male 1/2”	Male 1-1/2”	7612-100GMS4

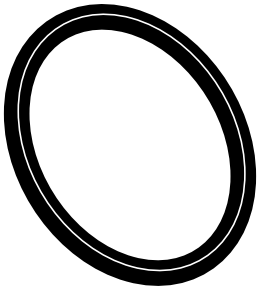
DRAGON BREATH™
Steam Coupling Adapter
Series 7612
DOUBLE SPUD – STEEL



Service: Medium to high pressure
Description: Adapter between two female ground joint couplings.

Male Thread	Male Thread	Part Number
Male 1-1/2”	Male 1-1/2”	7612-100GDS3
Male 1”	Male 1”	7612-500GDS2

DRAGON BREATH™
Steam Coupling Component
Series 7612
O-RING - VITON®



Service: Replacement O-Ring for Dragon Breath™ Steam Hose Coupling System

Part Number

7612-VITON-OR

Viton is a registered trademark of DuPont/Dow.

8 12

DRAGON BREATH™ Steam Couplings

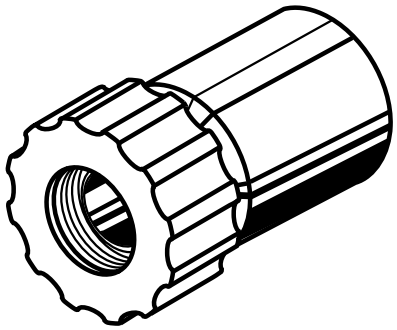
Series 7613

FEMALE ULTIMATE GRIP NUT

Service: High pressure air, water and steam.

Description: One piece ferrule and stem with machined ductile iron female ultimate grip nut. NPSM thread with Ground Joint O-Ring Seal.

Attachment: Permanent Crimp, contact Parker/Dayco for crimp specifications.
Refer to Parker/Dayco Industrial Hose Crimp Specifications for BW coupling crimp specifications.



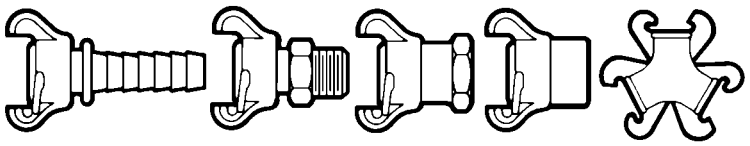
Hose ID	Thread Female	Part No.
1/2	1” NPSM	7613-8BWGJF
3/4	1-1/2” NPSM	7613-12BWGJF
1	1-1/2” NPSM	7613-16BWGJF

Universal Type Couplings

Series 7611

PLATED MALLEABLE IRON

1



E M F BE TC

Service: For low pressure air, water, and other service requiring quick or frequent connections.
WARNING! Not For Steam Service!
WARNING! Not recommended for applications above 110 PSI working pressure!

Description: Plated malleable iron. Several type ends available for connection to hose, NPT male and female connections, blanks for sealing, and triple connectors.

Attachment: Interlocking clamp series 7692.

Manufacturer: Dixon Valve & Coupling

BE = Blank End
E = Hose End
F = Female End
M = Male End
NG = Neoprene Gasket
TC = Triple Connection

Hose ID (in.)	Hose End	Female End	Male End	Blank End	Triple Connection	Extra Neoprene Gaskets
1/4	N/A	-250F	-250M	-250BE	-250TC	——
3/8	-380E	-380F	-380M	-380BE	-380TC	——
1/2	-500E	-500F	-500M	-500BE	-500TC	——
3/4	-750E	-750F	-750M	-750BE	-750TC	——
1	-1000E	-1000F	-1000M	-1000BE	N/A	-1000NG

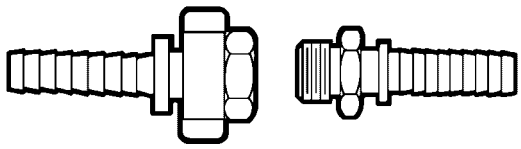
2

Interlocking Clamp Type Couplings

Series 7615

PLATED MALLEABLE IRON/STEEL

High pressure air, water, steam, petroleum products, and chemicals.



Service: High pressure air, water, steam, petroleum products, and chemicals.

Description: Plated malleable iron wing nut with either malleable iron or steel stem and spud. NPT male and NPT female spud. Female wing nut-to-spud connection is NPSM ground joint or washer seal.

Attachment: Interlocking clamp series 7692.

Manufacturer: Dixon Value & Coupling

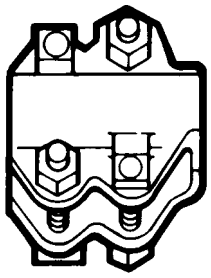
Hose ID (in.)	NPT Thread Size (in.)	Female Ground Joint	Female Washer Type	Male For Either Female
1/4	1/4	-250FGJ	-250FW	-250M
3/8	3/8	-380FGJ	-380FW	-380M
1/2	1/2	-500FGJ	-500FW	-500M
3/4	3/4	-750FGJ	-750FW	-750M
1	1	-1000FGJ	-1000FW	-1000M
1 1/4	1 1/4	-1250FGJ	-1250FW	-1250M
1 1/2	1 1/2	-1500FGJ	-1500FW	-1500M
2	2	-2000FGJ	-2000FW	-2000M
2 1/2	2 1/2	-2500FGJ	-2500FW	-2500M
3	3	-3000FGJ	-3000FW	-3000M
4	4	-4000FGJ	-4000FW	-4000M

Interlocking Clamps

Series 7692

PLATED MALLEABLE IRON

3

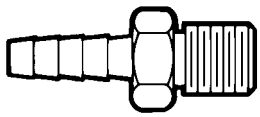


Service: For attaching high pressure coupling series 7611, 7615.
Description: Plated malleable iron, 2, 4 and 6 bolt configuration.
Manufacturer: Dixon Valve & Coupling
Torque Specifications: Contact Dixon Valve & Coupling

Hose ID (in.)	Hose OD (in.) From	Hose OD (mm) From	Hose OD (in.) To	Hose OD (mm) To	Bolts	Part No.
1/4	9/16	14.3	21/32	16.7	2	-251
3/8	21/32	16.7	13/16	20.6	2	-381
1/2	13/16	20.6	1 15/16	23.8	2	-501
1/2	15/16	23.8	1 1/16	27.0	2	-502
1/2	1 1/16	27.0	1 3/16	30.2	2	-503
3/4	1 3/16	30.2	1 5/16	33.3	2	-751
3/4	1 5/16	33.3	1 1/2	38.1	2	-752
3/4	1 1/2	38.1	1 11/16	42.9	2	-753
1	1 17/32	38.9	1 23/32	43.7	4	-1001
1	1 11/16	42.9	1 27/32	46.8	4	-1002
1	1 7/8	47.6	2 1/16	52.4	4	-1003
1 1/4	2 1/16	52.4	2 1/4	57.2	4	-1251
1 1/4	1 25/32	45.2	2 3/32	53.2	4	-1252
1 1/2	2 3/32	53.2	2 9/32	57.9	4	-1501
1 1/2	2 1/4	57.2	2 7/16	61.9	4	-1502
1 1/2	2 15/32	62.7	2 23/32	69.1	4	-1503
2	2 1/2	63.5	2 25/32	70.6	4	-2001
2	2 3/4	69.9	3 1/16	77.8	4	-2002
2	3 3/32	78.6	3 7/16	87.3	4	-2003
2 1/2	3 1/2	88.9	3 15/16	100.0	4	-2501
3	3 13/16	96.8	4 3/16	106.4	4	-3001
3	4 1/16	103.2	4 7/16	112.7	4	-3002
4	4 7/8	123.8	5 5/16	134.9	6	-4001
4	5 1/8	130.2	6 3/16	157.2	6	-4002

Barbed Inserts
Series 7628
MACHINED BRASS

5



Service: Low to medium pressure, air, water and general purpose.

Description: Machined brass, serrated shank. NPTF dryseat male.

Attachment: Ferrule, band or clamp.

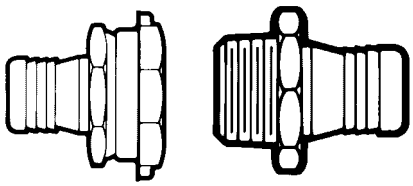
M = Male

Part No.	Hose ID (in.)	Thread Size (in.)
7628-191M	3/16	1/4
7628-192M	3/16	1/8
7628-251M	1/4	1/8
7628-252M	1/4	1/4
7628-253M	1/4	3/8
7628-311M	5/16	1/4
7628-381M	3/8	1/8
7628-382M	3/8	1/4
7628-383M	3/8	3/8
7628-501M	1/2	1/4
7628-502M	1/2	3/8
7628-503M	1/2	1/2
7628-751M	3/4	3/4
7628-1001M	1	1

Petroleum Transfer
Hose Couplings - Permanent

6

Series 7657
BRASS



Service: Low to medium pressure, permanent, for use with tank truck and aircraft refueling hoses.

Description: Brass with serrated stem NPSH female swivel, gasket seal, NPT male. Ferrules are internally serrated brass.

Attachment: Stem is internally expanded to provide compression of the hose between the insert and the ferrule. (Hose ID size is required with order so that correct ferrule size is supplied).

F = Female **M = Male**

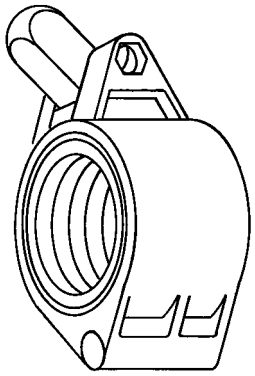
Part No.	Hose ID (in.)	Thread Size (in.)
7657-752F	3/4	3/4
7657-751M	3/4	3/4
7657-1002F	1	1
7657-1001M	1	1
7657-1252F	1 1/4	1 1/4
7657-1251M	1 1/4	1 1/4
7657-1382F	1 3/8	1 1/2
7657-1381M	1 3/8	1 1/2
7657-1502F	1 1/2	1 1/2
7657-1501M	1 1/2	1 1/2
7657-2002F	2	2
7657-2001M	2	2
7657-2502F	2 1/2	2 1/2
7657-2501M	2 1/2	2 1/2
7657-3002F	3	3
7657-3001M	3	3
7657-4002F	4	4
7657-4001M	4	4

NOTE: Ferrule included in part numbers above.

Gasoline Vapor Recovery Hose Clamp

Series 7658

INJECTION MOLDED PLASTIC



Service: For use with PETROFLEX® 2000 co-axial vapor recovery hose system where retractor cables are required.

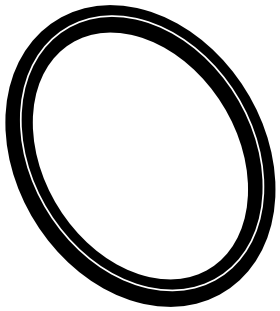
Description: Injection molded high impact plastic external "clamshell" design with 2-piece internal clamp halves, 4 metal screws and 1 metal bolt with nut.

Attachment: Clamp halves placed over outer hose, 4 screws inserted and tightened. External clamshell placed over halves and bolt and nut secured.

NOTE: For use with Series 7574 PETROFLEX® 2000 vapor recovery hose only.

Hose ID (in.)	Part No.
1 1/2	7658-0017

PETROFLEX® 2000
O-Ring Replacement
Series 7658



Service: Replacement O-Ring for the 7574 PETROFLEX® 2000 Balance Vapor Recovery system's large swivel nut.

Part No.	Std. Pack
7658-70	100

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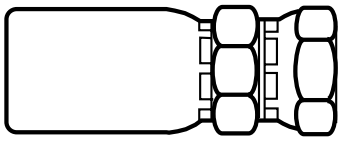
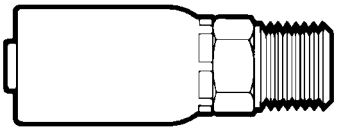
Crimp Couplings
Series 7661





Service: Designed for industrial hose applications that require maximum coupling retention.

Description: Zinc Plated

Part No.	Hose ID (in.)	Thread Size & Style
7661-04FF04TY	1/4	1/4-18 NPTF Rigid Female
7661-04FJ04TY	1/4	7/16-20 JIC Swivel Female
7661-04FN04TY	1/4	1/4-18 NPSM Swivel Female
7661-04MP04TY	1/4	1/4-18 NPTF Rigid Male
7661-05FJ04TY	1/4	1/2-20 JIC Swivel Female
7661-06FA04TY	1/4	5/8-18 SAE Swivel Female
7661-06MP08TY	1/2	3/8-18 NPTF Rigid Male
7661-08FJ08TY	1/2	3/4-16 JIC Swivel Female
7661-08MP08TY	1/2	1/2-14 NPTF Rigid Male
7661-08SP08TY	1/2	1/2-14 JIC Swivel Male
7661-10FJ08TY	1/2	7/8-14 JIC Swivel Female
7661-12MP08TY	1/2	3/4-14 NPTF Rigid Male
7661-16FJ16LAR	1	1-5/16-12 JIC Swivel Female
7661-16MP16LAR	1	1-11-1/2 NPTF Rigid Male
7661-32NP32LA	2	2-11-1/2 NPTF Rigid
7661-32FJ32LA	2	2-1/2-12 JIC Swivel Female

Note: The crimp specification uses the suffix of the part number (i.e. - TY, LA, LAR) to access crimping information.

Combination Nipples
Series 7670
PLATED STEEL

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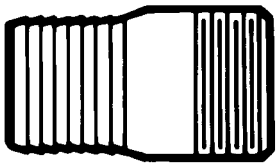

Service: Low to medium pressure suction and discharge of water, fluids and material handling.
Description: Plated steel, serrated shank, NPT male threads.
Attachment: Clamps or bands.

Hose ID (in.)	Thread Size (in)	Part No.
1/2	1/2	-501
3/4	3/4	-751
1	1	-1001
1 1/4	1 1/4	-1251
1 1/2	1 1/2	-1501
2	2	-2001
2 1/2	2 1/2	-2501
3	3	-3001
4	4	-4001
5	5	-5001
6	6	-6001
8	8	-8001
10	10	-10001

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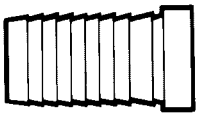
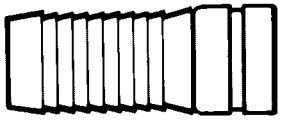
EZ-FLO® Couplings

Series 7672

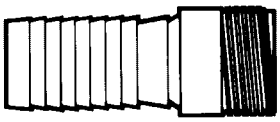
PLAIN STEEL



Blank Weld-On



Grooved Coupling



Male Pipe Thread

Service: Internally expandand couplings that handle low, medium, and high pressure critical applications where full flow is required.

Description: Tubular steel designed for full flow service and easy installation.

Attachment: Insert is internally expanded to provide pressure against hose and ferrule Series 7676.

Hose ID (in.)	Blank Weld-On	Grooved California End	Male Pipe Thread
1 1/2	-150BW*	-150G*	-150NPT
2	-200BW*	-200G	-200NPT
2 1/2	-250BW*	-250G	-250NPT*
3	-300BW*	-300G	-300NPT
4	-400BW*	-400G*	-400NPT

*Note: Non-stock (contact Parker/Dayco for minimum order quantity and availability)

EZ-FLO® Couplings
Series 7674
304 STAINLESS STEEL

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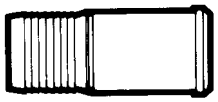
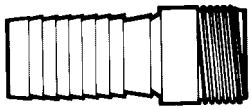
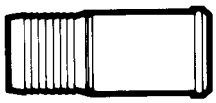


DAIRY BEVELED SEAT
COWLSE

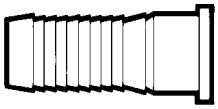


MALE HOSE SHANK MALE PIPE THREAD
NPT

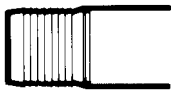
ACME NUT
AN



BLANK WELD-ON
BW



FLANGED SANITARY END
SE



TUBE END FOR STAINLESS TUBING
TESE

Service: Low, medium and high pressure permanent design for critical applications associated with food, beverages and chemicals. Parker/Dayco's food hoses can mate with most systems used for sanitary requirements. (Wineries, breweries, pharmaceutical, milk etc.)

Description: Internally expanded couplings that handle low, medium, and high pressure applications that require full flow with food, beverages, and chemicals. Parker/Dayco's food hoses can mate with most systems used for sanitary requirements. (Wineries, breweries, pharmaceutical, milk, etc.)

Attachment: Insert is internally expanded to provide pressure against hose and ferrule series 7676.

Part No.	Hose ID (in.)	Part No.	Hose ID (in.)	Part No.	Hose ID (in.)
7674-1501AN	1 1/2	7674-2001NPT	2	7674-1501COWLSE	1 1/2
7674-2001AN	2	7674-3001NPT	3	7674-2001COWLSE	2
7674-2501AN*	2 1/2			7674-2501COWLSE	2 1/2
7674-3001AN*	3			7674-3001COWLSE	3
7674-4001AN*	4			7674-4001COWLSE	4
7674-1501BW*	1 1/2	7674-1500SE	1 1/2	7674-1501TESE	1 1/2
7674-2001BW*	2	7674-2000SE	2	7674-2001TESE	2
7674-2501BW*	2 1/2	7674-2500SE	2 1/2	7674-2501TESE	2 1/2
7674-3001BW*	3	7674-3000SE	3	7674-3001TESE	3
7674-4001BW*	4			7674-4001TESE	4

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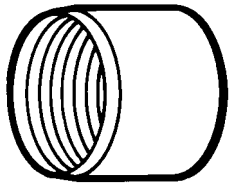
EZ-FLO® Ferrules

Series 7676
304 Stainless or Plain Steel



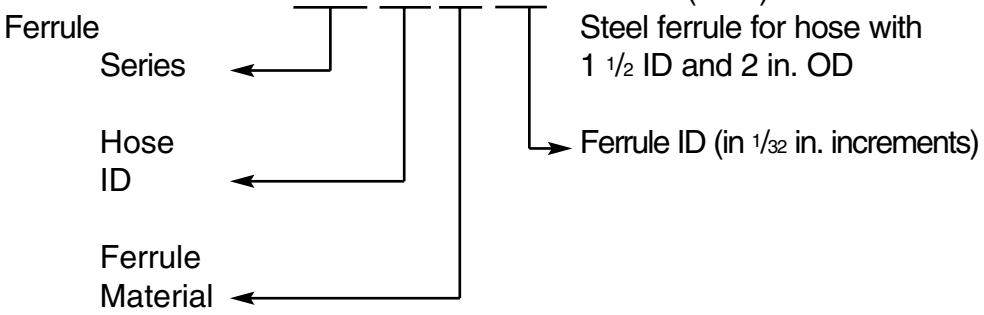
Service: Ferrules used with internally expanded insert couplings, see 7672 and 7674. The 5 in. and 6 in. stainless steel ferrules are available upon request. Contact Customer Service. Subject to minimum runs.

Description: Plain steel, stainless steel. Sizes must be specified, based on measured hose OD (see instruction manual for proper ferrule selection).

Note: Measure with OD tape.

Attachment: Ferrule is slipped over hose OD and insert is internally expanded.

Example of complete ferrule part numbers:
7676-150 SS 202 = 2-1/16 in (2 2/32) ID Stainless Steel ferrule for hose with 1 1/2 ID and 2 in. OD



Ferrule Size Instructions

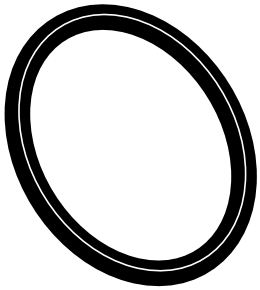
Note: ID of the ferrules should be approximately 1/32 in. larger than the hose OD (for non-helix reinforced hoses) and not mechanically forced onto hose - If ferrule is tight, select the next available larger ID size. **For hose with helix wire, add 2/32 in. to ferrule size. If proper size ferrule is not utilized, then there is a potential of a hose failure that can cause property damage and bodily harm.**

Plain Steel		Stainless Steel	
Part No.	Hose ID (in.)	Part No.	Hose ID (in.)
7676-150PS*	1 1/2	7676-150SS*	1 1/2
7676-200PS*	2	7676-200SS*	2
7676-250PS*	2 1/2	7676-250SS*	2 1/2
7676-300PS*	3	7676-300SS*	3
7676-400PS*	4	7676-400SS*	4
7676-500PS*	5		
7676-600PS*	6		

*Add ferrule size - 3 digits - for correct part number, per example of part number above.

FLEX-EVER ULTIMATE™ ACTIVE VAPOR RECOVERY O-RING REPLACEMENTS

Series 7684



Service: Replacement O-Rings for Series 7246 and 7253 FLEX-EVER™ ULTIMATE VR active vapor recovery system.

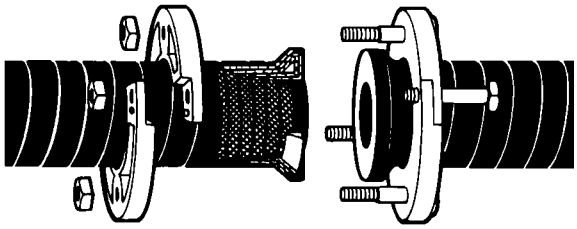
Part No.	Location	Std. Pack
-0006AC	Inner Hose Insert	100
-0008AC	Ridgid or Swivel Nut	100

Daylok® Beaded Hose Ends*

DAYLOK® beaded ends may be ordered only with hand-built wrapped ply hose style with a smooth bore. They are normally used on hoses handling chemicals and abrasive materials. Split rings provide quick and convenient hose rotation for longer life in transmitting abrasive materials. Bolt holes may be quickly aligned with this type backup ring. DAYLOK beaded ends are not recommended for service over 150 PSI. They are available on hose ID sizes 2 in. through 12 in.

*Contact Customer Service for price & availability.

Note: These are built into hoses only—not sold or quoted separately.

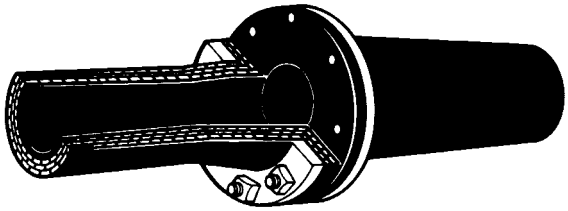


Duck and Rubber Flanges*

Duck and Rubber Flanges are available on some hand-built, wrapped ply construction hose with a smooth bore from 2 in. to 12 in. ID. The flanged ends provide a liquid tight seal when bolted to a mating flange. The one piece backup ring does not come in contact with the material being carried by the hose. Specify drilling arrangement when ordering.

*Contact Customer Service for price & availability.

Note: These are built into hoses only-not sold or quoted separately.



Safety and Technical Data

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

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

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories ("Products") can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocution from high voltage electric powerlines.
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping Hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity buildup or other sources of electricity.
- Sparking or explosion while spraying paint or flammable liquids.
- Injuries resulting from inhalation, ingestion or exposure to fluids.

Before selecting or using any of these Products, it is important that you read and follow the instructions below. Only Hose from Parker's Stratoflex Products Division is approved for in flight aerospace applications, and no other Hose can be used for such in flight applications.

1.0 GENERAL INSTRUCTIONS

1.1 Scope: This safety guide provides instructions for selecting and using (including assembling, installing, and maintaining) these Products. For convenience, all rubber and/or thermoplastic products commonly called "hose" or "tubing" are called "Hose" in this safety guide. All assemblies made with Hose are called "Hose Assemblies". All products commonly called "fittings" or "couplings" are called "Fittings". All related accessories (including crimping and swaging machines and tooling) are called "Related Accessories". This safety guide is a supplement to and is to be used with, the specific Parker publications for the specific Hose, Fittings and Related Accessories that are being considered for use.

