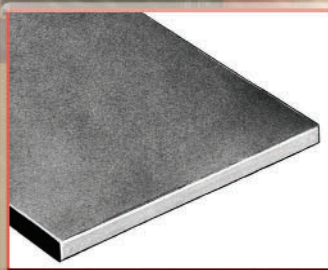




# JASON

HOSE, COUPLINGS,  
ACCESSORIES &  
SKIRTBOARD





## **TERMS, CONDITIONS AND LIMITED WARRANTY OF SALE**

All prices, terms and conditions of sale are subject to change without prior notice. Buyer agrees to all terms and conditions of seller upon the placement of any and all purchase orders.

### **GENERAL**

- All orders are subject to a minimum charge of \$100.00.
- All claims must be made within seven (7) days of receipt of merchandise.
- The company reserves the right at all times to reject any and all orders for any reason.

### **PAYMENT TERMS**

- Net 30 days (to approved and qualified accounts).
- We reserve the right to hold shipments against past due accounts.
- Seller may require full or partial payment in advance if, in its sole judgement, the financial condition of the buyer does not justify the terms specified.
- All past due accounts are subject to a late payment charge of 1.5% per month, or maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees.
- Returned checks are subject to a minimum \$50.00 charge.

### **FREIGHT TERMS**

- All shipments will be made F.O.B. shipping point.
- No freight allowance on straight lengths of any 8", 10" and 12" suction hose. However, the dollar value can be used to obtain paid freight on other ordered items.
- Freight prepaid on \$3,000 on all combined products of *Jason Industrial, Inc.*, including all industrial rubber products, all PVC hose, and all couplings and accessories to destinations within the continental U.S.
- Freight Prepaid on \$1,000 net on all couplings only.
- Orders with different numbers and dates may not be combined to make freight allowance.
- Prepaid orders requiring immediate delivery that must be shipped from different *Jason* locations may be subject to a freight surcharge. Such determination will be made at the time of order.
- Backorders will be shipped in the most practical fashion with charges consistent with our freight policy established with the original order.

### **ACCEPTANCE, ALTERATION AND CANCELLATION OF ORDERS**

Orders for other than standard items or standard lengths may not be cancelled after purchase has been committed, production scheduled or any costs incurred.

### **RETURN OF DEFECTIVE MERCHANDISE**

Defective or failed material to be held at the buyer's premises until authorization has been granted by seller to return or dispose of merchandise. Merchandise to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon our inspection based on prices at time of purchase.

### **MERCHANDISE SHIPPED IN ERROR**

Buyer must notify seller immediately on any merchandise shipped in error. Upon notification, merchandise is to be returned to seller either via truck on a Freight Collect basis, via carrier of our choice, or via UPS on a Freight Prepaid basis. Buyer will be reimbursed for cost of merchandise, plus any additional freight which may have been incurred due to shipping error.

### **MERCHANDISE ORDERED IN ERROR**

Standard packaged merchandise only may be returned, provided that the merchandise is in the original buyer's possession not more than 30 days. If merchandise is accepted for return, merchandise must be returned Freight Prepaid, and buyer will be charged a minimum of 15% rehandling charge, plus a chargeback for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any merchandise that is specifically manufactured to meet the buyer's requirement of either specifications or large quantity.

### **DELIVERY, DAMAGES, SHORTAGES**

Delivery to the initial common carrier shall constitute the delivery to the buyer. Our responsibility, insofar as transportation risks are concerned, ceases upon the delivery of the merchandise in good condition to such a carrier, and all the merchandise shall be shipped at the buyer's risk.

### **GOODS DAMAGED IN SHIPMENT**

Upon receipt of shipment, any evidence of damage to original shipping package must be reported by the receiving party and a claim made with the delivering carrier upon receipt of shipment.

### **CONCEALED DAMAGE**

Any evidence of damage to material shipped, upon the opening of the original shipping package, must be reported by the receiving party to and a claim made with the delivering carrier without delay.

## **LIMITED WARRANTY**

The merchandise or products sold or distributed by Jason Industrial, Inc. are warranted to our customers to be free from defects in material and workmanship at the time of shipment by us. All warranty claims shall be made within 90 days after we have shipped the merchandise. Our liability hereunder is limited to the purchase price of any merchandise proved defective, or, at our option, to the replacement of such merchandise upon its authorized return to us.

**THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANT ABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS.**

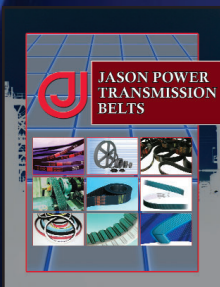


# Jason Industrial®

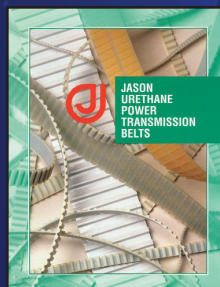
1958 **50<sup>th</sup>** ANNIVERSARY 2008



## MEGADYNE



**Power Transmission Belts Catalog JB-8**



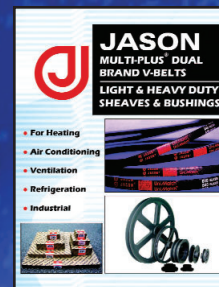
**Urethane Power Transmission Belts Catalog UB-4**



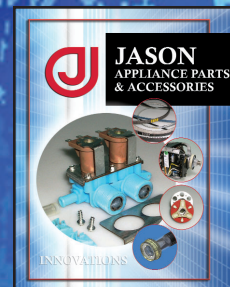
**Industrial Hose, Couplings, Accessories & Skirtboard Catalog HC-8**



**Accu-Link® Belts**



**Multi-Plus Dual Brand V-Belts / Sheaves & Bushings Catalog MPSB-1**



**Appliance Parts & Accessories Catalog APPL-2**



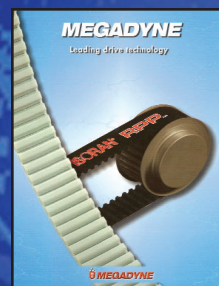
**Tiger Horsepower Synchronous Belts Supplement**



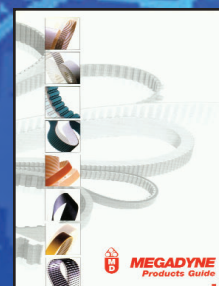
**Lawn & Garden Belts Catalog LG-1008**



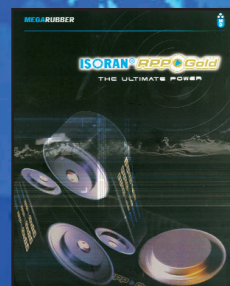
**Flexonic® Self-Tensioning Belt**



**Megadyne Corporate Brochure**



**Megadyne Products Guide**



**Megadyne RPP Gold Belting**



**Fairfield, NJ**



**Carol Stream, IL**



**Tampa, FL**



**Megadyne America - Charlotte, NC**



**S.J.M. Belting - Wuxi, China**



**TBMC - Greenville, SC**

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- Irving, Texas
- Sorocaba - Sao Paulo Brazil
- Dorval, Quebec Canada
- Mississauga, Ontario Canada
- Edmonton, Alberta Canada
- Azcapotzalco, Mexico

**Contact Jason Industrial for additional information. Visit us online at [www.jasonindustrial.com](http://www.jasonindustrial.com)**



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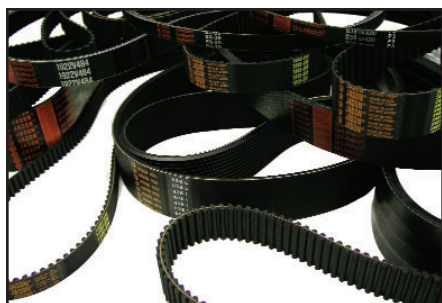
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## Jason Industrial Also Offers a Full Line of Belting!



- Synchronous Neoprene Timing Belts
- Urethane Belts
- Variable Speed V-Belts
- Metric Belts
- Multi-Rib V-Belts
- Double Multiple V-Belts
- MXV Super Duty Belts
- 400 Flat and Neoflex Belts


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**50<sup>th</sup> ANNIVERSARY**





## GENERAL INFORMATION

## Organizations Having Regulations or Specifications for Hose

## U.S. Government Agencies

<b>DOD</b>	Department of Defense
<b>DOT</b>	Department of Transportation
<b>FDA</b>	Food and Drug Administration
<b>MSHA</b>	Mine Safety and Health Administration
<b>NHTSA</b>	National Highway Traffic Safety Administration
<b>OSHA</b>	Occupational Safety & Health Administration
<b>PHA</b>	Public Health Administration
<b>USCG</b>	U.S. Coast Guard
<b>USDA</b>	U.S. Department of Agriculture

## Canadian Agencies and Organizations

<b>CGA</b>	Canadian Gas Association
<b>CGSB</b>	Canadian Government Specifications Board
<b>RAC</b>	Rubber Association of Canada
<b>CSA</b>	Canadian Specifications Association

## Other Organizations

<b>ABS</b>	American Bureau of Shipping
<b>ANSI</b>	American National Standards Institute
<b>API</b>	American Petroleum Institute
<b>ASTM</b>	American Society for Testing and Materials
<b>BIA</b>	Boating Industry Association
<b>BSI</b>	British Standards Institute
<b>CARB</b>	California Air Resource Board
<b>CGA</b>	Compressed Gas Association
<b>DIN</b>	Duetsches Institut for Normung - German Standards
<b>DNV</b>	Det Norske Veritas
<b>EN</b>	European Norms
<b>FM</b>	Factory Mutual Research
<b>FPS</b>	Fluid Power Society
<b>ISO</b>	International Organization for Standardization
<b>JIC</b>	Joint Industrial Council (now defunct)
<b>JIS</b>	Japanese Industrial Standards
<b>NAHAD</b>	National Association of Hose and Accessories Distributors
<b>NFPA</b>	National Fire Protection Association National Fluid Power Association
<b>RMA</b>	Rubber Manufacturers Association
<b>SAE</b>	Society of Automotive Engineers
<b>TFI</b>	The Fertilizer Institute
<b>UL</b>	Underwriters Laboratories

## RMA Oil Resistance Data

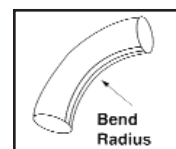
The effects of oil on rubber depend on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and the length of exposure. The RMA (Rubber Manufacturer's Association) has developed a classification of hose performance based on simple immersions in ASTM No. 3 oil (High Swell) at 212° F for 70 hours. Oil resistance classifications for rubber stocks are shown in the table below.

## Hose Physical Properties After Exposure to Oil

Classification	Volume Change MAX.	Tensile Strength Retained
<b>Class A</b> (High Oil Resistance)	+25%	80%
<b>Class B</b> (Medium-High Oil Resistance)	+65%	50%
<b>Class C</b> (Medium Oil Resistance)	+100%	40%

## Minimum Hose Bend Radius Data (MBR)

The Bend Radius is the radius of the bent section of a hose measured to the innermost surface of the curved portion. It is important because the minimum bend radius is the maximum amount the hose can be bent without being kinked or damaged.



## General formula to determine bend length:

Angle of Bend x  $2\pi$  = minimum length of hose to make bend  
 $\frac{360^\circ}{r}$  = given bend radius of the hose

**Example:** to make a 90° bend with a hose with a 2" I.D.

$$\frac{90^\circ}{360^\circ} (2 \times 3.14 \times 4.5)$$

$$.25 \times 2 \times 3.14 \times 4.5 = 7 \text{ inches}$$

7 inches is the minimum length the hose can be bent without damaging it. Remember that the bend should take place over the entire minimum length and not a portion of it. In addition, the formula does not mean that 7 inches will be long enough to meet application needs. It only means that if the 90° bend takes place in less than 7 inches, the hose could be damaged.

• Reprinted with permission from the Rubber Manufacturers Association (RMA) Hose Handbook, RMA/IP-2/2003

## COMMONLY USED RUBBER COMPOUNDS

ASTM Designation	Common Name	Composition	ASTM Designation	Common Name	Composition
<b>D1418</b>			<b>D1418</b>		
CM	CPE	Chlorinated Polyethylene	IIR	Butyl	Isobutylene-isoprene
CR	Neoprene*	Chloroprene	IR	Polyisoprene	Isoprene, synthetic
CSM	Hypalon	Chloro-sulfonyl-polyethylene	NBR	Buna N, Nitrile	Nitrile-butadiene
ECO	Hydrin	Ethylene oxide and Chloromethyl oxirane	NR	Natural	Isoprene - natural
EPDM	Ethylene Propylene Rubber	Ethylene Propylene Diene terpolymer	SBR	SBR	Styrene-butadiene
FKM	Fluoroelastomer Viton	Hexafluoropropylene vinylidene fluoride	UHMWPE	Ultra-High Molecular Weight Polyethylene	Polyethylene
			XLPE	Cross-linked Polyethylene	Polyethylene and cross-linking agent

\* DuPont registered trademark



## GENERAL INFORMATION

### I. Hose Selection

It is important to have all the required information to select the proper hose for any hose application. The acronym

"**STAMPED**" can be used to remember the required information as follows:

**Size** - Inside diameter (I.D.) and length. In some cases, the outside diameter (O.D.), also.

**Temperature** - Internal, external, minimum and maximum.

**Application** - What is the hose supposed to do?

**Material** - What type of product will be conveyed?

**Pressure** - What are the normal working and burst pressures?

**Ends** - Are couplings needed? What type, size and thread?

**Delivery** - When and where will it be needed? Special packaging required?



### II. Common Terms

Term	Definition	Term	Definition
<b>I.D.</b>	Inside diameter of hose opening	<b>Weight/ft.</b>	Weight per foot of hose
<b>O.D.</b>	Outside diameter of hose	<b>Bend Radius</b>	The minimum radius to which the hose will bend before it is damaged
<b>Max W.P.</b>	Maximum recommended working	<b>Standard Lengths</b>	The bulk length that the hose is stocked for distributors
<b>PSI</b>	Pressure in pounds per square inch		

### III. Thread Chart

Abbreviation	Seal	System Name	Compatible Thread
<b>GHT</b>	Washer	Garden Hose Thread	GHT to GHT only
<b>NST</b>	Washer	National Standard Thread (Fire)	NST to NST only
<b>NPSH</b>	Washer	National Pipe Straight Hose	Male NPSH to Female NPSH Female NPSH to Male NPSH or Male NPT
<b>NPT</b>	Thread to Thread	National Pipe Tapered	Male NPT to Female NPT or Female NPSH
<b>IPT</b>		Iron Pipe Thread (generic)	Need more information

**BECAUSE WE CONTINUALLY LOOK FOR WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS WITHOUT ADVANCE NOTICE.**

**LOOK FOR THESE NEW & POPULAR JASON PRODUCTS IN THIS CATALOG!**

4305



4504



4419



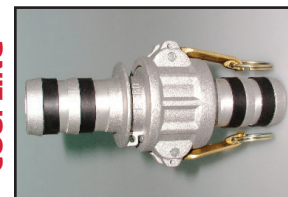
LOCKING  
LEVER PUMP  
COUPLINGS



4421



ANTI-LEAK  
ALUMINUM  
CAM LOCK  
COUPLING





## CARE, MAINTENANCE & STORAGE OF HOSE

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials. The periodic inspection and testing procedures described here provide a schedule of specific measures which constitute a minimum level of user action to detect signs indicating hose deterioration or loss of performance before conditions leading to malfunction or failure are reached.

General instructions are also described for the proper storage of hose to minimize deterioration from exposure to elements or environments which are known to be deleterious to rubber products. Proper storage conditions can enhance and extend substantially the ultimate life of hose products.

**SAFETY WARNING:** Failure to properly follow the manufacturer's recommended procedures for the care, maintenance and storage of a particular hose might result in the failure to perform in the manner intended and might result in possible damage to property and serious bodily harm.

### General Care and Maintenance of Hose

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hose should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as not to subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling the large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

### General Test & Inspection Procedures

An inspection and hydrostatic test should be made at periodic intervals to determine if a hose is suitable for continued service. A visual inspection of the hose should be made for loose covers, kinks, bulges, or soft spots which might indicate broken or displaced reinforcement. The couplings or fittings should be closely examined and, if there is any sign of movement of the hose from the couplings, the hose should be removed from service. The periodic inspection should include a hydrostatic test for one minute at 150% of the recommended working pressure of the hose. An exception to this would be the woven jacketed fire hose.\* During the hydrostatic test, the hose should be straight, not coiled or in a kinked position. Water is the usual test medium and, following the test, the hose may be flushed with alcohol to remove traces of moisture. A regular schedule for testing should be followed and inspection records maintained.

**Safety Warning:** Before conducting any pressure tests on hose, provision must be made to ensure the safety of the personnel performing the tests and to prevent any possible damage to property. Only trained personnel using proper tools and procedures should conduct any pressure tests.

1. Air or any other compressible gas must never be used as the test media because of the explosive action of the gas should a failure occur. Such a failure might result in possible damage to property and serious bodily injury.
2. Air should be removed from the hose by bleeding it through an outlet valve while the hose is being filled with the test medium.
3. Hose to be pressure tested must be restrained by placing steel rods or straps close to each end and at approximate 10' (3m) intervals along its length to keep the hose from "whipping" if failure occurs; the steel rods or straps are to be anchored firmly to the test structure but in such a manner that they do not contact the hose which must be free to move.

4. The outlet end of hose is to be bulwarked so that a blown-out fitting will be stopped.
5. Provisions must be made to protect testing personnel from the forces of the pressure media if a failure occurs.
6. Testing personnel must never stand in front of or in back of the ends of a hose being pressure tested.
7. If liquids such as gasoline, oil, solvent, or other hazardous fluids are used as a test fluid, precautions must be taken to protect against fire or other damage should a hose assembly fail and the test liquid be sprayed over the surrounding area.

### Storage

Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials.

The appropriate method for storing hose depends to a great extent on the size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom.

Since hose products vary considerably in size, weight and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as could a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.

Certain rodents and insects will damage rubber hose products and adequate protection from them should be provided.

Cotton jacketed hose should be protected against fungal growths if the hose is to be stored for prolonged periods in humidity conditions in excess of 70%

The ideal temperature for storage of rubber product ranges from 50° to 70°F (10-21°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and would require warming before being placed in service. Rubber products should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid adverse effects of high ozone concentration, rubber hose products should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration.

Hose should not be stored in locations where the ozone level exceeds the National Institute of Occupational Safety and Health's upper limit of 0.10 ppm. Exposure to direct or reflected sunlight-even through windows-should also be avoided. Uncovered hose should not be stored under fluorescent or mercury lamps which generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free from dampness and mildew. Items should be stored on a first-in, first-out basis, since even under the best of conditions, an unusually long shelf life could deteriorate certain rubber products.

\* Woven jacket fire hose should be tested in accordance with the service test provisions contained in the current edition of the National Fire Protection Association Bulletin No. 1962 - Standard for the Care, Use and Service Testing of Fire Hose.