1.2 Fail-Safe: Hose, and Hose Assemblies and Fittings can and do fail without warning for many reasons. Design all systems and equipment in a fail-safe mode, so that failure of the Hose or Hose Assembly or Fitting will not endanger persons or property.

1.3 Distribution: Provide a copy of this safety guide to each person that is responsible for selecting or using Hose and Fitting products. Do not select or use Parker Hose or Fittings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the products considered or selected.

1.4 User Responsibility: Due to the wide variety of operating conditions and applications for Hose and Fittings, Parker and its distributors do not represent or warrant that any particular Hose or Fitting is suitable for any specific end use system. This safety guide does not analyze all technical parameters that must be considered in selecting a product. The user, through its own analysis and testing, is solely responsible for:

- Making the final selection of the Hose and Fitting.
- Assuring that the user's requirements are met and that the application presents no health or safety hazards.
- Providing all appropriate health and safety warnings on the equipment on which the Hose and Fittings are used.
- Assuring compliance with all applicable government and industry standards.

1.5 Additional Questions: Call the appropriate Parker technical service department if you have any questions or require any additional information. See the Parker publication for the product being considered or used, or call 1-800-CPARKER, or go to www.parker.com, for telephone numbers of the appropriate technical service department.

2.0 HOSE AND FITTING SELECTION INSTRUCTIONS

2.1 Electrical Conductivity: Certain applications require that the Hose be nonconductive to prevent electrical current flow. Other applications require the Hose and the Fitting and the Hose/Fitting interface to be sufficiently conductive to drain off static electricity. Extreme care must be exercised when selecting Hose and Fittings for these or any other applications in which electrical conductivity or nonconductivity is a factor.

The electrical conductivity or nonconductivity of Hose and Fittings is dependent upon many factors and may be susceptible to change. These factors include but are not limited to the various materials used to make the Hose and the Fittings, Fitting finish (some Fitting finishes are electrically conductive while others are nonconductive), manufacturing methods (including moisture control), how the Fittings contact the Hose, age and amount of deterioration or damage or other changes, moisture content of the Hose at any particular time, and other factors.

The following are considerations for electrically nonconductive and conductive Hose. For other applications consult the individual catalog pages and the appropriate industry or regulatory standards for proper selection.

2.1.1 Electrically Nonconductive Hose: Certain applications require that the Hose be nonconductive to prevent electrical current flow or to maintain electrical isolation. For these applications that require Hose to be electrically nonconductive, including but not limited to applications near high voltage electric lines, only special nonconductive Hose can be used. The manufacturer of the equipment in which the nonconductive Hose is to be used must be consulted to be certain that the Hose and Fittings that are selected are proper for the application. Do not use any Parker Hose or Fitting for any such application requiring nonconductive Hose, including but not limited to applications near high voltage electric lines, unless (i) the application is expressly approved in the Parker technical publication for the product, (ii) the Hose is marked "nonconductive", and (iii) the manufacturer of the equipment on which the Hose is to be used specifically approves the particular Parker Hose and Fitting for such use.

2.1.2 Electrically Conductive Hose: Parker manufacturers special Hose for certain applications that require electrically conductive Hose.

Parker manufactures special Hose for conveying paint in airless paint spraying applications. This Hose is labeled "Electrically Conductive Airless Paint Spray Hose" on its layline and packaging. This Hose must be properly connected to the appropriate Parker Fittings and properly

grounded in order to dissipate dangerous static charge buildup, which occurs in all airless paint spraying applications. Do not use any other Hose for airless paint spraying, even if electrically conductive. Use of any other Hose or failure to properly connect the Hose can cause a fire or an explosion resulting in death, personal injury, and property damage.

Parker manufactures a special Hose for certain compressed natural gas ("CNG") applications where static electricity buildup may occur. Parker CNG Hose assemblies comply with AGA Requirements 1-93, "Hoses for Natural Gas Vehicles and Fuel Dispensers". This Hose is labeled "Electrically Conductive for CNG Use" on its layline and packaging. This Hose must be properly connected to the appropriate Parker Fittings and properly grounded in order to dissipate dangerous static charge buildup, which occurs in, for example, high velocity CNG dispensing or transfer. Do not use any other Hose for CNG applications where static charge buildup may occur, even if electrically conductive. Use of other Hoses in CNG applications or failure to properly connect or ground this Hose can cause a fire or an explosion resulting in death, personal injury, and property damage. Care must also be taken to protect against CNG permeation through the Hose wall. See section 2.6, Permeation, for more information. Parker CNG Hose is intended for dispenser and vehicle use at a maximum temperature of 180°F. Parker CNG Hose should not be used in confined spaces or unventilated areas or areas exceeding 180°F. Final assemblies must be tested for leaks. CNG Hose Assemblies should be tested on a monthly basis for conductivity per AGA 1-93.

Parker manufacturers special Hose for aerospace in flight applications. Aerospace in flight applications employing Hose to transmit fuel, lubricating fluids and hydraulic fluids require a special Hose with a conductive inner tube. This Hose for in flight applications is available only from Parker's Stratoflex Products Division. Do not use any other Parker Hose for in flight applications, even if electrically conductive. Use of other Hoses for in flight applications or failure to properly connect or ground this Hose can cause a fire or an explosion resulting in death, personal injury , and property damage. These Hose assemblies for in flight applications must meet all applicable aerospace industry, aircraft engine, and aircraft requirements.

2.2 Pressure: Hose selection must be made so that the published maximum recommended working pressure of the Hose is equal to or greater than the maximum system pressure. Surge pressures or peak transient pressures in the system must be below the published maximum working pressure for the Hose. Surge pressures and peak pressures can usually only be determined by sensitive electrical instrumentation that measures and indicates pressures at millisecond intervals. Mechanical pressure gauges indicate only average pressures and cannot be used to determine surge pressures or peak transient pressures. Published burst pressure ratings for Hose is for manufacturing test purposes only and is no indication that the Product can be used in applications at the burst pressure or otherwise above the published maximum recommended working pressure.

2.3 Suction: Hoses used for suction applications must be selected to insure that the Hose will withstand the vacuum and pressure of the system. Improperly selected Hose may collapse in suction application.

2.4 Temperature: Be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the Hose. Temperatures below and above the recommended limit can degrade Hose to a point where a failure may occur and release fluid. Properly insulate and protect the Hose Assembly when routing near hot objects (e.g. manifolds). Do not use any Hose in any application where failure of the Hose could result in the conveyed fluids (or vapors or mist from the conveyed fluids) contacting any open flame, molten metal, or other potential fire ignition source that could cause burning or explosion of the conveyed fluids or vapors.

2.5 Fluid Compatibility: Hose Assembly selection must assure compatibility of the Hose tube, cover, reinforcement, and Fittings with the fluid media used. See the fluid compatibility chart in the Parker publication for the product being considered or used. This information is offered only as a guide. Actual service life can only be determined by the end user by testing under all extreme conditions and other analysis.

Hose that is chemically compatible with a particular fluid must be assembled using Fittings and adapters containing likewise compatible seals.

2.6 Permeation: Permeation (that is, seepage through the Hose) will occur from inside the Hose to outside when Hose is used with gases, liquid and gas fuels, and refrigerants (including but not limited to such materials as helium, diesel fuel, gasoline, natural gas, or LPG). This permeation may result in high concentrations of vapors which are potentially flammable, explosive, or toxic, and in loss of fluid. Dangerous explosions, fires, and other hazards can result when using the wrong Hose for such applications. The system designer must take into account the fact that this permeation will take place and must not use Hose if this permeation could be hazardous. The system designer must take into account all legal, government, insurance, or any other special regulations which govern the use of fuels and refrigerants. Never use a Hose even though the fluid compatibility is acceptable without considering the potential hazardous effects that can result from permeation through the Hose Assembly.

Permeation of moisture from outside the Hose to inside the Hose will also occur in Hose assemblies, regardless of internal pressure. If this moisture permeation would have detrimental effects (particularly, but not limited to refrigeration and air conditioning systems), incorporation of sufficient drying capacity in the system or other appropriate system safeguards should be selected and used.

2.7 Size: Transmission of power by means of pressurized fluid varies with pressure and rate of flow. The size of the components must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.

2.8 Routing: Attention must be given to optimum routing to minimize inherent problems (kinking or flow restriction due to Hose collapse, twisting of the Hose, proximity to hot objects or heat sources).

2.9 Environment: Care must be taken to insure that the Hose and Fittings are either compatible with or protected from the environment (that is, surrounding conditions) to which they are exposed. Environmental conditions including but not limited to ultraviolet radiation, sunlight, heat, ozone, moisture, water, salt water, chemicals, and air pollutants can cause degradation and premature failure.

2.10 Mechanical Loads: External forces can significantly reduce Hose life or cause failure. Mechanical loads which must be considered include excessive flexing, twist, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type Fittings or adapters may be required to insure no twist is put into the Hose. Unusual applications may require special testing prior to Hose selection.

2.11 Physical Damage: Care must be taken to protect Hose from wear, snagging, kinking, bending smaller that minimum bend radius, and cutting, any of which can cause premature Hose failure. Any Hose that has been kinked or bent to a radius smaller than the minimum bend radius, and any Hose that has been cut or is cracked or is otherwise damaged, should be removed and discarded.

2.12 Proper End Fitting: See instructions 3.2 through 3.5. These recommendations may be substantiated by testing to industry standards such as SAE J517 for hydraulic applications, or MIL-A-5070, AS1339, or AS3517 for Hoses from Parker's Stratoflex Products Division for aerospace applications.

2.13 Length: When establishing a proper Hose length, motion absorption, Hose length changes due to pressure, and Hose and machine tolerances and movement must be considered.

2.14 Specifications and Standards: When selecting Hose and Fittings, government, industry, and Parker specifications and recommendations must be reviewed and followed as applicable.

2.15 Hose Cleanliness: Hose components may vary in cleanliness levels. Care must be taken to insure that the Hose Assembly selected has an adequate level of cleanliness for the application.

2.16 Fire Resistant Fluids: Some fire resistant fluids that are to be conveyed by Hose require use of the same type of Hose as used with petroleum base fluids. Some such fluids require a special Hose, while a few fluids will not work with any Hose at all. See instructions 2.5 and 1.5. The wrong Hose may fail after a very short service. In addition, all liquids but pure water may burn fiercely under certain conditions, and even pure water leakage may be hazardous.

2.17 Radiant Heat: Hose can be heated to destruction without contact by such nearby items as hot manifolds or molten metal. The same heat source may then initiate a fire. This can occur despite the presence of cool air around the Hose.

2.18 Welding or Brazing: When using a torch or arc-welder in close proximity to hydraulic lines, the hydraulic lines should be removed or shielded with appropriate fire resistant materials. Flame or weld spatter could burn through the Hose and possibly ignite escaping fluid resulting in a catastrophic failure. Heating of plated parts, including Hose Fittings and adapters, above 450°F (232°C) such as during welding, brazing, or soldering may emit deadly gases.

2.19 Atomic Radiation: Atomic radiation affects all materials used in Hose assemblies. Since the long-term effects may be unknown, do not expose Hose assemblies to atomic radiation.

2.20 Aerospace Applications: The only Hose and Fittings that may be used for in flight aerospace applications are those available from Parker's Stratoflex Products Division. Do not use any other Hose or Fittings for in flight applications. Do not use any Hose or Fittings from Parker's Stratoflex Products Division with any other Hose or Fittings, unless expressly approved in writing by the engineering manager or chief engineer of Stratoflex Products Division and verified by the user's own testing and inspection to aerospace industry standards.

2.21 Unlocking Couplings: Ball locking couplings or other couplings with disconnect sleeves can unintentionally disconnect if they are dragged over obstructions or if the sleeve is bumped or moved enough to cause disconnect. Threaded couplings should be considered where there is a potential for accidental uncoupling.

3.0 HOSE AND FITTING ASSEMBLY AND INSTALLATION INSTRUCTIONS

3.1 Component Inspection: Prior to assembly, a careful examination of the Hose and Fittings must be performed. All components must be checked for correct style, size, catalog number, and length. The Hose must be examined for cleanliness, obstructions, blisters, cover looseness, kinks, cracks, cuts or any other visible defects. Inspect the Fitting and sealing surfaces for burrs, nicks, corrosion or other imperfections. Do NOT use any component that displays any signs of nonconformance.

3.2 Hose and Fitting Assembly: Do not assemble a Parker Fitting on a Parker Hose that is not specifically listed by Parker for that Fitting, unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division. Do not assemble a Parker Fitting on another manufacturers Hose or a Parker Hose on another manufacturers Fitting unless (i) the engineering manager or chief engineer of the appropriate Parker division approves the Assembly in writing or that combination is expressly approved in the appropriate Parker literature for the specific Parker product, and (ii) the user verifies the Assembly and the application through analysis and testing. For Parker Hose that does not specify a Parker Fitting, the user is solely responsible for the selection of the proper Fitting and Hose Assembly procedures. See instruction 1.4.

The Parker published instructions must be followed for assembling the Fittings on the Hose. These instructions are provided in the Parker Fitting catalog for the specific Parker Fitting being used, or by calling 1-800-CPARKER, or at www.parker.com.

3.3 Related Accessories: Do not crimp or swage any Parker Hose or Fitting with anything but the listed swage or crimp machine and dies in accordance with Parker published instructions. Do not crimp or swage another manufacturers Fitting with a Parker crimp or swage die unless authorized in writing by the engineering manager of chief engineer of the appropriate Parker division.

3.4 Parts: Do not use any Parker Fitting part (including but not limited to socket, shell, nipple, or insert) except with the correct Parker mating parts, in accordance with Parker published instructions, unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division.

3.5 Reusable/Permanent: Do not reuse any field attachable (reusable) Hose Fitting that has blown or pulled off a Hose. Do not reuse a Parker permanent Hose Fitting (crimped or swaged) or any part thereof. Complete Hose Assemblies may only be reused after proper inspection under section 4.0. Do not assemble Fittings to any previously used hydraulic Hose that was in service, for use in a fluid power application.

3.6 Pre-Installation Inspection: Prior to installation, a careful examination of the Hose Assembly must be performed. Inspect the Hose Assembly for any damage or defects. Do NOT use any Hose Assembly that displays any signs of nonconformance.

3.7 Minimum Bend Radius: Installation of a Hose at less than the minimum listed bend radius may significantly reduce the Hose life. Particular attention must be given to preclude sharp bending at the Hose to Fitting juncture. Any bending during installation at less than the minimum bend radius must be avoided. If any Hose is kinked during installation, the Hose must be discarded.

3.8 Twist Angle and Orientation: Hose Assembly installation must be such that relative motion of machine components does not produce twisting.

3.9 Securement: In many applications, it may be necessary to restrain, protect, or guide the Hose to protect it from damage by unnecessary flexing, pressure surges, and contact with other mechanical components. Care must be taken to insure such restraints do not introduce additional stress or wear points.

3.10 Proper Connection of Ports: Proper physical installation of the Hose Assembly requires a correctly installed port connection insuring that no twist or torque is transferred to the Hose when the Fittings are being tightened or otherwise during use.

3.11 External Damage: Proper installation is not complete without insuring that tensile loads, side loads, kinking, flattening, potential abrasion, thread damage, or damage to sealing surfaces are corrected or eliminated. See instruction 2.10.

3.12 System Checkout: All air entrapment must be eliminated and the system pressurized to the maximum system pressure (at or below the Hose maximum working pressure) and checked for proper function and freedom from leaks. Personnel must stay out of potential hazardous areas while testing and using.

3.13 Routing: The Hose Assembly should be routed in such a manner so if a failure does occur, the escaping media will not cause personal injury or property damage. In addition, if fluid media comes in contact with hot surfaces, open flame, or sparks, a fire or explosion may occur. See section 2.4.

4.0 HOSE AND FITTING MAINTENANCE AND REPLACEMENT INSTRUCTIONS

4.1 Even with proper selection and installation, Hose life may be significantly reduced without a continuing maintenance program. The severity of the application, risk potential from a possible Hose failure, and experience with any Hose failures in the application or in similar applications should determine the frequency of the inspection and the replacement for the Products so that Products are replaced before any failure occurs. A maintenance program must be established and followed by the user and, at minimum, must include instructions 4.2 through 4.7.

4.2 Visual Inspection Hose/Fitting: Any of the following conditions require immediate shut down and replacement of the Hose Assembly:

- Fitting slippage on Hose,
- Damaged, cracked, cut or abraded cover (any reinforcement exposed);
- Hard, stiff, heat cracked, or charred Hose;
- Cracked, damaged, or badly corroded Fittings;
- Leaks at Fitting or in Hose;
- Kinked, crushed, flattened or twisted Hose; and
- Blistered, soft, degraded, or loose cover.

4.3 Visual Inspection All Other: The following items must be tightened, repaired, corrected or replaced as required:

- Leaking port conditions;
- Excess dirt buildup;
- Worn clamps, guards or shields; and
- System fluid level, fluid type, and any air entrapment.

4.4 Functional Test: Operate the system at maximum operating pressure and check for possible malfunctions and leaks. Personnel must avoid potential hazardous areas while testing and using the system. See section 2.2.

4.5 Replacement Intervals: Hose assemblies and elastomeric seals used on Hose Fittings and adapters will eventually age, harden, wear and deteriorate under thermal cycling and compression set. Hose Assemblies and elastomeric seals should be inspected and replaced at specific replacement intervals, based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage, or injury risk. See section 1.2.

4.6 Hose Inspection and Failure: Hydraulic power is accomplished by utilizing high-pressure fluids to transfer energy and do work. Hoses, Fittings, and Hose Assemblies all contribute to this by transmitting fluids at high pressures. Fluids under pressure can be dangerous and potentially lethal and, therefore, extreme caution must be exercised when working with fluids under pressure and handling the Hoses transporting the fluids. From time to time, Hose Assemblies will fail if they are not replaced at proper time intervals. Usually these failures are the result of some form of misapplication, abuse, wear, or failure to perform proper maintenance. When Hoses fail, generally the high-pressure fluids inside escape in a stream which may or may not be visible to the user. Under no circumstances should the user attempt to locate the leak by "feeling" with their hands or any other part of their body. High-pressure fluids can and will penetrate the skin and cause severe tissue damage and possibly loss of limb. Even seemingly minor hydraulic fluid injection injuries must be treated immediately by a physician with knowledge of the tissue damaging properties of hydraulic fluid.

If a Hose failure occurs, immediately shut down the equipment and leave the area until pressure has been completely released from the Hose Assembly. Simply shutting down the hydraulic pump may or may not eliminate the pressure in the Hose Assembly. Many times check valves, etc., are employed in a system and can cause pressure to remain in a Hose Assembly even when pumps or equipment are not operating. Tiny holes in the Hose, commonly known as pinholes, can eject small, dangerously powerful but hard to see streams of hydraulic fluid. It may take several minutes or even hours for the pressure to be relieved so that the Hose Assembly may be examined safely.

Once the pressure has been reduced to zero, the Hose Assembly may be taken off the equipment and examined. It must always be replaced if a failure has occurred. Never attempt to patch or repair a Hose Assembly that has failed. Consult the nearest Parker distributor or the appropriate Parker division for Hose Assembly replacement information.

Never touch or examine a failed Hose Assembly unless it is obvious that the Hose no longer contains fluid under pressure. The high-pressure fluid is extremely dangerous and can cause serious and potentially fatal injury.

4.7 Elastomeric seals: Elastomeric seals will eventually age, harden, wear and deteriorate under thermal cycling and compression set. Elastomeric seals should be inspected and replaced.

4.8 Refrigerant gases: Special care should be taken when working with refrigeration systems. Sudden escape of refrigerant gases can cause blindness if the escaping gases contact the eye and can cause freezing or other severe injuries if it contacts any other portion of the body.

4.9 Compressed natural gas (CNG): Parker CNG Hose Assemblies should be tested after installation and before use, and at least on a monthly basis per AGA 1-93 Section 4.2 "Visual Inspection Hose/Fitting". The recommended procedure is to pressurize the Hose and check for leaks and to visually inspect the Hose for damage.

Caution: Matches, candles, open flame or other sources of ignition shall not be used for Hose inspection. Leak check solutions should be rinsed off after use.

Safety

General: Safety in the application and use of industrial hose is a major concern because of the many potentially dangerous products conveyed, and because so many people are involved. Handling these products can be accomplished safely if a few simple precautions are strictly observed. Some of the most important of these are:

- All operators must be thoroughly trained.
- The correct hose must be selected to handle the application.
- The couplings must be correct for the application and also must be securely attached.
- Both hose and couplings should be well maintained and inspected regularly (pages 157 through 159).

Critical Items: While many industrial hose applications are potentially dangerous, a few are of particular concern because their danger is not always so obvious or generally understood. This is particularly true for non-industrial applications where there is greater potential for operation by untrained personnel. A discussion of some of the more common of these follows. (ordering information for RMA publications is on page 159).

Aircraft Refueling Hose: The critical nature of flexible rubber hose used to refuel aircraft is obvious. The first safety requirement is to select only hose that meets NFPA 407, API 1529 and BS3158 specifications including 100% pressure testing and cleaning of the completed hose assemblies. Care should be taken that the hose is not kinked, dragged, run over by vehicles or otherwise abused. Frequent inspections for cover cuts, gouges, braid exposure, coupling movement or leakage should be regularly scheduled. Hydrostatic pressure testing at twice the normal working pressure should also be performed on a regular basis. Any leakage or damage to the hose reinforcement is cause for immediate replacement. DO NOT USE GASOLINE PUMP HOSE FOR REFUELING OF AIRCRAFT.

Gasoline Pump Hose: The proliferation of self-service gasoline stations has created a situation where millions of consumers are daily operators of gasoline pumps. This has greatly increased the concern of station operators and suppliers for equipment safety. Gasoline pump hoses in particular are subject to frequent abuse by daily wear and accidents. Hose selection must include consideration of the amount of use and abuse it must withstand during its service life. Only the highest quality, thoroughly tested, UL listed hose must be selected for that service. The proper hose plus constant inspection is the best protection against user accidents. DO NOT USE GASOLINE PUMP HOSE FOR FUELING OF AIRCRAFT.

LP Gas Hose: This discussion again emphasizes the importance of hose selection. LP Gas has volatile characteristics that require special hose construction. The rubber compounds must be designed to handle LP Gas, and the cover must be perforated to prevent gas build-up among the various layers of the hose. Use of the wrong hose may lead to early and sudden failure. In particular, anhydrous ammonia hose is not recommended for LP Gas service. This is important to emphasize because both types of hose are often used in the same area and care must be taken they do not become accidentally switched. DO NOT USE LP GAS HOSE FOR ANHYDROUS AMMONIA. Couplings are also a concern in this service; permanent crimp steel couplings are recommended, as well as high pressure steel inserts attached with interlocking, bolt-on clamps. Couplings with male swivel end styles are not recommended. DO NOT USE WITH SCREW-TOGETHER REATTACHABLE COUPLINGS. Parker/Dayco LP Gas Hose is listed in the Petroleum section of this catalog. (Refer to RMA Publication IP-10 "Liquid Petroleum Gas, Specifications for").

WARNING ⚠ For LP Gas use ONLY. Do not use for anhydrous ammonia. Do not use with male swivel couplings. Do not use with screw-together reattachable couplings.