• Reprinted with permission from the Rubber Manufacturers Association (RMA) Hose Handbook, RMA/IP-2/2003

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# AIR HOSE

FOR THE TRANSFER OF AIR, WATER & MODERATE CHEMICAL SOLUTIONS

**4137**  
**4138**

**EPDM RUBBER AIR HOSE - BLACK**  
**EPDM RUBBER AIR HOSE - RED**

**TUBE:** EPDM

**REINFORCEMENT:** Spiral polyester yarn

**COVER:** EPDM Red or Black

**BRANDING:** Jason logo, size, PSI WP Country of Origin

**TEMPERATURE RANGE:** -40°F (-40°C) to +200°F (+93°C)

**FEATURES:** High temperature resistance, abrasion and ozone resistant, very flexible and easy to handle.

**APPLICATION:** Economical general service air and water, industrial, agricultural and construction applications.

**STANDARD LENGTHS:** 1/4" - 5/8" MAX 700' reels  
3/4" - 1" MAX 600' reels



## BLACK

Part Number	I.D.		O.D.		Rein. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm.	
<b>4137-2025</b>	1/4	6.35	0.49	12.45	2	200	13.8	0.09	0.13	1.50	38.10	✓
<b>4137-2031</b>	5/16	7.94	0.58	14.73	2	200	13.8	0.12	0.19	2.00	50.80	✓
<b>4137-2038</b>	3/8	9.53	0.68	17.27	2	200	13.8	0.16	0.24	2.25	57.15	✓
<b>4137-2050</b>	1/2	12.70	0.81	20.64	2	200	13.8	0.25	0.37	3.00	76.20	✓
<b>4137-2063</b>	5/8	15.88	1.00	25.40	2	200	13.8	0.29	0.43	3.75	95.25	✓
<b>4137-2075</b>	3/4	19.05	1.15	29.21	4	200	13.8	0.38	0.57	4.50	114.30	✓
<b>4137-2100</b>	1	25.40	1.37	34.80	4	200	13.8	0.51	0.76	7.00	177.80	✓
<b>4137-3025</b>	1/4	6.35	0.62	15.75	4	300	20.7	0.16	0.24	1.50	38.10	✓
<b>4137-3031</b>	5/16	7.94	0.62	15.75	4	300	20.7	0.14	0.21	2.00	50.80	✓
<b>4137-3038</b>	3/8	9.53	0.71	18.03	4	300	20.7	0.18	0.27	2.25	57.15	✓
<b>4137-3050</b>	1/2	12.70	0.84	21.43	4	300	20.7	0.25	0.37	3.00	76.20	✓
<b>4137-3063</b>	5/8	15.88	1.00	25.40	4	300	20.7	0.29	0.43	3.75	95.25	✓
<b>4137-3075</b>	3/4	19.05	1.15	29.21	4	300	20.7	0.41	0.61	4.50	114.30	✓
<b>4137-3100</b>	1	25.40	1.43	36.32	4	300	20.7	0.49	0.73	7.00	177.80	✓

## RED

Part Number	I.D.		O.D.		Rein. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm.	
<b>4138-2025</b>	1/4	6.35	0.49	12.45	2	200	13.8	0.08	0.12	1.50	38.10	✓
<b>4138-2031</b>	5/16	7.94	0.58	14.73	2	200	13.8	0.11	0.16	2.00	50.80	✓
<b>4138-2038</b>	3/8	9.53	0.68	17.27	2	200	13.8	0.15	0.22	2.25	57.15	✓
<b>4138-2050</b>	1/2	12.70	0.81	20.64	2	200	13.8	0.24	0.36	3.00	76.20	✓
<b>4138-2075</b>	3/4	19.05	1.15	29.21	4	200	13.8	0.36	0.54	7.00	114.30	✓
<b>4138-2100</b>	1	25.40	1.37	34.80	4	200	13.8	0.49	0.73	1.50	177.80	✓
<b>4138-3025</b>	1/4	6.35	0.62	15.75	4	300	20.7	0.15	0.22	2.00	38.10	✓
<b>4138-3031</b>	5/16	7.94	0.62	15.75	4	300	20.7	0.13	0.19	2.25	50.80	✓
<b>4138-3038</b>	3/8	9.53	0.71	18.03	4	300	20.7	0.17	0.25	3.00	57.15	✓
<b>4138-3050</b>	1/2	12.70	0.84	21.43	4	300	20.7	0.24	0.36	4.50	76.20	✓
<b>4138-3075</b>	3/4	19.05	1.15	29.21	4	300	20.7	0.40	0.60	4.50	114.30	✓
<b>4138-3100</b>	1	25.40	1.43	36.32	4	300	20.7	0.49	0.73	7.00	177.80	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# AIR HOSE

FOR THE TRANSFER OF AIR, WATER & MODERATE CHEMICAL SOLUTIONS

**4103**

**RED PVC AIR HOSE**  
**MEDIUM OIL RESISTANT**

**TUBE:** PVC, smooth, medium oil resistance, RMA Class C

**REINFORCEMENT:** Synthetic braid

**COVER:** PVC, smooth, black, medium oil resistant, RMA Class C

**BRANDING:** ID XX" (XXmm) logo WP (PSI) 4103 Country of Origin

**TEMPERATURE RANGE:** -15°F (-26°C) to +150°F (+66°C)

**FEATURES:** Oil mist resistant tube, non-marking cover. Ozone, weather and UV resistant

**APPLICATION:** General purpose use, including air, water and mild chemical applications.

**STANDARD LENGTHS:** 500 ft.



Part Number	I.D.		O.D.		Rein. Braids	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4103-0254</b>	1/4	6.35	0.44	11.18	1	300	20.68	0.07	0.10	1.70	43.20	✓
<b>4103-0314</b>	5/16	7.94	0.50	12.70	1	300	20.68	0.08	0.12	2.10	53.30	✓
<b>4103-0374</b>	3/8	9.53	0.59	14.99	1	300	20.68	0.10	0.15	2.50	63.50	✓
<b>4103-0504</b>	1/2	12.70	0.75	19.05	1	300	20.68	0.16	0.24	3.30	83.80	✓
<b>4103-0624</b>	5/8	15.88	0.91	23.11	1	300	20.68	0.22	0.33	4.20	106.70	✓
<b>4103-0754</b>	3/4	19.05	1.05	26.59	1	300	20.68	0.28	0.42	5.00	127.00	✓
<b>4103-1000</b>	1	25.40	1.33	33.73	1	300	20.68	0.41	0.61	6.70	170.20	✓

Other colors are available with minimum production run.

**4103**

**COUPLED 300 PSI PVC AIR HOSE**  
**COUPLED 1/4" MALE NPT x 1/4" MALE NPT**

**4120**

**COUPLED 300 PSI WP RUBBER AIR HOSE**  
**COUPLED 1/4" MALE NPT x 1/4" MALE NPT**

**TUBE:** Smooth, medium oil resistance, RMA Class C

**REINFORCEMENT:** Synthetic braid

**COVER:** Smooth, red, medium oil resistant, RMA Class C

**BRANDING:** Logo Part No. WP (PSI)

**TEMPERATURE RANGE:** PVC: -15°F (-26°C) to +150°F (+66°C)  
Rubber: -40°F (-40°C) to +200°F (+93°C)

**FEATURES:** Oil mist resistant tube, non-marking cover. Ozone, weather and UV resistant

**APPLICATION:** Provides air to shop tools, nailers and agricultural equipment.

**STANDARD LENGTHS:** 50 ft.



**4103**



**4120**

Part Number	I.D.		O.D.		Rein. Braids	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4103-037450</b>	3/8	9.53	0.59	14.99	1	300	20.68	0.10	0.15	2.50	63.50	✓
<b>4120-037450</b>	3/8	9.53	0.68	17.27	1	300	20.68	0.15	0.20	2.75	69.85	✓



# AIR HOSE

FOR THE TRANSFER OF AIR, WATER & MODERATE CHEMICAL SOLUTIONS

**4105**

**YELLOW TPR AIR HOSE**  
**HIGH OIL RESISTANT**

**TUBE:** TPR, Black, RMA Class A

**REINFORCEMENT:** Synthetic braid

**COVER:** TPR (Nitrile/PVC), yellow, RMA Class A

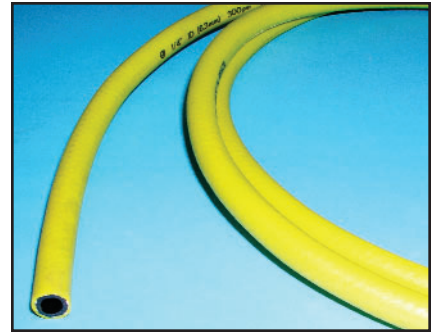
**BRANDING:** ID XX" (XXmm) logo WP (PSI) 4105 (country of origin)

**TEMPERATURE RANGE:** -15°F (-26°C) to +176°F (+80°C)

**FEATURES:** Non-marking cover, ozone, UV and weather resistant  
High oil resistance.

**APPLICATION:** For air, oil and medium grade fuels used in  
construction, shipyards, mining and agriculture.

**STANDARD LENGTHS:** 500 ft. reels



Part Number	I.D.		O.D.		Rein. Braids	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4105-0254</b>	1/4	6.35	0.44	11.18	1	300	20.68	0.07	0.10	1.70	43.20	✓
<b>4105-0314</b>	5/16	7.94	0.50	12.70	1	300	20.68	0.08	0.12	2.10	53.30	
<b>4105-0374</b>	3/8	9.53	0.59	14.99	1	300	20.68	0.10	0.15	2.50	63.50	✓
<b>4105-0504</b>	1/2	12.70	0.75	19.05	1	300	20.68	0.16	0.24	3.30	83.80	✓
<b>4105-0624</b>	5/8	15.88	0.91	23.11	1	300	20.68	0.22	0.33	4.20	106.70	
<b>4105-0754</b>	3/4	19.05	1.05	26.59	1	300	20.68	0.28	0.42	5.00	127.00	✓
<b>4105-1004</b>	1	25.40	1.33	33.73	1	300	20.68	0.41	0.61	6.70	170.20	

Other cover colors available.

Requires minimum production run.

**4142**

**COUPLED PNEUMATIC DEADMAN TWINLINE HOSE**  
**COUPLED 3/16 JIC FEMALE SWIVEL EACH END**  
**BULK PNEUMATIC DEADMAN TWINLINE HOSE**

**TUBE:** TPR, black

**REINFORCEMENT:** Synthetic fabric

**COVER:** TPR, yellow color

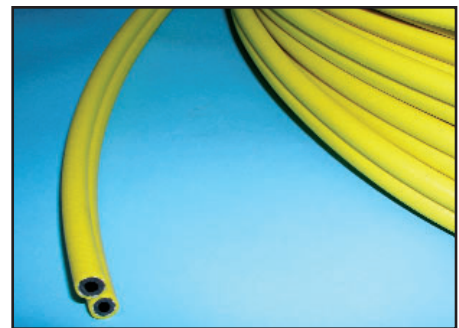
**BRANDING:** Country of Origin

**TEMPERATURE RANGE:** -25°F (-32°C) to +180°F (+82°C)

**FEATURES:** Heavy duty, durable, oil resistant, siamese  
two line construction with bright yellow cover.

**APPLICATION:** Used to pneumatically engage or disengage  
the remote control on sandblast machines.

**STANDARD LENGTHS:** 50/55/66/131 Ft. Lengths Coupled;  
Bulk 200 Ft. Coils



Part Number	I.D.		O.D.		Rein. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4142-0193-050*</b>	3/16	4.76	0.42	10.72	2	250	17.24	0.10	0.15	1.30	31.80	✓
<b>4142-0193-055*</b>	3/16	4.76	0.42	10.72	2	250	17.24	0.10	0.15	1.30	31.80	✓
<b>4142-0193-066*</b>	3/16	4.76	0.42	10.72	2	250	17.24	0.10	0.15	1.30	31.80	✓
<b>4142-0193-031*</b>	3/16	4.76	0.42	10.72	2	250	17.24	0.10	0.15	1.30	31.80	✓
<b>4142-0193-BULK</b>	3/16	4.76	0.42	10.72	2	250	17.24	0.10	0.15	1.30	31.80	✓

\*Coupled 3/16 JIC (37°) Female swivel each end.

All sizes may not be stocked in all locations. Check with customer service for availability.



# AIR HOSE

FOR THE TRANSFER OF AIR, WATER & MODERATE CHEMICAL SOLUTIONS

**4805**

**WIRE REINFORCED HOSE**

**TUBE:** Nitrile blend, smooth, black

**REINFORCEMENT:** Two wire braid

**COVER:** SBR, yellow, weather, fabric impression, pin pricked.

**BRANDING:** Jason Logo 4805 WIRE AIR WP (PSI) (BAR)

Red Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +200°F (+93°C)

**FEATURES:** Oil mist resistant tube, high working pressure, visible yellow cover

**APPLICATION:** For heavy duty air supply in mining, quarries, construction, industrial air placement, sandblasting and heavy duty equipment rental.

**STANDARD LENGTHS:** 1/2" 100 ft., 3/4" through 4" 50 ft. and 100 ft.



Part Number	I.D.		O.D.		Rein. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4805-0075-050</b>	3/4	19.05	1.22	30.99	2	600	41.37	0.60	0.89	8.30	210.00	✓
<b>4805-0100-050</b>	1	25.40	1.49	37.85	2	600	41.37	0.80	1.19	11.00	280.00	✓
<b>4805-0125-050</b>	1-1/4	31.75	1.81	45.97	2	600	41.37	1.05	1.56	13.80	350.00	✓
<b>4805-0150-050</b>	1-1/2	38.10	2.04	51.82	2	600	41.37	1.24	1.85	16.50	420.00	✓
<b>4805-0200-050</b>	2	50.80	2.60	66.04	2	600	41.37	1.80	2.68	22.00	560.00	✓
<b>4805-0250-050</b>	2-1/2	63.50	3.15	80.01	2	600	41.37	2.40	3.57	27.50	700.00	✓
<b>4805-0300-050</b>	3	76.20	3.70	93.98	2	600	41.37	3.22	4.79	33.10	840.00	✓
<b>4805-0400-050</b>	4	101.60	4.88	123.95	2	600	41.37	4.70	6.99	44.10	1120.00	✓
<b>4805-0050-100</b>	1/2	12.70	0.91	23.11	2	600	41.37	0.36	0.54	5.50	140.00	✓
<b>4805-0075-100</b>	3/4	19.05	1.22	30.99	2	600	41.37	0.60	0.89	8.30	210.00	✓
<b>4805-0100-100</b>	1	25.40	1.49	37.85	2	600	41.37	0.80	1.19	11.00	280.00	✓
<b>4805-0125-100</b>	1-1/4	31.75	1.81	45.97	2	600	41.37	1.05	1.56	13.80	350.00	✓
<b>4805-0150-100</b>	1-1/2	38.10	2.04	51.82	2	600	41.37	1.24	1.85	16.50	420.00	✓
<b>4805-0200-100</b>	2	50.80	2.60	66.04	2	600	41.37	1.80	2.68	22.00	560.00	✓
<b>4805-0250-100</b>	2-1/2	63.50	3.15	80.01	2	600	41.37	2.40	3.57	27.50	700.00	✓
<b>4805-0300-100</b>	3	76.20	3.70	93.98	2	600	41.37	3.22	4.79	33.10	840.00	✓
<b>4805-0400-100</b>	4	101.60	4.88	123.95	2	600	41.37	4.70	6.99	44.10	1120.00	✓

**4318**

**JACKHAMMER HOSE ASSEMBLY**

**TUBE:** SBR

**REINFORCEMENT:** Synthetic Textile Spirals

**COVER:** Yellow

**BRANDING:** Jason Logo 4318 WP (PSI) BP (PSI) I.D. (in.) x 50' Country of Origin

**TEMPERATURE RANGE:** -25°F (-32°C) to +200°F (+93°C)

**FEATURES:** Rugged wrapped cover, oil mist resistant tube

**APPLICATION:** Jackhammer applications

**STANDARD LENGTHS:** 50 ft. coupled lengths (coiled and tied)



Part Number	I.D.		O.D.		Rein. Spirals	Max W.P. **		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4318-0075-050</b>	3/4	19.05	1.14	28.96	2	150	10.30	0.50	0.74	10.00	254.00	✓

● Safety clip and lanyard are not supplied. For safety reasons, please follow all OSHA regulations.

\*\*Assembly working pressure

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# AIR HOSE

FOR THE TRANSFER OF AIR, WATER & MODERATE CHEMICAL SOLUTIONS

## 4302

## TEXTILE REINFORCED AIR HOSE

**TUBE:** Nitrile blend, smooth, black

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR, yellow, fabric impression, pin-pricked

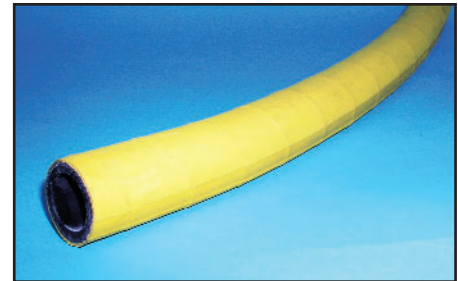
**BRANDING:** Jason Logo 4302 Textile Air WP (PSI) (BAR)  
Blue Mylar Stripe - barber pole

**TEMPERATURE RANGE:** -25°F (-32°C) to +200°F (+93°C)

**FEATURES:** Oil mist resistant tube, high working pressure, visible yellow cover, weather, abrasion and ozone resistant

**APPLICATION:** For tough applications in mines and quarries

**STANDARD LENGTHS:** 50 ft.



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4302-0050-050	1/2	38.10	2.04	51.82	2	400	27.58	1.24	1.85	16.50	420.00	
4302-0075-050	3/4	50.80	2.60	66.04	2	400	27.58	1.80	2.68	22.00	560.00	✓
4302-0100-050	1	76.20	3.70	93.98	2	400	27.58	3.22	4.79	33.10	840.00	✓
4302-0150-050	1-1/2	38.10	2.04	51.82	2	400	27.58	1.24	1.85	16.50	420.00	✓
4302-0200-050	2	50.80	2.60	66.04	2	400	27.58	1.80	2.68	22.00	560.00	

## 4305

## TEXTILE REINFORCED AIR HOSE

**TUBE:** Nitrile blend, smooth, black

**REINFORCEMENT:** Synthetic fabric, 2-ply

**COVER:** Nitrile/SBR blend, yellow color, fabric impression

**BRANDING:** Jason Logo 4305 Textile Air WP (PSI) (BAR)  
Blue Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +200°F (+93°C)

**FEATURES:** Oil mist resistant tube, visible yellow cover, weather, abrasion and ozone resistant

**APPLICATION:** For rugged air line service in mining, quarries, construction, sandblasting, industrial air placement and equipment rental.