Anhydrous Ammonia (NH_3) Hose: Contact with Anhydrous Ammonia will burn skin, and is especially damaging to the eyes and lungs. This is true for its liquid and gaseous (vapor) state. Many accidents involving NH_3 have occurred by using the wrong hose. NH_3 hose must be specially compounded and constructed to handle the material, and other hoses may fail very quickly and suddenly. It is, therefore, especially important to make sure that only Anhydrous Ammonia hose is recommended and used for this service. In particular, LP Gas hose is not recommended for anhydrous ammonia service. This is important to emphasize because both types of hose are often used in the same area and care must be taken they do not become accidentally switched. DO NOT USE ANHYDROUS AMMONIA HOSE FOR LP GAS OR REFRIGERATION SERVICE. Couplings are also a concern in this application; permanent steel crimp couplings are recommended. Couplings with male swivel end styles are not recommended. Parker/Dayco Anhydrous Ammonia hose is listed in the Acid & Chemical section of this catalog. (Refer to RMA Publications IP-14 "Anhydrous Ammonia Hose, specifications for" and IP-11-2 "Anhydrous Ammonia Hose, Manual for Maintenance, Testing and Inspection").

WARNING ⚠ For anhydrous ammonia use ONLY. Do not use in LPG or refrigeration applications. Do not use with male swivel couplings. Do not use with screw-together reattachable couplings.

Natural Gas: The molecules of natural gas are small, enhancing its ability to permeate through standard rubber or PVC hose constructions. The permeation process is more rapid as the working pressure increases, and natural gas accumulates with potentially dangerous consequences. Use pipe, non-permeable tubing or hose with barrier constructions to convey natural gas. Series 7132/7232 L.P. Gas Hose can be used for natural gas service, but only under the following conditions:

- Maximum working pressure of the application not to exceed 50 PSI.
- The application must be in an outside or open environment.
- Applications that are in an enclosed environment or greater than 50 PSI working pressure are not recommended.
- Do not use LPG hose for fuel hose in vehicles using CNG (Compressed Natural Gas).
- In Natural Gas applications, copper, brass, or other copper-containing fittings should be in accordance to the AGA rating of the particular apparatus.
- The hose used with Natural Gas should be subjected to the same rigorous tests and inspection as if it were being used with LPG.

Contact Parker/Dayco for specific hose recommendations.

Welding Hose: Due to the extreme volatility of gases and the rough environment of many welding applications, selection of an appropriate welding hose is critical. The hose must be compatible with the fuel gas used to avoid hose degradation and eventual failure. SPECIFICALLY, USE GRADE R & RM WITH ACETYLENE FUEL GAS ONLY. Grade T can be used with most fuel gases, including propane. Care should be taken to avoid gouging, dragging, abrading or otherwise damaging the hose cover, which may also lead to premature hose failure. Do not attempt to repair or re-couple hose assemblies; replace all assemblies which show signs of age or abuse. (Refer to RMA Publications IP-7, Rubber Welding Hose, specifications for"; IP-11-5, "Welding Hose, Precautions for the Selection and Use of"; Compressed Gas Association publication CGA E-1, "Welding and Cutting Equipment, Standard Connections for Regulator Outlets, Torches, and Fitted Hose"; Parker/Dayco publication 103973, "Welding Hose, Applications".

WARNING ⚠ Grade R & RM for use with acetylene gas ONLY. Do not use with any other fuel gases. Grade T for use with most fuel gases, including propane. Bleed hoses when not in use for 30 minutes or longer. Couple with one inch ferrules only.

Steam Hose: The potential danger from steam in industrial hose applications is due to the great heat and pressures involved. Water changes to steam at higher temperatures when under pressure. The greater the pressure the higher the temperature required. If the steam escapes, tremendous quantities of heat are released. This, combined with high pressure, provides the potential danger to operators. **Use only hose specifically recommended for steam service.** (Refer to RMA publication IP-11-1 "Steam Hose, Guide for Maintenance, Testing and Inspection).

WARNING ⚠ Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher temperature required to achieve, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Use only steam hoses designed for the application.

Other Publications

Listed below are the titles of other publications issued by the General Products Group, of the RMA. Information concerning the latest edition, prices, etc., may be obtained on written request to:

RMA – General Products Group
The Mail Room
P.O. Box 3147
Medina, Ohio 44258
1-800-325-5095 or 216-723-2978
Fax: 216-725-0578

Publication: No.	**Title**
IP-7	Rubber Welding Hose, Specifications for
IP-8	Rubber Hose for Oil Suction and Discharge, Specifications for
IP-14	Anhydrous Ammonia Hose, Specifications for
IP-11	HOSE TECHNICAL INFORMATION BULLETINS
IP-11-1	Steam Hose; Guide for Maintenance, Testing and Inspection
IP-11-2	Anhydrous Ammonia Hose; Manual for Maintenance, Testing and Inspection
IP-11-4	Oil Suction and Discharge Hose; Manual for Maintenance, Testing and Inspection
IP-11-5	Welding Hose: Precautions for the Selection and Use of
IP-11-7	Chemical Hose; Manual for Maintenance, Testing and Inspection
IP-11-8	Fuel Dispensing Hose; Manual for Maintenance, Testing and Inspection

Basic Parker/Dayco Hose Constructions

Construction Elements

A hose is generally composed of three elements, each with an important role in the overall performance of that hose. The three elements are:

The Tube (usually rubber) must be compatible with and able to contain the material being conveyed. As shown on page 180, many rubber compounds are used for tube construction, depending upon the material the hose is designed to transmit.

The Reinforcement is the strength member of the hose. It enables the hose to withstand internal and external pressure and abuse. The reinforcement may be applied by several methods, and consists of cotton yarns, synthetic yarns, wire or a combination of these. If a suction or vacuum capability is a requirement, a helix wire may be part of the reinforcement.

The Hose Cover protects the reinforcement from abuse or damage. The cover is usually a rubber compound selected for its resistance to the environment, although, in some cases (fire hose) the reinforcement will also act as the cover. Typical considerations in selecting a cover stock are the need to resist abrasion, ozone, weather and sunlight, chemical or oil spillage, etc.

Construction Methods

Several methods are used to manufacture Parker/Dayco hose. Factors such as size, pressure requirements, cost range required and the application determine the selection of any particular hose style. Following is a description of the various construction methods employed by Parker/Dayco.

Non-Mandrel

Non-mandrel hose is constructed by passing long lengths of extruded tube material through a machine which adds the reinforcement in braided, spiraled or knitted layers. In this method, the hose is not built on a mandrel, therefore lengths are not restricted to the length of the mandrels.

Size Range: 3/16 in. through 1-1/2 in. ID

Typical Uses: Air, Water or general purpose service where operating conditions are not severe.

Advantages: Economy and long lengths.

Disadvantages: Requires wider ID and OD tolerance range than mandrel made hose, limited pressure capabilities.

Rigid Mandrel – Braided

Hose produced by this method is supported on a rigid metal mandrel and is handled horizontally during production. While a rigid mandrel limits the hose length, it ensures good control of the inside diameter. It also offers sufficient support to the tube that either wire or textile reinforcement may be applied at high tensions, which is necessary in high pressure constructions. After the cover is applied, the hose may be wrapped tightly with nylon tape for curing, giving the familiar "wrapped" appearance to the cover.

Size Range: 1/2 in. through 4 in. ID

Typical Uses: Heavy Duty air, steam, and petroleum transfer.

Advantages: Close tolerances on inside diameter, high pressure ratings, good length stability.

Disadvantages: Higher cost than non-mandrel. Lengths restricted to length of mandrels.

Flexible Mandrel

The flexible mandrel method combines the long length advantage of non-mandrel hose with the close inside diameter tolerances and high pressure ratings of rigid mandrel hose. This is achieved by building the hose on a long length mandrel made of flexible plastic or rubber.

Size Range: 1/4 in. through 1 in. ID

Typical Uses: High pressure, air, water, LPG and steam hoses.

Advantages: Long lengths, close tolerances on I.D., higher pressure ratings than non-mandrel produced hose.

Disadvantages: Higher cost than non-mandrel hose, not available in ID sizes as large as rigid mandrel hose.

Basic Parker/Dayco Hose Constructions

Wrapped Ply–Machine Built

The wrapped ply construction is the oldest method of making hose. After a tube is in place on the mandrel, layers or plies of bias cut fabric are wrapped around the tube. The plies are applied by a building machine which is unable to insert a helix wire. The cover is applied and the hose wrapped in nylon tape for curing.

Size Range: 3/16 in. through 4 in. ID

Typical Uses: Water discharge, sand blast, conduit.

Advantages: Good control of inside diameter tolerances, many special constructions available without large minimum production runs.

Disadvantages: Wire cannot be used in a machine built version of wrapped ply hose; plied hoses are not capable of the high pressure ratings of braided hose.

Wrapped Ply–Hand Built

Wrapped ply hose may be hand built when the diameter is too large for the building machine, where helix wires are required, or where special build-in ends are desired. The plies are laid on by hand rather than by machine, and this allows for the hand-forming of built-in ends.

Size Range: 1/2 in. through 30 in. ID

Typical Uses: Oil suction and discharge, sand suction, acid suction and discharge.

Advantages: Special ends can be built into the hose, wide size range, special constructions available in small quantities.

Disadvantages: Relatively expensive due to high labor content.

Spiral Ply

This method involves applying all hose components (tube, reinforcement and cover) in spiral strips on a rigid mandrel. The layers are applied in a process capable of producing a wide range of ID's with helix wire and built-in ends.

Size Range: 1/2 in. through 30 in.

Typical Uses: Suction and discharge service including oils, acids and other fluids, dry materials and air.

Advantages: Special ends, helix wire, wide size range, I.D. tolerances, flexibility, cost.

Disadvantages: Higher cost than non-mandrel. Lengths restricted to lengths of mandrels.

Temperature Conversion

Look up reading in middle column (shaded). If in degrees Centigrade, read Fahrenheit equivalent in right-hand column; if in Fahrenheit degrees, read Centigrade equivalent in left-hand column.

°F=(°C X 1.8) + 32 °C=(°F - 32) X .556

C	F C	F
-53.9	-65	-85.0
-51.1	-60	-76.0
-48.3	-55	-67.0
-45.6	-50	-58.0
-42.8	-45	-49.0
-40.0	-40	-40.0
-37.2	-35	-31.0
-34.4	-30	-22.0
-31.7	-25	-13.0
-28.9	-20	-4.0
-26.1	-15	5.0
-23.3	-10	14.0
-20.6	-5	23.0
-17.8	0	32.0
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2

C	F C	F
-1.1	30	86.0
-0.6	31	87.8
0.0	32	89.6
0.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
7.2	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122.0
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6

C	F C	F
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0
27.2	81	177.8
27.8	82	179.6
28.3	83	181.4
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43.3	110	230.0
48.9	120	248.0
54.4	130	266.0
60.0	140	284.0
65.6	150	302.0
71.1	160	320.0
76.7	170	338.0
82.2	180	356.0
87.8	190	374.0
93.3	200	392.0
98.9	210	410.0
104.4	220	428.0
110.0	230	446.0
115.6	240	464.0
121.1	250	482.0

Flexibility and Bend Radius

(REPRINTED FROM RMA HOSE HANDBOOK IP-2 SIXTH EDITION 1996)
Flexibility and minimum bend radius are important factors in hose design and selection if it is known that the hose will be subjected to sharp curvatures in normal use. When bent at an angle too sharp, hose may kink or flatten in the cross-section. The reinforcement may also be unduly stressed or distorted and the hose life shortened.

Adequate flexibility means the hose should be able to conform to the smallest anticipated bend radius without overstress. The minimum bend radius is generally specified for each hose in this catalog. This is the radius to which the hose can be bent in service without damage or appreciably shortening its life. The radius is measured to the inside of the curvature.

Formula to determine minimum hose length given hose bend radius and degree of bend required:

$$\frac{A}{360^{\circ}} \times 2 \prod B = L$$

where:

A = Angle of bend
B = Given bend radius of hose
L = Minimum length of hose to make bend (Bend must be made equally along this portion of hose length).
$\prod$= (Pi) 3.14

Example: To make a 60º bend at a hoses' rated minimum bend radius of 6.25". . .

$$\frac{60}{360} \times 2 \times 3.14 \times 6.25 = 6.54"$$

Thus, the bend must be made over approximately 6-1/2 inches of hose length. The bend radius used 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 damage and early failure.

Oil and Gasoline Resistance

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 buyer of gasoline 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 time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. In this RMA classification, the rubber samples are immersed in IRM 903 oil at 100ºC for 70 hours. (See ASTM Method D-471 for a detailed description of the oil and the testing procedure.) As a guide to user of hose in contact with oil, the oil resistance classes and a corresponding description are listed.

Physical Properties After Exposure to Oil

	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%

Fractional/Decimal/Millimeter

Fractional Inch 1/64	1/32	1/16	1/8	Decimal Part of an Inch	Millimeters
1				0.016	0.40
2	1			0.031	0.79
3				0.047	1.19
4	2	1		0.063	1.59
5				0.078	1.98
6	3			0.094	2.38
7				0.109	2.78
8	4	2	1	0.125	3.18
9				0.141	3.57
10	5			0.156	4.0
11				0.172	4.4
12	6	3		0.188	4.8
13				0.203	5.2
14	7			0.219	5.6
15				0.234	6.0
16	8	4	2	0.250	6.4
17				0.266	6.7
18	9			0.281	7.1
19				0.297	7.5
20	10	5		0.313	7.9
21				0.328	8.3
22	11			0.344	8.7
23				0.359	9.1
24	12	6	3	0.375	9.5
25				0.391	9.9
26	13			0.406	10.3
27				0.422	10.7
28	14	7		0.438	11.1
29				0.453	11.5
30	15			0.469	11.9
31				0.484	12.3
32	16	8	4	0.500	12.7

1 inch = 25.40 Millimeters

Fractional Inch 1/64	1/32	1/16	1/8	Decimal Part of an Inch	Millimeters
33				0.516	13.1
34	17			0.513	13.5
35				0.547	13.9
36	18	9		0.563	14.3
37				0.578	14.7
38	19			0.594	15.1
39				0.609	15.5
40	20	10	5	0.625	15.9
41				0.641	16.3
42	21			0.656	16.7
43				0.672	17.1
44	22	11		0.688	17.5
45				0.703	17.9
46	23			0.719	18.3
47				0.734	18.7
48	24	12	6	0.750	19.1
49				0.766	19.5
50	25			0.781	19.8
51				0.797	20.2
52	26	13		0.813	20.6
53				0.828	21.0
54	27			0.844	21.4
55				0.859	21.8
56	28	14	7	0.875	22.2
57				0.891	22.6
58	29			0.906	23.0
59				0.922	23.4
60	30	15		0.938	23.8
61				0.953	24.2
62	31			0.969	24.6
63				0.984	25.0
64	32	16	8	1.000	25.4

1 Millimeter = 0.03937 Inches

LINEAR MEASUREMENT UNITS
MILLIMETER, METER AND KILOMETER EQUIVALENTS OF INCHES, FEET AND MILES

Feet	Inches	Millimeters	Meters
1/12	1	25.4	0.0254
1	12	304.8	0.3048
2		609.6	0.6096
3	36	914.4	0.9144
3.28	39.36	1000.0	1.0000
4			1.2192
5			1.5240
6			1.8288
7			2.1336
8			2.4384
9			2.7432
10			3.0480

Feet	Miles	Meters	Kilometers
25	–	7.62	–
50	–	15.24	–
75	–	22.86	–
100	–	30.48	–
125	–	38.10	–
150	–	45.72	–
300	–	91.44	–
500	–	152.40	0.15240
1000	–	304.80	0.30480
3280.84	0.6214	1000.00	1.00000
5280	1.000	1609.35	1.60935

1 Foot = 304.80 Millimeters 1 Mile = 1609.35 Meters 1 Meter = 3.28084 Feet 1 Kilometer = 0.62137 Miles

Measures of Pressure

1 pound per square inch = 144 pounds per square foot = 0.068 atmosphere = 2.042 inches of mercury at 62˚ F = 27.7 inches of water at 62˚ F = 2.31 feet of water at 62˚

1 atmosphere = 30 inches of mercury at 62˚ F = 14.7 pounds per square inch = 2116.3 pounds per square foot = 33.95 feet of water at 62˚ F.

1 foot of water at 62˚ F = 62.355 pounds per square foot = 0.433 pounds per square inch.

1 inch of mercury at 62˚ F = 1.132 feet of water = 13.58 inches of water = 0.491 pound per square inch.

Column of water 12 inches high, 1 inch diameter = .341 pound.

Metric Pressure Conversion Table

PSI	MPa	kgf/cm2	BARS	ATMOS-PHERES	PSI	MPa	kgf/cm2	BARS	ATMOS-PHERES	PSI	MPa	kgf/cm2	BARS	ATMOS PHERES	PSI	MPa	kgf/cm2	BARS	ATMOS-PHERES
25	17	1.76	1.72	1.70	**2500**	17.24	175.77	172.50	170.00	**5200**	35.85	365.60	358.80	353.60	**7900**	54.47	555.42	545.10	537.20
50	.34	3.52	3.45	3.40	**2600**	17.93	182.80	179.40	176.80	**5300**	36.54	372.63	365.70	340.40	**8000**	55.16	562.46	552.00	544.00
75	.52	5.27	5.18	5.10	**2700**	18.62	189.83	186.30	183.60	**5400**	37.23	379.66	372.60	367.20	**8100**	55.85	569.49	558.90	550.80
100	.69	7.03	6.90	6.80	**2800**	19.30	196.86	193.20	190.40	**5500**	37.92	386.69	379.50	374.00	**8200**	56.54	576.52	565.80	557.60
200	1.38	14.06	13.80	13.60	**2900**	19.99	203.89	200.10	197.20	**5600**	38.61	393.72	386.40	380.80	**8300**	57.23	583.55	572.70	564.40
300	2.07	21.09	20.70	20.40	**3000**	20.68	210.92	207.00	204.00	**5700**	39.30	400.75	393.30	387.60	**8400**	57.92	590.58	579.60	571.20
400	2.76	28.12	27.60	27.20	**3100**	21.37	217.95	213.90	210.80	**5800**	39.99	407.78	400.20	394.40	**8500**	58.61	597.61	586.50	578.00
500	3.45	35.15	34.50	34.00	**3200**	22.06	224.98	220.80	217.60	**5900**	40.68	414.81	407.10	401.20	**8600**	59.30	604.64	593.40	584.80
600	4.14	42.18	41.40	40.80	**3300**	22.75	232.01	227.70	224.40	**6000**	41.37	421.84	414.00	408.00	**8700**	59.98	611.67	600.30	591.60
700	4.83	49.21	48.30	47.60	**3400**	23.44	239.04	234.60	231.20	**6100**	42.06	428.87	420.90	414.80	**8800**	60.67	618.70	607.20	598.40
800	5.52	56.24	55.20	54.40	**3500**	24.13	246.07	241.50	238.00	**6200**	42.75	435.90	427.80	421.60	**8900**	61.36	625.73	614.10	605.20
900	6.20	63.218	62.10	61.20	**3600**	24.82	253.10	248.40	244.80	**6300**	43.44	442.93	434.70	428.40	**9000**	62.05	632.76	621.00	612.00
1000	6.90	70.31	69.00	68.00	**3700**	25.51	260.14	255.30	251.60	**6400**	44.13	449.96	441.60	435.20	**9100**	62.74	639.79	627.90	618.80
1100	7.58	77.34	75.90	74.80	**3800**	26.20	267.17	262.20	258.40	**6500**	44.82	457.00	448.50	442.00	**9200**	63.43	646.82	634.80	625.60
1200	8.27	84.37	82.80	81.60	**3900**	25.89	274.20	269.10	265.20	**6600**	45.51	464.03	455.40	448.80	**9300**	64.12	653.86	641.70	632.40
1300	8.96	91.40	89.70	88.40	**4000**	27.58	281.23	276.00	272.00	**6700**	46.20	471.06	462.30	455.60	**9400**	64.81	660.89	648.60	639.20
1400	9.65	98.43	96.60	95.20	**4100**	28.27	288.26	282.90	278.80	**6800**	46.88	478.09	469.20	462.40	**9500**	65.50	667.92	655.50	646.00
1500	10.34	105.46	103.50	102.00	**4200**	28.96	295.29	289.80	285.60	**6900**	47.57	485.12	476.10	469.20	**9700**	66.88	681.98	669.30	659.60
1600	11.03	112.49	110.40	108.80	**4300**	29.65	302.32	296.70	292.40	**7000**	48.26	492.15	483.00	476.00	**9700**	66.88	681.98	669.30	659.60
1700	11.72	119.52	117.30	115.60	**4400**	30.34	309.35	303.60	299.20	**7100**	48.95	499.18	489.90	482.80	**9800**	67.57	689.01	676.20	666.40
1800	12.41	126.55	124.20	122.40	**4500**	31.03	316.38	310.50	306.00	**7200**	49.64	506.21	496.80	489.60	**9900**	68.26	696.04	683.10	673.20
1900	13.10	133.58	131.10	129.20	**4600**	31.72	323.41	317.40	312.80	**7300**	50.33	513.24	503.70	496.40	**10000**	68.95	703.07	690.00	680.00
2000	13.79	140.61	138.00	136.00	**4700**	32.41	330.44	324.30	319.60	**7400**	51.02	420.27	510.60	503.20	**11000**	75.84	773.38	759.00	748.00
2100	14.48	147.64	144.90	142.80	**4800**	33.10	337.47	331.20	326.40	**7500**	51.71	527.30	517.50	510.00	**12000**	82.74	843.68	828.00	816.00
2200	15.17	154.68	151.80	149.60	**4900**	33.78	344.50	338.10	333.20	**7600**	52.40	534.33	524.40	516.80	**13000**	89.63	913.99	897.00	884.00
2300	15.86	161.71	158.70	156.40	**5000**	34.47	351.54	345.00	340.00	**7700**	53.09	541.36	531.30	523.60	**14000**	96.53	984.30	966.00	952.00
2400	16.55	168.74	165.60	163.20	**5100**	35.16	358.57	351.90	346.80	**7800**	53.78	548.39	538.20	530.40	**15000**	103.42	1054.60	1035.00	1020.00

PSI X .0068948 = megapascals (MPa) = meganewton/meter2
PSI X .070307 = kilogram-force per square centimeter
PSI X .0690 = Bars
PSI X .0680 = Atmospheres

1MPa = 10 Bars
1Bar = 14.5 PSI
1 kgf/cm^2 = 14.22 PSI
1 PSI = .00689 MPa

Vacuum Conversion Table

ATM	PSI	water meter	feet	mm	mercury inches	%
0.1	1.4	1	3' 3-3/8"	73.6	2.9	10
0.2	2.8	2	6' 6-3/4"	147.1	5.8	20
0.3	4.2	3	9' 10-1/8"	220.7	8.7	30
0.4	5.7	4	13' 1-1/2"	294.2	11.6	40
0.5	7.1	5	16' 4-13/16"	367.8	14.5	50
0.6	8.5	6	19' 8-3/16"	441.3	17.4	60
0.7	10.0	7	22' 11-9/16"	514.9	20.3	70
0.8	11.4	8	26' 2-15/16"	588.4	23.2	80
0.9	12.8	9	29' 6-3/8"	662.0	26.0	90
1.0	14.2	10	32' 9-11/16"	735.5	29.0	100

Pressure Conversion

Feet of water to inches of mercury

Feet of Water	In. hg.	Feet of Water	In. hg.
1	0.9	18	15.9
2	1.8	20	17.7
4	3.5	22	19.4
6	5.3	24	21.2
8	7.1	26	23.0
10	8.8	28	24.8
12	10.6	30	26.5
14	12.4	32	28.3
16	14.1	34	30.0