**STANDARD LENGTHS:** 3/4" through 2-1/2" I.D. 100 ft., 3" I.D. 50 and 100 ft.



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4305-0075-100	3/4	19.05	1.18	29.97	2	350	24.13	0.40	0.60	7.50	190.00	✓
4305-0100-100	1	25.40	1.15	29.11	2	350	24.13	0.54	0.80	10.00	254.00	✓
4305-0125-100	1-1/4	31.75	1.81	45.97	2	350	24.13	0.81	1.21	12.50	320.00	✓
4305-0150-100	1-1/2	38.10	2.05	52.07	2	350	24.13	0.92	1.37	15.00	380.00	✓
4305-0200-100	2	50.80	2.64	67.06	2	350	24.13	1.37	2.04	20.00	508.00	✓
4305-0250-100	2-1/2	63.50	3.15	80.01	2	350	24.13	1.69	2.51	25.00	635.00	✓
4305-0300-050	3	76.20	3.70	93.98	2	350	24.13	2.16	3.21	30.00	762.00	✓
4305-0300-100	3	76.20	3.70	93.98	2	350	24.13	2.16	3.21	30.00	762.00	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# ACID/CHEMICAL HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER CHEMICALS & SOLVENTS

## 4430

## CROSS-LINKED POLYETHYLENE SUCTION HOSE

**TUBE:** Cross-linked polyethylene (XLPE), clear, smooth

**REINFORCEMENT:** Synthetic fabric with wire helix and copper static wire.

**COVER:** EPDM, green, fabric impression

**BRANDING:** Jason Logo 4430 XLPE CHEM WP (PSI) (BAR)  
Blue Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -40°F (-40°C) to +150°F (-66°C)

**FEATURES:** Versatile, handles 90% of today's chemicals\* which reduces inventories in stocking several types of chemical hoses.

**APPLICATION:** For in-plant or tank truck use to transfer chemicals and solvents.

**STANDARD LENGTHS:** 100 ft.

**VACUUM:** All sizes are full vacuum



Part Number	I.D.		O.D.		Rein. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4430-0075-100	3/4	19.05	1.19	30.23	2	200	13.79	0.36	0.54	6.00	152.40	✓
4430-0100-100	1	25.40	1.50	38.10	2	200	13.79	0.49	0.73	6.50	165.10	✓
4430-0125-100	1-1/4	31.75	1.75	44.45	2	200	13.79	0.55	0.82	9.00	228.60	✓
4430-0150-100	1-1/2	38.10	2.09	53.09	2	200	13.79	0.69	1.03	10.00	254.00	✓
4430-0200-100	2	50.80	2.61	66.29	2	200	13.79	0.98	1.46	12.00	304.80	✓
4430-0250-100	2-1/2	63.50	3.19	81.03	2	150	10.34	1.35	2.01	15.00	381.00	✓
4430-0300-050	3	76.20	3.75	95.25	2	150	10.34	1.90	2.83	16.00	406.40	✓
4430-0400-100	4	101.60	4.88	123.95	2	150	10.34	2.57	3.82	18.00	457.20	✓

\*Consult Chemical Resistance Chart

## 4433

## UHMWPE CHEMICAL SUCTION HOSE

**TUBE:** Ultra-high molecular weight polyethylene

**REINFORCEMENT:** Synthetic fabric with wire helix

**COVER:** EPDM, corrugated, blue

**BRANDING:** Jason Logo 4433 UHMWPE CHEM WP (PSI) (BAR)  
Orange Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -40°F (-40°C) to +150°F (-66°C)

**FEATURES:** Versatile, handles 98% of today's chemicals\* for suction or discharge service, flexible.

**APPLICATION:** For in-plant or tank truck use to transfer chemicals and acids.

**STANDARD LENGTHS:** 100 ft.

**VACUUM:** All sizes are full vacuum



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4433-0075-100	3/4	19.05	1.14	28.96	2	200	13.79	0.38	0.57	6.00	152.40	✓
4433-0100-100	1	25.40	1.46	37.08	2	200	13.79	0.50	0.74	6.50	165.10	✓
4433-0125-100	1-1/4	31.75	1.77	44.96	2	200	13.79	0.58	0.86	9.00	228.60	✓
4433-0150-100	1-1/2	38.10	2.05	52.07	2	200	13.79	0.71	1.06	10.00	254.00	✓
4433-0200-100	2	50.80	2.64	67.06	2	200	13.79	1.01	1.50	12.00	304.80	✓
4433-0250-100	2-1/2	63.50	3.15	80.01	2	200	10.34	1.46	2.17	15.00	381.00	✓
4433-0300-100	3	76.20	3.86	98.04	2	200	10.34	1.97	2.93	16.00	406.40	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# FOOD HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER FOOD GRADE PRODUCTS

## 4460

## BULK FOOD SUCTION HOSE

**TUBE:** White Natural Rubber (NR), 3/16" thick, FDA Grade

**REINFORCEMENT:** Multiple plies with steel wire helix

**COVER:** Natural rubber, corrugated, gray color

**BRANDING:** Jason Logo 4460 FDA I.D. 3/16" Tube Bulk Food S/D  
Orange Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -40°F (-32°C) to +150°F (+66°C)

**FEATURES:** Heavy abrasion resistant tube, extremely flexible

**APPLICATION:** For suction, pneumatic or gravity transfer of flour, sugar, syrup or edible grains (not for acetics).

**STANDARD LENGTHS:** 1-1/2" to 6" I.D. 100 ft., 6" to 14" I.D. 20 ft.



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4460-0150-100	1-1/2 38.10	2.05 52.07	2	150 10.34	0.98 1.46	5.00 127.00	✓
4460-0200-100	2 50.80	2.66 67.56	2	150 10.34	1.37 2.04	6.00 152.40	✓
4460-0250-100	2-1/2 63.50	3.07 77.98	2	150 10.34	1.67 2.49	8.00 203.20	✓
4460-0300-100	3 76.20	3.62 91.95	2	150 10.34	2.14 3.18	10.00 254.00	✓
4460-0350-100	3-1/2 88.90	4.21 106.93	2	150 10.34	2.60 3.87	12.00 304.80	✓
4460-0400-100	4 101.60	4.72 119.89	2	150 10.34	3.14 4.67	20.00 508.00	✓
4460-0450-100	4-1/2 114.30	5.27 133.86	2	150 10.34	3.94 5.86	22.00 558.80	✓
4460-0500-100	5 127.00	5.71 145.03	2	150 10.34	4.67 6.95	24.00 609.60	✓
4460-0600-100	6 152.40	6.77 171.96	2	150 10.34	5.98 8.90	26.00 660.40	✓
4460-0450-060	4-1/2 114.30	5.27 133.86	2	150 10.34	3.94 5.86	22.00 558.80	
4460-0600-020	6 152.40	6.77 171.96	2	150 10.34	5.98 8.90	26.00 660.40	✓
4460-0650-020	6-1/2 165.10	7.32 185.93	2	150 10.34	6.84 10.18	28.00 711.20	
4460-0662-020	6-5/8 168.28	7.52 191.01	2	150 10.34	7.31 10.88	29.00 736.60	
4460-0688-020	6-7/8 174.63	7.80 198.13	2	150 10.34	7.81 11.58	30.00 762.60	
4460-0800-020	8 203.20	8.78 223.01	2	150 10.34	9.36 13.93	32.00 812.80	✓
4460-0862-020	8-5/8 219.08	9.33 236.98	2	125 8.62	9.64 14.35	36.00 914.40	
4460-1000-020	10 254.00	10.83 275.08	2	125 8.62	11.57 17.22	44.00 1117.60	
4460-1200-020	12 304.80	12.83 325.88	2	100 6.89	15.27 22.72	60.00 1524.00	
4460-1400-020	14 355.60	14.76 374.90	2	100 6.89	18.41 27.40	72.00 1828.80	

## 4465

## LIQUID FOOD SUCTION HOSE

**TUBE:** White Nitrile, FDA Grade

**REINFORCEMENT:** Multiple plies with steel wire helix

**COVER:** Nitrile, corrugated, gray

**BRANDING:** Jason Logo 4465 FDA Food S/D WP (PSI) (BAR)  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +200°F (+93°C)

**FEATURES:** Handles a wide variety of food products, extremely flexible

**APPLICATION:** For suction or discharge of liquid food products, including oily edibles, milk and beer.

**STANDARD LENGTHS:** 100 ft.



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4465-0150-100	1-1/2 38.10	2.05 52.07	2	150 10.34	1.10 1.64	4.00 101.60	✓
4465-0200-100	2 50.80	2.56 65.02	2	150 10.34	1.50 2.23	5.00 127.00	✓
4465-0300-100	3 76.20	3.56 90.42	2	150 10.34	2.30 3.42	6.00 152.40	✓
4465-0400-100	4 101.60	4.69 119.13	2	150 10.34	4.60 6.85	8.00 203.20	

All sizes may not be stocked in all locations. Check with customer service for availability.



# FOOD HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER FOOD GRADE PRODUCTS

**4511**

**BRAIDED PVC/FDA HOSE**

**TUBE:** PVC, crystal clear, non-toxic, FDA Grade

**REINFORCEMENT:** Synthetic braid

**COVER:** PVC, crystal clear, non-toxic, FDA Grade

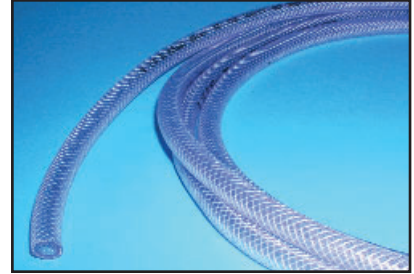
**BRANDING:** Jason logo WP (PSI) FDA Non-Toxic Country of Origin

**TEMPERATURE RANGE:** -14°F (-26°C) to +140°F (+60°C)

**FEATURES:** One piece long length coils, smooth as glass tube.  
Resists chemical, ozone and weather deterioration.

**APPLICATION:** Food and beverage dispensing, potable water,  
air breathing lines, packaging and equipment,  
lube lines and other visual flow applications.

**STANDARD LENGTHS:** 1/4" to 1" I.D. 300 ft., 1-1/4" to 2" I.D., 100 ft.



Part Number	I.D.		O.D.		Rein. Braid	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4511-0251</b>	1/4	6.35	0.45	11.43	1	250	17.24	0.04	0.06	n/a	n/a	✓
<b>4511-0311</b>	5/16	7.94	0.47	11.94	1	250	17.24	0.05	0.07	n/a	n/a	✓
<b>4511-0381</b>	3/8	9.53	0.55	13.97	1	200	13.79	0.07	0.10	n/a	n/a	✓
<b>4511-0501</b>	1/2	12.70	0.69	17.53	1	150	10.34	0.10	0.15	n/a	n/a	✓
<b>4511-0631</b>	5/8	15.88	0.82	20.83	1	150	10.34	0.12	0.18	n/a	n/a	✓
<b>4511-0751</b>	3/4	19.05	0.99	25.15	1	150	10.34	0.18	0.27	n/a	n/a	✓
<b>4511-1001</b>	1	25.40	1.28	32.51	1	125	8.62	0.27	0.40	n/a	n/a	✓
<b>4511-1251</b>	1-1/4	31.75	1.61	40.89	1	100	6.89	0.44	0.65	n/a	n/a	✓
<b>4511-1501</b>	1-1/2	38.10	1.85	46.99	1	70	4.83	0.51	0.76	n/a	n/a	✓
<b>4511-2001</b>	2	50.80	2.39	60.71	1	60	4.14	0.74	1.10	n/a	n/a	✓

NOTE: Working pressure decreases as temperature increases.

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# FOOD HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER FOOD GRADE PRODUCTS

**4600**

**SPRING WIRE PVC/FDA HOSE**

**TUBE:** PVC, clear and smooth, FDA Grade, meets 3-A standards

**REINFORCEMENT:** Electro-galvanized spring steel wire

**COVER:** PVC, crystal clear and smooth, FDA Grade, meets 3-A stds

**BRANDING:** None

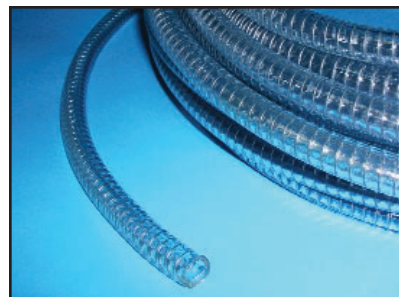
**TEMPERATURE RANGE:** -14°F (-26°C) to +140°F (+60°C)

**FEATURES:** Crystal clear food grade PVC allows visual flow inspection.  
Spring steel wire provides full vacuum rating and prevents kinking and collapsing.

**APPLICATION:** Food and beverage dispensing, air water, coolant, car wash, deionized water systems and other clear flow applications.

**STANDARD LENGTHS:** 3/8" to 1" I.D. 100 ft., 1-1/4" to 4" I.D., 50 ft.

**VACUUM RATING:** Full vacuum all sizes



Part Number	I.D.		O.D.		Rein.	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4600-0380</b>	3/8	9.53	0.63	16.00	Wire Spring	100	6.89	0.10	0.15	0.80	19.10	✓
<b>4600-0500</b>	1/2	12.70	0.71	18.03	Wire Spring	100	6.89	0.13	0.19	1.00	25.40	✓
<b>4600-0630</b>	5/8	15.88	0.90	22.86	Wire Spring	100	6.89	0.17	0.25	1.20	30.00	✓
<b>4600-0750</b>	3/4	19.05	1.06	26.92	Wire Spring	100	6.89	0.24	0.36	1.30	34.00	✓
<b>4600-1000</b>	1	25.40	1.31	33.27	Wire Spring	75	5.17	0.34	0.51	1.70	41.90	✓
<b>4600-1250</b>	1-1/4	31.75	1.61	40.89	Wire Spring	75	5.17	0.50	0.74	2.00	50.80	✓
<b>4600-1500</b>	1-1/2	38.10	1.85	46.99	Wire Spring	50	3.45	0.55	0.82	2.50	63.50	✓
<b>4600-2000</b>	2	50.80	2.36	59.94	Wire Spring	50	3.45	0.84	1.25	3.20	82.00	✓
<b>4600-2500</b>	2-1/2	63.50	2.97	75.44	Wire Spring	50	3.45	1.21	1.80	5.50	139.70	✓
<b>4600-3000</b>	3	76.20	3.51	89.15	Wire Spring	50	3.45	1.48	2.20	6.50	165.10	✓
<b>4600-3500</b>	3-1/2	88.90	4.09	103.89	Wire Spring	50	3.45	1.95	2.90	7.50	190.50	✓
<b>4600-4000</b>	4	101.60	4.57	116.08	Wire Spring	50	3.45	2.18	3.24	8.50	215.90	✓

NOTE: Working pressure decreases as temperature increases.



# PETROLEUM HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER PETROLEUM PRODUCTS

## 4415

## OIL RETURN HOSE SAE 100 R4

**TUBE:** Nitrile, black, smooth, RMA Class A  
**REINFORCEMENT:** Synthetic fabric with wire helix  
**COVER:** Neoprene, RMA Class B  
**BRANDING:** Jason logo 4415 SAE 100R4 Return Line  
 Orange Mylar Longitudinal Stripe  
**TEMPERATURE RANGE:** -40°F (-40°C) to +212°F (+100°C)  
**FEATURES:** Highly oil resistant tube to handle petroleum products with an aromatic content of 50%.  
**APPLICATION:** For oil return lines of hydraulic systems in industrial and agricultural applications.  
**STANDARD LENGTHS:** 100 ft.  
**VACUUM RATING:** Full vacuum all sizes



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4415-0075-100	3/4	19.05	1.25	31.75	2	300	20.68	0.45	0.67	4.00	101.60	✓
4415-0100-100	1	25.40	1.47	37.34	2	250	17.24	0.50	0.74	4.50	114.30	✓
4415-0125-100	1-1/4	31.75	1.77	44.96	2	200	13.79	0.64	0.95	6.00	152.40	✓
4415-0150-100	1-1/2	38.10	2.05	52.07	2	150	10.34	0.80	1.19	6.50	165.10	✓
4415-0200-100	2	50.80	2.51	63.75	2	150	10.34	0.99	1.47	8.00	203.20	✓

## 4420

## NITRILE PETROLEUM SUCTION HOSE

**TUBE:** Nitrile, black, smooth, RMA Class A  
**REINFORCEMENT:** Synthetic fabric with dual wire helix  
**COVER:** Neoprene, RMA Class B  
**BRANDING:** Jason logo 4420 Petroleum Suction WP (PSI) (BAR)  
 Red Mylar Longitudinal Stripe  
**TEMPERATURE RANGE:** -25°F (-32°C) to +200°F (+93°C)  
**FEATURES:** Smooth, highly oil resistant tube to handle gasoline and other petroleum products having an aromatic content of 50%. Increased flexibility due to the dual wire helix.  
**APPLICATION:** For suction or discharge of petroleum-based products in truck and car operations.  
**STANDARD LENGTHS:** 100 ft.  
**VACUUM RATING:** Full vacuum all sizes



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4420-0750-100	3/4	19.05	1.14	28.96	2	150	10.34	0.36	0.54	4.00	101.60	✓
4420-0100-100	1	25.40	1.38	35.00	2	150	10.34	0.49	0.73	6.00	152.40	✓
4420-0125-100	1-1/4	31.75	1.69	42.93	2	150	10.34	0.81	1.21	6.50	165.10	✓
4420-0150-100	1-1/2	38.10	2.00	50.80	2	150	10.34	0.91	1.35	7.00	177.80	✓
4420-0200-100	2	50.80	2.52	64.01	2	150	10.34	1.14	1.70	8.00	203.20	✓
4420-0250-100	2-1/2	63.50	3.06	77.72	2	150	10.34	1.76	2.62	12.00	304.80	✓
4420-0300-100	3	76.20	3.54	89.92	2	150	10.34	2.42	3.60	16.00	406.40	✓
4420-0400-100	4	101.60	4.60	116.84	2	150	10.34	2.69	4.00	18.00	457.20	✓
4420-0600-100	6	152.40	6.86	174.24	2	150	10.34	6.28	9.35	30.00	762.00	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# PETROLEUM HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER PETROLEUM PRODUCTS

## 8312

## FUEL LINE AND VAPOR EMISSION HOSE SAE 30R7

**TUBE:** TPE, black, smooth

**REINFORCEMENT:** Synthetic braid

**COVER:** TPE, black, smooth

**BRANDING:** Jason logo 8312 I.D. Size SAE 30R7  
Fuel/Vapor Line

**TEMPERATURE RANGE:** -29°F (-34°C) to +257°F (+125°C)

**FEATURES:** Smooth cover and tube resistant to gasoline, oil and grease. One piece reels.

**APPLICATION:** Used as fuel line in internal combustion engines. Can also be used with diesel oil or lubrication oils.

**STANDARD LENGTHS:** 500 ft. reels



Part Number	I.D.		O.D.		Rein. Braid	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
8312-03-500	3/16	4.76	0.41	10.41	1	60	4.14	0.05	0.07	1.30	33.00	✓
8312-04-500	1/4	6.35	0.50	12.70	1	60	4.14	0.08	0.12	1.70	43.20	✓
8312-05-500	5/16	7.94	0.56	14.30	1	60	4.14	0.09	0.13	2.10	53.30	✓
8312-06-500	3/8	9.53	0.63	15.90	1	60	4.14	0.10	0.15	2.50	63.50	✓
8312-08-500	1/2	12.70	0.78	19.81	1	40	2.76	0.15	0.22	3.30	83.80	✓
8312-10-500	5/8	15.88	0.94	23.88	1	40	2.76	0.20	0.30	4.20	106.70	✓

## 4419

## CRUDE OIL WASTE PIT SUCTION HOSE

**TUBE:** NBR, RMA Class A

**REINFORCEMENT:** Spiraled synthetic plies with steel wire helix

**COVER:** SBR, black, corrugated

**BRANDING:** Jason logo 4419 Crude Oil Waste Pit Suction - Do Not Use for Refined Petroleum.  
Orange Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -40°F (-40°C) to +150°F (+66°C)

**FEATURES:** Flexible, resistant to abrasion and weathering

**APPLICATION:** Where full suction is required. Great for applications handling crude oil, salt and fresh water, tank bottoms and diesel fuels.

**STANDARD LENGTHS:** 100 ft.

**VACUUM RATING:** 30 in. Hg, all sizes



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4419-0150-100	1-1/2	38.10	1.97	50.04	2	150	10.34	0.77	1.15	3.00	76.20	✓
4419-0200-100	2	50.80	2.47	62.74	2	150	10.34	0.99	1.47	4.00	101.60	✓
4419-0300-100	3	76.20	3.52	89.41	2	150	10.34	1.76	2.62	5.00	127.00	✓
4419-0400-100	4	101.60	4.52	114.81	2	100	6.89	2.29	3.41	8.00	203.20	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# PETROLEUM HOSE

FOR IN-PLANT OR TANK TRUCK USE TO TRANSFER PETROLEUM PRODUCTS

## 4421

## TANK TRUCK HOSE - RED CORRUGATED

**TUBE:** NBR, RMA Class A

**REINFORCEMENT:** Spiraled synthetic plies with double wire helix

**COVER:** CR, RMA Class B (corrugated) - RED

**BRANDING:** Jason logo 4421 Petroleum Suction PSI (BAR)  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -30°F (-34°C) to +180°F (+82°C)

**FEATURES:** Extremely flexible, lightweight, resistant to abrasion, weathering and exposure to oil.

**APPLICATION:** The transfer of petroleum products, including gasoline under pressure or gravity flow.

**STANDARD LENGTHS:** 100 ft.

**VACUUM RATING:** 29 in. Hg, all sizes



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4421-0200-100	2	50.80	2.52	64.01	2	150	10.30	1.18	1.76	4.00	101.60	✓
4421-0300-100	3	76.20	3.59	91.19	2	150	10.30	1.99	2.96	6.00	152.40	✓
4421-0400-100	4	101.60	4.61	117.09	2	150	10.30	2.66	3.96	9.00	228.60	✓

## 4417

## LOW TEMP TANK TRUCK HOSE - CHANNELED

**TUBE:** NBR, RMA Class A

**REINFORCEMENT:** Spiraled synthetic plies with double wire helix

**COVER:** CR, RMA Class B (channeled) - BLACK

**BRANDING:** Jason logo 4417 Boreal -67°F (-55°C) Petroleum Suction  
PSI BAR - Orange Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -65°F (-54°C) to +180°F (+82°C)

**FEATURES:** Flexible to -65°F, resistant to abrasion, weathering and exposure to oil.

**APPLICATION:** The transfer of petroleum products, including gasoline under pressure or gravity flow.

**STANDARD LENGTHS:** 100 ft.

**VACUUM RATING:** 29 in. Hg, all sizes



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4417-0150-100	1-1/2	38.10	1.95	49.53	2	150	10.30	0.81	1.21	4.00	100.80	
4417-0200-100	2	50.80	2.53	64.26	2	150	10.30	1.18	1.76	4.00	100.80	✓
4417-0250-100	2-1/2	63.50	3.02	76.71	2	150	10.30	1.42	2.11	5.00	126.00	
4417-0300-100	3	76.20	3.55	90.17	2	150	10.30	1.83	2.72	6.00	151.20	✓
4417-0400-100	4	101.60	4.59	116.59	2	150	10.30	2.39	3.56	9.00	226.80	

All sizes may not be stocked in all locations. Check with customer service for availability.



# MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

## 4470

## BULK MATERIAL SUCTION HOSE

**TUBE:** 1/4" pure gum rubber, tan color

**REINFORCEMENT:** Synthetic fabric with wire helix and static wire

**COVER:** EPDM, fabric impression, corrugated, black

**BRANDING:** Jason logo 4470 Dry Bulk S/D WP (PSI) (BAR)  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -40°F (-40°C) to +180°F (+82°C)

**FEATURES:** Highly abrasion resistant 1/4" gum tube, flexible for tight bends. Weather and ozone resistant. Static wire, when properly grounded, dissipates static electricity

**APPLICATION:** For suction, discharge or gravity flow of abrasives from manufacturing, sandblast recovery, mineral processing power plants and spill recovery.

**STANDARD LENGTHS:** All sizes, 100 ft.; 6" and 8", 50 ft.; 8", 20 ft.

**VACUUM RATING:** All sizes 28 in. Hg



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4470-0150-100	1-1/2 38.10	2.10 53.34	2	75 5.17	1.11 1.65	4.00 101.60	✓
4470-0200-100	2 50.80	2.60 66.04	2	75 5.17	1.30 1.93	12.00 304.80	✓
4470-0250-100	2-1/2 63.50	3.11 78.99	2	75 5.17	1.65 2.46	17.00 431.80	✓
4470-0300-100	3 76.20	3.66 92.96	2	75 5.17	2.25 3.35	18.00 457.20	✓
4470-0400-100	4 101.60	4.69 119.13	2	75 5.17	2.93 4.36	24.00 609.60	✓
4470-0500-100	5 127.00	5.70 144.78	2	75 5.17	3.83 5.70	33.00 832.20	✓
4470-0600-100	6 152.40	6.73 170.94	2	75 5.17	5.00 7.44	40.00 1016.00	✓
4470-0800-100	8 203.20	9.13 231.90	2	60 4.14	10.05 14.96	32.00 812.80	
4470-0600-050	6 152.40	6.73 170.94	2	75 5.17	5.00 7.44	40.00 1016.00	✓
4470-0800-050	8 203.20	9.13 231.90	2	60 4.14	10.05 14.96	32.00 812.80	✓
4470-0800-020	8 203.20	9.13 231.90	2	60 4.14	10.05 14.96	32.00 812.80	✓

## 4425

## HOT AIR BLOWER HOSE

**TUBE:** EPDM

**REINFORCEMENT:** Synthetic fabric with wire helix

**COVER:** EPDM, fabric impression, black

**BRANDING:** Jason logo 4425 Hot Air 325°F  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** Intermittent to +350°F (+177°C)

**FEATURES:** High heat resistant tube, very flexible

**APPLICATION:** Used to convey hot air from blower to tank on bulk transport trucks.

**STANDARD LENGTHS:** 100 ft.

**VACUUM RATING:** All sizes full vacuum



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4425-0300-100	3 76.20	3.56 90.42	2	50 3.45	1.93 2.87	5.50 139.70	✓
4425-0400-100	4 101.60	4.60 118.84	2	50 3.45	2.65 3.94	7.00 177.80	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

**4323**  
**4324**

**3/16" TUBE DRY CEMENT, POWDER DISCHARGE HOSE**  
**1/4" TUBE DRY CEMENT, POWDER DISCHARGE HOSE**

**TUBE:** NR/SBR blend, black, static dissipating

**REINFORCEMENT:** Synthetic fabric, 2-ply

**COVER:** SBR, fabric impression

**BRANDING:** Jason logo 4323 or 4324 Dry Bulk Discharge  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -40°F (-40°C) to +185°F (+85°C)

**FEATURES:** Weather and ozone resistant cover, high abrasion resistant tube which resists cutting and gouges.  
Can be rolled for transport and storage.

**APPLICATION:** For pneumatic discharge of dry powders, dry cement or other dry materials.

**STANDARD LENGTHS:** All sizes, 100 ft.



## 3/16" TUBE THICKNESS

Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
<b>4323-0400-100</b>	4 101.60	4.68 118.87	2	75 5.17	2.42 3.60	40.00 1016.00	✓
<b>4323-0500-100</b>	5 127.00	5.68 144.27	2	75 5.17	2.92 4.35	50.00 1270.00	✓

## 1/4" TUBE THICKNESS

<b>4324-0400-100</b>	4 101.60	4.84 122.94	2	75 5.17	3.23 4.81	40.00 1016.00	✓
<b>4324-0500-100</b>	5 127.00	5.84 148.34	2	75 5.17	3.80 5.65	50.00 1270.00	✓

**4427**

**CONCRETE PLACEMENT PLASTER AND GROUT HOSE**

**TUBE:** Polybutadiene blend

**REINFORCEMENT:** Multi-ply of synthetic fabric

**COVER:** SBR

**BRANDING:** Jason logo 4427 PSI (BAR) Concrete Plaster Grout  
Orange Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +180°F (+82°C)

**FEATURES:** Abrasion resistant tube and cover

**APPLICATION:** Used for plaster, concrete, grout applications like dams, tunnels, swimming pools, etc.

**STANDARD LENGTHS:** 50 ft. lengths



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
<b>4427-0100-050</b>	1 25.40	1.76 42.42	4	1000 68.90	0.65 0.97	n/a n/a	
<b>4427-0125-050</b>	1-1/4 31.75	1.92 48.77	4	1000 68.90	0.79 1.18	n/a n/a	
<b>4427-0150-050</b>	1-1/2 38.10	2.31 58.67	4	1000 68.90	1.14 1.70	n/a n/a	
<b>4427-0200-050</b>	2 50.80	2.83 71.88	4	1000 68.90	1.43 2.13	n/a n/a	✓
<b>4427-0250-050</b>	2-1/2 63.50	3.39 86.11	4	1000 68.90	1.87 2.78	n/a n/a	✓
<b>4427-0300-050</b>	3 76.20	3.92 99.57	4	800 55.20	2.33 3.47	n/a n/a	
<b>4427-0400-050</b>	4 101.60	4.94 125.48	4	700 48.30	3.10 4.61	n/a n/a	
<b>4427-0500-050</b>	5 127.00	5.94 150.88	4	700 48.30	3.76 5.61	n/a n/a	

All sizes may not be stocked in all locations. Check with customer service for availability.



# MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

**4310**

**GUNITE HOSE**

**TUBE:** 1/4" thick pure gum rubber, tan color

**REINFORCEMENT:** Synthetic fabric with incorporated static wire

**COVER:** EPDM, pin-pricked, tan

**BRANDING:** None

**TEMPERATURE RANGE:** -40°F (-40°C) to +185°F (+85°C)

**FEATURES:** Superior abrasion resistant 1/4" gum tube, flexible.  
Cover is weather and abrasion resistant. The non-marking cover allows for work around buildings and pool tiles.

**APPLICATION:** For conveyance of sand and cement to mixing gun.

**STANDARD LENGTHS:** 50 ft.



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4310-0150-050</b>	1-1/2	38.10	2.38	60.33	2	150	10.34	1.10	1.64	15.00	380.00	✓
<b>4310-0163-050</b>	1-5/8	41.28	2.50	63.50	2	150	10.34	1.23	1.83	16.50	420.00	✓
<b>4310-0175-050</b>	1-3/4	44.45	2.63	66.68	2	150	10.34	1.52	2.26	17.50	445.00	
<b>4310-0200-050</b>	2	50.80	2.88	72.90	2	150	10.34	1.65	2.46	20.00	508.00	✓
<b>4310-0250-050</b>	2-1/2	63.50	3.88	98.30	2	150	10.34	2.30	3.42	25.00	635.00	✓

**4312**

**2-PLY SANDBLAST HOSE**

**TUBE:** SBR/NR blend, 1/4" thick, black, static dissipating

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR/NR blend, pin-pricked

**BRANDING:** None

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Highly abrasion resistant tube to handle any blast grist.  
Abrasion and weather resistant cover.

**APPLICATION:** For conveyance of highly abrasive materials in sandblasting/cleaning and general maintenance in construction, shipyards, power plants and equipment rental.

**STANDARD LENGTHS:** 50 ft.



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4312-0050-050</b>	1/2	12.70	1.00	25.40	2	150	10.34	0.31	0.46	5.00	127.00	✓
<b>4312-0051-050</b>	1/2	12.70	1.06	26.99	2	150	10.34	0.33	0.49	5.00	127.00	✓
<b>4312-0052-050</b>	1/2	12.70	1.13	28.58	2	150	10.34	0.38	0.57	5.00	127.00	✓
<b>4312-0075-050</b>	3/4	19.05	1.50	38.10	2	150	10.34	0.60	0.89	7.50	190.00	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

## 4313

## LIGHTWEIGHT SANDBLAST HOSE

**TUBE:** SBR/NR blend, black, static dissipating

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR/NR blend, black

**BRANDING:** Jason logo 4313 LW Blast 1-7/8" O.D. WP (PSI) (BAR)  
Green Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Lighter in weight than standard sandblast hose, but with the same high quality features. Utilizes couplings or nozzle holders made to fit 1-7/8" O.D. hose.

**APPLICATION:** For the conveyance of highly abrasive materials in sandblasting/cleaning operations.

**STANDARD LENGTHS:** 50 ft. or 100 ft. lengths



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4313-0125-050	1-1/4	31.75	1.88	47.63	2	150	10.34	0.83	1.24	10.00	254.00	✓
4313-0125-100	1-1/4	31.75	1.88	47.63	2	150	10.34	0.83	1.24	10.00	254.00	

## 4314

## 4-PLY SANDBLAST HOSE

**TUBE:** SBR/NR blend, 1/4" thick, black, static dissipating

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR/NR blend, pin-pricked, black

**BRANDING:** Jason logo 4314 4-Ply Blast WP (PSI) (BAR)  
Green Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Highly abrasion resistant tube to handle manufactured coal slag, aluminum oxide or grit. Each O.D. is held to strict tolerances for ideal coupling compatibility. (RMA) Cover is abrasion and weather resistant.

**APPLICATION:** For the conveyance of highly abrasive materials in sandblasting/cleaning operations used in construction, shipyards, steel mills and refineries.

**STANDARD LENGTHS:** 50 ft. or 100 ft. lengths



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4314-0075-050	3/4	19.05	1.50	38.10	4	150	10.34	0.66	0.98	7.50	190.00	✓
4314-0100-050	1	25.40	1.88	47.63	4	150	10.34	0.80	1.19	10.00	254.00	✓
4314-0125-050	1-1/4	31.75	2.16	53.18	4	150	10.34	1.04	1.55	12.60	320.00	✓
4314-0150-050	1-1/2	38.10	2.38	60.33	4	150	10.34	1.25	1.86	15.00	380.00	✓
4314-0200-050	2	50.80	2.88	73.03	4	150	10.34	1.45	2.16	20.00	508.00	✓
4314-0075-100	3/4	19.05	1.50	38.10	4	150	10.34	0.66	0.98	7.50	190.00	✓
4314-0100-100	1	25.40	1.88	47.63	4	150	10.34	0.80	1.19	10.00	254.00	✓
4314-0125-100	1-1/4	31.75	2.16	53.18	4	150	10.34	1.04	1.55	12.60	320.00	✓
4314-0150-100	1-1/2	38.10	2.38	60.33	4	150	10.34	1.25	1.86	15.00	380.00	✓
4314-0200-100	2	50.80	2.88	73.03	4	150	10.34	1.45	2.16	20.00	508.00	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

## 4450

## RUBBER WATER SUCTION HOSE

**TUBE:** EPDM blend, smooth, black

**REINFORCEMENT:** Synthetic fabric with wire helix

**COVER:** EPDM blend, fabric impression

**BRANDING:** Jason logo 4450 Water S/D

Yellow Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Resistant to water-based ag fertilizers and salt water. Flexible and economical. Cover is weather and ozone resistant.

**APPLICATION:** For suction, discharge or gravity flow of water in construction, mining, oil exploration, agriculture and equipment rental.

**STANDARD LENGTHS:** 1-1/4" to 5" I.D. 100 ft.; 6" I.D. 20 ft., 50 ft. and 100 ft.; 10" and 12" I.D., 20 ft.

**VACUUM:** Sizes 1-1/4" to 10" I.D., 28 in. Hg; Sizes 12" and 14" I.D., 25 in. Hg



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4450-0100-100	1 25.40	1.38 35.00	2	150 10.34	0.49 0.73	6.00 152.40	✓
4450-0125-100	1-1/4 31.75	1.70 43.18	2	150 10.34	0.75 1.12	6.00 152.40	✓
4450-0150-100	1-1/2 38.10	1.96 49.78	2	150 10.34	0.80 1.19	6.50 165.10	✓
4450-0200-100	2 50.80	2.49 63.25	2	150 10.34	1.11 1.65	8.00 203.20	✓
4450-0250-100	2-1/2 63.50	2.99 75.95	2	150 10.34	1.75 2.60	10.00 254.00	✓
4450-0300-100	3 76.20	3.50 88.90	2	150 10.34	2.24 3.33	12.00 304.80	✓
4450-0400-100	4 101.60	4.53 115.06	2	150 10.34	2.79 4.15	18.00 457.20	✓
4450-0500-100	5 127.00	5.68 144.27	2	150 10.34	3.25 4.84	26.00 660.40	✓
4450-0600-100	6 152.40	6.54 166.12	2	150 10.34	5.75 8.56	31.00 787.40	✓
4450-0600-050	6 152.40	6.54 166.12	2	150 10.34	5.75 8.56	31.00 787.40	✓
4450-0600-020	6 152.40	6.54 166.12	2	150 10.34	5.75 8.56	31.00 787.40	✓
4450-0800-020	8 203.20	8.79 223.27	4	100 6.89	6.59 9.81	42.00 1066.80	✓
4450-1000-020	10 254.00	10.91 277.11	4	75 5.17	10.25 15.25	50.00 1270.00	✓
4450-1200-020	12 304.80	12.91 327.91	4	75 5.17	13.50 20.09	60.00 1524.00	✓
4450-1400-020	14 355.60	15.13 384.20	4	45 2.42	16.75 24.85	72.00 1828.80	✓

## 4360

## PAPERMILL WASHDOWN HOSE

**TUBE:** SBR, white

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR, white color

**BRANDING:** Jason logo 4360 WP (PSI) (BAR)

Black Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Permanent built-on nozzle to reduce damage to papermill pulp screens. Cover is weather and ozone resistant.

**APPLICATION:** For washdown service with hot water to +180°F (+82°C)

**STANDARD LENGTHS:** 50 ft.



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4360-0075-050	3/4 19.05	1.25 31.75	2	150 10.34	0.50 0.74	7.50 190.00	✓
4360-0100-050	1 25.40	1.44 36.51	2	150 10.34	0.55 0.82	10.00 254.00	✓
4360-0125-050	1-1/4 31.75	1.75 44.45	2	150 10.34	0.70 1.04	12.60 320.00	✓
4360-0150-050	1-1/2 38.10	2.06 52.39	2	150 10.34	1.00 1.49	15.00 380.00	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

## 4352

## RUBBER 2-PLY WATER DISCHARGE HOSE

**TUBE:** SBR, smooth, black

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR, fabric impression, black

**BRANDING:** Jason logo 4352 I.D. Water Discharge WP (PSI) (BAR)  
Blue Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Ideal for standard working pressure, lays flat and rolls up for easy storage. Cover is weather and ozone resistant.