Conversion Factors

TO CONVERT	INTO	MULTIPLY BY
Atmospheres	cms of mercury	76.0
atmospheres	ft. of water (at 4ºC)	33.90
atmospheres	in of mercury (at 0º C)	29.92
atmospheres	kgs/sq cm	1.0333
atmospheres	kgs/sq meter	10.332
atmospheres	pound/sq in	14.70
Bar	newtons/sq m	10^5
bar	atmospheres	0.9869
bar	at (tech.)	1.0197
bar	psi	14.504
Barrels–Oil	gals/oil	42
BT Units	kg–calories	0.2520
BTUs	ft–lbs	777.9
BTUs	hp–hrs	3.927×10^{-4}
BTUs	kgs–meters	107.5
BTUs	kw–hrs	2.928×10^{-4}
BTU/Min	ft–lb/sec	12.96
BTU/min	hp	0.02356
BTU/min	kw	0.01757
BTU/min	watts	17.57
Centimeters	inches	0.3937
cm	meters	0.01
cm	mm	10
Cms mercury	atm	0.01316
cms mercury	ft water	0.4461
cms mercury	kgs/sq meter	136.0
cms mercury	lbs/sq ft	27.85
cms mercury	lbs/sq in	0.1934
Cms/second	ft/min	1.969
cms/sec	ft/sec	0.03281
cms/sec	km/hr	0.036
cms/sec	meter/min	0.6
cms/sec	miles/hr	0.02237
cms/sec	miles/min	3.728×10^{-4}
Cms/Sec/Sec	ft/sec/sec	0.03281
Cubic Cms	cu ft	3.531×10^{-5}
cu cms	cu in	6.102×10^{-2}
cu cms	cu meters	10^6
cu cms	cu yds	1.308×10^{-6}
cu cms	gals	2.642×10^{-4}
cu cms	liters	10^{-3}
cu cms	pints (liq)	2.113×10^{-3}
cu cms	quarts (liq)	1.057×10^{-3}

TO CONVERT	INTO	MULTIPLY BY
Cubic Feet	cubic cms	2.832×10^4
cu ft	cu inches	1728
cu ft	cu meters	0.02832
cu ft	cu yds	0.03704
cu ft	gals	7.48052
cu ft	liters	28.32
cu ft	pints (liq)	59.84
cu ft	quarts (liq)	29.92
Cu Ft/min	cu cms/sec	472.0
cu ft/min	gals/sec	0.1247
cu ft/min	liters/sec	0.4720
cu ft/min	lbs water/min	62.43
cu ft/sec	gals/min	448.831
Cu Inches	cc	16.39
cu ins	cu ft	5.787×10^{-4}
cu ins	cu meters	1.639×10^{-5}
cu ins	cu yds	2.143×10^{-5}
cu ins	gals	4.329×10^{-3}
cu ins	liters	1.639×10^{-2}
cu ins	pints (liq)	0.03463
cu ins	quarts (liq)	0.01732
Cu Meters	cc	10^4
cu M	cu ft	35.31
cu M	cu ins	61,023
cu M	cu yds	1.308
cu M	gals	264.2
cu M	liters	10^3
cu M	pints (liq)	2113
cu M	quarts (liq)	1057
Cu Yards	cu cms	7.646×10^5
cu yds	cu ft	27
cu yds	cu ins	46,656
cu yds	cu meters	0.7646
cu yds	gals	202.0
Decimeters	meters	0.1
Degrees (Angle)	minutes	60
degs (angle)	radians	0.01745
degs (angle)	secs	3600

Conversion Factors

TO CONVERT	INTO	MULTIPLY BY
Degrees/Sec	radians/sec	0.01745
degs/sec	revs/min	0.1667
degs/sec	revs/sec	0.002778
Feet	cms	30.48
ft	ins	12
ft	meters	0.3048
ft	yds	1/3
Ft of Water	atms	0.02950
ft of w	ins mercury	0.8826
ft of w	kgs/sq cm	0.03048
ft of w	lbs/sq ft	62.32
ft of w	lbs/sq in	0.4328
Feet/Min	cm/sec	0.5080
ft/min	ft/sec	0.01667
ft/min	kms/hr	0.01829
ft/min	meters/min	0.3048
ft/min	miles/hr	0.01136
Ft/Sec/Sec	cms/sec/sec	30.48
ft/sec/sec	Meters/sec/sec	0.3048
Ft–Pounds	BTUs	1.286×10^{-3}
ft lbs	hp–hrs	5.050×10^{-7}
ft lbs	kg–calories	3.241×10^{-4}
ft lbs	kg–meters	0.1383
ft lbs	kw–hrs	3.766×10^{-7}
Ft–lbs/Min	BTUs/min	7.717×10^{-2}
ft-lbs/min	ft-lbs/sec	0.01667
ft lbs/min	hp	3.030×10^{-5}
ft-lbs/min	kg-calories/min	3.241×10^{-3}
ft-lbs/min	kws	2.260×10^{-5}
Ft–lbs/Sec	BTUs/min	7.717×10^{-2}
ft-lbs/sec	hp	1.818×10^{-3}
ft-lbs/sec	kg-calories/min	1.945×10^{-2}
ft-lbs/sec	kws	1.356×10^{-3}
Gallons	ccs	3785
gals	cu ft	0.1337
gals	cu ins	231
gals	cu meters	3.785×10^{-3}
gals	liters	3.785
gals	pints (liq)	8
gals	quarts (liq)	4
Gallons, Imp	US gals	1.20095
gallons, US	imp gals	0.83267
Gallons/Min	cu ft/sec	2.228×10^{-3}
gal/min	liters/sec	0.06308
gal/min	cu ft/hr	8.0208

TO CONVERT	INTO	MULTIPLY BY
Horse-Power	BTUs/min	42.44
hp	ft–lbs/min	33,000
hp	ft–lbs/sec	550
hp	hp (metric)	1.014
hp	kg–calories/min	10.70
hp	kws	0.7457
hp	watts	745.7
Hp–Hours	BTUs	2547
hp–hrs	ft–lbs	1.98×10^{6}
hp–hrs	kg–calories	641.7
hp–hrs	kg–meters	2.737×10^{5}
hp–hrs	kw–hrs	0.7457
Inches	cms	2.540
Ins Mercury	atms	0.002458
ins mercury	ft water	1.133
ins mercury	kgs/sq cm	0.03453
ins mercury	lbs/sq ft	70.73
ins mercury	lbs/sq in	0.4912
Ins of Water	atms	0.002458
ins of w	ins mercury	0.07355
ins of w	kgs/sq cm	0.002540
ins of w	lbs/sq ft	5.202
ins of w	lbs/sq in	0.03613
Kilograms	dynes	980,665
kgs	lbs	2.205
kgs	tons (short)	1.102×10^{-3}
kgs	grams	1000
Kgs/Sq Cm	atms	0.9678
kgs/sq cm	ft water	32.81
kgs/sq cm	ins mercury	28.96
kgs/sq cm	lbs/sq ft	2048
kgs/sq cm	lbs/sq in	14.22
Kilometers	cms	10^{5}
kms	ft	3281
kms	meters	10^{3}
kms	miles	0.6214
Kms/Hr	cms/sec	27.78
kms/hr	ft/min	54.68
kms/hr	ft/sec	0.9113
kms/hr	meters/min	16.67
kms/hr	miles/hr	0.6214
Kms/Hr/Sec	cms/sec/sec	27.78
kms/hr/sec	ft/sec/sec	0.9113
kms/hr/sec	Meters/sec/sec	0.2778

Conversion Factors

TO CONVERT	INTO	MULTIPLY BY
Kilowatts	BTUs/min	56.92
kws	ft-lbs/min	4.425×10^{4}
kws	ft-lbs/sec	737.6
kws	hp	1.341
kws	kg-calories/min	14.34
kws	watts	10^{3}
Kilowatt-Hrs	BTUs	3415
kw-hrs	ft-lbs	2.655×10^{6}
kw-hrs	hp-hours	1.341
kw-hrs	kg-calories	860.5
kw-hrs	kg-meters	3.671×10^{5}
Liters	ccs	103
liters	cu ft	0.03531
liters	cu ins	61.02
liters	cu meters	10^{-2}
liters	gals	0.2642
liters	quarts (liq)	1.057
Liters/Min	gals/sec	4.403×10^{-3}
Meters	cms	100
meters	ft	3.281
meters	ins	39.37
meters	kms	10^{3}
meters	mms	10^{3}
meters/min	cms/sec	1.667
meters/min	ft/min	3.281
meters/min	ft/sec	0.05468
meters/min	kms/hr	0.06
meters/min	miles/hr	0.03728
Meters/Sec	ft/min	196.8
meters/sec	ft/sec	3.281
meters/sec	kms/hr	3.6
meters/sec	kms/min	0.06
meters/sec	miles/hr	2.237
meters/sec	miles/min	0.03728
Micron	meters	10^{-6}
microns	in	39×10^{-6}
Miles/Hr	cms/sec	44.70
miles/hr	ft/min	88
miles/hr	ft/sec	1.467
miles/hr	kms/hr	1.609
miles/hr	meters/min	26.82
Millimeters	cms	0.1
mms	ins	0.0397
Minutes (Angle)	radians	2.909×10^{-4}

TO CONVERT	INTO	MULTIPLY BY
Newton	kgs	0.1020
Ounces	lbs	1.805
ozs	gram	28.349527
Ounces (Fluid)	cu in	1.805
ozs (fluid)	liters	0.02957
Pounds	ozs	16
lbs	tons (short)	0.005
lbs	newtons (N)	4.44
lbs	gram	453.5924
Lbs of Water	cu ft	0.01605
lbs of water	cu in	27.73
lbs of water	gals	0.1204
Lbs of Water/Min	cu ft/sec	2.679×10^{-4}
Pounds/Cu Ft	lbs/cu in	5.787×10^{-4}
Pounds/Cu In	lbs/cu ft	1728
Pounds/Sq In	atms	0.06804
lbs/sq in	ft water	2.311
lbs/sq in	in mercury	2.036
lbs/sq in	kgs/sq cm	0.07031
Radians	degrees	57.29578
Tons (Long)	kgs	1016
tons (long)	lbs	2240
tons (long)	tons (short)	1.12000
Tons (Short)	kgs	2000
tons (short)	kps	907.18486
tons (short)	tons (long)	0.89287
tons (short)	tons (metric)	0.90718
Watts	BTUs/min	0.05692
watts	ft-lbs/min	44.26
watts	ft-lbs/sec	0.7376
watts	hp	1.341×10^{-3}
watts	kg-calories/min	0.01434
watts	kws	10
Watts/Hours	BTUs	3.415
watts/hrs	ft-lbs	2655
watts/hrs	hp-hrs	1.341×10^{-3}
watts/hrs	kg-calories	0.8605
watts/hrs	kg-meters	367.1
watts/hrs	kw-hrs	10^{-3}

Coupling Thread Compatibility

Industrial hose couplings have threads which are usually one of the various "pipe" threads. All pipe threads are commonly referred to by the generic name of Iron Pipe Thread or IPT. There are several different types of IPT threads and you must know specifically what they are to ensure compatibility with mating threads.

IPT Thread Compatibility Chart

Description	Seal	Thread (Female)	Compatible Threads (Male)
American Standard Tapered Pipe Thread	Thread Seal (with Sealing Compound)	NPT	NPT NPTF
American Standard Tapered Dryseal Pipe Thread	Thread Seal (Dryseal)*	NPTF	NPTF NPT
American Standard Straight Pipe Thread for mechanical joints (includes 2 female types, depending on sealing method, and one male type compatible with both females)	Washer or Mechanical Ground Joint	NPSM	NPSM NPT NPTF
American Standard Straight Pipe Threads for hose couplings and nipples	Washer	NPSH	NPSH NPT NPTF

In addition, there are various other thread types that may be found on industrial hose couplings. These types are generally not compatible with any other thread types:

GHT	Garden Hose Thread	Washer seal
API	American Petroleum Institute Thread	Thread seal
JIC (37˚)	Joint Industry Conference	O-ring or mechanical seal
SAE (45˚)	Society of Automotive Engineers	Mechanical seal
NF	Welding Hose Threads-Left Hand and Right Hand	Mechanical seal
CHT	Chemical Hose Thread (for booster hoses)	Gasket seal

*When NPTF Threads are once used, they require sealing compound for future use.

Dimensions of Seamless and Welded Steel Pipe

ASA—B36.10 and B36.19

Nominal Pipe Size (in.)	Outside Diameter (in.)	10	20	30	Stand-ard	40	60	Extra Strong	80	100	120	140	160	XX Strong
1/8	0.405	–	–	–	0.068	0.068	–	0.095	0.095	–	–	–	–	–
1/4	0.540	–	–	–	0.088	0.088	–	0.119	0.119	–	–	–	–	–
7/8	0.675	–	–	–	0.091	0.091	–	0.126	0.126	–	–	–	–	–
1/2	0.840	–	–	–	0.109	0.109	–	0.147	0.147	–	–	–	0.188	0.294
3/4	1.050	–	–	–	0.113	0.113	–	0.154	0.154	–	–	–	0.219	0.308
1	1.315	–	–	–	0.133	0.133	–	0.179	0.179	–	–	–	0.250	0.358
1-1/4	1.660	–	–	–	0.140	0.140	–	0.191	0.191	–	–	–	0.250	0.382
1-1/2	1.900	–	–	–	0.145	0.145	–	0.200	0.200	–	–	–	0.281	0.400
2	2.375	–	–	–	0.154	0.154	–	0.218	0.218	–	–	–	0.344	0.436
2-1/2	2.875	–	–	–	0.203	0.203	–	0.276	0.276	–	–	–	0.375	0.552
3	3.50	–	–	–	0.216	0.216	–	0.300	0.300	–	–	–	0.438	0.600
3-1/2	4.00	–	–	–	0.226	0.226	–	0.318	0.318	–	–	–	–	–
4	4.50	–	–	–	0.237	0.237	–	0.337	0.337	–	0.438	–	0.531	0.674
5	5.563	–	–	–	0.258	0.258	–	0.375	0.375	–	0.500	–	0.625	0.750
6	6.625	–	–	–	0.280	0.280	–	0.432	0.432	–	0.562	–	0.719	0.864
8	8.625	–	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.873
14 O.D.	14.00	0.250	0.312	0.375	0.375	0.438	0.594	0.500	0.750	0.938	1.094	1.250	1.406	–
16 O.D.	16.00	0.250	0.312	0.375	0.375	0.500	0.656	0.500	0.844	1.031	1.219	1.438	1.594	–
18 O.D.	18.00	0.250	0.312	0.438	0.375	0.562	0.750	0.500	0.938	1.156	1.375	1.562	1.781	–
20 O.D.	20.00	0.250	0.375	0.500	0.375	0.594	0.812	0.500	1.031	1.281	1.500	1.750	1.969	–
22 O.D.	22.00	0.250	0.375	0.500	0.375	–	0.875	0.500	1.125	1.375	1.625	1.875	2.125	–
24 O.D.	24.00	0.250	0.375	0.562	0.375	0.688	0.969	0.500	1.218	1.531	1.812	2.062	2.344	–
26 O.D.	26.00	0.312	0.500	–	0.375	–	–	0.500	–	–	–	–	–	–
28 O.D.	28.00	0.312	0.500	0.625	.0375	–	–	0.500	–	–	–	–	–	–
30 O.D.	30.00	0.312	0.500	0.625	0.375	–	–	0.500	–	–	–	–	–	–
32 O.D.	32.00	0.312	0.500	0.625	0.375	0.688	–	0.500	–	–	–	–	–	–
34 O.D.	34.00	0.312	0.500	0.625	0.375	0.688	–	0.500	–	–	–	–	–	–
36 O.D.	36.00	0.312	0.500	0.625	0.375	0.750	–	0.500	–	–	–	–	–	–
42 O.D.	42.00	–	–	–	0.375	–	–	0.500	–	–	–	–	–	–

Dimensions of 150-Lb. Steel Flanges ASA

Nominal Pipe Size (in.)	Diameter of Bolt Circle (in.)	Number of Bolts	Diameter of Bolts (in.)	Diameter of Bolt Holes (in.)	Flange O.D. (in.)	*Weight (Lbs.)
1	3-1/8	4	1/8	5/8	4-1/2	2
1-1/2	3-7/8	4	1/2	5/8	5	3
2	4-3/4	4	5/8	3/4	6	5
2-1/2	5-1/2	4	5/8	3/4	7	8
3	6	4	5/8	3/4	7-1/2	10
3-1/2	7	8	5/8	3/4	8-1/2	12
4	7-1/2	8	5/8	3/4	9	13
5	8-1/2	8	3/4	7/8	10	15
6	9-1/2	8	3/4	7/8	11	19-1/2
8	11-3/4	8	3/4	7/8	13-1/2	30
10	14-1/4	12	7/8	1	16	41
12	17	12	7/8	1	19	65
14	18-3/4	12	1	1-1/8	21	85
16	21-1/4	16	1	1-1/8	23-1/2	93
18	22-3/4	16	1-1/8	1-1/4	25	120
20	25	20	1-1/8	1-1/4	27-1/2	155
24	29-1/2	20	1-1/4	1-3/8	32	210

*Weights shown for sizes up through 24" are for threaded flanges.

Note: 125-Lb. flange dimensions are same as dimensions of 150-Lb. flanges except thickness and weight.

Dimensions of 150-Lb. Steel Flanges ASA

Nominal Pipe Size (in.)	Diameter of Bolt Circle (in.)	Number of Bolts	Diameter of Bolts (in.)	Diameter of Bolt Holes (in.)	Flange O.D. (in.)	*Weight (Lbs.)
1	3-1/2	4	5/8	3/4	4-7/8	3
1-1/2	4-1/2	4	3/4	7/8	6-1/8	6-1/2
2	5	8	5/8	3/4	6-1/2	7
2-1/2	5-7/8	8	3/4	7/8	7-1/2	10
3	6-5/8	8	3/4	7/8	8-1/4	14
3-1/2	7-1/4	8	3/4	7/8	9	16
4	7-7/8	8	3/4	7/8	10	24
5	9-1/4	8	3/4	7/8	11	31
6	10-5/8	12	3/4	7/8	12-1/2	36
8	13	12	7/8	1	15	56
10	15-1/4	16	1	1-1/8	17-1/2	80
12	17-3/4	16	1-1/8	1-1/4	20-1/2	110
14	20-1/4	20	1-1/8	1-1/4	23	164
16	22-1/2	20	1-1/4	1-3/8	25-1/2	220
18	24-3/4	24	1-1/4	1-3/8	28	280
20	27	24	1-1/4	1-3/8	30-1/2	325
24	32	24	1-1/2	1-5/8	36	490

*Weights shown for sizes up through 24" are for threaded flanges.

Corrosion Resistance of Coupling Materials

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CAUTION: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

KEY: 1 = Excellent
2 = Good
3 = Fair or Conditional
X = Not Satisfactory.

NOTE: No rating indicates no data available.

Chemical or Material Conveyed	Mall. from Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Acetate, Solvents, Crude		3				2	1	1	2
Acetate, Solvents, Pure		1	1	1		1	1	1	1
Acetic Acid	X	X	X	2	1	X	2	2	2
Acetic Acid Vapors	X	X		3		X	2	2	2
Acetic Anhydride	X	X		2		X	2	2	2
Acetone	1	1	1	1	1	1	1	1	1
Acetylene	1	2		1		1	1	1	2
Alcohols	1	2		1		1	1	1	1
Aluminum Sulfate	X	3	3	3	1	X	3	2	2
Alums	X	3	2	3	1	X	3	2	2
Ammonia Gas	1	X	3	1	3	1	1	1	X
Ammonium Chloride	1	3		1*		3	3	1	1
Ammonium Hydroxide	2	X		2		1	1	1	3
Ammonium Nitrate	1	X		2		1	1	1	3
Ammonium Phosphate (Ammoniacal)		X				1	1	1	2
Ammonium Phosphate (Neutral)		3				1	1	1	2
Ammonium Phosphate (Acid)		3				3	2	1	2
Ammonium Sulfate	1	3				2	1	1	2
Asphalt	1	2				2	1	1	1
Beer	2	2	1	1		X	1	1	1
Beet Sugar Liquors	1	2		1		2	1	1	1
Benzene, Benzol	1	1	1	1	1	1	1	1	1
Benzine (petroleum – naphtha)	1	1		1		1	1	1	1
Borax	2	2				1	1	1	1
Boric Acid	X	3		1		3	2	1	1
Butane, Butylene	1	1	1	1		1	1	1	1
Butadiene		1				1	1	1	1
Calcium Bisulfate		X				X	2	1	X
Calcium Hypochlorite	3	3	3	X	3	X	3	2	3
Cane Sugar Liquors	1	2		1		2	1	1	1
Carbon Dioxide (Dry)	1	1		1		1	1	1	1
Carbon Dioxide (Wet & Aqueous Sol)	2	3		2		2	1	1	2
Carbon Disulfide	2	3		2		2	1	1	3
Carbon Tetrachloride	3	1	2	3	1	1	1	1	1
Chlorine (Dry)	2	2	2	1	2	2	2	2	1
Chlorine (Wet)	X	X	3	X	2	X	X	3	3
Chromic Acid		X	X	X	1	3	2	2	3
Citric Acid	X	3		1		3	X	1	2
Coke Oven Gas	1	3		2		1	1	1	2
Copper Sulfate	X	X		X		1	1	1	3
Core Oils		1	1			1	1	1	1
Cottonseed Oil	1	1	1	1		1	1	1	1
Creosote	2	3		1		1	1	1	1
Ethers	2	1		1		1	1	1	1
Ethylene Glycol	2	2				1	1	1	1
Ferric Chloride	X	X	X	X	1	X	X	X	X
Ferric Sulfate	X	X		X		1	1	1	3
Formaldehyde	2	2		2		1	1	1	1
Formic Acid	X	2		X		X	2	1	2
Freon	3	1	1	1		1	1	1	1
Furfural	1	2		1		1	1	1	1
Gasoline (Sour)	3	3		3		3	1	1	X
Gasoline (Refined)	1	1	1	1		1	1	1	1
Gelatin	1	3		1		1	1	1	1
Glucose	1	1		1		1	1	1	1
Glue	1	3		1		1	1	1	1
Glycerine or Glycerol	1	2		1		1	1	1	1
Hydrochloric Acid	X	X	X	X	1	X	X	X	X
Hydrocyanic Acid	3	X		1		3	1	1	2
Hydrofluoric Acid	X	3	3	X	X	X	X	X	1
Hydrogen Fluoride		3				X	X	3	1
Hydrogen	1	1		1		1	1	1	1
Hydrogen Peroxide	X	X		1		1	2	1	2
Hydrogen Sulfide (Dry)	3	3		2		3	2	1	3
Hydrogen Sulfide (Wet)	3	3		2		3	2	1	3
Lacquers and Lacquer Solvents	3	2		1		1	1	1	1