**APPLICATION:** For general construction, mine water discharge, equipment rental.

**STANDARD LENGTHS:** 1-1/2" to 6-5/8" I.D. 100 ft.; 8", 10" and 12" I.D. 50 ft.



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4352-0150-100	1-1/2 38.10	1.81 45.97	2	150 10.34	0.60 0.89	15.00 380.00	✓
4352-0200-100	2 50.80	2.31 58.67	2	150 10.34	0.84 1.25	20.00 508.00	✓
4352-0250-100	2-1/2 63.50	2.75 69.85	2	150 10.34	0.91 1.35	25.00 635.00	✓
4352-0300-100	3 76.20	3.38 85.85	2	150 10.34	1.12 1.67	30.00 762.00	✓
4352-0400-100	4 101.60	4.37 111.00	2	150 10.34	1.25 1.86	40.00 1016.00	✓
4352-0500-100	5 127.00	5.51 139.95	2	150 10.34	2.29 3.41	50.00 1270.00	✓
4352-0600-100	6 152.40	6.50 165.10	2	150 10.34	3.45 5.13	60.00 1524.00	✓
4352-0662-100	6-5/8 168.28	7.13 181.10	2	125 8.62	3.70 5.51	72.00 1828.80	✓
4352-0800-050	8 203.20	8.50 215.90	2	100 6.89	4.30 6.40	80.00 2030.00	✓
4352-1000-050	10 254.00	10.50 266.70	2	100 6.89	5.40 8.04	100.00 2540.00	✓
4352-1200-050	12 304.80	12.50 317.50	2	100 6.89	6.75 10.04	120.00 3058.00	✓

## 4354

## RUBBER 4-PLY WATER DISCHARGE HOSE

**TUBE:** SBR, smooth, black

**REINFORCEMENT:** Synthetic fabric

**COVER:** SBR, fabric impression, black

**BRANDING:** Jason logo 4354 I.D. Water Discharge WP (PSI) (BAR)  
Yellow Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Ideal high pressure water discharge hose for rugged, tough operating conditions. Cover is weather and ozone resistant.

**APPLICATION:** For water discharge in construction, mines and quarries, and heavy duty equipment rental.

**STANDARD LENGTHS:** 1-1/2" to 6" I.D. 100 ft.; 8", 10" and 12" I.D. 50 ft.



Part Number	I.D. in. mm.	O.D. in. mm.	Rein. Plies	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4354-0150-100	1-1/2 38.10	2.00 50.80	4	250 17.24	0.83 1.24	15.00 380.00	✓
4354-0200-100	2 50.80	2.56 65.02	4	250 17.24	1.11 1.65	20.00 508.00	✓
4354-0250-100	2-1/2 63.50	3.07 77.98	4	250 17.24	1.24 1.85	25.00 635.00	✓
4354-0300-100	3 76.20	3.58 90.93	4	225 15.51	1.50 2.23	30.00 762.00	✓
4354-0400-100	4 101.60	4.61 117.09	4	200 13.79	1.85 2.75	40.00 1016.00	✓
4354-0600-100	6 152.40	6.57 166.88	4	150 10.34	3.90 5.80	60.00 1524.00	✓
4354-0800-050	8 203.20	8.66 219.96	4	125 8.62	5.25 7.81	80.00 2030.00	✓
4354-1000-050	10 254.00	10.66 270.76	4	125 8.62	6.29 9.36	100.00 2540.00	✓
4354-1200-050	12 304.80	12.68 322.07	4	125 8.62	7.83 11.65	120.00 3058.00	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

## 4705

## MUNICIPAL GRADE SJ MILL DISCHARGE HOSE

**TUBE:** SBR, smooth

**REINFORCEMENT:** N/A

**COVER:** 100% polyester single jacket

**BRANDING:** I.D. SJ Mill WP (PSI) (BAR)

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Heavy-duty synthetic cover for better abrasion resistance and abuse. Higher working pressures.

**APPLICATION:** For water discharge service in rental yards, fleet service, municipal washdown, utility dewatering.

**STANDARD LENGTHS:** 50 ft. or 100 ft.



Part Number	I.D. in. mm.	Cplng Bowl in. mm.	Rein. Plies	Serv. Press. PSI BAR	Test Press. PSI BAR	Weight lb./ft. KG/m	Min. Bend Rad. in. mm	Stock Item
4705-0150-050	1-1/2 38.10	1.81 46.04	n/a	230 15.86	600 41.37	0.23 0.34	n/a n/a	✓
4705-0200-050	2 50.80	2.31 58.74	n/a	230 15.86	600 41.37	0.28 0.42	n/a n/a	✓
4705-0250-050	2-1/2 63.50	2.81 71.44	n/a	200 13.79	550 37.92	0.39 0.58	n/a n/a	✓
4705-0300-050	3 76.20	3.38 85.73	n/a	200 13.79	550 37.92	0.50 0.74	n/a n/a	✓
4705-0400-050	4 101.60	4.38 111.13	n/a	200 13.79	550 37.92	0.66 0.98	n/a n/a	✓
4705-0150-100	1-1/2 38.10	1.81 46.04	n/a	230 15.86	600 41.37	0.23 0.34	n/a n/a	✓
4705-0200-100	2 50.80	2.31 58.74	n/a	230 15.86	600 41.37	0.28 0.42	n/a n/a	✓
4705-0250-100	2-1/2 63.50	2.81 71.44	n/a	200 13.79	550 37.92	0.39 0.58	n/a n/a	✓
4705-0300-100	3 76.20	3.38 85.73	n/a	200 13.79	550 37.92	0.50 0.74	n/a n/a	✓
4705-0400-100	4 101.60	4.38 111.13	n/a	200 13.79	550 37.92	0.66 0.98	n/a n/a	✓

## 4504

## WINE RED PVC WATER DISCHARGE HOSE

**TUBE & COVER:** Wine Red PVC

**REINFORCEMENT:** Polyester yarn

**BRANDING:** Jason logo ID WP (PSI)

**TEMPERATURE RANGE:** -14°F (-26°C) to +150°F (+66°C)

**FEATURES:** Medium duty hose; rolls flat for storage. Homogeneous construction eliminates tube and cover separation. Reinforced with polyester yarn, both tube and cover are extruded simultaneously to achieve maximum bonding.

**APPLICATION:** For general purpose water discharge in construction, agriculture and drip irrigation.

**STANDARD LENGTHS:** 300 ft.; 2" and 3" I.D. are also available in 50 ft. lengths.

300 ft. Bulk / 50 ft. Coupled (AB; Aluminum male x Female Brass Swivel Pin Lug NPSH)  
(CE; Aluminum Coupler x Male Adapter)



Part Number	I.D. in. mm.	Wall Thickness in. mm.	Rein.	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4504-1500	1-1/2 38.10	0.076 1.93	n/a	85 5.86	0.21 0.31	n/a n/a	✓
4504-2000	2 50.80	0.076 1.93	n/a	85 5.86	0.25 0.37	n/a n/a	✓
4504-2500	2-1/2 63.50	0.079 2.01	n/a	75 5.17	0.29 0.43	n/a n/a	✓
4504-3000	3 76.20	0.081 2.01	n/a	70 4.83	0.39 0.58	n/a n/a	✓
4504-4000	4 101.60	0.062 2.06	n/a	70 4.83	0.60 0.89	n/a n/a	✓
4504-6000	6 152.40	0.112 2.84	n/a	50 3.45	1.15 1.71	n/a n/a	✓
4504-8000	8 203.20	0.124 3.15	n/a	45 3.10	1.20 1.79	n/a n/a	✓
4504-2000-050AB	2 50.80	0.076 1.93	n/a	85 5.86	0.25 0.37	n/a n/a	✓
4504-2000-050CE	2 50.80	0.076 1.93	n/a	85 5.86	0.25 0.37	n/a n/a	✓
4504-3000-050AB	3 76.20	0.079 2.01	n/a	70 4.83	0.39 0.58	n/a n/a	✓
4504-3000-050CE	3 76.20	0.079 2.01	n/a	70 4.83	0.39 0.58	n/a n/a	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

**4703**

**DJ MILL DISCHARGE HOSE**

**TUBE:** SBR, smooth, black

**REINFORCEMENT:** N/A

**COVER:** 100% polyester double jacket

**BRANDING:** I.D. x length double jacket

**TEMPERATURE RANGE:** -25°F (-32°C) to +185°F (+85°C)

**FEATURES:** Double cover gives heavy duty abrasion resistance and increased service pressure. Economical, rolls flat for storage.

**APPLICATION:** Municipal washdown or hydrant-to-truck water supply line. Heavy duty equipment/pump rental, ship/deck washdown or fire brigade ship service.

**STANDARD LENGTHS:** 50 ft. or 100 ft. lengths



Part Number	I.D. in. mm.	Cpling Bowl in. mm.	Rein. Plies	Serv. Press. PSI BAR	Test Press. PSI BAR	Weight lb./ft. KG/m	Min. Bend Rad. in. mm	Carton Qty.	Stock Item
<b>4703-1500</b>	1-1/2 38.10	1.94 46.04	n/a	300 20.68	600 41.36	0.26 0.39	n/a n/a	6	✓
<b>4703-2000</b>	2 50.80	2.50 58.74	n/a	300 20.68	600 41.36	0.33 0.49	n/a n/a	4	✓
<b>4703-2500</b>	2-1/2 63.50	2.81 71.44	n/a	300 20.68	600 41.36	0.45 0.67	n/a n/a	3	✓
<b>4703-1501</b>	1-1/2 38.10	1.94 46.04	n/a	300 20.68	600 41.36	0.26 0.39	n/a n/a	1	✓
<b>4703-2001</b>	2 50.80	2.50 58.74	n/a	300 20.68	600 41.36	0.33 0.49	n/a n/a	1	✓
<b>4703-2501</b>	2-1/2 63.50	2.81 71.44	n/a	300 20.68	600 41.36	0.45 0.67	n/a n/a	1	✓

**4703**

**COUPLED DJ MILL DISCHARGE HOSE**

**All of the same great features and benefits as our bulk hose, and now with the added benefit of coupled assemblies.**

**Couplings are internally expanded, aluminum, hardcoated NPS or NST Male x Female rocker lug.**



Part Number	I.D. in. mm.	Thread	Weight (lb./ft.) (kg/m)	Stock Item (✓)
<b>4703-1500-050ERNPS</b>	1-1/2 38.10	NPS	15.00 22.32	✓
<b>4703-1500-050ERNST</b>	1-1/2 50.80	NST	15.00 22.32	✓
<b>4703-2000-050ERNPS</b>	2 63.50	NPS	20.00 29.76	✓
<b>4703-2500-050ERNPS</b>	2-1/2 76.20	NPS	25.00 37.20	✓
<b>4703-2500-050ERNST</b>	2-1/2 101.60	NST	25.00 37.20	✓

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

## 4380 NON-CONDUCTIVE FURNACE DOOR COOLANT HOSE

**TUBE:** EPDM, white, smooth, non-conductive

**REINFORCEMENT:** Synthetic fabric

**COVER:** Glass fiber ply impregnated with heat and flame-resistant synthetic rubber.

**BRANDING:** None

**TEMPERATURE RANGE:** -40°F (-40°C) to +266°F (+130°C)  
Cover to +575°F (+302°C)

**FEATURES:** Superior heat resistant cover. Resists heat, open flame and splashes of white hot metal to +575°F (+302°C).

**APPLICATION:** Conveys cooling water to furnace doors in steel mills, glass plants and similar operations.

**STANDARD LENGTHS:** 100 ft.



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4380-0050-100	1/2	12.70	0.91	23.11	2	150	10.34	0.20	0.30	5.00	127.00	✓
4380-0075-100	3/4	19.05	1.19	30.23	2	150	10.34	0.30	0.45	7.50	190.00	✓
4380-0100-100	1	25.40	1.38	35.05	2	150	10.34	0.50	0.74	10.00	254.00	✓
4380-0125-100	1-1/4	31.75	1.75	44.45	2	150	10.34	0.90	1.34	12.60	320.00	✓
4380-0150-100	1-1/2	38.10	2.00	50.80	2	150	10.34	1.00	1.49	15.00	380.00	✓
4380-0200-100	2	50.80	2.53	64.26	2	150	10.34	1.10	1.64	20.00	508.00	✓

## 4502 BLUE PVC WATER DISCHARGE HOSE

**TUBE:** Blue PVC

**REINFORCEMENT:** Polyester yarn

**COVER:** Blue PVC

**BRANDING:** Jason logo WP (PSI)

**TEMPERATURE RANGE:** -14°F (-26°C) to +150°F (+66°C)

**FEATURES:** Light and easy to handle; rolls flat for storage.

Homogeneous construction eliminates tube and cover separation. Reinforced with polyester yarn, both tube and cover are extruded simultaneously to achieve maximum bonding.

**APPLICATION:** For general purpose water discharge in construction, agriculture and drip irrigation.

**STANDARD LENGTHS:** 300 ft.; 2" and 3" I.D. are also available in 50 ft. lengths



Part Number	I.D.		Wall Thickness		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4502-1500	1-1/2	38.10	0.056	1.42	1	85	5.86	0.21	0.31	n/a	n/a	✓
4502-2000	2	50.80	0.056	1.42	1	85	5.86	0.25	0.37	n/a	n/a	✓
4502-2500	2-1/2	63.50	0.060	1.52	1	75	5.17	0.29	0.43	n/a	n/a	✓
4502-3000	3	76.20	0.062	1.57	1	70	4.83	0.39	0.58	n/a	n/a	✓
4502-4000	4	101.60	0.062	1.57	1	70	4.83	0.60	0.89	n/a	n/a	✓
4502-6000	6	152.40	0.077	1.96	1	50	3.45	1.15	1.71	n/a	n/a	✓
4502-8000	8	203.20	0.089	2.26	1	45	3.10	1.20	1.79	n/a	n/a	✓
4502-2000-050	2	50.80	0.056	1.42	1	85	5.86	0.25	0.37	n/a	n/a	✓
4502-3000-050	3	76.20	0.062	1.57	1	70	4.83	0.39	0.58	n/a	n/a	✓

See page 30 for our complete line of 4502 Water Discharge Assemblies.

All sizes may not be stocked in all locations. Check with customer service for availability.



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

## 4510

## RED PVC WATER DISCHARGE HOSE

**TUBE:** PVC, smooth, black

**REINFORCEMENT:** Synthetic fabric

**COVER:** PVC, smooth, red

**BRANDING:** Country of origin

**TEMPERATURE RANGE:** -14°F (-26°C) to +150°F (+66°C)

**FEATURES:** High working pressures, economical, easy to handle, rolls flat. Manufactured for tough abuse. Cover is weather ozone and UV resistant.

**APPLICATION:** For water discharge in construction, mining, agriculture and heavy duty equipment rental.

**STANDARD LENGTHS:** 300 ft.



Part Number	I.D. in. mm.	Wall Thickness in. mm.	Rein. Braid	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4510-1500	1-1/2 38.10	0.081 2.06	1	170 11.72	0.28 0.42	n/a n/a	✓
4510-2000	2 50.80	0.089 2.26	1	170 11.72	0.30 0.45	n/a n/a	✓
4510-2500	2-1/2 63.50	0.092 2.34	1	160 11.03	0.37 0.55	n/a n/a	✓
4510-3000	3 76.20	0.098 2.49	1	160 11.03	0.46 0.68	n/a n/a	✓
4510-4000	4 101.60	0.110 2.79	1	150 10.34	0.67 1.00	n/a n/a	✓
4510-6000	6 152.40	0.121 3.07	1	150 10.34	1.08 1.61	n/a n/a	✓
4510-8000	8 203.20	0.138 3.51	1	115 7.93	1.55 2.31	n/a n/a	✓

## 4520\*

## YELLOW PVC WATER DISCHARGE HOSE WATER JETTING HOSE

**TUBE:** PVC, smooth, black

**REINFORCEMENT:** Synthetic fabric

**COVER:** PVC, smooth, yellow

**BRANDING:** Country of origin

**TEMPERATURE RANGE:** -14°F (-26°C) to +150°F (+66°C)

**FEATURES:** Stronger with a more abrasion resistant cover that is very thick. Withstands wear from dragging. Cover is weather ozone and UV resistant.

**APPLICATION:** For heavy duty water discharge in construction, mining and agriculture. Gives longer life due to heavier construction. The ideal culvert jetting hose that can be washed down and rolled flat for storage.

**STANDARD LENGTHS:** 1-1/2" to 6" I.D., 300 ft.; 8" I.D., 100 ft.



Part Number	I.D. in. mm.	Wall Thickness in. mm.	Rein. Braid	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4520-1500*	1-1/2 38.10	0.090 2.29	1	250 17.24	0.48 0.71	n/a n/a	✓
4520-2000*	2 50.80	0.110 2.79	1	250 17.24	0.60 0.89	n/a n/a	✓
4520-2500*	2-1/2 63.50	0.115 2.92	1	250 17.24	0.79 1.18	n/a n/a	✓
4520-3000*	3 76.20	0.120 3.05	1	250 17.24	0.98 1.46	n/a n/a	✓
4520-4000*	4 101.60	0.162 4.11	1	200 13.79	1.44 2.14	n/a n/a	✓
4520-6000*	6 152.40	0.175 4.45	1	160 11.03	2.16 3.21	n/a n/a	✓
4520-8000*	8 203.20	0.210 5.33	1	150 10.34	2.56 3.81	n/a n/a	✓

\* Available until all stock has been depleted. Contact customer service.

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

**4654**

**SEPTIC AND AGRICULTURAL EPDM SUCTION HOSE**

**TUBE:** EPDM

**REINFORCEMENT:** Polypropylene helix, green

**COVER:** EPDM, corrugated

**BRANDING:** None

**TEMPERATURE RANGE:** -40°F (-40°C) to +175°F (+79°C)

**FEATURES:** EPDM rubber with polypropylene helix characterizing a smooth tube and corrugated cover.

**APPLICATION:** For suction or discharge in cesspool cleaning, liquid waste, septic handling, construction and marine use. Ideal herbicide and pesticide transfer hose for agriculture. Do not use with anhydrous ammonia.

**STANDARD LENGTHS:** 100 ft.

**VACUUM:** All sizes, 28 in. Hg



WATER HOSE

Part Number	I.D. in. mm.	O.D. in. mm.	Rein.	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4654-0200-100	2 50.80	2.43 61.72	PP Helix	45 3.10	0.50 0.74	6.00 152.40	✓
4654-0300-100	3 76.20	3.51 89.15	PP Helix	45 3.10	0.87 1.29	8.00 203.20	✓
4654-0400-100	4 101.60	4.60 116.84	PP Helix	40 2.76	1.47 2.19	11.00 279.40	✓
4654-0600-100	6 152.40	6.70 170.18	PP Helix	30 2.07	2.65 3.94	22.00 558.80	

**4601**

**GREEN PVC WATER SUCTION HOSE**

**4615**

**CLEAR/WHITE HELIX PVC WATER SUCTION HOSE**

**TUBE:** PVC, smooth, green or clear

**REINFORCEMENT:** PVC helix

**COVER:** PVC, smooth to lightly corrugated, green or clear

**BRANDING:** None

**TEMPERATURE RANGE:** -14°F (-26°C) to +150°F (+66°C)

**FEATURES:** Lightweight and flexible with a smooth, non-restricting tube. Use 4615 for visual flow inspection. Cover is weather, ozone and UV resistant.