*3 to X at high temperatures

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Chemical or Material Conveyed	Mall. Iron, Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Lactic Acid	X			3			3	2	1
Lime - Sulfur	2	X		2		1	1	2	
Linseed Oil	1	1		1			1	1	1
Magnesium Chloride	3	3		X		3	2	1	1
Magnesium Hydroxide	1	2		X		1	1	1	1
Magnesium Sulfate	2	2		3		1	1	1	1
Mercuric Chloride	3	X		X		X	X	3	X
Mercury	1	X		X		1	1	1	2
Milk	3	3		1		2	1	1	3
Molasses	2	X		2		2	1	1	1
Natural Gas	1	2		1		1	1	1	1
Nickel Chloride		X		X		X	3	2	2
Nickel Sulfate		3		X		3	2	1	1
Nitric Acid	X	X	X	3	1	2	2	2	X
Oleic Acid	2	3		1		2	2	1	1
Oxalic Acid	3	3		2		3	2	1	1
Oxygen	1	1	1	1		1	1	1	1
Palmitic Acid	1	3		1		2	2	1	1
Petroleum Oils (Sour)		3				3	1	1	X
Petroleum Oils (Refined)	1	1	1	1		1	1	1	1
Phosphoric Acid — 25%	3	X		3	3	X	3	1	2
Phosphoric Acid — 25%–50%	X	X		X	3	X	X	2	2
Phosphoric Acid — 50%–85%	X	X		X	X	X	X	2	2
Picric Acid	3	X		3		2	1	1	X
Potassium Chloride	2	3		3		3	2	1	1
Potassium Hydroxide	3	X		X		1	1	1	1
Potassium Sulfate	2	2		1		1	1	1	1
Propane	1	1				1	1	1	1
Rosin (Dark)	1	2			1	1	1	1	1
Rosin (Light)		X		1		1	1	1	2
Shellac		2		2		1	1	1	1
Sludge Acid		X				X	X	3	2
Soda Ash (Sodium Carbonate)	1	2		X		1	1	1	1
Sodium Bicarbonate	3	1		X		1	1	1	1
Sodium Bisulfate	X	3		3		X	1	1	1
Sodium Chloride	2	3	2	X	1	3	2	1	1
Sodium Cyanide	2	X		X		1	1	1	2
Sodium Hydroxide	3	X	3	X	X	2	2	2	1
Sodium Hypochlorite	X	X		X		X	3	2	3
Sodium Metaphosphate	X	3		1		2	1	1	1
Sodium Nitrate	1	3		1		1	1	1	1
Sodium Perborate	3	3		1		1	1	1	1
Sodium Peroxide	3	3		1		1	1	1	1
Sodium Phosphate – Alkaline		3				1	1	1	1
Sodium Phosphate – Neutral		2				1	1	1	1
Sodium Phosphate – Acid		2				X	2	1	1
Sodium Silicate	1	3		X		1	1	1	1
Sodium Sulfate	1	2		3		1	1	1	1
Sodium Sulfide	1	X				1	1	1	2
Sodium Thiosulfate (Hypo)	3	X		X		1	1	1	2
Stearic Acid	3	3		3		2	2	1	1
Sulfate Liquors		X				1	1	1	2
Sulfur	2	X		2		2	2	1	3
Sulfur Chloride	X	X				X	3	2	2
Sulfur Dioxide (Dry)	2	1		1		1	1	1	1
Sulfur Dioxide (Wet)		X				X	2	1	X
Sulfuric Acid — 10%	X	X	3	3		X	X	2	2
Sulfuric Acid — 10% – 75%	X	X	X	X		X	X	X	2
Sulfuric Acid — 75% – 95%	3	X	X	X		3	3	2	3
Sulfuric Acid — 95%	2	X	X			2	2	2	X
Sulfurous Acid	X	X		X		X	3	2	X
Tannic Acid	3	3	1	X			1	1	1
Tar	1	2		1		2	1	1	1
Toluene, Toluol	1	1		1		1	1	1	1
Trichlorethylene	3	1		3		1	1	1	1
Turpentine		3		1		3	1	1	1
Varnish	2	2				1	1	1	1
Vegetable Oils	1	2		1		1	1	1	1
Vinegar	3	3		3		3	2	1	2
Water (Acid Mine Water)	3	X		3		2	1	1	3
Water (Fresh)	3	1		1		1	1	1	1
Water (Salt)	3	3	2	X		3	2	2	1
Whiskey	X	2				3	1	1	2
Wines	X	2				3	1	1	2
Xylene, Xylol	2	1		1		1	1	1	1
Zinc Chloride	X	X		X		3	2	1	1
Zinc Sulfate	3	3		3		3	2	1	1

*3 to X at high temperatures

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Chemical Guide

The Chemical Guides in this section are offered as a general indication of the compatibility of the various materials used in Parker/Dayco hose with the chemicals and fluids listed. The basis for the ratings in this guide include actual service experience, the advice of various polymer suppliers, and the considered opinion of our rubber chemists. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle. Some of the variables that come into play in the resistance of a compound to a chemical attack are:

1. **Temperature of the Material Transmitted:** Higher temperatures increase the effect of chemicals on rubber compounds. The increase varies with the polymer and the chemical. A compound quite suitable at room temperature might fail very quickly at higher temperatures.

2. **Service Conditions:** A rubber compound usually swells when exposed to a chemical. With a given percent of swell, a hose tube may function satisfactorily if the hose is in a static condition, but may fail quickly if the hose is subject to flexing.

3. **The Grade or Blend of the Rubber Compound:** Basic rubber polymers are sometimes mixed or blended together to enhance a particular property for a specific service. As an example, the NBR used as the tube material for Parker/Dayco aircraft refueling hose may vary slightly in its makeup from the NBR used in the tube of Thoro-Flo Multi-Purpose hose. The reaction to a particular chemical may, therefore, be somewhat different.

   When in doubt, a sample of the com pound should always be tested with the particular chemical it is going to handle.

General Chemical Resistance of Parker/Dayco Hose Compounds.

See the following pages for specific applications.

Common Name	ASTM Designation D1418-64	Composition	General Properties	Hose Element
Buna-N or Nitrile	NBR	Nitrile-Butadiene	Excellent oil resistance. Good physical properties.	Tube/Cover
Cross Linked Polyethylene	XPE	Cross Linked Polyethylene	Excellent resistance to most solvents, oils and chemicals. Do not confuse with chemical properties of standard polyethylene.	Tube
EPT or EPDM	EPDM	Ethylene-propylene-diene-terpolymer	Good general purpose polymer. Excellent heat ozone, and weather resistance. Not oil resistant	Tube/Cover
Flourocarbon resin (Teflon)	TFE	Polytetra-flouroethylene	Excellent chemical and solvent resistance, inert to most materials. Smooth anti-adhesive surface – easily cleaned.	Tube
GRS or SBR	SBR	Styrene-Butadiene	Good physical properties, including abrasion resistance. Not oil resistant.	Tube/Cover
Hypalon	CSM	Chloro-sulfonated polyethylene	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance. Can be compounded for good oil resistance.	Tube/Cover
Natural	NR	Isoprene Rubber (Natural)	Excellent physical properties, including abrasion resistance. Not oil resistant.	Tube
Neoprene	CR	Chloroprene	Excellent weathering resistance. Flame retarding. Good oil resistance. Good physical properties.	Tube/Cover
Chlorinated polyethylene	CM	Chloro-polyethylene	Good long term resistance to UV and weathering Good oil and chemical resistance. Excellent flame resistance. Good low temperature impact resistance.	Tube
Viton	FKM	Fluorocarbon rubber	Excellent high temperature resistance, particularly in air or oil. Very good chemical resistance.	Tube/Cover
Epichlorohydrin	ECO	Ethylene oxide Chloromethyl	Excellent oil and ozone resistance. Fair flame resistance and low permeability to gases. Good low temperature properties.	Tube/Cover
Butyl	IIR	Isobutene-isoprene	Very good weathering resistance, low permeability to air. Good physical properties. Poor resistance to petroleum based fluids.	Tube/Cover
Ultra-High Molecular Weight Polyethylene	UHMW	Ultra-High Molecular Weight Polyethylene	Excellent chemical resistance.	Tube

Industrial Hose

Chemical Resistance Chart

Key:

E = Excellent
G = Good
C = Conditional
X = Unsatisfactory
Blank = No Data

WARNING ⚠ The following data is based on tests and believed to be reliable; however, the tabulation should be used as a guide **ONLY**, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. Contact Parker for recommendation and assistance. **Note:** All data based on 70˚F unless otherwise noted.

Trade Name	Description	ASTM Codes	Parker Codes
BUTYL	ISOBUTYLENE-ISOPRENE	IIR	BU
CPE	CHLORINATED POLYETHYLENE	CM	CP
EPDM	ETHYLENE PROPYLENE-DIENE	EPDM	EP
HYPALON	CHLOROSULTONYL POLYETHYLENE	CSM	CS
HYTREL	THERMOPLASTIC POLYESTER	—	HY
NATURAL	NATURAL RUBBER	NR	NR
NEOPRENE	POLYCHLOROPREN	CR	CR
NITRILE	ACRYLONITRILE	NBR	NI
NYLON	NYLON POLYMER	—	NL
SBR	STYRENE-BUTADIENE	SBR	SB
SANTOPRENE	ETHYLENE-PROPYLENE-DIENE	EPDM	SP
TEFLON	FLUOROCARBON RESIN	TFE	TF
UHMW	ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE	—	UHMW
URETHANE	URETHANE	AU	AU
VITON	FLOROELASTOMER	FKM	VI
XLPE	CROSS-LINKED POLYETHYLENE	XPE	XP

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
1 UNDECANOL	E			E		E		E				E			G	E
1,4-DIOXANE	G		G	X		X	X	X	E	X		E		X	X	E
1-AMINO-2-PROPANOL	E			C		G		G				E			X	
1-AMINOBUTANE	X		C	C		X	X	C		X		E		X	X	
1-AMINOPENTANE	G		X	G		G	X	C				E			X	
1-BROMO-2 METHYL PROPANE	X			X		X	X	X				E			G	
1-BROMO-3 METHYL BUTANE	X		X	X		X	X	X				E			G	
1-BROMOBUTANE	X			X		X		X				E			G	
1-CHLORO-2-METHYL PROPANE	X			X		X		X				E			G	
1-CHLORO-3-METHYL BUTANE	C		X	X		X	X	X	E			E			E	
1-DECANOL	C			E		C	X	E				E			G	E
1-HENDACONAL		E														
2 (2AMINOETHYLAMINO) ETHANOL	E			G		G		G								
2 (2ETHOXYETHOXY) ETHANOL	E		G	G		C	C	G	E	G		E		X	G	
2 (2ETHOXYETHOXY) ETHYL ACETATE	G		X	G		X	X	C		X		E		X	G	
2,4-DI-SEC-PENTYLPHENOL		E														
2-AMINOETHANOL	E		G	G		G	G	G				E		C	X	
2-CHLORO-1-HYDROXY-BENZENE		C														
2-CHLOROPHENOL	G	G	X	C	X	X	X	X	X	X	X	E		X	E	G
2-CHLOROPROPANE	X		X	X		X	X	X	X	X		E		X	E	E
2-ETHOXYETHANOL	G		G	C		C	C	G		X		E		X	C	
2-ETHOXYETHYL ACETATE	G	X	G	X	X	X	X	X	G	X		E		X	X	
2-ETHYL (BUTYRALDEHYDE)	G			X		X		X				E			X	E
2-ETHYL-1-HEXANOL	E		E	E		E	E	E		E	E	E		X	E	E
2-ETHYLHEXANOIC ACID	C			G		C		C				E				
2-ETHYLHEXYL ACETATE	E			E		X		X				E			X	
2-OCTANONE	G			X		X		X				E			X	
3-BROMOPROPENE	X			X		X	X	X				E			G	
3-CHLORO-2-METHYL PROPANE		G														
3-CHLOROPROPENE	C		X	X		X	X	G		E		E			G	
4-HYDROXY-4-METHYL-2-PENTANONE	E		E	C	C	C	C	X	G	C		E		X	X	
ACETALDEHYDE	E		E	C	G		X	X	E	X	E	E	G	X		E
ACETIC ACID, GLACIAL	G	E	G	C	E	X	X	G	X	C	G	E	E	X	X	E
ACETIC ACID–10%	E	E	E	E	X	B	B	X	E	F	B	E	E	X	E	E
ACETIC ACID–50%	E	E	E	E	C	X	C	C	C	X		G	E	X	G	G
ACETIC ANHYDRIDE	G	E	G	E	C	C	G	X	X	X	G	E	G	X	X	E
ACETIC OXIDE	G		B	E		X					B	E		G	X	E
ACETONE	E	G	E	X	C	C	X	X	E	C	E	E	E	X	X	E
ACETONE CYANOHYDRIN	E			C		C	B	X			E	E	G	X	X	E
ACETONITRILE	E		E	G		B	E	C			E	E				
ACETOPHENONE	G		E	X		X	X	X		X	E	F	X	X	X	X

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
ACETYL ACETONE	E	G	E	X		X	X	X		X	E	E	E	X	X	E
ACETYL CHLORIDE	X	E	C		X		X	X	X	X	C	E	G	X	G	G
ACETYL OXIDE	E		G	X		C		X			G	E	E		X	E
ACETYLENE	E	G	E	C	G	G	E	E	E	C	E	E	E	G	E	E
ACETYLENE DICHLORIDE	C		C	X		X	X	X				E			G	
ACETYLENE TETRACHLORIDE	X		X	X		X	X	X				E			E	
ACROLEIN	E		E	G		G	C	C		C		E	X	X		E
ACRYLIC ACID		E														
ACRYLONITRILE	X	E	X	C		C			E	C		E	C	X		C
ADIPIC ACID			E			E	E	E				E		E	E	
AIR, +300F	G		G	G		X	G	G		X	E		X	C		
ALK-TRI	X			X		X		X				E			E	E
ALLYL ALCOHOL	E		E	E		E	E	E				E	E		G	E
ALLYL BROMIDE	X			X		X						E	G		G	G
ALLYL CHLORIDE		G		X		X		G		G		E	G		G	G
ALUM	E	E	E	E		E	E	E	G			E	E		E	E
ALUMINUM ACETATE (AQ)	G	E	E			E	G	G		X		E	E	X	X	E
ALUMINUM CHLORIDE (AQ)–40%	G	C				E	E	G	X				E			E
ALUMINUM FLUORIDE	E		E	E		E	E	E	G	E		E	E	C	E	E
ALUMINUM FORMATE	G			X		X						E	E		E	
ALUMINUM HYDROXIDE	E		E	G		E	E	E	G	G		E	E	G		
ALUMINUM NITRATE (AQ)	E	E	E	E		E	E	E		E		E	E	C	E	E
ALUMINUM SULFATE (AQ)	E	E	E	E	G	E	E	E	E	G	E	E	E	G	E	E
ALUMS-NH3-CR-K	E		E	E		E	E	E	C	E		E	E	G		E
AMINES–MIXED	G		G	X	G	G		X		G				X	X	
AMINO XYLENE	G		C												C	
AMINOBENZENE		G							C							
AMINODIMETHYLBENZENE	G	C										E				
AMINOETHANE	G		E	C		C	X	X		C		E		X	X	
AMMONIUM CARBONATE (AQ)	E		E	G		E	E	G	G	E		E		E	E	
AMMONIUM CHLORIDE (AQ)	E	G	E	G	E	E	E	G		E	E	E	E	G	E	E
AMMONIUM HYDROXIDE	E	E	E	E								E	E	X	E	E
AMMONIUM NITRATE (AQ)	E	G	E	E	G	E	E	E	G	E		E	E	E	E	E
AMMONIUM PHOSPHATE, DIBASIC	E	E	E	E		E	E	E	E	E		E	E		E	E
AMMONIUM SULPHATE (AQ)	E	E	E	E	G	E	E	E	G	G		E	E	E	E	E
AMMONIUM SULPHITE	E		E	E		E	E	E		E		E			E	E
AMMONIUM THIOSULPHATE	E		E	E		E	E	E				E			E	E
AMYL ACETATE	G		E	X	C	X	X	X	G	X	X	E	E	X		E
AMYL ACETONE	G			X		X						E			X	E
AMYL ALCOHOL	E	E	E	E	E	E	E	G	E	E	E	E	E	X	E	E
AMYL AMINE	G			C		C		C				E				
AMYL BROMIDE												E			G	
AMYL CHLORIDE	X	C	X	X		X	X		E	X		E	E	C	E	G
AMYL ETHER				C				C				E				
ANETHOL	X	X		X		X			G			E	G		G	G
ANILINE	E	G	G	X	X	X	X	X	C	X		E	E	X	C	E
ANILINE DYES	G		G	G		G	C	X	X	G		E	E	X	C	E
ANILINE OIL	G	G	C									E		X	C	
ANIMAL FATS	C		E	C	G		G	E	E	X	E	E	E	C	E	E
ANTIMONY CHLORIDES	E		E	G			X	G				E			E	E
AQUA REGIA	X		G	X		X	X	X		X		E	X	X	E	X
ARGON	G		E	X	E	X	X	E	E	X		E	E	E	E	E
ARSENIC ACID	E	E	E	E		G	E	E	G	E		G	E	C	E	E
ASPHALT	X		X	X	C	X	X	X	E	X	E	E	X	G	E	X
ASTM FUEL A	X	E	X	G	E	X	G	E	E	X	X	E	G	G	E	G
ASTM FUEL B	X	G	X	X	E	X	X	X	E	X	X	E	G	G	E	G
ASTM FUEL C	X	C	X	X	E	X	X		E	X	X	E	G			G
ASTM OIL NO. 2	X	E	X	X	E	X	G	E	E	X	X	E	E	G	E	E
ASTM OIL NO. 3	X		X	G	E	X	C	E	E	X	X	E	E	E	E	E
ASTM OIL NO. 4	X		X	X		X	X	G		X			E	X	E	E
ASTM OIL NO.1	X	E	X	G	E	X	E	E	E	X	X	E	E	E	E	E
AUTOMATIC TRANSMISSION FLUID	X		X	C	E	X	G	E	G	X	X	E	E	G	E	E
BANANA OIL			G	C				X		X		E	E			E
BARIUM CHLORIDE (AQ)	E	G	E	E	G	E	E	E	G	E		E	E	E	E	E
BARIUM HYDROXIDE (AQ)	E	G	E	E	G	E	E	E	G	E		E	E	E	E	E
BARIUM SULFIDE (AQ)	E		E	E		E	E	E		G		E	E	E	E	E
BEER	E		E	E		E	G	E		E		E	E		E	E
BEET SUGAR LIQUORS	E	G	E	E	G	E	G	E	E	E		E	E	X	E	E
BENZAL CHLORIDE	G											E	E			E
BENZALDEHYDE	G		E	X	G	X	X	X	E	X	X	E	E	X	X	E
BENZENE	X	C	X	X	C	X	X	X	G	X	X	E	G	X	G	E
BENZENE CARBOXYLIC ACID	E			X			E	X				E			E	
BENZINE	X		X	X		X	C	C	G	X		E		C	E	E
BENZOIC ACID	X					X	E	X	E	X		E	E		E	E
BENZOL		C	X		C			X	G			E	G		G	
BENZOTRICHLORIDE												E	G			G
BENZYL ACETATE	E			G		X						E	E		X	E
BENZYL ALCOHOL	G		G	G	C	X	X	X	C	X	X	E	E	X	E	E
BENZYL CHLORIDE	X	X	X	X		X	X	X		X		E	E		E	E
BENZYL ETHER	G		C	X		X	X	X		X		E		G	X	
BIS (2-CLOROETHYL) ETHER	X			X		X		X		X		E				
BLACK SULFATE LIQUOR	G	C	G	G	G	G	G	G	C	G		E	E	X	E	
BLEACH (2-15%)	G		E	E	G	X	X	X	C	X		E	E	X	E	G
BORAX SOLUTION	E	G	E	E	E	G	E	G	G	G		E	E	E	E	E
BORIC ACID	E		E	E	E	E	E	E	G	E	E	E	E	E	E	E
BRAKE FLUID (HD-557) 12 DAYS	G	E	E	G			G	C	E	E		E			X	
BRINE	E	G	E	E	G	E	G	E	G			E	E		E	E
BROMACIL			E													
BROMOBENZENE	X	X	X	X		X	X	X		X		E	C	X	E	C
BROMOCHLOROMETHANE	X	X	G	X		X	X	X				E			C	

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
BROMOETHANE	X		X	X		C	X	G		X		E		X	E	
BROMOTOLUENE	X	X		X		X				X		E			G	F
BUGDIOXANE																E
BUNKER OIL	X		X	X		X	X	E		X		E	E	G	E	E
BUTADIENE	X		X	X		X	X	X		X		E	E	X	G	E
BUTANE	X		X	X	E	X	C	E	E	X		E	E	X	E	E
BUTANOIC ACID			G	C								E			G	
BUTANOL (BUTYL ALCOHOL)	G	G	G	E	G	E	E	E	G	E	G	E	E	X	E	E
BUTANONE	E	G	E	X	E			X	G		X	G	E	X		E
BUTOXYETHANOL	E		E	X		X	X	C				E		E		
BUTYL ACETATE	X	C	X	X	C	X	X	X	G	X		X	E	X	X	E
BUTYL ACRYLATE	X		X	X		X	X	X				E	G		X	G
BUTYL ALCOHOL	G	G	G	E	G	E	E	E	G	E	G	E	E		E	E
BUTYL ALDEHYDE	G		G	C			C				G	E	E	C	X	E
BUTYL BENZYL PHTHALATE	E			X		X				X		E	E		C	E
BUTYL CARBITOL	E		E	X		X	C	X		X		E	E		C	C
BUTYL CELLOSOLVE	E		G	X		X	X	C		X	E	E	E		X	E
BUTYL CHLORIDE	C			X		X						E	C		E	G
BUTYL ETHER	X		X	X		X	X	X		X		E	E	G	X	E
BUTYL ETHER ACETALDEHYDE	G			X		X			X			E	E		X	E
BUTYL ETHYL ETHER	X			X		X		G				E	E			E
BUTYL OLEATE	G		G	X		X	X	X		X		E			E	
BUTYL PHTHALATE	G		E	X		X				X		E			C	E
BUTYL STEARATE	X		X	X		X	X	G		X		E	E	G	E	E
BUTYLENE	X		X	X	G	X	C	E	G	X		E		C	E	
BUTYRALDEHYDE	G		C			X	X	X		X			E	X	X	E
BUTYRIC ACID	G		G	C		X	X	X		X		E	E		G	
BUTYRIC ANHYDRIDE	C			G		C		C				E				E
CADMIUM ACETATE	E			E		X						E	E			E
CALCIUM ACETATE	E			C		E	G	G		X		E	E	X	X	E
CALCIUM ALUMINATE	E			E		E		E				E			E	E
CALCIUM BICHROMATE	E			C								E				G
CALCIUM BISULFIDE			X		G		C	E	G	G		E		C	E	
CALCIUM CHLORIDE	E	G	E	E	E	E	E	E	E	E		E	E	E	E	E
CALCIUM HYDROXIDE	E	G	E	G	E	E	E	E	E	E		E	E	E	E	E
CALCIUM HYPOCHLORITE	E	G	E	E	C	X	C	X	X	X		E	C	X	E	C
CALCIUM NITRATE	E		E	E		E	E	E	E	E		E	E	X	E	E
CALCIUM SULFIDE	E	X	E	E		X	E	E	E	X		E	E	E	E	E
CAPRILIC ACID	C			G		C		C				E	E			E
CARBAMIDE	G			E		E	G	G				E				
CARBITOL	E		G	G		X	C	G	E	G		E	E	X	G	E
CARBOLIC ACID (PHENOL)	G	G	X	X		X	X	X	X	X	X	E	E	X	E	E
CARBON DIOXIDE	G		G	G		G	G	E	E	G		E	E	E	G	E
CARBON DISULFIDE	X		X	X		X	X	X	X	X		E	E	X	X	C
CARBON MONOXIDE	E	G	E	E	E	C	E	E	E	G	E	E	E	G	E	E
CARBON TETRACHLORIDE	X	C	X	X	X	X	X	C	X	X	X	E	G	X	E	E
CARBONIC ACID	E	X	E	E	X	E	G	G	G	G	X	E		E	G	E
CASTOR OIL	G	G	G	E	C	E	E	E	G	E	C	E	E	G	E	E
CAUSTIC SODA (SEE SODIUM HYDROXIDE)	E		E		C		E		G		E	E			G	
CELLOSOLVE ACETATE	G		G	X		X	X	X	G	X		E	E	X	X	E
CELLUGUARD	E		E	X		E	E	E	G	E		E		E	E	
CETYLIC ACID	G	G	G	C	E	E	G	E	C	B	E	E		E	E	
CHINA WOOD OIL (TUNG OIL)	X	C	X	E	G	X	E	E	G	X		E		C	E	
CHLORDANE	X		X	C	C	X	C	G	G	X				C	E	
CHLORINATED SOLVENTS	X	X	X	X		X	X	X	X	X		E		X	E	G
CHLORO-2-PROPANONE	X		E	X		X	C	X		X		E		X	X	
CHLOROACETIC ACID	G		G	G	X	X	X	X	X	X	X	E	E	X	G	E
CHLOROACETONE	X		E	X		X	C	X		X		E	E	X	X	E
CHLOROBENZENE, MONO, DI, TRI	X		X	X	X	X	X	X	E	X	X	E	G	X	E	A
CHLOROBUTANE	C			X		X		X				E	G	C	E	G
CHLOROETHYLBENZENE	X	X	X	X		X				X		E	E	G	E	E
CHLOROFORM	X	X	X	X	X	X	X	X	X	X	X	E	E	X	G	G
CHLOROPENTANE	C			X		X				X		E	E		E	E
CHLOROSULFONIC ACID	X	X	X	X	X	X	X	X	X	X	X	E	X	X	X	X
CHLOROTOLUENE	X		X	X		X	X	X		X		E	G	X	E	G
CHLOROX	G		G	G		X	G	G		X		E	G	X	E	G
CHROME PLATING SOLUTIONS	X		X	X		X	X	X		X		E		X	E	
CHROMIC ACID	G	X	X	X	X	X	X	X	X	X	X	E		X	E	
CHROMIUM TRIOXIDE	G	X	X	X	X	X	X	X	X	X	X	E		X	E	
CINNAMENE	X		X	X	X	X	X	X		X		E		C	G	
CIS-9-OCTADECENOIC ACID	X	X	C	G	E	X	C	E	E	X		E		G	E	E
CITRIC ACID	E	X	E	E	G	E	E	E	G	E	E	E	E	C	E	E
COAL OIL	X		X	C		X	G	E	E		X	E	E	C	E	E
COAL TAR	X		X	X	X	X	C	G		X	X	E	E	C	E	E
COAL TAR NAPHTHA	X		X	X		X		X		X		E		X	E	E
COCONUT OIL	G		G	C		X	C	E		X		E	E	C	E	E
COKE OVEN GAS	X		X	X		X	X	X	E	X		C		X	E	E
COOLANOL (MONSANTO)	X		X	G	X	X	G	E		X				X	E	
COPPER CHLORIDE	E	X	E	G	E	G	G	E	C	E		E	E	G	E	E
COPPER CYANIDE	E		E	G		E	E	E	G	E		E	E	E	E	E
COPPER HYDRATE	E			G		C		G				E	E		C	
COPPER HYDROXIDE	E			G		C		G		G		E			C	E
COPPER SULFATE	E	X	E	E	E	G	E	E	G	G		E	E	G	E	E
CORN OIL	G		X	G	E	X	C	E	G	X	E	E	E	E	E	E
COTTONSEED OIL	C	G	C	G	E	X	C	G	E	X		E	E	E	E	E
CREOSOTE	X		X	X		X	X	G	X	X		E	E	C	E	E
CRESOLS	X		X	X	X	X	X	X	X	X	X	E	E	X	E	E
CRESYLIC ACID	X		X	X		X	X	X		X		E	E	X	G	E
CROTONALDEHYDE	E		E	X		X	X	X		C		E	E	X	X	E
CRUDE OIL			X				X	G	E	X		E	E	G	E	E