**APPLICATION:** Suction, discharge or gravity flow of water, salt water and mild diluted acids in construction, agriculture, mining or equipment rental

**STANDARD LENGTHS:** 100 ft.

**VACUUM:** Sizes 3/4" to 2" I.D., 28 in. Hg; Sizes 2-1/2" to 6" I.D., 26 in. Hg



Part Number	I.D. in. mm.	O.D. in. mm.	Rein.	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4601-0750	3/4 19.05	0.95 24.13	PVC Helix	100 6.89	0.16 0.24	2.00 50.80	✓
4601-1000	1 25.40	1.22 30.99	PVC Helix	100 6.89	0.20 0.30	5.00 127.00	✓
4601-1250	1-1/4 31.75	1.41 35.81	PVC Helix	100 6.89	0.26 0.39	6.00 152.40	✓
4601-1500	1-1/2 38.10	1.77 44.96	PVC Helix	100 6.89	0.35 0.52	7.00 177.80	✓
4601-2000	2 50.80	2.32 58.93	PVC Helix	100 6.89	0.54 0.80	9.00 228.60	✓
4601-2500	2-1/2 63.50	2.87 72.90	PVC Helix	80 5.52	0.70 1.04	11.00 279.40	✓
4601-3000	3 76.20	3.35 85.09	PVC Helix	75 5.17	0.93 1.38	14.00 355.60	✓
4601-4000	4 101.60	4.49 114.05	PVC Helix	60 4.14	1.48 2.20	18.00 457.20	✓
4601-6000	6 152.40	6.46 164.08	PVC Helix	50 3.45	2.89 4.30	31.00 787.40	✓
4615-0750	3/4 19.05	0.95 24.13	PVC Helix	100 6.89	0.16 0.24	2.00 50.80	✓
4615-1000	1 25.40	1.22 30.99	PVC Helix	100 6.89	0.20 0.30	5.00 127.00	✓
4615-1250	1-1/4 31.75	1.41 35.81	PVC Helix	100 6.89	0.26 0.39	6.00 152.40	✓
4615-1500	1-1/2 38.10	1.77 44.96	PVC Helix	100 6.89	0.35 0.52	7.00 177.80	✓
4615-2000	2 50.80	2.32 58.93	PVC Helix	100 6.89	0.54 0.80	9.00 228.60	✓
4615-2500	2-1/2 63.50	2.87 72.90	PVC Helix	80 5.52	0.70 1.04	11.00 279.40	✓
4615-3000	3 76.20	3.35 85.09	PVC Helix	75 5.17	0.93 1.38	14.00 355.60	✓
4615-4000	4 101.60	4.49 114.05	PVC Helix	60 4.14	1.48 2.20	18.00 457.20	✓
4615-6000	6 152.40	6.46 164.08	PVC Helix	50 3.45	2.89 4.30	31.00 787.40	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

## 4358 NITRILE/PVC OIL RESISTANT, RIBBED DISCHARGE HOSE

**TUBE:** NBR

**REINFORCEMENT:** N/A

**COVER:** NBR/PVC, ribbed

**BRANDING:** None

**TEMPERATURE RANGE:** -20°F (-29°C) to +210°F (+99°C)

**FEATURES:** Oil resistant tube and cover. Resists heat and cold, abrasion, ozone and UV. This hose is lightweight and flexible.

**APPLICATION:** For use in industrial washdown, irrigation, general dewatering, pump discharge and drainage

**STANDARD LENGTHS:** 100 ft. or 50 ft.



Part Number	I.D. in. mm.	Wall Thickness in. mm.	Rein. Braid	Max W.P. PSI BAR	Weight lb./ft. KG/m	Min. Bend Radius in. mm	Stock Item
4358-0150-50	1-1/2 38.10	0.091 2.29	n/a	250 17.24	0.26 0.39	n/a n/a	✓
4358-0200-50	2 50.80	0.109 2.77	n/a	250 17.24	0.34 0.51	n/a n/a	✓
4358-0250-50	2-1/2 63.50	0.109 2.77	n/a	250 17.24	0.47 0.70	n/a n/a	✓
4358-0300-50	3 76.20	0.114 2.90	n/a	250 17.24	0.65 0.97	n/a n/a	✓
4358-0400-50	4 102.40	0.114 2.90	n/a	250 17.24	0.83 1.24	n/a n/a	✓
4358-0150-100	1-1/2 38.10	0.091 2.29	n/a	250 17.24	0.26 0.39	n/a n/a	✓
4358-0200-100	2 50.80	0.109 2.77	n/a	250 17.24	0.34 0.51	n/a n/a	✓
4358-0250-100	2-1/2 63.50	0.109 2.77	n/a	250 17.24	0.47 0.70	n/a n/a	✓
4358-0300-100	3 76.20	0.114 2.90	n/a	250 17.24	0.65 0.97	n/a n/a	✓
4358-0400-100	4 102.40	0.114 2.90	n/a	250 17.24	0.83 1.24	n/a n/a	✓

## 4502 BLUE PVC WATER DISCHARGE ASSEMBLIES

**TUBE:** Blue PVC

**REINFORCEMENT:** Polyester yarn

**COVER:** Blue PVC

**BRANDING:** Jason logo WP (PSI)

**TEMPERATURE RANGE:** -14°F (-26°C) to +150°F (+66°C)

**FEATURES:** Light and easy to handle; rolls flat for storage. Homogeneous construction eliminates tube and cover separation. Reinforced with polyester yarn, both tube and cover are extruded simultaneously to achieve maximum bonding.

**APPLICATION:** For general purpose water discharge in construction, agriculture and drip irrigation.

**STANDARD LENGTHS:** 50 ft. lengths



CUT • COUPLED • COILED • TIED

Part Number	Coupling	ID x Length	Max W.P.	Weight (Ea.)	Stock Item
4502-1500-050AB	1-1/2" AB Pin Lug (M x F)	1-1/2" x 50'	85 5.86	9 lbs.	✓
4502-2000-050AB	2" AB Pin Lug (M x F)	2" x 50'	85 5.86	12 lbs.	✓
4502-3000-050AB	3" AB Pin Lug (M x F)	3" x 50'	70 4.83	22 lbs.	✓
4502-1500-050CE	1-1/2" AL Cam Lock (C x E)	1-1/2" x 50'	85 5.86	9 lbs.	✓
4502-2000-050CE	2" AL Cam Lock (C x E)	2" x 50'	85 5.86	12 lbs.	✓
4502-3000-050CE	3" AL Cam Lock (C x E)	3" x 50'	70 4.83	22 lbs.	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# SPRAY HOSE

**4182**

**MSHA MINE SPRAY HOSE**

**TUBE:** SBR, smooth, black

**REINFORCEMENT:** Two steel wire plies

**COVER:** Neoprene, fabric impression, pin-pricked, yellow

**BRANDING:** Jason logo Mine Spray MSHA IC0215/00

1000 PSI WP 69 BAR

Black Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** 0°F (-18°C) to +200°F (+93°C)

**FEATURES:** Visible yellow color, flame retardant

**APPLICATION:** For dust control in underground water spray operations.

**STANDARD LENGTHS:** 50 and 100 ft.



Part Number	I.D.		O.D.		Rein. Plies	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4182-0075-050</b>	3/4	19.05	1.22	30.99	2	1000	68.95	0.60	0.89	8.30	210.00	✓
<b>4182-0100-050</b>	1	25.40	1.49	37.85	2	1000	68.95	0.80	1.19	11.00	280.00	✓
<b>4182-0125-050</b>	1-1/4	31.75	1.81	45.97	2	1000	68.95	1.05	1.56	14.00	355.00	✓
<b>4182-0150-050</b>	1-1/2	38.10	2.04	51.82	2	1000	68.95	1.24	1.85	16.50	420.00	✓
<b>4182-0200-050</b>	2	50.80	2.60	66.04	2	1000	68.95	1.80	2.68	22.00	560.00	
<b>4182-0075-100</b>	3/4	19.05	1.22	30.99	2	1000	68.95	0.60	0.89	8.30	210.00	✓
<b>4182-0100-100</b>	1	25.40	1.49	37.85	2	1000	68.95	0.80	1.19	11.00	280.00	✓
<b>4182-0125-100</b>	1-1/4	31.75	1.81	45.97	2	1000	68.95	1.05	1.56	14.00	355.00	✓
<b>4182-0150-100</b>	1-1/2	38.10	2.04	51.82	2	1000	68.95	1.24	1.85	16.50	420.00	
<b>4182-0200-100</b>	2	50.80	2.60	66.04	2	1000	68.95	1.80	2.68	22.00	560.00	

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# STEAM HOSE

FOR THE TRANSFER OF SATURATED STEAM

**4815**

**EPDM STEAM HOSE**

**TUBE:** EPDM, black

**REINFORCEMENT:** Steel wire

**COVER:** EPDM, black, pin-pricked, fabric impression

**BRANDING:** Jason logo 4815 EPDM 250 PSI WP Drain after use  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** To +450°F (+232°C)

**FEATURES:** High working pressure and high temperature rating.  
Cover is pin-pricked to allow venting to eliminate  
blistering and cover separation. Cover is also weather  
and ozone resistant.

**APPLICATION:** Convenience of steam in chemical/petroleum, food,  
lumber, pulp, processing industries.

**STANDARD LENGTHS:** 50 and 100 ft.



Part Number	I.D.		O.D.		Rein. Braids	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4815-0050-050</b>	1/2	12.70	1.00	25.40	2	250	17.24	0.40	0.60	5.90	150.00	✓
<b>4815-0075-050</b>	3/4	19.05	1.25	31.75	2	250	17.24	0.51	0.76	8.30	210.00	✓
<b>4815-0100-050</b>	1	25.40	1.50	38.10	2	250	17.24	0.67	1.00	11.00	280.00	✓
<b>4815-0125-050</b>	1-1/4	31.75	1.81	46.04	2	250	17.24	0.87	1.29	14.00	355.00	✓
<b>4815-0150-050</b>	1-1/2	38.10	2.13	54.61	2	250	17.24	1.11	1.65	16.50	420.00	✓
<b>4815-0200-050</b>	2	50.80	2.64	67.07	2	250	17.24	1.80	2.68	22.00	560.00	✓
<b>4815-0300-050</b>	3	76.20	3.81	96.84	2	250	17.24	3.17	4.72	30.00	762.00	✓
<b>4815-0050-100</b>	1/2	12.70	1.00	25.40	2	250	17.24	0.40	0.60	5.90	150.00	✓
<b>4815-0075-100</b>	3/4	19.05	1.25	31.75	2	250	17.24	0.51	0.76	8.30	210.00	✓
<b>4815-0100-100</b>	1	25.40	1.50	38.10	2	250	17.24	0.67	1.00	11.00	280.00	✓
<b>4815-0125-100</b>	1-1/4	31.75	1.81	46.04	2	250	17.24	0.87	1.29	14.00	355.00	✓
<b>4815-0150-100</b>	1-1/2	38.10	2.13	54.61	2	250	17.24	1.11	1.65	16.50	420.00	✓
<b>4815-0200-100</b>	2	50.80	2.64	67.07	2	250	17.24	1.80	2.68	22.00	560.00	✓
<b>4815-0300-100</b>	3	76.20	3.81	96.84	2	250	17.24	3.17	4.72	30.00	762.00	✓

**NOTE: Do Not Use Universal Couplings with Steam Hose.**



# STEAM HOSE

FOR THE TRANSFER OF SATURATED STEAM

**4818**

**BROMOBUTYL STEAM HOSE**

**TUBE:** Bromobutyl, black

**REINFORCEMENT:** Steel wire

**COVER:** EPDM, red, pin-pricked

**BRANDING:** Jason logo 4818 250 PSI WP Drain after use  
White Mylar Longitudinal Stripe

**TEMPERATURE RANGE:** To +450°F (+232°C)

**FEATURES:** Withstands saturated and super-heated steam. Cover is pin-pricked, weather and ozone resistant. Has same characteristics as Chlorobutyl.

**APPLICATION:** Used in severe environmental conditions such as refineries, chemical plants and shipyards to convey steam.

**STANDARD LENGTHS:** 50 and 100 ft.



Part Number	I.D.		O.D.		Rein. Braids	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
<b>4818-0050-050</b>	1/2	12.70	1.00	25.40	2	250	17.24	0.40	0.60	5.90	150.00	✓
<b>4818-0075-050</b>	3/4	19.05	1.25	31.75	2	250	17.24	0.51	0.76	8.30	210.00	
<b>4818-0100-050</b>	1	25.40	1.50	38.10	2	250	17.24	0.67	1.00	11.00	280.00	
<b>4818-0050-100</b>	1/2	12.70	1.00	25.40	2	250	17.24	0.40	0.60	5.90	150.00	
<b>4818-0075-100</b>	3/4	19.05	1.25	31.75	2	250	17.24	0.51	0.76	8.30	210.00	
<b>4818-0100-100</b>	1	25.40	1.50	38.10	2	250	17.24	0.67	1.00	11.00	280.00	

**NOTE: Do Not Use Universal Couplings with Steam Hose.**



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

**WARNING:** The following data has been compiled from generally available sources and should not be relied upon without consulting and following the hose manufacturer's specific chemical recommendations. Neglecting to do so might result in failure of the hose to fulfill its intended purpose, and may result in possible damage to property and serious bodily injury.

ELASTOMER / PLASTICS			
<b>NR</b>	Natural Rubber	<b>EPDM</b>	Ethylene-propylene-diene-terpolymer
<b>IR</b>	Isoprene (synthetic)	<b>FKM</b>	Fluorocarbon rubber (Viton)
<b>SBR</b>	Styrene-butadiene	<b>UHMW</b>	Ultra High Molecular Weight Polyethylene
<b>CR</b>	Chloroprene (Neoprene*)	<b>XLPE</b>	Cross-linked polyethylene
<b>NBR</b>	Nitrile-butadiene (Buna-N)	<b>CSM</b>	Chloro-sulfonyl-polyethylene (Hypalon)
<b>IIR</b>	Isobutene-isoprene (Butyl)		

\*Trademark of DuPont Inc.

RESISTANCE RATING			
E	EXCELLENT	C	ACCEPTABLE
G	GOOD	X	UNSATISFACTORY
F	FAIR	N	NO DATA

**Maximum temperature  
100°F (38°C)  
unless otherwise specified.**

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Acetal	C	C	C	X	G	C	C	G	G	Ammonium Nitrate	G	E	E	E	E	E	E	E	E
Acetaldehyde	C	X	F	X	E	C	G	E	G	Ammonium Nitrite	E	E	E	E	E	E	E	E	E
Acetamide	C	C	G	G	E	G	E	E	E	Ammonium Persulfate	E	X	E	X	E	E	G	E	E
Acetate Solvents	C	X	X	X	C	X	C	E	E	Ammonium Phosphate	E	E	E	E	E	E	E	E	E
Acetic Acid, 10%	X	X	G	X	G	G	G	E	G	Ammonium Sulfate	E	E	E	E	E	E	E	E	E
Acetic Acid, 30%	X	X	C	G	G	G	G	E	E	Ammonium Sulfide	E	E	E	E	E	E	E	E	E
Acetic Acid, 50%	X	X	C	C	G	X	G	E	G	Ammonium Sulfite	E	E	E	E	E	E	E	E	E
Acetic Acid, Glacial	X	X	C	X	G	X	X	G	G	Ammonium Thiocyanate	E	E	E	E	E	E	E	E	E
Acetic Anhydride	X	X	G	X	E	G	E	E	G	Ammonium Thiosulfate	E	E	E	E	E	E	E	E	E
Acetic Ester (Ethyl Acetate)	X	X	X	X	G	X	G	E	E	Amyl Acetate	C	X	X	X	G	X	G	X	X
Acetic Ether (Ethyl Acetate)	X	X	X	X	G	C	G	E	E	Amyl Acetone	X	X	X	X	G	X	G	E	E
Acetic Oxide (Acetic Anhydride)	X	X	X	X	C	G	G	E	E	Amyl Alcohol	E	E	E	E	E	E	E	E	E
Acetone	C	C	F	X	E	F	E	E	E	Amylamine	C	G	X	C	G	C	X	E	E
Acetophenone	C	X	X	X	E	X	E	G	G	Amyl Borate	X	X	C	E	X	C	X	E	E
Acetyl Acetone	X	X	X	X	G	X	E	E	E	Amyl Chloride	X	X	X	X	X	X	X	E	E
Acetyl Chloride	X	X	X	X	C	X	C	G	G	Amyl Chloronaphthalene	X	X	X	G	X	X	X	E	E
Acetylene	E	E	G	E	E	E	E	E	E	Amyl Naphthalene	X	X	X	X	X	X	X	E	E
Acrylic Acid	N	N	N	N	N	N	N	N	G	Amyl Oleate	X	X	X	X	G	X	G	E	E
Acrylonitrile	G	X	X	X	X	X	X	G	G	Amyl Phenol	X	X	X	X	X	X	X	E	E
Adipic Acid	N	G	G	G	E	E	G	N	N	Anethole	X	X	X	X	X	X	X	G	G
Air	E	E	E	E	E	E	E	E	E	Aniline	X	X	X	X	E	X	C	E	E
Air, +300°F	X	X	X	X	N	X	X	N	N	Aniline Dyes	C	C	C	C	G	C	G	E	E
Alcohols, Aliphatic	E	G	E	E	E	E	E	E	E	Aniline Hydrochloride	E	C	X	C	C	X	G	E	E
Alcohols, Aromatic	C	X	C	C	X	X	X	E	E	Animal Fats	X	X	G	E	G	F	C	E	E
Alk-Tri (Trichloroethylene)	X	X	X	X	X	X	X	X	X	Animal Grease	X	X	G	G	C	C	G	E	E
Allyl Alcohol	E	G	E	E	E	E	E	E	E	Animal Oils	X	X	X	E	G	X	C	E	E
Allyl Bromide	X	X	X	X	X	X	X	G	G	Ansul Ether	X	X	X	C	C	X	C	E	E
Allyl Chloride	X	X	X	X	X	X	X	G	G	Antifreeze (Ethylene Glycol)	E	E	E	E	E	E	E	E	E
Alum (Ammonium Potassium Sulfate)	E	E	E	E	E	E	E	E	E	Antimony Trichloride	X	X	G	G	E	G	G	E	G
Aluminum Acetate	E	C	G	G	G	G	G	E	E	Antimony Pentachloride	X	X	X	X	C	X	C	G	G
Aluminum	E	E	E	E	E	E	E	E	E	Aqua Regia	X	X	X	X	X	C	C	X	G
Aluminum Chloride	E	E	E	E	E	E	E	E	E	Argon	X	X	X	C	G	X	E	N	N
Aluminum Fluoride	E	E	E	E	E	E	E	E	E	Arguad	E	E	E	E	E	E	E	E	E
Aluminum Hydroxide	E	E	E	E	E	G	E	E	E	Aromatic Hydrocarbons	X	X	X	C	X	X	X	E	E
Aluminum Nitrate	E	E	E	E	E	E	E	E	E	Arsenic Acid	E	E	E	E	E	E	E	E	E
Aluminum Phosphate	E	E	E	E	E	E	E	E	E	Arsenic Chloride	X	X	E	C	X	X	G	X	X
Aluminum Sulfate	G	E	E	E	E	E	E	E	E	Arsenic Trichloride	X	X	E	C	X	X	G	X	X
Aminobenzene	N	N	N	N	N	N	N	N	G	Asphalt	X	X	G	E	X	X	G	G	G
Aminodimethylbenzene	N	N	N	N	N	N	N	N	N	ASTM Fuel A	X	X	E	E	X	G	X	N	N
Ammonia, Anhydrous	E	C	E	G	E	G	E	E	E	ASTM Fuel B	X	X	X	E	X	X	X	N	N
Ammonia, Liquid	G	G	E	E	E	E	E	E	E	ASTM Fuel C	X	X	X	G	X	X	X	N	N
Ammonia, In Water	G	G	G	G	G	G	G	E	E	ASTM Oil No. 1	X	X	E	E	X	G	X	E	E
Ammonium Carbonate	E	E	E	C	E	E	E	E	E	ASTM Oil No. 2	X	X	G	E	X	F	X	E	E
Ammonium Chloride	E	E	E	E	E	E	E	E	E	ASTM Oil No. 3	X	X	G	E	X	F	X	E	E
Ammonium Hydroxide	G	G	E	G	E	G	E	E	E	ASTM Oil No. 4	X	X	X	G	X	X	X	N	N
Ammonium Metaphosphate	E	E	E	E	E	E	E	E	E	Automatic Trans. Fluid	X	X	G	E	X	C	X	N	N