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
CUMENE	X		X	X		X	X	X		X		E	E	X	E	E
CUPRIC CARBONATE	E			E		C	E	E				E	E		E	E
CUPRIC HYDROXIDE	E			G		C		G				E			C	
CUPRIC NITRATE	E		E	E		G	E	E				E	E		E	E
CUPRIC SULFATE	E		E	E		G	E	E		E		E	E	X	E	E
CUTTING OIL	X		X	G		X	G	E		X		E		E	E	
CYCLOHEXANE	X		X	X	E	X	X	G	G	X	X	E	E	G	E	G
CYCLOHEXANOL	X		X	B		X	G	G	G	X	X	E	E		E	E
CYCLOHEXANONE	X		C	X		X	X	X	G	X	X	E	E	X	X	E
CYCLOPENTANE	X		X	X		X	E	G				E	E		E	E
CYCLOPENTANOL	X			X		X		G		X			E		G	E
CYCLOPENTANONE	X			X		X		X				E			X	E
CYCLOPENTYL ALCOHOL	X			X		X		G		X			E		G	E
DDT IN DEIONIZED KEROSENE	X		X	X		X	C	E	E	X		E		G	E	E
DECAHYDRONAPTHALENE	X		X	X		X	X	X	G	X	X	E		X	E	
DECAHYDROXYNAPTHALENE		C														
DECALIN	X		X	X		X	X	X	G	X	X	E	X	X	E	E
DECYL ALCOHOL	X			E		X	X	E				E	E		G	E
DECYL ALDEHYDE	C			X		X						E	E		X	E
DECYL BUTYL PHTHALATE	E			X		X		X				E	E		C	E
DECYL CARBINOL	E			E		E		E				E			G	
“DETERGENT, WATER SOLUTION”	E		E		G		G	E		G		E	E	G	E	
DEVELOPING FLUID (PHOTO)	G		G	E	X	E	E	E		G		E			E	
DEXTRON	X		X	X		X	G	E		X				G	E	
DI(2ETHYLHEXYL) ADIPATE	E		G	X		X	X	X				E			C	
DI(2ETHYLHEXYL) PHTHALATE	G		G	X	E	X	X	X	E	X		E		X	G	
DIACETONE ALCOHOL	E		E	X	C	X	X	X		X		E	E	X	X	C
DIACETYLMETHANE	E	G	E	X		X	X	X		X	E	E		X	X	
DIALLYLPHTHALATE		G														
DIAMMONIUM PHOSPHATE	E	E	E	E		E	E	E		E		E			E	
DIAMYL NAPTHALENE	E			X		X						E			C	E
DIAMYL PHENOL	X			X		X		X		X		E			E	E
DIAMYLAMINE	E		E	C		G		G		X		E		X	X	
DIAMYLENE	X			X		X	X	C	G			E			E	E
DIBENZYL ETHER	G		C	X		X	X	X		X		E	E	G	X	E
DIBROMOBENZENE	X			X		X						E	G		E	E
DIBROMOMETHANE	X		C	X		X	X	X			X	E			G	
DIBUTYL ETHER	X		X	X		X	X	X		X		E	E	X	X	E
DIBUTYL PHTHALATE	C		E	X	G	X	X	X	E	X		E	E	X	C	E
DIBUTYL SEBACATE	G		G	X	G	X	X	X		X		E	E	X	E	E
DIBUTYLAMINE	X		X	X		X	X	X		X		E	E	X	X	
DICALCIUM PHOSPHATE	E			E		E		E				E			E	E
DICHLORO DIFLUORO METHANE	X	C	C	E	E	X	G	C	G	E	X	E		E	G	
DICHLORO ETHYLENE	C		X	X	X		X		C		X	E		C	G	
DICHLOROACETIC ACID	C			X		G						E	E	C	X	E
DICHLOROBUTANE	X		C	X		X	X	G		X		E	E	X	E	G
DICHLOROETHANE	C	X	X	X	X	X	X	X	C	X	X	E		X	G	E
DICHLOROETHYL ETHER	X			X		X		X		X		E				E
DICHLOROHEXANE	X			X		X						E	E		E	E
DICHLOROMETHANE	X		C	X	X	X	G	X	C	X	X	E	E		G	E
DICHLOROPENTANE	X			X		X	X	X		X		E	E	X	E	E
DICHLOROPROPANE	X			X		X	X	X				E	E		E	E
DICHLOROPROPENE												E	E		E	E
DICHLOROTOLUENE		X														
DIESEL OIL	X	E	X	C	G	X	C	E	E	X	X	E	E	C	E	C
DIETHANOLAMINE	E		E	C	X	G			G	X		E	E			
DIETHYL ETHER	X		X	X	C	X	X	X	E	X	E	E		E	X	
DIETHYL KETONE	G		E	X		X	X					E			X	E
DIETHYL OXALATE	X		X	X		X	X	X				E				E
DIETHYL PHTHALATE	E			X		X						E	E		C	E
DIETHYL SEBACATE	G		G	C	E	X	X	X		X	E	E		X	G	
DIETHYL SULFATE	G		E	X		X	E	X		E		E		X	X	
DIETHYL TRIAMINE	E			C		G		G				E				
DIETHYLAMINE	G		G	C		G	G	C		G		E	E	C	X	C
DIETHYLBENZENE	X		X	X		X	X	X		X		E	E	X	E	E
DIETHYLENE GLYCOL	E		E	E	E	E	E	E		E		E	E	X	E	C
DIETHYLENE OXIDE	X		E									E				
DIETHYLENE TRIAMINE	E		E	C		G				X	E	E	E	X		
DIHYDROXY DIETHYL ETHER	E		E	E		E	E	E				E			E	
DIHYDROXY SUCCINIC ACID	G		G	E		E	C	G				E		E	E	
DIISOBUTYL KETONE	G		E	X		X	X	X		X		E	E	X	X	E
DIISOBUTYLENE	X		X	X		X	C	E		X		E		X	E	E
DIISODECTYL PHTHALATE	E		E	X		X				X		E	E		C	E
DIISODECYL PHTHALATE	E		E	X		X	X	X				E			C	
DIISOOCTYL ADIPATE	E			X		X		X		X		E	E		C	E
DIISOOCTYL PHTHALATE	E		G	X		X						E	E		C	E
DIISOPROPANOLAMINE	E			C		G		G				E				
DIISOPROPYL ETHER	X		X	C		X	X	G		X		E		G	X	E
DIISOPROPYL KETONE	E		E	X		X	X	X		X		E		X	X	E
DIMETHYL PHTHALATE	G		G	X	E	X	X	X		X	G	E	E	X	E	E
DIMETHYL SULFATE	G			X				X				E	E		X	
DIMETHYL SULFIDE	C					X		X				E				
DIMETHYLAMINE	G		X	X			X	X				E	E		X	E
DIMETHYLANILINE	X	C	G	X			X	X		X		E	G	X	X	G
DIMETHYLBENZENE	X	C	X	X	X		X	X	G	X	X	X	E	X	E	
DIMETHYLBUTANE		G														
DIMETHYLCARBINOL	E		G	E		E	E	G				E	E		E	
DIMETHYLKETONE	E	G	E	X	C		X	X	E	C	E	E	E	X	X	
DIOCTYL ADIPATE	E		G	X		X	X	X				E	E		C	
DIOCTYL PHTHALATE	G		G	X	E	X	X	X	E	X		E	E	X	G	E
DIOXALANES	X		G	X		X	X	X		X		E	E	X	X	E

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
DIOXANE	G		G	X		X	X	X	E	X		E	E	X	X	E
DIPENTENE	X		X	X		X	X	G		X		E		X	E	
DIPENTYLAMINE	E		E	C		G		G		X		E		X	X	
DI-P-MENTHA-1,8-DIENE	X		X	X		X	X	G		X		E		X	E	
DIPROPYLAMINE	E			C		G		G				E				
DIPROPYLENE GLYCOL	E			E		E		E				E			E	
DISODIUM PHOSPHATE	E		E	E		E		E				E	E	E	E	E
DIVINYL BENZENE	X			X		X				X		E	E		E	E
DOWELL INHIBITOR		G														
DOWFAX 2A1 SOLVENT		E														
DOWFAX 2A1 TA		E														
DOWFAX 6A1 SOLVENT		G														
DOWFAX 6A1 TA		E														
"DOWTHERM, A AND E"	X	X	X	X	G	X	X	X	X	X		C	E	X	E	E
DRY CLEANING FLUIDS	X		X	X			X	C		X		E		X	E	
DUCGKIRIOEBAANE	X															
DURO AW16, 31			X					E	E			E				
DURO FR-HD			X					E	E			E				
EHTYL BUTYL ACETATE	E			G		X		X				E	E		X	E
EHTYL DICHLORIDE	C		C	X		X	X	X		X		E		X	G	G
EHTYLENE DIBROMIDE	X		C	X		X	X	X		X		E	G	X	G	G
ETHANOIC ACID	G	E	E	C	C	X	G	C	C	G	C	E		X	X	
ETHANOL (GRAIN ALCOHOL)	E	G	E	E	E	E	E	E	X	E	E	E	E	X	C	E
ETHANOLAMINE	G		G	X		G	G	G		X		E	E	C	X	E
ETHERS	X	G	C	X	X	X	X	X	E	X		E		X	X	
ETHYL ACETATE	G	G	E	X	C	X	X	X	E	X	E	E	E	X	X	C
ETHYL ACETOACETATE	G		G	X		C	X	X		C		E	E		X	E
ETHYL ACETONE	G		G	X		X	X	X		X		E			X	
ETHYL ACRYLATE	G		G	X		X	X	X		X		E	E	X	X	G
ETHYL ALCOHOL	E	G	E	E	E	E	E	E	X	E	E	E	E	X	E	E
ETHYL ALDEHYDE	G		E	C		X	X	X				E	E	C	X	E
ETHYL ALUMINUM DICHLORIDE	X			X		X		X				E			G	G
ETHYL BENZENE	X		X	X		X	X	X		X		E	E	X	E	E
ETHYL BROMIDE	X		X	X		C	X	G		X		E		X	E	
ETHYL BUTANOL	E			E		E		E				E	E		G	E
ETHYL BUTYL KETONE	G			X		X		X				E			X	E
ETHYL CELLULOSE	G		G	G	G	G	G	G	C	G		E	E	G	X	E
ETHYL CHLORIDE	E	X	E	C	X	C	X	E	E	G	X	E	G	C	E	G
ETHYL DIISOBUTYLTHIO-CARBAMATE						E				E			E			E
ETHYL ETHER	X	G	X	X		X	X	X	E	X		E	E	C	X	E
ETHYL FORMATE	G		G	G		X	G	X		X		E	E		E	E
ETHYL IODIDE	C		C	X		X	X	X				E	G		G	E
ETHYL OXALATE	X		C	X		C	X	X		X		E	E	E	E	E
ETHYL PHTHALATE	E			X		X		X				E	E			
ETHYL SILICATE	E		E	G		G	E	E		G		E	E	X	E	E
ETHYLAMINE	G		E	C		C	X	X		C		E	E	X	X	
ETHYLENE CHLOROHYDRIN	G		G	C		C	G	X				E	E		E	E
ETHYLENE DIAMINE	E		E	G		G	E	G		G		E	E	X	X	E
ETHYLENE DICHLORIDE	C	X	X	C	X	X	X	X	C	X	X	E	G	X	G	G
ETHYLENE G MONOETHYL E ACETATE	E		E	X		C	X	C				E		X	E	
ETHYLENE G. MONOBUTYL ETHER	E		E	C		X	C	C		X		E		X	X	E
ETHYLENE G. MONOHEXYL ETHER																E
ETHYLENE G. MONOMETHYL ETHER	E		G	G		X	E	C				E			X	E
ETHYLENE GLYCOL	E	G	E	E	E	E	E	E	E	E	E	E	E	G	E	C
ETHYLENE OXIDE	X	X	C	X	E	X	X	X	G	X		E		X	X	
FATTY ACIDS	X		X	C	G	X	G	E	E	X	X	E	E	C	E	E
FERRIC BROMIDE	E			E		E		E				E	E		E	
FERRIC CHLORIDE	E	X	E	E	G	E	E	E	C	E		E	E	E	E	E
FERRIC NITRATE	E		E	E		E	E	E	E	E		E	E	E	E	E
FERRIC SULFATE	E	X	E	E	E	E	E	E	E	E		E	E	G	E	E
FERROUS ACETATE	E			E		X		X				E			X	E
FERROUS CHLORIDE	G		E	G	E	E	G	E	E			E	E	G	E	E
FERROUS SULFATE	E		E	E	E	E	E	E	E	E		E	E	E	E	
FLOUROSILIC ACID	E		E	E		E	E	E		G	C	E	C		C	G
FLUOBORIC ACID	G		E	E		E	E	E		E		E	C	X	E	C
FLUORINE	X		E	X	X	X	X	X	X			G	X	X	E	X
FORMALDEHYDE	E	G	E	G	C		G	C	E	C	E	E	E	X	E	E
FORMALIN	E	G	E	G	C		G	C	E	C	E	E		X	E	E
FORMIC ACID	E	X	E	E	C	C	E	C	X	E	E	E	E	X	X	C
FREON 113	X		X	E	E	X	E	E	X	G	X	E		G	G	
FREON 12	C	C	C	E	E	C	E	E	G	E	X	E		E	G	
FREON 22	X	C	E	E	X	C	E	X	G	E	X	E		X	C	
FREON 502	E		E			E	E	G	E	E					G	
FUEL A (ASTM)	X	E	X	G	E	X	G	E	E	X	X	E	G	G	E	G
FUEL B (ASTM)	X	G	X	X	E	X	X	X	E	X	X	E	G	G	E	G
FUEL OIL	X	E	X	C	G	X	G	E	G	X		E	E	C	E	E
FURALDEHYDE	E	E	G	C	G	X	C	X	C	X	E	E		X	X	
FURAN	X		X	X		X	X	X		X		E		X	C	
FURFURAL	E	E	G	C	G	X	C	X	C	X	E	E	E	X	X	E
FURFURAN	X		X	X		X	X	X		X		E		X	C	
FURFURYL ALCOHOL	G		G	X	G	X	X	X	G	X	E	E	E	X	C	E
GALLIC ACID	G		G	G	X	E	G	G	G	G		E	E	X	E	C
GALLOTANNIC ACID	G		E	E		E	E	E				E		E	E	
GAS, 100 OCTANE	X		X	X	E	X	C	E	G	X	X	E	C	C	E	
GAS, COAL			E		G		E	X	E					G	E	
GASOLINE	X	E	X	X	E	X	X	E	G	X		E	G	C	G	G
GLACIAL ACRYLIC ACID																E
GLUCONIC ACID	C			G		X		C				E	E			
GLUCOSE	E		E	E	G	E	G	E	G	E		E	E	C	E	E
GLYCERINE	E	E	E	E	E	E	E	E	G	E	X	E	A	C	E	C
GLYCEROL	E	E	E	E	E	E	E	E	G	E	X	E		C	E	

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
GLYCOGENIC ACID	C			G		X		C				E				
GLYCOLS	E		E	E	C	E	E	E	G	E	G	E	E	X	E	E
GLYCONIC ACID	C			G		X		C				E	E			
GLYCYL ALCOHOL	E	E	E	E	E	E	E	E	G	E	X	E		C	E	
GREASE, PETROLEUM BASE	X	E	X	X	E	X	C	E	E	X	X	E	E	E	E	G
GREEN SULFATE LIQUOR	E		E	G	X	G	G	G	X	G		E	E	E	E	E
HALON 1211							E	E								
HELIUM	E		E	E		E	E	E	E	E		E		E	E	
HEPTALDEHYDE	X			X		X		E				E			X	
HEPTANAL	X			X		X		E				E	E		X	E
HEPTANE	X	E	X	G	G	X	G	E	E	X		E	E	G	E	G
HEPTANE CARBOXYLIC ACID	C			G		X		C				E				
HEPTANOIC ACID		E														
HEPTANONE		C														
HEXADECANOIC ACID	G	G	G	C	E	E	G	E	C	B	E	E		E	E	
HEXALDEHYDE	G		E	C		X	E	X		X		E	E	G	X	E
HEXANE	X		X	E	E	X	E	E	E	X	E	E	G	G	E	G
HEXANOL	C		G	G		E	G	E		E		E	E	X	E	E
HEXENE	X		X	G		X	G	G		X		E		G	E	E
HEXYL ALCOHOL	C		G	G		E	G	G		E		E	E	X	G	E
HEXYL METHYL KETONE	G			X		X		X				E			X	E
HEXYLAMINE	G			C		C		C				E			X	
HEXYLENE GLYCOL	E		C	E		E	E	E				E			E	
HISTOWAX		E														
HYDRAULIC OIL, PETROLEUM		E	X	G	E	X	G	E	E		X	E	E		E	E
HYDRAZINE	E		E	G	X	X	G	G	X	G		E			E	
HYDROBROMIC ACID	E	X	E	E		E	X	X	X	X		E	G	X	E	C
HYDROCHLORIC ACID	E	X	C	C	C	C	C	C	C	X	E	E	E	C	G	E
HYDROCYANIC ACID	G	X	E	E	X	G	G	G	X	G	E	E	E	X	E	
HYDROFLUORIC ACID	G	X	C	E	X	C	C	C	X	C	X	E	E	X	G	C
HYDROFLUOSILICIC ACID	E	X	E	E	G	E	G	G	X	G		E	G	C	E	C
HYDROGEN CHLORIDE ANHYDROUS		E														
HYDROGEN DIOXIDE (10%)	C		G	G		G	X	C				E			E	
HYDROGEN GAS	E	C	E	E	E	G	E	E	E	G		E	E	E	E	E
HYDROGEN PEROXIDE 10%	G		G	E	X	G	X	C	G	C		E	G	G	E	G
HYDROGEN PEROXIDE OVER 10%	X	X	C	G	X	X	X	X	X	X		E	E	C	E	C
HYDROGEN SULFIDE (WET)	E	X	E	E	E	X	E	C	X	X		E	E	C	C	E
HYDROXY BENZENE	G		C	C		X	X	X				E		C	E	
HYDROXYISOBUTYRONITRILE		E														
HYDROXYTOLUENE		E														
HYVAR XL			E													
IMINODI-2-PROPANOL		E														
IMINODIETHANOL		E														
IODINE	G		G	G		X	X	G	E	G		E	G	X	E	C
IODINE PENTAFLUORIDE	X		X	X		X	X	X		X		E	C	X	X	C
IODOFORM			X			X	X	E		X						
ISOBUTANAL		G														
ISOBUTYLAMINE	E			C		C		X				E			X	
ISOBUTYLBROMIDE	X			X		X		X				E			G	
ISOBUTYLCARBINOL	E		E	E		E	E	E				E		C	E	
ISOCYANATES					G			G	G				E	G	G	E
ISOOCTANE	X	E	X	G	E	X	G	E	E	X	X	E	E	G	E	E
ISOPROPYL ACETATE	G		G	X	C	X	X	X	G	X		E	E	X	X	E
ISOPROPYL ALCOHOL	E		E	E	E	E	G	E	E	E		E	E	X	E	E
ISOPROPYL ETHER	X		X	C		X	X	G		X		E	E	G	X	E
JET FUELS	X		X	X		X	X	E	C	X	X	E	E	C	E	E
JP-4 OIL	X		X	X	E	X	X	E	C	X	X	E		C	E	
KEROSENE	X	G	X	X	E	X	C	E	E	X	X	E	E	G	E	E
KETONES	G	G	E	C	X	C	X	X	E	G	X	E	E	X	X	
LACQUER SOLVENTS	X	C	X	X	C	X	X	X	E	X		E	G	X	X	G
LACTIC ACID – COLD	E	X	E	E	X	E	E	E	E	E		E	E	G	E	E
LACTIC ACID – HOT			X	C	C	X	X	X	X	X		E			E	
LARD	C		G	G	G	X	G	E	E	X	E	E	G	C	E	C
LAVENDER OIL	X		X	X		X	X	G		X		E	G	X	E	G
LEAD ACETATE	E		E	C		E	G	G		X		E	E	C	E	E
LEAD NITRATE	E		E	C		E	E	E		E		E			E	
LEAD SULFATE	E		E	E	G	E	G	E	G			E	E		E	E
LIME	E		E	E	G	E	E	E	G			E		G	E	
LIME BLEACH	E		E	G		E	G	E		E		E			E	
LIME SULFUR, WET	E		C	G		C	E	E				E	E		E	E
LIMONENE	X		X	X		X	X	X				E			E	
LINOLEIC ACID	X		X	X		X	C	G		X		E			G	
LINSEED OIL	G	G	C	G	G	X	E	E	E	X		E	E	G	E	E
LUBRICATING OILS, SAE	X	G	X	X	E	X	C	E	E	X	X	E	E	E	E	E
LYE SOLUTIONS	E	C	E	E	C	E	E	C	G	G	C	E		G	G	
M E X	G	C	E	X	C	X	X	X	E	X	X	E	E	X	X	E
MAGNESIUM ACETATE	E		E	E		X	X	X		X		E		X	X	E
MAGNESIUM CHLORIDE	E	G	E	E	G	E	E	E	E	E		E	E	E	E	E
MAGNESIUM HYDRATE	E		E	E		E	G	G				E	E	E	G	
MAGNESIUM HYDROXIDE	E	G	E	E	C	E	E	E	E	G		E	E	C	E	E
MAGNESIUM SULFATE	E	G	E	E	G	G	E	E	E	G		E	E	C	E	E
MAGNESIUM SULFITE	E		E	E		G	E	E		G					E	
MALEIC ACID	X		E	X		X	X	C		X		E	E	C	E	G
MALEIC ANHYDRIDE	X		X	X		X	X	X		X		E			E	
MALIC ACID	X		X	G		E	G	E	E	G		E	E		E	
MANGANESE SULFATE	G		E	E		G	E	E				E	E	E	E	E
MAPP			G				E	E		G						
MERCURY	E	G	E	E	E	E	E	E	E	E		E	E	E	E	E
MERCURY VAPORS	E		E	E		C	C	E		E		E			E	
MESITYL OXIDE	C		G	X		X	X	X		X		E	E	X	X	E
METHALLYL ALCOHOL	E			E		E		E				E			G	E

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
METHALLYL CHLORIDE		C														
METHANE CARBOXYLIC ACID							SEE ACETIC ACID									
METHANOIC ACID	E	X	E	E	C	C	E	C	X	E	E	E		X	X	
METHANOL (METHYL ALCOHOL)	E	G	E	E	E	E	E	E	G	E	E	E	E	X	C	C
METHANOL (WOOD ALCOHOL)	E	G	E	E	E	E	E	E	G	E	E	E	E	X	C	C
METHOXY ETHANOL		E														
METHOXYETHOXY ETHANOL		E														
METHYL 1-2,4-PENTANEDIOL		E														
METHYL ACETATE	G		G	C	C	X	C	X	E	X		E	E	X	X	E
METHYL ACETOACETATE	G		G	X		X	X	X				E		X	X	E
METHYL ACETONE	G		E	X		C	X	X				E	E		X	
METHYL ACETYLENE PROPADIENE			G				E	E		G						
METHYL ALCOHOL	E	G	E	E	E	E	E	E	G	E	E	E	E	X	C	E
METHYL ALLYL ALCOHOL	E			E		E		E				E			G	
METHYL ALLYL CHLORIDE	F	C		X		X				X					F	G
METHYL AMYL CARBINOL	E			E		E		E				E			G	E
METHYL BENZENE	X	C	X	X	C	X	X	X	E	X	X	E		X	E	E
METHYL BROMIDE	C		C	X	X	X	X	G	G	X	X	E	G	X	E	G
METHYL BUTANE	X		X	X			X	E				E		G	E	
METHYL BUTANOL	E	E	E	E	E	E	E	E	E	G	E	E		X	E	
METHYL BUTYL KETONE	E		E	X		X	X	X		X		E	E	X	X	
METHYL CARBITOL	E			E		X		C				E				E
METHYL CELLOSOLVE	G		G	C		X	G	C		X		E	E	X	X	E
METHYL CHLORIDE	X	C	X	X	X	X	X	X	C	X	X	E	E	X	E	G
METHYL CYANIDE	E		E	G		G	E	C				E			X	
METHYL ETHYL KETONE	E	G	E	X	E	X	X	X	G	X	C	E	E	X	X	E
METHYL HEXANOL	E			E		E		E				E	E		G	E
METHYL ISOAMYL KETONE		C														
METHYL METHACRYLATE	C		X	X		X	X	X	C	X	C	E	G	X	X	G
METHYL NORMAL AMYL KETONE	G			X		X		X				E			X	E
METHYL PROPYL ETHER	X			G		X		X				E				E
METHYL SALICYLATE	G		C			X	X	X				E			G	
METHYL STYRENE		C														
METHYL SULFIDE	C			X		X		X				E				
METHYL TERTIARY BUTYL ETHER	G	X					X	X		X		G	G		X	
METHYL-1-PROPANOL	E		E	E		E	E	G		E		E		X	E	
METHYL-2-BUTANOL	E	E		E		E				E					F	E
METHYL-2-BUTANONE	G	X	C	X	X	X	X	X	E	X		E		X	X	E
METHYL-2-HEXANONE	G	C		X		X				X					X	E
METHYL-2-PENTANOL	E		E	E		G	E	G				E			C	
METHYL-2-PENTANONE	C	X	G	X	X	X	X	X	G	X	X	E		X	X	
METHYL-2-PROPEN-1-OL	E		E	E		G	E	G				E			C	
METHYL-3-PENTEN-1-ONE		C														
METHYL-4-ISOPROPYL BENZENE		C														
METHYLALLYL ACETATE	E			G		X		X				E			X	E
METHYLAMYL ALCOHOL	E		E	E		G	E	G				E			C	E
METHYLCYCLOHEXANE	X			X		X		X				E			G	G
METHYLENE BROMIDE	X		X	X		X	X	X				E	G		C	
METHYLENE CHLORIDE	X		C	X	X	X	X	X	C	X	X	E	E	X	G	G
METHYLETHYL KETONE	E	G	E	X	E	X	X	X	G	X	C	E	E	X	X	E
METHYLHEXYL KETONE	G			X		X		X				E			X	E
METHYLISOBUTYL CARBINOL	E		E	E		G	E	G				E			C	C
METHYLISOBUTYL KETONE	C	X	G	X	X	X	X	X	G	X	X	E	E	X	X	E
METHYLISOPROPYL KETONE	G	X	C	X	X	X	X	X	E	X		E		X	X	E
METHYLLACTONITRILE	E			C		C	B	X			E	E		X	X	
METHYLPHENOL	X		X	C		X	X	X				E		X	E	
METHYLPROPYL CARBINOL	E			E		E		E				E			G	
METHYLPROPYL KETONE	G		G	X		X	X	X		X		E			X	E
MIL-A-6091	E		E	E		E	E	G		E				X	E	
MIL-E-9500	E		E	E		E	E	E		E				X	E	
MIL-F-16884	X		X	C		X	C	E		X				C	E	
MIL-F-17111	X		X	X		X	G	E		X				C	E	
MIL-F-25558B	X		X	G		X	G	E		X				G	E	
MIL-F-25576C	X		X	C		X	C	E		X				C	E	
MIL-F-7024A	X		X	X		X	X	E		X				G	E	
MIL-G-10924B	X		X	G		X	X	E		X				G	E	
MIL-G-25013D	X		X	G		X	G	E		X				C	E	
MIL-G-25537A	X		X	G		X	G	E		X				G	E	
MIL-G-4343B	C		C	G		C	G	G		C				E	E	
MIL-G-5572	X		X	X		X	X	E		X				G	E	
MIL-G-7711A	X		X	X		X	X	E		X				E	E	
MIL-H-13910B	G		E	G		G	G	G		E				X	E	
MIL-H-19457B	E		E	X		X	X	X		X				X	C	
MIL-H-22251	E		E	G			G	G		G					E	
MIL-H-27601A	X		X	C		X	G	G		X				C	E	
MIL-H-5606B	X		C	G		X	G	E		X				G	E	
MIL-H-6083C	X		X	G		C	G	E		X				G	E	
MIL-H-8446B	X		X	C		X	G	G		X				C	E	
MIL-J-5161F	X		X	X		X	X	G		X				C	E	
MIL-J-5624G (JP-3, JP-4, JP-5)	X		X	X		X	X	E		X				C	E	
MIL-L-15016	X		X	G		X	G	E		X				E	E	
MIL-L-17331D	X		X	G		X	G	E		X				E	E	
MIL-L-2104B	X		X	C		X	G	E		X				E	E	
MIL-L-21260	X		X	G		X	G	E		X				E	E	
MIL-L-23699A	X		X	C		X	C	G		X				C	E	
MIL-L-25681C	E		E	G		G	G	G		G				C	E	
MIL-L-3150A	X		X	G		X	G	E		X				G	E	
MIL-L-3545B	X		X	C		C	G	G		X				C	E	
MIL-L-4339C	X		X	X		X	X	E		X				X	E	
MIL-L-6082C	X		X	G		X	G	E		X				E	E	
MIL-L-6085A	X		X	X		X	X	G		X				C	E	

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
MIL-L-7870A	X		X	X		X	G	E		X				X	E	
MIL-L-9000F	X		X	C		X	G	E		X				C	E	
MIL-L-9236B	X		X	X		X	X	G		X				X	E	
MIL-O-5606								E							E	
MIL-O-7808	X		X	X		X	X	G		X		E		X	E	
MIL-P-27402	E		E	G			G	G		G						
MIL-S-3136B TYPE 1 FUEL	X		X	G		X	G	E		X				G	E	
MIL-S-3136B TYPE 2 FUEL	X		X	X		X	X	C		X				G	E	
MIL-S-3136B TYPE 3 FUEL	X		X	X		X	X	C		X				G	E	
MIL-S-3136B TYPE 4 OIL, LOWSWELL	X		X	E		X	E	E		X				E	E	
MIL-S-3136B TYPE 5 OIL, MEDSWELL	X		X	G		X	G	E		X				G	E	
MIL-S-3136B TYPE 6 OIL, HI SWELL	X		X	X		X	X	E		X				G	E	
MIL-S-81087	E		E	E		E	E	E		E				E	E	
MINERAL OIL	X	G	X	E	E	X	E	E	E	X	X	E	E	E	E	E
MINERAL SPIRITS	X		X	G		X	X	E		X		E	E	G	E	E
MOBILE HFA			X					E	E			E				
MOLTEN SULFUR	G		E	E		G	E	G				E	X	G	E	X
MONOBUTYL ETHER	X		X	X		X	C	C		X		E		X	X	E
MONO-CHLOROACETIC ACID	G	X	C	X	X	C	E	X	X	X	X	E		X	G	E
MONOCHLOROBENZENE	X		X	X	C	X	X	X	G	X	X	E	G	X	E	G
MONOCHLORODIFLUOROMETHANE	X	C	E	E	X	C	E	X		E	X	E			X	C
MONOETHANOL AMINE	G		G	C		G	G	G		G		E	E	X	X	E
MONOETHYL AMINE	G		E	C		C	X	X		C		E		X	X	C
MONOMETHYLAMINE	C		E	C		C	C	G				E			C	E
MORPHOLINE			X				X	X	X			E				
MOTOR OIL			X	G	G		G	E	G			E	E	G	E	E
MTBE	G	X					X	X		X		G	G		X	
MURIATIC ACID	C	X	C	C	C	C	C	C	X	X	E	E	E	C	C	E
NA-K			X					X				X				
NAPHTHA	X	E	X	X	E	X	X	E	E	G	X	E	E	C	E	E
NAPHTHALENE	X	C	X	X	C	X	X	X	G	X	C	E	E	G	E	E
NAPTHENIC ACIDS		E	X	X		X	X	G		X		E			E	
N-BUTANAL	G		G	C		X	C	X				E		C	X	
N-BUTYLAMINE	X		C	X		X	X	X		X		E		X	X	
N-BUTYLBENZENE				X		X		X				E			E	E
N-BUTYLBROMIDE	X			X		X		X				E			G	G
N-BUTYLBUTYRATE	E		E	X		X	X	X		X		E			E	G
N-BUTYLCARBINOL	E	E	E	E	E	E	E	G	E	E	E	E		X	E	
NEOHEXANE	X			X		X		E				E			E	E
NEON GAS	E		E	E		E	E	E	E	E	E	E		E	E	
NEU-TRI	X			X		X		X				E			E	E
NICKEL ACETATE	E		E	X		E	G	G		X		E	E	X	X	E
NICKEL CHLORIDE	E	X	E	E	C	E	G	E	C	E		E	E	C	E	E
NICKEL NITRATE	E		E	E		E	E	E				E	E		E	E
NICKEL SULFATE	E	X	E	E	C	G	E	E	C	G		E	E	C	E	E
NIETYLENE						E										
NITRIC ACID, 10%	E	X	E	G	C	X	G	X	C	X	E	E	E	X	X	C
NITRIC ACID, 13N	X	X	X	X	X	X	X	X	X	X		E		X		
NITRIC ACID, 13N + 5%	X	X	X	X	X	X	X	X	X	X		E		X		
NITRIC ACID, 20%	G	X	E	G	X	X	X	X	X	X		E	E	X	C	E
NITRIC ACID, 30%	C	X	G	C	X	X	X	X	X	X		E	E	X	C	E
NITRIC ACID, 30% - 70%	X	X	X	X	X	X	X	X	X	X		E	E	X	C	G
NITRIC ACID, CONC (16N)	X	X	X	X	X	X	X	X	X	X	X	E	E	X	E	G
NITRIC ACID, RED FUMING	C	X	X	X	X	X	X	X	X	X	X	E	X	X	C	X
NITRILOTRIETHANOL	G		E	E	X	G	X	C		G		E		X	X	
NITROBENZENE	G	C	X	X	X	X	X	X	C	X		E	E	X	C	E
NITROETHANE	G		G	C		G	C	X		G	E	E	E	X	X	E
NITROGEN	E		E	E		E	E	E		E		E	E	E	E	E
NITROMETHANE	G		G	C	C	G	X	X		C		E	E	X	X	E
NITROUS OXIDE GAS	E		E	E		E	G	E	C			E	E	G	E	
N-NONYL ALCOHOL	E			E		E		E				E			G	
N-OCTANE	X		X	X		X	C	E		X		E	G	X	E	G
NONANOIC ACID	E			X		X		E				E				
NONANOL	E			E		E		E				E			G	
N-SERV (75% XYLENE)									E			E			E	C
NUTO H			X					E	E			E				
NYVAC LIGHT			E					X	E			E				
O-AMINOTOLUENE		G														
OCTANOIC ACID	C			G		C		C				E				
OCTANOL	G		E	G		G	G	G		G		E	E	X	E	E
OCTYL ACETATE	E			E		X		X				E	E		X	
OCTYL ALCOHOL	G		G	G		G	G	G		G		E	E	X	G	E
OCTYL ALDEHYDE	C			X		X		X				E			X	E
OCTYL AMINE	E			C		C		C				E			X	C
OCTYL CARBINOL	E			E		E		E				E			G	E
OCTYLENE GLYCOL	E			E		E		E				E			E	C
OIL-PETROLEUM	X	G	X	G	E	X	G	E	G	X	C	E	E	G	E	E
OLEIC ACID	X	X	C	G	E	X	C	E	E	X		E	E	G	E	E
OLEUM (FUMING SULFURIC ACID)	X	X	X	X	X	X	X	X	X	X		E	X	X	G	X
OLIVE OIL	G		G	G		X	G	E	E	X		E	G	E	E	C
ORTHO-DICHLOROBENZENE	X		X	X	X	X	X	X	E	X	X	E		X	E	
ORTHO-DICHLOROBENZOL	X		X	X	X	X	X	X	E	X	X	E		X	E	G
ORTHOXYLENE	X	C	C	X	C	X	X	X	G	X	X	E		X	E	E
OXALIC ACID	E	X	E	E	X	C	G	G	G	G	E	E	E	C	E	C
OXYDIETHANOL		E														
OZONE	G		E	E	C	X	C	X	C	X		E	C	E	E	C
PAINT THINNER	X		X	X		X	X	X	G	X		E	E	X	G	E
PALMITIC ACID	G	G	G	C	E	E	G	E	C	B	E	E	E	E	E	G
PAPERMAKERS ALUM	E			E		E	E	E				E	G		E	
PARA METHOXYPROPENYL BENZENE	X	X		X		X			G			E			G	
PARA-DICHLOROBENZENE	X		X	X		X	X	X		X		E		X	E	G
PARAFFIN WAX	X		X	X		X	G	E		E			E	G	E	X
PARALDEHYDE	E		E	X		C	C	C				E			X	E
PARAXYLENE	X		X	X		X	X	C				E		C	E	E

* Refer to Safety & Technical Data, page 156.

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
PCB												E			E	
P-CYMENE	X	X	X	X		X	X	X		X		E	E	X	E	E
PELARGONIC ALCOHOL	E			E		E		E				E			G	E
PENTACHLOROETHANE	X			X		X	X	X				E			E	E
PENTADIONE		G														
PENTAMETHYLENE	X		X	X		X	E	G				E			E	
PENTANE	X		X	C	G	X	C	E	G	X		E	G	C	E	G
PENTANOL	E		E	E		E	E	E				E		C	G	
PENTANONE	G		G	X		X	X	X				E			X	E
PENTASOL	E		E	E		E	E	G		G		E		X	G	E
PENTYL ACETATE	G		E	X	C	X	X	X	G	X	X	E		X		
PENTYL ALCOHOL	E	E	E	E	E	E	E	G	E	E	E	E		X	E	
PENTYL BROMIDE												E			G	
PENTYL CHLORIDE	X	C	X	X		X	X		E	X		E		C	E	G
PENTYL ETHER				C				C				E				
PENTYLAMINE	G		X	C		C	X	C				E			X	
PERCHLORIC ACID-2N	G		G	G	X	X	G	X	X	X	X	E		X	E	E
PERCHLOROETHYLENE	X	C	X	X	X	X	X	C	C	X	X	E	G	X	E	G
PERCHLOROMETHANE	X					X	X	X				E				
PETROLEUM CRUDE	X		X	G	C	X	G	E	G	X		E	E	E	E	E
PETROLEUM ETHER	X		X	X		X	C	E	E	X		E		G	E	E
PETROLEUM OILS	X	G	X	G	E	X	G	E	G	X	C	E	E	G	E	E
PHENBO													E	X		
PHENOL	G			X	X	X	X	X	X	X	X	E	E	X	E	E
PHENOLSULFONIC ACID	C			X		X		X				E	G	G	X	G
PHENYLAMINE	E		G	X		X	X	X				E		C	E	
PHENYLBROMIDE	X		X	X		X	X	X				E		X	G	
PHENYLBUTANE		C														
PHENYLCHLORIDE	X		X	X		X	X	X				E		X	E	E
PHENYLETHYLENE	X		X	X	X	X	X	X		X		E		C	G	
PHENYLMETHANE	X		X	X		X	X	X				E		X	E	
PHENYLMETHANOL	G		G	G	C	X	X	X	C	X	X	E	E	X	E	E
PHENYLMETHYL ACETATE	E			G		X						E	E		X	E
PHOSPAHTE ESTERS	E	G	E	X	C	X	X	X	E	X	E	E		X	C	
PHOSPHORIC ACID 10%	G	X	E	E			E	E	E	G	E	E	E	E	E	E
PHOSPHORIC ACID 10% - 85%	G	X	E	E	X	G	E	X	C	G		E	E	C	E	E
PHOSPHORUS TRICHLORIDE ACID	E		E	X		X	X	X		X		E			E	
PICRIC ACID, H2O SOLUTION	C	X	C	E	X	C	C	C	X	G	X	C		G	E	
PINE OIL	X		X	X		X	X	G		X		E	E	E	E	E
PINENE	X		X	X		X	X	G		X		E	E	G	E	E
POLY CHLORINATED BIPHENOL												E			E	
POLYETHYLENE GLYCOL E-400	E	E		E		E				E			E		E	
POLYOL ESTER					X		G		G					X		
POLYPROPYLENE GLYCOL	E			E		E		E				E			E	
POTASSIUM ACETATE	E		E	C		E	G	G	G	X		E	E	X	C	E
POTASSIUM BISULFATE	E		E	E		E	E	E	G	G		E	E		E	E
POTASSIUM BISULFITE	E		E	E		E	E	E	G	G		E	E	E	E	
POTASSIUM CARBONATE	E		E	E	X	E	E	E	C	E		E	E	C	E	E
POTASSIUM CHLORIDE	E	G	E	E	G	E	E	E	E	E		E	E	E	E	
POTASSIUM CHROMATE	G		E	C		G	E	E	G	G		E	G	G	E	G
POTASSIUM CYANIDE	E	G	E	E	G	E	G	E	E	E		E	E	E	E	E
POTASSIUM DICHROMATE	E	X	E	E		C	E	E	G	G		E	G	G	E	G
POTASSIUM HYDRATE	E		G	E		G	G	G	G	G		E		G	C	E
POTASSIUM HYDROXIDE	G	X	E	E	C	G	G	G	G	G	G	E	G	C	G	E
POTASSIUM NITRATE	E		E	E	G	E	E	E	G	E		E	E	E	E	E
POTASSIUM PERMANGANATE, 5%	E		E	G	X	E	E	C	X	G		E	E	X	E	
POTASSIUM SILICATE	E		E	E		E	E	E	G	E		E		E	E	E
POTASSIUM SULFATE	E		E	E	G	E	E	E	E	G		E	E	E	E	E
POTASSIUM SULFIDE	E		E	E		G	E	E	E	G		E	E	E	E	
POTASSIUM SULFITE	E		E	E		G	E	E	E	G		E		E	E	E
PRESTONE ANTIFREEZE	E	G	E	E	G	E	C	E	G	E	E	E		X	E	
PRODUCER GAS	X		X	G		X	G	E		X		E		E	E	
PROPANEDIOL	C		E	E		E	C	E		E		E		G	E	
PROPANETRIOL	E	E	E	E	E	E	E	E	G	E	X	E		C	E	
PROPANOL	E		E	E		E	E	E		E	E	E		X	E	E
PROPANOLAMINE		E														
PROPANONE	E	G	E	X	C	C	X	X	E	C	E	E		X	X	
PROPEN-1-OL	E		E	E		E	E	E				E	E		G	E
PROPENEDIAMENE		E														
PROPENENITRILE	X					G	X	X				E				
PROPENYL ALCOHOL	E		E	E		E	E	E				E	E		G	E
PROPENYLANISOLE	X			X		X		X				E			G	
PROPIONIC ACID	E		E	G		E	C	C		X		E		X	X	E
PROPIONITRILE	E		E			E	G	X			X	E			X	
PROPYL ACETATE	G		E	X		X	X	X		X		E	E	X	X	E
PROPYL ALCOHOL	E		E	E		E	E	E		E	E	E	E	X	E	E
PROPYL ALDEHYDE	G			X		C		X				E	E		X	E
PROPYL BENZENE		C														
PROPYL CHLORIDE	C			X		X		X				E	E		G	E
PROPYL ETHER		E														
PROPYL NITRATE	G		G	X		X	X	X		X		E		X	X	
PROPYLENE	X		X	X		X	X	X		X		E		X	E	
PROPYLENE DIAMINE	E			C		G		G				E				
PROPYLENE GLYCOL	C		E	E		E	C	E		E		E	E	G	E	
PYDRAUL, 'E' SERIES	G		G	X	G	X	X	X	G	X		E	E	X	E	E
PYDRAULIC 'C'	X		X	X	C	X	X	X	E	X	E	E		X	E	
QUINTOLUBRIC 822 SERIES	X		X			X	X	G							G	
RED OIL	X	X	C	G	E	X	C	E	E	X		E		G	E	
REFRIGERANT 11	X		X	E	E	X	X	G		X		E		C	C	
REFRIGERANT 12	C	C	C	E	E	C	E	E	G	E	X	E		E	G	C
REFRIGERANT 22	X	C	E	E	X	C	E	X	G	E	X	E		X	C	C
RESORCINOL			G		X		X		X	G	X	E		X	E	
SAE NO. 10 OIL	X	G	X	X	E	X	C	E	E	X	X	E		E	E	