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Aviation Gasoline	X	X	C	E	X	X	X	E	E	Carbon Dioxide	E	E	E	E	E	E	E	E	E
Barium Carbonate	E	E	E	E	E	E	E	E	E	Carbon Disulfide	X	X	X	X	X	X	X	E	C
Barium Chloride	E	E	E	E	E	E	E	E	E	Carbonic Acid	E	E	E	E	E	E	E	E	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E	Carbon Monoxide	E	E	E	E	E	E	E	E	E
Barium Sulfate	E	E	E	E	E	E	E	E	E	Carbon Tetrachloride	X	X	X	C	G	X	G	C	C
Barium Sulfide	E	E	E	E	E	E	E	E	E	Carbon Tetrafluoride	X	X	X	C	X	X	X	C	C
Beer	E	E	G	C	E	E	G	N	N	Castor Oil	C	X	G	E	G	C	G	E	E
Beet Sugar Liquors	E	E	E	E	E	E	E	E	E	Caustic Potash	E	G	G	E	E	E	E	E	E
Benzaldehyde	X	X	X	X	G	G	G	E	E	(Potassium Hydroxide)									
Benzene (Benzol)	X	X	X	X	X	X	X	E	G	Caustic Soda	E	G	G	G	E	G	E	E	E
Benzene Sulfonic Acid	X	X	E	C	X	X	X	E	E	(Sodium Hydroxide)									
Benzene	X	X	G	E	X	X	X	E	E	Cellosolve	X	X	E	G	G	G	E	E	E
Benzoic Acid	G	X	E	X	E	G	G	E	E	Cellulose Acetate	C	X	C	X	G	C	G	E	G
Benzoic Aldehyde	X	X	X	X	X	X	X	E	E	Cellulube	C	X	X	X	G	X	E	E	E
Benzotrichloride	X	X	X	X	X	X	X	G	G	China Wood Oil (Tung Oil)	X	X	G	E	G	G	E	E	E
Benzoyl Chloride	X	X	X	X	X	X	X	G	G	Chlorinated Solvents	X	X	X	X	X	X	X	G	G
Benzyl Acetate	X	X	X	X	G	G	G	E	E	Chlorine Dioxide	X	X	X	X	X	C	X	G	G
Benzyl Alcohol	G	G	C	X	G	F	G	E	E	Chlorine Gas (Dry)	C	C	X	C	C	G	C	G	G
Benzyl Chloride	X	X	X	X	C	X	X	E	E	Chlorine, Water Solutions (2%)	C	X	X	X	C	G	C	E	E
Bichromate of Soda (Sodium Dichromate)	X	X	G	X	E	G	C	E	E	Chloroacetic Acid	G	X	X	X	C	X	C	E	E
Black Sulfate Liquor	G	G	E	G	E	G	E	E	E	Chloroacetone	X	X	X	X	G	G	X	E	E
Blast Furnace Gas	X	X	G	C	C	G	C	E	E	Chlorobenzene	X	X	X	X	X	X	X	G	G
Bleach	X	X	C	X	F	G	E	E	E	Chlorobutane	X	X	X	X	X	X	X	G	G
Borax Solution	G	G	E	C	E	E	E	E	E	Chlorobutadiene	X	X	X	X	X	X	X	G	G
Bordeaux Mixture	G	G	E	E	E	E	E	E	E	Chloroform	X	X	X	X	X	X	X	G	G
Boric Acid	E	E	E	E	E	E	E	E	E	Chlorinated Hydrocarbons	X	X	X	X	X	X	X	G	G
Brake Fluid (HD-557)	N	E	G	C	G	G	E	N	N	Chloropentane	X	X	C	X	X	X	X	E	E
Brine	E	E	E	E	E	E	E	E	E	Chlorophenol	X	X	X	X	X	X	X	G	G
Bromine	X	X	X	X	X	C	X	X	X	Chloropropanone	X	X	X	X	C	X	C	G	G
Bromine Water	X	X	G	C	C	E	C	E	E	Chlorosulfonic Acid	X	X	X	X	X	C	X	G	G
Bromobenzene	X	X	X	X	X	X	X	C	C	Chlorothene (Trichloroethane)	X	X	X	X	X	X	X	G	G
Bunker Oil	X	X	G	E	X	X	X	E	E	Chlorotoluene	X	X	X	X	X	X	X	G	G
Butadiene	X	X	F	X	X	C	X	F	F	Chrome Plating Sltns.	X	X	X	X	X	X	G	N	N
Butane	X	X	E	E	E	G	X	E	N	Chromic Acid	X	X	X	X	X	E	C	E	E
Butanoic Acid	N	N	N	N	N	N	N	N	N	Citric Acid	E	E	G	E	E	E	E	E	E
Butter (Non F.D.A.)	C	C	G	E	E	E	G	E	E	Coal Oil	X	X	G	E	X	X	X	E	E
Butyl Acetate	X	X	X	X	G	X	C	G	G	Coal Tar	X	X	G	E	X	G	G	E	E
Butyl Acrylate	X	X	X	X	X	X	X	G	G	Coal Tar Naptha	X	X	F	E	X	X	X	E	E
Butyl Alcohol	E	E	E	E	E	E	E	E	E	Cobalt Chloride	E	E	E	E	E	E	E	E	E
Butylamine	G	C	X	C	C	C	E	E	E	Coconut Oil	X	X	G	E	G	C	E	E	E
Butyl Benzene	X	X	X	X	X	X	X	E	E	Cod Liver Oil	X	X	G	E	E	E	E	E	E
Butyl Bromide	X	X	X	X	X	X	X	G	G	Coke Oven Gas	X	X	X	X	F	X	X	E	E
Butyl Butyrate	X	X	X	X	C	X	G	G	G	Copper Arsenate	E	E	E	E	E	E	E	E	E
Butyl Carbitol	X	X	G	G	E	E	E	E	E	Copper Chloride	E	E	E	E	E	E	E	E	E
Butyl Cellosolve	X	X	G	G	E	G	E	E	E	Copper Cyanide	E	E	E	E	E	E	E	E	E
Butyl Chloride	X	X	X	X	C	X	C	G	G	Copper Hydroxide	F	G	N	N	E	G	N	E	E
Butylene	X	X	C	G	X	X	N	F	F	Copper Nitrate	E	E	E	E	E	E	E	E	E
Butyl Ether	X	X	G	G	C	G	C	E	E	Copper Nitrite	E	E	E	E	E	E	E	E	E
Butyl Ethyl Acetaldehyde	X	X	X	X	C	X	X	E	E	Copper Sulphate	F	E	E	E	E	E	E	E	E
Butyl Ethyl Ether	X	X	X	X	C	G	C	E	E	Copper Sulphide	C	E	E	E	E	E	E	E	E
Butyl Oleate	X	X	X	X	G	X	G	E	E	Corn Oil	X	X	C	E	E	G	C	E	E
Butyl Phthalate	X	X	X	X	C	X	C	E	E	Cottonseed Oil	X	X	C	C	C	G	C	C	G
Butyl Stearate	X	X	X	G	C	X	C	E	E	Creosote (Wood)	X	X	C	G	X	C	X	E	E
Butyraldehyde	C	X	X	X	X	X	X	E	E	Creosote (Coal Tar)	X	X	C	G	X	C	X	E	E
Butyric Acid	F	X	X	X	F	X	G	E	E	Cresols	X	X	C	C	X	C	X	E	E
Butyric Anhydride	C	X	X	C	C	G	C	E	E	Cresylic Acid	X	X	C	C	X	C	X	E	E
Calcium Acetate	C	X	X	X	E	X	E	E	E	Crotonaldehyde	X	X	X	X	E	X	C	E	E
Calcium Bisulfate	E	E	E	E	E	E	E	E	E	Crude Oil	X	X	F	E	X	X	X	E	E
Calcium Bisulfite	C	E	E	E	G	E	C	E	E	Cumene	X	X	X	C	C	X	X	E	E
Calcium Carbonate	E	E	E	E	E	E	E	E	E	Cupric Carbonate	C	C	G	E	E	E	E	E	E
Calcium Bichromate	N	N	N	N	E	F	N	G	F	Cupric Chloride	C	C	G	E	E	E	E	E	E
Calcium Chloride	E	E	E	E	E	E	E	E	E	Cupric Hydroxide	N	N	N	N	N	N	N	N	N
Calcium Hydroxide	E	G	E	E	E	G	E	E	E	Cupric Nitrate	C	C	G	E	E	E	E	E	E
Calcium Hypochlorite	X	X	X	X	G	F	G	G	G	Cupric Nitrite	C	C	G	E	E	E	E	E	E
Calcium Nitrate	E	E	E	E	E	E	E	E	E	Cupric Sulfate	F	E	G	E	E	E	E	E	E
Calcium Sulfate	E	E	E	E	E	E	E	E	E	Cyclohexane	X	X	X	G	X	X	X	E	E
Calcium Sulfide	E	E	E	E	E	E	E	E	E	Cyclohexanol	X	X	G	C	X	X	X	E	E
Calcium Sulfite	E	E	E	E	E	E	E	E	E	Cyclohexanone	X	X	X	X	X	X	X	E	E
Caliche Liquor	E	E	G	C	E	E	E	E	E	Cyclopentane	X	X	G	G	X	X	X	E	E
(Crude Sodium Nitrate)										Cyclopentanol	X	X	N	X	X	X	N	E	E
Cane Sugar Liquors (Non F.D.A.)	E	E	E	E	E	E	E	E	E	P-Cymene	X	X	X	C	X	X	X	E	E
Carbitol	X	X	G	G	E	G	G	E	E	DDT In Kerosene	X	X	G	E	F	X	X	E	E
Carbitol Acetate	X	X	X	X	G	X	G	E	E	Decaline	X	X	X	X	X	X	X	E	E
Carbolic Acid (Phenol)	X	X	C	X	G	C	C	E	E	Decane	X	X	X	G	X	X	X	E	E
Carbon Bisulfide	N	N	N	N	N	N	N	N	N	Detergent, Water Sltn.	G	G	G	E	G	G	E	E	E
										Developing Fluid (pic)	E	G	E	E	E	E	G	N	N



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
DHSO Butylene	X	X	X	G	X	X	X	E	N	Diphenyl (Biphenyl)	X	X	X	X	X	X	X	E	E
Diacetone Alcohol	X	X	G	X	E	G	G	E	E	Diphenyl Oxide (Phenyl Ether)	X	X	X	X	X	C	X	E	E
Diamonium Phosphate	N	N	N	N	N	N	N	N	N	Dipropylene Glycol	E	E	E	E	E	E	E	E	E
Diamylamine	G	C	E	G	E	C	C	E	E	Dipropyl Ketone	X	X	X	X	G	X	G	E	E
Diamyl Naphthalene	X	X	N	N	X	X	N	E	N	Dipropylamine	G	G	G	G	E	C	E	E	E
Dibenzyl Ether	X	X	X	X	G	X	X	E	E	Disodium Phosphate	E	E	E	E	E	E	E	E	E
Dibenzyl Sebacate	C	X	X	X	G	X	G	E	E	Divinyl Benzene	X	X	X	X	X	X	X	E	E
Dibromobenzene	X	X	X	X	X	X	X	G	G	Dodecyl Benzene	X	X	X	X	X	X	X	E	E
Dibromomethane	X	X	X	X	X	X	X	G	G	Dodecyl Toluene	X	X	X	X	X	X	X	E	E
Dibutyl Ether	X	X	X	X	X	X	C	E	E	Dowfume W 40, 100%	X	X	C	X	X	C	C	G	G
Dibutylamine	G	F	G	E	F	F	G	E	E	Dow-Per (Perchloroethylene)	X	X	X	C	X	X	X	E	E
Dibutylphthalate	X	X	X	X	G	X	E	E	E	Dowtherm Oil, A and E	X	X	X	X	X	C	X	E	E
Dibutyl Sebacate	X	X	X	X	G	X	G	G	G	Dowtherm S.R.I.	E	E	E	E	E	E	E	E	E
Dicalcium Phosphate	E	E	E	E	E	E	E	E	E	Dry Cleaning Fluids	X	X	X	C	X	X	X	E	G
Dichloroacetic Acid	X	X	X	X	C	X	C	E	E	Epichlorohydrin	X	X	X	X	C	C	G	G	G
Dichlorobenzene	X	X	X	X	X	X	X	G	G	Ethanoic Acid	N	N	N	N	N	N	N	N	N
Dichlorobutane	X	X	X	X	X	X	X	E	E	Ethanol (Grain Alcohol)	E	E	E	E	E	E	E	E	E
Dichlorodifluorometh	X	X	E	G	X	X	X	E	E	Ethanolamine	G	G	G	G	E	C	E	C	E
Dichloroethane	X	X	X	X	C	X	X	E	C	Ethers	X	X	X	X	F	F	C	E	E
Dichloroethyl Ether	X	X	X	X	X	X	X	E	E	Ethyl Acetate	X	X	X	X	G	X	C	E	E
Dichloroethylene	X	X	X	X	C	X	X	E	X	Ethyl Acetoacetate	X	X	X	X	G	X	G	E	E
Dichlorohexane	X	X	X	X	X	X	X	E	E	Ethyl Acrylate	X	X	X	X	C	X	X	G	G
Dichloroisopropyl Ether	X	X	X	X	X	X	X	E	E	Ethyl Alcohol	E	E	E	E	E	E	E	E	E
Dichloromethane	X	X	X	X	X	X	X	E	E	Ethyl Aldehyde	F	N	N	N	E	E	N	E	E
Dichloropentane	X	X	X	X	X	X	X	E	E	Ethyl Benzene	X	X	X	F	X	X	X	G	G
Dichloropropane	X	X	N	N	X	X	N	E	E	Ethyl Benzoate	X	X	C	G	G	C	G	E	E
Dichlorotoluene	N	N	N	N	N	N	N	N	N	Ethyl Butyl Alcohol	E	E	E	E	E	E	E	E	E
Dicyclohexylamine	N	N	N	N	N	N	N	N	N	Ethyl Butyl Amine	G	C	G	G	E	C	G	E	E
Dieldrin In Xylene	X	X	X	X	X	X	X	E	E	Ethyl Butyl Ketone	X	X	X	X	G	X	G	E	E
Dieldrin In Xylene And Water Spray	X	X	G	G	X	X	X	E	E	Ethyl Cellulose	G	G	G	G	G	G	G	E	E
Diesel Oil	X	X	G	E	X	C	X	E	E	Ethyl Chloride	F	F	F	F	X	X	X	E	G
Diethanol Amine	G	G	G	G	E	F	F	E	E	Ethyl Dichloride	X	X	X	X	X	X	X	G	G
Diethyl Benzene	X	X	X	X	X	X	X	E	E	Ethylene	X	X	G	E	X	C	X	E	E
Diethyl Ether	X	X	C	G	X	X	X	E	E	Ethyl Ether	X	X	X	C	C	X	X	E	E
Diethyl Ketone	F	X	N	N	G	X	N	E	E	Ethyl Phthalate	X	X	X	X	E	X	G	E	E
Diethylphthalate	C	X	X	X	E	X	G	E	E	Ethyl Silicate	F	F	E	E	E	G	E	E	E
Diethyl Oxalate	C	X	X	C	X	E	E	E	E	Ethylamine	F	F	N	N	G	F	N	N	E
Diethyl Sebacate	X	X	X	X	E	X	C	E	E	Ethylene Bromide	X	X	X	X	X	X	X	G	G
Diethyl Sulfate	X	X	X	X	G	X	G	E	E	Ethylene Chloride	X	X	X	X	X	X	X	G	G
Diethyl Triamine	G	C	G	G	E	C	G	E	E	Ethylene Diamine	G	G	E	E	E	F	E	E	E
Diethylamine	G	G	G	E	G	F	F	E	E	Ethylene Dibromide	X	X	X	X	X	X	X	G	F
Diethylene Dioxide	X	X	X	X	G	X	G	E	E	Ethylene Dichloride	X	X	X	X	X	X	X	G	G
Diethylene Glycol	E	E	E	E	E	E	E	E	E	Ethylene Glycol	E	E	E	E	E	E	E	E	E
Diethylenetriamine	G	G	C	G	E	C	E	E	E	Ethylene Oxide	X	X	X	X	X	X	C	C	C
Dihydroxyethyl Amine	G	C	G	G	E	C	G	E	E	Ethylene Trichloride (Trichloroethylene)	X	X	X	X	C	X	X	G	G
Dihydroxyethyl Ether	E	E	G	E	E	E	G	E	E	Ethyl Formate	X	X	X	X	G	X	C	E	E
Diisobutylene	X	X	G	E	X	X	X	E	E	Ethyl Hexanol	E	E	E	E	E	E	E	E	E
Diisobutyl Ketone	X	X	X	X	X	X	G	E	E	Ethyl Methyl Ketone	C	X	X	X	G	X	G	E	E
Diisodecyl Adipate	X	X	E	X	X	C	E	E	E	Ethyl Oxalate	E	E	X	X	E	X	G	E	E
Diisodecyl Phthalate	X	X	X	X	E	C	E	E	E	Ethyl Propyl Ether	X	X	X	X	X	X	X	E	E
Diisooctyl Adipate	X	X	X	X	E	X	E	E	E	Ethyl Propyl Ketone	X	X	X	X	G	X	G	E	E
Diisooctyl Phthalate	X	X	X	X	E	C	E	E	E	Ethyl Sulfate	X	X	X	X	G	X	G	E	E
Diisopropanol Amine	G	C	X	G	E	C	E	E	E	EX. TRI (Trichloroethylene)	X	X	X	C	X	X	X	G	G
Diisopropyl Benzene	X	X	X	C	X	X	X	E	E	Fatty Acids	X	X	C	C	X	X	X	E	E
Diisopropyl Ether	X	X	X	G	X	X	X	E	E	Ferric Bromide	E	E	E	E	E	E	E	E	E
Diisopropyl Ketone	X	X	X	X	E	X	E	E	E	Ferric Chloride	E	E	E	E	E	E	E	E	E
Dilauryl Ether	X	X	X	C	X	C	X	E	E	Ferric Nitrate	E	E	E	E	E	E	E	E	E
Dimethyl Ketone	G	F	F	X	E	F	E	E	E	Ferric Sulfate	E	E	E	E	E	E	E	E	E
Dimethyl Phthalate	X	X	X	X	E	X	G	E	E	Ferrous Acetate	X	X	X	X	E	X	G	E	E
Dimethyl Sulfate	X	X	X	X	G	X	X	E	E	Ferrous Ammonium Sulfate	E	E	E	E	E	E	E	E	E
Dimethyl Sulfide	X	X	X	X	C	X	X	G	G	Ferrous Chloride	E	E	E	E	E	E	E	E	E
Dimethylamine	G	F	G	E	F	E	E	E	E	Ferrous Hydroxide	G	C	E	G	E	G	E	E	E
Dimethylaniline	X	X	X	X	X	X	C	G	G	Ferrous Sulfate	E	E	E	E	E	E	E	E	E
Dimethylbenzene	X	X	X	X	X	X	X	E	E	Fish Oil	X	X	E	E	E	E	E	E	E
Dimethylformamide (DMF)	C	C	C	X	C	C	C	E	E	Fluoroboric Acid	E	C	G	E	E	E	E	E	E
D.M.P. (Dimethyl Phenols)	N	N	N	N	N	N	N	N	N	Fluorine	X	X	X	X	X	X	X	X	X
Dinitrobenzene	X	X	C	X	C	X	C	E	E	Fluosilicic Acid	G	G	G	G	E	E	G	E	E
Dinitrotoluene	X	X	X	X	X	X	X	E	E	Formaldehyde	C	C	G	G	E	C	G	E	E
Diocetyl Adipate (DOA)	X	X	X	X	E	X	G	E	E	Formamide	E	E	E	E	E	E	E	E	E
Diocetylamine	G	G	X	G	E	C	G	E	E	Formic Acid	G	G	C	X	E	F	E	C	E
Diocetyl Phthalate (DOP)	X	X	X	X	G	X	G	E	E	Freon So 2	N	N	E	N	N	N	E	N	N
Diocetyl Sebacate (DOS)	X	X	X	X	G	X	G	E	E	Freon 11	X	X	G	E	X	E	X	E	E
Dioxane	X	X	X	X	G	X	G	E	E	Freon 12	X	X	G	G	X	X	X	G	G
Dioxolane	X	X	X	X	C	X	G	E	E	Freon 13	E	E	E	E	E	E	E	E	E
Dipentene (Limonene)	X	X	X	X	C	X	X	E	E	Freon 21	X	X	G	X	X	X	X	E	E