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
SAL AMMONIAC	E	G	E	E	E	E	E	E	C	E		E		G	E	
SEA WATER	E		E	E	E	E	G	E	E	E	E	E	E	C	E	E
SEWAGE	G		E	E	G	G	G	E	E	G	G	E	E	X	E	E
SILICATE ESTERS	C		X	G	C	X	E	G	G	X		E		E	E	
SILICATE OF SODA	E		E	E		E	E	E				E			E	E
SILICONE GREASE	E		E	E	E	E	E	E	E	E		E		E	E	
SILICONE OIL	E		E	E	G	C	E	E	E	E		E	E	E	E	
SILVER NITRATE	E		E	E		E	E	G	E	E		E	E	E	E	E
SKYDROL 500 TYPE 2	G	G	E	X	G	X	X	X	G	X	E	E		X	X	
SKYDROL 500B	G	G	E	X	E		X		E		E	E		C	X	
SKYDROL 500C	G	G		X	E		X					E			X	
SKYDROL 7000 TYPE 2	E	G	E	X	X	X	X	X	E	X		E		X	G	
SOAP SOLUTIONS	G	G	E	E	E	G	G	E	E	G	E	E	E	E	E	E
SODA ASH	E	G	E	E	G	E	E	E	G	E		E	E	G	E	E
SODA LIME	E		E	G		E	G	G				E	E	C	G	E
SODA NITER	E	G	E	E	G	G	G	G	E	G		E		G	E	E
SODA, CAUSTIC	E	C	E	E	C	G	E	C	G	E	C	E	E	G	X	E
SODIUM ACETATE	E		E	C		E	G	G	G	X		E	E	X	X	E
SODIUM ALUMINATE	E		E	E		G	E	E	G	G		E	E		E	E
SODIUM BICARBONATE	E		E	E	G	E	E	E	E	E		E	E	E	E	E
SODIUM BISULFATE	E	X	E	E	C	E	E	G	C	G		E	E	E	E	E
SODIUM BISULFITE	E		E	E	G	E	E	E	E	G		E	E	E	E	C
SODIUM BORATE	E		E	E	G	E	E	E	E	E		E	E	G	E	E
SODIUM CARBONATE 10% - 15%	G	G	E	E	G	E	E	E	G	E		E	E	G	E	E
SODIUM CHLORIDE	G	G	E	E	E	E	E	E	G	E	C	E	E	E	E	E
SODIUM CYANIDE	E	G	E	E	G	E	E	E	E	E		E	E	G	E	E
SODIUM DICHROMATE	E		C	G		X	C	E	G	G		E	E	G	C	G
SODIUM HYDRATE	E		E	G		E	G	G	G	G		E		C	G	E
SODIUM HYDROCHLORITE	G		G	E		C	C	G	G	G		E		C	E	G
SODIUM HYDROXIDE (CAUSTIC SODA)	E	C	E	E	C	E	G	C	G	G	C	E	E	C	C	E
SODIUM HYPOCHLORITE	G	X	G	G	C	X	C	X	X	C	C	E	E	C	C	G
SODIUM METAPHOSPHATE	G		E	G		E	G	E	E	E		E	E	G	E	E
SODIUM NITRATE	E	G	E	E	G	G	G	G	E	G		E	E	G	E	E
SODIUM PERBORATE	E	X	E	G	G	G	G	G	E	G		E	E	G	E	E
SODIUM PEROXIDE	E	X	E	G	G	G	G	G	X	G		E	E	X	E	E
SODIUM PHOSPHATE	E		E	E	G	E	C	E	C	E		E	E	E	E	E
SODIUM SILICATE	E	G	E	E	G	E	E	E	E	E		E	E	G	E	
SODIUM SULFATE	E	G	E	E	G	G	E	E	E	G		E	E	E	E	E
SODIUM SULFIDE	E	G	E	E	G	G	E	E	E	G		E		E	E	E
SODIUM SULFITE	E		E	E		G	E	E	E	G		E	E	E	E	E
SODIUM THIOSULFATE	E		E	E		E	E	E	G	G		E	E	E	E	E
SOYBEAN OIL	C	G	X	E	G	X	E	E	E	X		E	E	G	E	E
STANNIC CHLORIDE	G	X	E	C	G	G	C	E	C	E		E	E	G	E	E
STANNIC SULFIDE	E			E		E		E				E				E
STANNOUS CHLORIDE	G		C	E	G	E	E	E	C	E		E	E	C	E	
STANNOUS SULFIDE	E			E		E		E				E				E
STEARIC ACID	G	G	G	C	G	C	G	E	E	G	E	E	E	E	E	E
STODDARD SOLVENT	X	G	X	X	E	X	C	E	E	X	X	E	E	G	E	E
STYRENE MONOMER	X		X	X	X	X	X	X		X		E	G	C	G	G
SULFAMIC ACID	E		X	E		G	G	C				E		X	E	C
SULFUR	F		F	F		X	X	X		X		E	E		G	X
SULFUR CHLORIDE	X	G	X	C	C	X	C	C	C	X		E	E	C	E	E
SULFUR DIOXIDE	G		E	C	X	C	X	X	X	C		E	G		E	C
SULFUR TRIOXIDE, DRY	G		G	C	X	C	X	X		X		E	X	G	E	G
SULFURIC ACID 60% (200F)	X	X	X		X		X	X	X	X			X		C	X
SULFURIC ACID, 25%	G	X	E	E	E	G	E	E	X	G	E	E	E	X	E	E
SULFURIC ACID, 25% - 50%	G	X	E	G	G	G	E	E	X	G		E	E	X	E	E
SULFURIC ACID, 50% - 96%	X	X	G	C	X	X	C	C	X	X		E	E	X	E	E
SULFURIC ACID, CONC. TO 98%	X	X	X	X	X	X	X	X	X	X		E	E	X	G	E
SULFURIC ACID, FUMING	X	X	X	X	X	X	X	X	X	X		E	X	X	G	X
SULFUROUS ACID, 10%	E	X	E	E	C	G	G	C	C	G		E	E		E	E
SULFUROUS ACID, 10% - 85%	E	X	G	E	C	G	C	C	X	C		E	E	X	G	E
SUTAN												E			F	E
TALL OIL	X		X	C		X	C	E		X		E	E	E	E	C
TALLOW	G		E	C		C	G	E		X		E	E	E	E	C
TANNIC ACID	E	X	E	E	G	E	E	E	G	G	E	E	E	E	E	E
TAR, BITUMINOUS	X	G	X	C	G	C	C	G	G	X		E		G	E	
TAR, CAMPHOR	X	C	X	X	C	X	X	X	G	X	C	E	X	G	E	X
TARTARIC ACID	G	X	C	E	G	E	E	E	E	G	E	E	E	E	E	E
T-BUTYL AMINE			G	X												
TELONE 2																E
TERPINOL	C	E	C	X		X	X	G		X		E	G	G	E	G
TERTIARY BUTYL ALCOHOL	G		G	G		G	G	G		G		E	E	X	E	E
TERTIARY BUTYL AMINE			G	X												
TERTIARY BUTYL MERCAPTAN	X		X	X		X	X	X		X		E		X	E	
TETRACHLOROBENZENE	X			X		X		X				E		G	G	G
TETRACHLOROETHANE	X		X	X		X	X	X		X	C	E	C	X	E	
TETRACHLOROETHYLENE	X		X	X		X	X	C	C	X		E	G	X	E	E
TETRACHLOROMETHANE	X		X	X		X	X	X				E		C	E	E
TETRACHLORONAPHTHALENE	X			X		X		X				E			G	G
TETRAETHYLENE GLYCOL	E			E		E		E				E			E	
TETRAETHYLORTHOSILICATE	E					X	X	X				E				
TETRAHYDROFURAN	G		X	X	C	X	X	X	G	X	X	E	G	X	X	X
THF	G		X	X	C	X	X	X	G	X	X	E	G	X	X	X
TIN CHLORIDES	G		E	E		E	C	E				E	E	G	E	E
TITANIUM TETRACHLORIDE	X		X	X		X	X	C		X		E	G	X	E	
TOLUENE	X	C	X	X	C	X	X	X	E	X	X	E	E	X	E	E
TOLUIDINE	X			X		X		X				E			G	
TOLUOL	X	C	X	X	C	X	X	X	E	X	X	E		X	E	
TRANSFORMER OIL	X		X	C		X	G	E		X		E	E	E	E	
TRANSMISSION 'A' OIL	X		X	G	G	X	G	E	G	X		E		E	E	F
TRI (2-HYDROXYETHYL) AMINE	G		E	E	X	G	X	C		G		E		X	X	
TRIBUTYL AMINE	E			C		G		G				E				

Chemical or Material Conveyed	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
TRIBUTYL PHOSPHATE	G		E	X	C	C	X	X	G	X		E	E	X	X	E
TRICHLOROACETIC ACID	G		G	C	X	C	X	C	X	X		E	E	X	X	E
TRICHLOROBENZENE	X			X		X	X	X		X		E		X	G	
TRICHLOROETHANE	X		X	X		X	X	X	X	X		E		X	E	
TRICHLOROETHYLENE	X	C	X	X	X	X	X	X	C	X	X	E	G	X	E	G
TRICHLOROMETHANE	X	X	X	X	X	X	X	X	C	X	X	E		X	E	
TRICHLOROTOLUENE								X				E				
TRICRESYL PHOSPHATE	E		E	X	C	C	C	X	G	X		E	E	X	E	E
TRIETHANOLAMINE	G		E	E	X	G	X	C		G		E	E	X	X	E
TRIETHYLAMINE	C		E			G	G	E		X		E		X	E	
TRIETHYLENE GLYCOL	E			E		E		E				E			E	
TRIHYDROXYBENZOIC ACID	G		G	G	X	E	G	G	G	G		E		X	E	
TRIMETHYL PENTANES (MIXED)	X	E	X	C	E	X	C	E	E	X	X	E		G	E	
TRIMETHYL PENTENE		E														
TRIMETHYLAMINE		E										E	E			E
TRISODIUM PHOSPHATE	E		E	E	E	E	E	E	E	E		E		E	E	E
TRITOYL PHOSPHATE	E		E	X	C	X	X	X	G	X		E		X	E	
TUNG OIL	X	C	X	E	G	X	E	E	G	X		E	E	C	E	E
TUNG OIL (CHINA OIL)	C	C	X	E	G	X	E	E	G	X		E	E	C	E	E
TURPENTINEX	X	G	X	X		X	X	X	E	X	X	E	G	E	E	G
UDMH	E		E	E		E	G	G		X		E		X	X	
UNDECYL ALCOHOL	E			E		E		E				E			G	
UREA	E		E	E	G	E	G	G	E			E	E	G	E	E
URETHANE FORMULATIONS								E	E			E				
URIC ACID					X				G		E	E		X		
VARNISH	X	C	X	X		X	X	G	E	X		E		C	E	
VEGETABLE OILS	C		C	G		X	C	E	G	X		E	E	E	E	E
VERSILUBE F44	E		E	E		E	E	E	E	E		E		E	E	
VERSILUBE F55	E		X	E		E	E	E	E	E		E		E	E	
VINEGAR	E		E	E	C	G	G	G	E	G		E	X	C	E	X
VINEGAR ACID		G														
VINYL ACETATE	E		G	C		X	X	X		X		X	E	X	E	E
VINYL BENZENE	X		X	X	X	X	X	X		X		E	E	C	G	G
VINYL CHLORIDE (GAS)	X		G			G						E	E			E
VINYL CYANIDE	X	E	X	C		C	C	X	E	C	X	E		X	C	
VINYL ETHER	X			G		X		G				E	E		X	E
VINYL STYRENE	X			X		X				X		E	E		E	E
VINYL TOLUENE	X			X		X		X				E	E		E	E
VINYL TRICHLORIDE	X			X		X	X	X				E	E		E	E
VITAL, 4300, 5310			X					X	E			E				
VM&P NAPHTHA	X		X	X		X	C	C				E			E	X
WATER	E	G	E	E	E	E	G	E	E	G	E	E	E	E	E	E
WATER, BOILING	E		E	E	C		G	G	X	G	G	G	X	G	G	X
WATER, SODA					E				E		E	E				
WEMCO C	X		X	X		X	G	E		X				E	E	
WHISKEY	E		E	E	G	E	E	E	E	E		E	X	X	E	X
WHITE OIL	X		X	X		X	G	E		X		E	E	E	E	X
WHITE PINE OIL	X		X	X		X	X	G		X					E	
WINES	E		E	E	G	E	E	E	E	E		E	X	X	E	X
WOOD ALCOHOL	E		E	E		E	E	E		E		E	E	X	C	E
WOOD OIL	C		X	C	G	X	G	E	G	X		E	E	C	E	E
XENON	E		E	E		E	E	E		E		E		E	E	
XYLENE, XYLOL	X	C	X	X	C	X	X	X	G	X	X	E	E	C	E	G
XYLIDINE	G		C	X		X	X	C		X		E	G		C	G
ZEOLITES	E		E	E		E	E	E		E					E	
ZINC ACETATE	E		E	C		E	G	G		X		E		X	C	
ZINC CARBONATE	E		E	E		E	E	E				E	E	E	E	E
ZINC CHLORIDE	E	X	E	E	E	E	E	E	E	E		E	E	G	E	E
ZINC CHROMATE	E			C								E				G
ZINC SULFATE	E	X	E	E	C	E	E	E	X	G		E	E	G	E	E

DYNAFLEX® PVC Hose
Chemical Resistance Chart

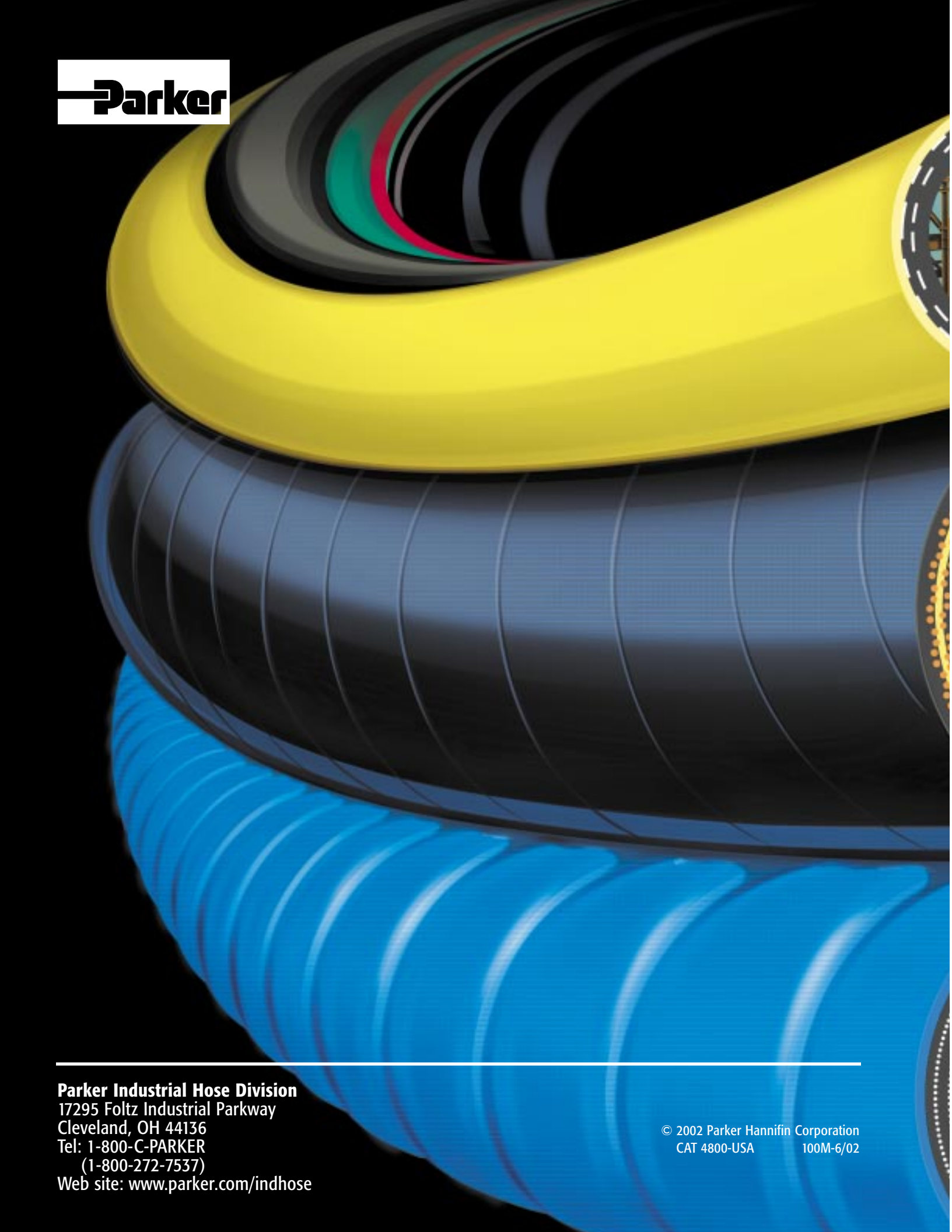
Key:

A	=	Satisfactory
C	=	Questionable–Suggest Testing
U	=	Unsatisfactory
– (Blank)	=	No Data

Chemical	Concentration	Temperature 68ºF	Temperature 140ºF
Acetate Solvents		U	U
Acetic Acid	10%	A	C
Acetic Acid	Glacial	C	U
Acetone		U	U
Acrylonitrile		A	C
Adipic Acid		A	C
Alcohol Butyl		A	C
Alcohol Ethyl		A	C
Alcohol Isopropyl		A	C
Alcohol Methyl		A	C
Aluminum Acetate		A	–
Aluminum Chloride		A	A
Aluminum Hydroxide		A	–
Aluminum Sulfate		A	A
Allyl Chloride		–	–
Ammonia	0.88 S.G. Aqueous	A	A
Ammonia	Dry Gas	A	–
Ammonia	Liquid	U	U
Ammonium Chloride		A	A
Ammonium Hydroxide		A	–
Animal Oils		–	–
Amyl Acetate		U	U
Aniline Oils		–	–
Aromatic Hydrocarbons		U	U
Asphalt		U	U
ASTM Fuel A		C	C
ASTM Fuel B		U	U
ASTM #1 Oil		–	–
ASTM #3 Oil		–	–
Barium Chloride		A	A
Barium Hydroxide		A	A
Barium Sulfide		A	A
Benzene		U	U
Benzine		C	C
Bordeaux Mixture		A	A
Borax		A	A
Boric Acid		A	A
Brine		A	A
Bromine Traces		U	U
Butyl Acetate		U	U
Calcium Hydroxide		A	A
Calcium Hypochlorite		A	A
Carbonic Acid		C	U
Carbon Dioxide		A	A
Carbon Disulphite		U	U
Carbon Monoxide		A	A
Carbon Tetrachloride		U	U
Casein		A	C
Chlorine	Dry Gas	A	A
Chlorine	Wet Gas	A	A
Chlorine	Water	U	U
Chlorobenzene		U	U
Chlorinated Hydrocarbons		U	U
Chloroform		U	U
Chromic Acid	10%	A	C
Citric Acid		A	A
Coal Tar		U	U
Copper Chloride		A	A
Copper Nitrate		A	A
Copper Sulphate		A	A
Cottonseed Oil		–	–
Creosote		U	U
Cresol		A	C
Cresylic Acid		U	U
Cyclohexane		A	C
Cylohexanone		U	U
DDT Weed Killer		A	C
Detergent Synthetic		A	A
Developers Photographic		A	A
Dextrin		A	A
Dextrose		A	A
Dibutyl Phthalate		U	U
Dichlorobenzene		U	U
Diesel Oil		–	–
Diethylene Glycol		A	A
Diethyl Ether		U	U
Di-isodecyl Phthalate		U	U
Dicotyl Phthalate		U	U
Emulsifiers		A	A
Emulsions Photographic		A	A
Ethyl Acetate		U	U
Ethylene Dichloride		U	U
Ethylene Glycol		A	A
Fatty Acid		A	A
Ferric Chloride		A	A
Ferric Sulphate		A	A
Ferrous Chloride		A	A
Ferrous Sulphate		A	A
Fixing Solution Photographic		A	A

Chemical	Concentration	Temperature 68ºF	Temperature 140ºF
Fluorine		U	U
Formaldehyde	40%	U	U
Formic Acid	40%	A	A
Formic Acid	50%	C	U
Formic Acid	100%	U	U
Fuel Oil		–	–
Glacial Acetic Acid		C	U
Glucose		A	A
Glycerine		A	A
Grape Sugar		A	A
Grease		–	–
Heptane		C	U
Hexane		C	U
Hydrobromic Acid		A	A
Hydrochloric Acid	10%	A	A
Hydrochloric Acid	40%	A	U
Hydrofluoric Acid	10%	A	C
Hydrofluoric Acid	40%	A	U
Hydrofluoboric Acid		A	A
Hydrofluosilicic Acid		A	A
Hydrogen Peroxide		A	–
Hydrogen Sulphide		A	–
Iso-octan		A	C
Isopropyl Acetate		U	U
Kerosene		C	C
Ketones		U	U
Lactic Acid	10%	A	–
Lactic Acid	100%	U	U
Lacquer Solvents		C	U
Linseed Oil		–	–
Lubricating Oils		–	–
Magnesium Chloride		A	A
Magnesium Hydroxide		A	A
Magnesium Sulphate		A	A
Malic Acid		A	A
Methyl Acetate		U	U
Methyl Bromide		U	U
Methyl Ethyl Ketone		U	U
Methylene Chloride		U	U
Mineral Oils		–	–
Monochlorobenzene		U	U
Naptha		C	U
Napthalene		U	U
Natural Gas*		U	U
Nitric Acid	10%	A	A
Nitric Acid	40%	A	C
Nitric Acid	70%	U	U
Nitrobenzene		U	U
Nitrogen Fertilizers		A	–
Oleic Acid		A	C
Oxalic Acid		A	A
Palmitic Acid		A	A
Paraffin		A	A
Pentane		C	U
Perchloroethylene		U	U
Phenol		C	U
Phosphoric Acid		A	A
Pitch		A	C
Potassium Hydroxide		A	A
Propane		A	A
Sea Water		A	A
Sodium Hydroxide (Caustic Soda)	10%	A	A
Sodium Hydroxide (Caustic Soda)	50%	A	U
Sodium Cyanide		A	A
Soybean Oil		–	–
Stearic Acid		A	A
Styrene		U	U
Sulphur Dioxide	Dry	A	A
Sulphur Dioxide	Moist	C	U
Sulphur Dioxide	Liquid	U	U
Sulphuric Acid	45%	A	A
Sulphuric Acid	60%	C	C
Sulphuric Acid	98%	U	U
Sulphurous Acid	30%	A	–
Tannic Acid		A	A
Tartaric Acid		A	A
Tetrahydrofuran		U	U
Toluene		U	U
Trichlorethylene		U	U
Triethanolamine		A	A
Tricresyl Phosphate		U	U
Turpentine		C	U
Urea		A	A
Vinegar		A	A
Vinyl Acetate		U	U
Vinyl Chloride		U	U
Water		A	A
Xylene		U	U
Zinc Chloride		A	A
Zinc Sulphate		A	A

* Refer to Safety & Technical Data.



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