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Freon 22	X	X	X	E	E	X	E	E	E	Hydrogen Dioxide-10%	X	X	N	N	F	N	N	N	G
Freon 31	G	G	E	X	E	G	E	E	E	Hydrogen Gas	G	G	E	E	E	G	E	E	E
Freon 32	E	E	E	E	E	E	E	E	E	Hydrogen Peroxide, 3%	E	G	C	G	E	E	G	E	E
Freon 112	X	X	G	G	X	G	X	E	E	Hydrogen Peroxide, 10%	X	X	C	X	C	C	C	E	E
Freon 113	C	G	E	E	X	E	X	E	E	Hydrogen Peroxide 30%	X	X	X	X	X	X	C	E	E
Freon 114	E	E	E	E	E	E	E	E	E	Hydrogen Peroxide, 90%	X	X	X	X	X	X	C	G	G
Freon 115	E	E	E	E	E	E	E	E	E	Hydrogen Sulfide	X	X	E	X	E	G	E	E	E
Freon 142b	E	E	E	E	E	E	E	E	E	Hydroquinone	G	G	X	X	G	C	G	E	E
Freon 152a	E	E	E	E	E	C	E	E	E	Hypochlorous Acid	G	G	G	X	G	E	G	E	E
Freon 218	E	E	E	E	E	E	E	E	E	Ink Oil (Linseed Oil Base)	X	X	G	G	G	G	G	E	E
Freon C316	E	E	E	E	E	E	E	E	E	Insulating Oil	X	X	G	E	X	X	X	E	E
Freon C318	E	E	E	E	E	E	E	E	E	Iodine	X	X	X	X	X	F	X	E	E
Freon 13B1	E	E	E	E	E	E	E	E	E	Iron Acetate	X	X	X	X	E	X	G	E	E
Freon 114B2	X	C	E	G	X	E	X	E	E	Iron Hydroxide	C	C	E	G	E	G	G	E	E
Freon 502	E	E	E	G	E	E	E	E	E	Iron Salts	E	E	E	E	E	E	E	E	E
Freon TF	C	G	E	E	E	E	E	E	E	Iron Sulfate	E	E	E	E	E	E	E	E	E
Freon T-WD602	C	G	G	E	E	G	G	E	E	Iron Sulfide	E	E	E	E	E	E	E	E	E
Freon TMC	G	C	G	G	G	G	G	E	E	Isoamyl Acetate	X	X	X	X	E	X	G	E	E
Freon T-P35	E	E	E	E	E	E	E	E	E	Isoamyl Alcohol	E	E	E	E	E	E	E	E	G
Freon TA	E	E	E	E	E	E	E	E	E	Isoamyl Bromide	X	X	X	X	X	X	G	G	G
Freon TC	X	G	E	E	E	E	G	E	E	Isoamyl Butyrate	X	X	X	X	C	X	C	G	G
Freon MF	X	G	C	E	X	G	X	E	E	Isoamyl Chloride	X	X	X	X	C	X	X	G	G
Freon BF	X	X	G	G	X	G	X	E	E	Isoamyl Ether	X	X	X	X	X	X	X	E	E
Fuel A (ASTM)	X	X	G	E	X	F	X	E	E	Isoamyl Phthalate	X	X	X	X	E	X	G	E	E
Fuel B (ASTM)	X	X	F	E	X	X	X	G	G	Isobutane	X	X	E	E	X	X	E	E	E
Fuel ASTM C	X	X	C	G	X	X	X	G	G	Isobutanol (Isobutyl Alcohol)	E	E	E	E	E	E	E	E	E
Fuel Oil	X	X	G	E	X	E	X	E	E	Isobutyl Acetate	X	X	X	X	E	X	G	E	E
Fumaric Acid	E	E	G	E	X	G	X	E	E	Isobutyl Aldehyde	C	X	X	X	G	X	G	E	E
Furan	X	X	X	X	C	X	C	E	E	Isobutyl Amine	G	C	X	X	G	C	G	E	E
Furfural	X	X	C	X	G	G	G	E	E	Isobutyl Bromide	X	X	X	X	X	X	G	G	G
Furfuryl Alcohol	X	X	C	X	C	C	C	E	E	Isobutyl Carbinol	E	E	G	E	E	E	E	E	E
Gallic Acid	E	E	G	G	G	G	G	E	E	Isobutyl Chloride	X	X	X	X	X	X	G	G	G
Gasoline - Regular	X	X	E	E	X	C	X	E	E	Isobutylene	X	X	X	X	E	X	X	E	E
Gasoline - Hi-Test	X	X	G	E	X	X	X	E	E	Isobutyl Ether	X	X	X	X	X	X	X	E	E
Gasoline - Lead Free	X	X	G	G	X	X	X	E	E	Isocyanates	C	X	X	X	G	C	G	G	G
Gas, Coal	N	N	N	N	N	N	N	N	N	Isooctane	X	X	E	E	X	G	X	E	E
Gas, High Octane	X	X	G	E	X	X	X	E	E	Isopentane	X	X	E	E	X	X	X	G	G
Gelatin	E	E	E	E	E	E	E	E	E	Isopropyl Amine	G	C	E	G	E	C	G	E	E
Gluconic Acid	X	X	C	C	C	G	C	E	E	Isopropyl Acetate	X	X	X	X	E	C	G	E	E
Glucose	E	E	G	G	E	E	G	E	G	Isopropyl Alcohol (Iso-propanol)	E	E	E	E	E	E	E	G	G
Glue	E	E	E	E	E	E	E	E	E	Isopropyl Amine	G	X	E	C	G	C	G	E	E
Glycerine (Glycerol)	E	E	E	E	E	E	E	E	E	Isopropyl Benzene	X	X	X	X	X	X	X	E	E
Glycols	E	E	E	E	E	E	E	E	E	Isopropyl Chloride	X	X	X	X	X	X	X	G	G
Grease	X	X	E	X	F	X	E	G	E	Isopropyl Ether	X	X	X	C	X	C	X	E	E
Green Sulfate Liquor	E	E	G	E	E	E	E	E	E	Isopropyl Toluene	X	X	X	X	X	X	X	E	E
Halium	E	E	E	E	E	E	E	N	N	Jet Fuels	X	X	G	E	X	F	X	E	E
Halowax Oil	X	X	X	X	X	X	X	E	E	Kerosene	X	X	C	E	X	F	X	E	E
Heptachlor in Petroleum Solvents	X	X	G	G	X	X	X	E	E	Ketones	G	G	X	X	G	X	E	E	E
Heptachlor in Petroleum Solvents, Water Spray	X	X	G	G	X	X	X	E	E	Lacquer Solvents	X	X	X	X	X	X	X	E	E
Heptanal (Heptaldehyde)	X	X	X	X	X	X	G	E	E	Lactic Acid - Cold	G	G	E	X	E	G	X	C	N
Heptane	X	X	E	E	X	G	X	E	E	Lactic Acid - Hot	X	X	X	X	N	C	X	N	N
Heptane Carboxylic Acid	X	X	G	C	C	G	C	E	E	Lard	X	X	G	E	X	X	C	E	E
Hexaldehyde	X	X	G	X	G	C	G	E	E	Lauryl Alcohol	E	E	E	E	E	E	E	E	E
Hexane	X	X	E	E	X	F	X	E	E	Lavender Oil	X	X	X	G	X	X	X	G	N
Hexanol	E	E	E	E	E	E	E	E	E	Lead Acetate	X	X	G	G	E	X	G	E	E
Hexene	X	X	G	G	X	G	X	E	E	Lead Nitrate	E	E	E	E	E	E	E	E	E
Hexylamine	G	C	G	G	G	C	G	E	E	Lead Sulfamate	G	G	E	G	E	G	E	E	E
Hexylene	X	X	G	E	X	X	C	G	G	Lead Sulfate	E	E	E	E	E	E	E	E	E
Hexylene Glycol	E	E	E	E	E	E	E	E	E	Ligroin	X	X	E	E	X	X	X	E	E
Hexyl Methyl Ketone	X	X	X	X	G	X	G	E	E	Lime	X	X	C	F	E	E	G	E	E
Hi-Tri (Trichloroethylene)	X	X	X	C	X	X	X	G	G	Lindol (Tricresyl Phosphate)	X	X	X	X	E	G	E	E	E
Hydraulic Fluid (Petroleum)	X	X	G	E	X	G	X	E	E	Linoleic Acid	X	X	X	X	X	X	X	N	N
Hydraulic Fluid (Phosphate Ester Base)	X	X	X	X	E	X	E	E	E	Linseed Oil	X	X	G	E	E	C	G	E	E
Hydraulic Fluid (Poly Alkylen Glycol Base)	G	G	E	E	E	E	E	E	E	Liquid Petroleum Gas	X	X	G	E	X	G	X	E	E
Hydraulic & Motor Oil	X	X	C	E	X	G	X	E	E	Liquid Soap	E	E	E	E	E	E	E	E	E
Hydrobromic Acid	E	X	X	F	E	G	E	E	E	Lubricating Oils	X	X	C	E	X	F	X	E	E
Hydrochloric Acid, 37%	E	X	X	F	X	X	E	E	E	Lye Solution	G	G	E	E	E	E	E	E	G
Hydrochloric Acid, 50%	E	C	X	X	G	E	C	E	E	Mek	G	X	X	X	G	X	G	E	G
Hydrochloric Acid, 100%	G	C	X	X	C	G	C	E	E	Magnesium Acetate	X	X	X	X	E	X	G	E	E
Hydrocyanic Acid	G	F	E	F	G	E	C	E	E	Magnesium Carbonate	E	E	E	E	E	E	E	E	E
Hydrofluoric Acid	X	X	X	X	E	E	X	C	E	Magnesium Chloride	E	E	E	E	E	E	G	E	E
Hydrogen Chloride Anhydrous	N	N	N	N	N	N	N	N	N	Magnesium Hydrate	E	G	E	G	E	G	E	E	E
										Magnesium Hydroxide	E	E	E	E	E	E	G	E	E
										Magnesium Nitrate	E	E	E	E	E	E	E	E	E
										Magnesium Sulfate	E	E	E	E	E	E	E	E	E
										Malathion 50 in Aromatic Solvents	X	X	C	C	X	X	X	E	E



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Malathion 50 in Aromatic Solvents, Water Spray	X	X	E	E	X	X	X	E	E	Nitrogen Tetraoxide	X	X	X	X	X	X	X	X	X
Maleic Acid	X	X	X	F	X	F	F	G	G	Nitromethane	G	G	C	X	G	C	G	E	E
Maleic Anhydride	X	X	C	X	C	X	C	E	E	Nitropropane	C	C	C	X	E	C	G	E	E
Malic Acid	E	G	C	G	X	G	X	E	E	Nitrous Oxide Gas	E	E	E	E	E	E	E	E	E
Manganese Sulfate	E	E	E	E	E	E	E	E	E	Octadecanoic Acid	X	X	G	E	G	X	C	E	E
Manganese Sulfide	C	E	G	E	E	E	G	E	E	Octane	X	X	G	E	X	X	X	G	G
Manganese Sulfite	C	E	G	E	E	E	G	E	E	Octanol (Octyl Alcohol)	G	G	E	G	G	G	G	E	E
Mercuric Chloride	G	G	C	C	G	G	C	E	E	Octyl Acetate	X	X	X	X	E	X	G	E	E
Mercury	E	E	E	E	E	E	E	E	E	Octyl Amine	C	C	G	C	G	C	G	E	E
Mercury Vapors	E	E	E	E	E	E	E	E	E	Octyl Carbinol	E	E	E	E	E	E	E	E	E
Methacrylic Acid	X	X	G	X	G	C	G	E	E	Octylene Glycol	E	E	E	E	E	E	E	E	E
Methane	X	X	G	E	X	G	X	E	E	Oil, Astm #1	X	X	E	E	X	G	X	E	E
Methanoic Acid	N	N	N	N	N	N	E	N	N	Oil, Astm #2	X	X	E	E	X	C	X	E	E
Methanol	E	E	E	E	E	E	E	E	E	Oil, Astm #3	X	X	C	G	E	X	X	E	E
(Methyl Alcohol)										Oil - Petroleum	X	X	E	E	X	F	X	E	E
Methyl Acetate	F	X	X	X	G	X	G	E	E	Oleic Acid	X	X	F	C	G	X	G	E	E
Methyl Acrylate	C	X	C	X	G	X	G	E	E	Oleum (Fuming Sulf Acid)	X	X	X	X	X	X	X	X	X
Methyl Alcohol (Methanol)	E	E	E	E	E	E	E	E	E	Olive Oil	X	X	G	E	E	G	G	E	E
Methyl Benzene (Toluene)	X	X	X	X	X	X	X	E	E	Ortho-Dichlorobenzene	X	X	X	X	X	X	X	E	E
Methyl Bromide	X	X	X	G	X	G	X	E	E	Orthoxylene	X	X	N	N	X	X	X	E	G
Methyl Butyl Ketone	X	X	X	X	G	X	G	E	E	Oxalic Acid	F	F	G	F	E	G	E	E	E
Methyl Cellosolve	X	X	G	C	G	C	G	E	E	Oxygen, Cold	G	G	G	G	E	G	G	E	E
Methyl Chloride	X	X	X	F	X	X	E	G	F	Oxygen, Hot	X	X	X	X	X	X	X	E	E
Methyl Cyclohexane	X	X	X	X	X	X	X	G	G	Ozone	X	F	G	X	G	E	E	E	E
Methylcyanide	N	N	N	N	N	N	X	N	N	Paint Thinner	X	X	X	X	X	X	X	E	E
Methylene Bromide	X	X	X	X	X	X	X	G	C	Palmitic Acid	X	X	C	E	E	C	C	G	E
Methylene Chloride	X	X	X	X	X	X	X	E	G	Palm Oil	X	X	G	E	E	G	G	E	E
Methyl Ethyl Ketone (MEK)	G	X	X	X	G	X	G	E	E	Papermakers Alum	E	E	E	E	E	E	E	E	E
Methyl Formate	C	C	G	X	G	C	G	G	G	Para-Dichlorobenzene	X	X	X	X	X	X	X	G	G
Methyl Hexanol	E	E	E	E	E	E	E	E	E	Paraffin Wax	X	X	G	E	X	X	X	X	X
Methyl Hexyl Ketone	X	X	X	X	G	X	G	E	E	Paraformaldehyde	X	X	G	G	G	G	G	E	E
Methyl Isobutyl Carbinol	G	C	G	G	E	G	E	E	E	Paraxylene	X	N	N	N	X	X	N	E	E
Methyl Isobutyl Ketone (MIBK)	X	X	X	X	G	X	G	E	E	Peanut Oil	X	X	G	E	C	G	X	E	E
Methyl Isopropyl Ketone	X	X	X	X	G	X	G	E	E	Pentachloroethane	X	X	N	N	X	X	N	E	E
Methyl Propyl Ether	X	X	X	X	X	X	X	E	E	Pentane	X	X	E	E	X	G	X	E	E
Methyl Propyl Ketone	X	X	X	X	G	X	G	E	E	Perchloric Acid-2N	G	G	E	X	G	E	C	E	E
Methyl Methacrylate	X	X	X	X	X	G	X	G	G	Perchloroethylene	X	X	X	X	X	X	X	G	G
Methyl Salicylate	X	X	X	X	G	X	G	G	G	Petrolatum	X	X	E	E	X	C	X	E	E
Mineral Oil	X	X	C	E	X	G	X	E	E	Petroleum, Crude	X	X	G	E	X	X	X	E	E
Mineral Spirits	X	X	G	E	X	X	X	E	E	Petroleum Ether (Naphtha)	X	X	E	E	X	X	X	E	E
Molten Sulfur	X	X	N	N	G	F	X	X	N	Petroleum Oils	X	X	E	E	X	C	X	E	E
Monochlorobenzene	X	X	X	X	X	X	X	G	G	Phenol	F	F	F	X	E	F	F	E	E
Monochlorodifluoromethane (Freon 22)	X	X	E	X	E	X	E	E	E	Phenolsulfonic Acid	X	X	C	X	C	X	C	G	G
Monoechanolamine	G	C	G	C	G	G	G	E	E	Phenyl Chloride	X	X	X	X	X	X	X	E	E
Monomethylether	G	G	E	E	E	C	C	E	E	Phenylhydrazine	C	X	X	X	G	C	C	E	E
Monovinyl Acetate	X	X	X	X	G	C	C	E	E	Phorone	X	X	X	X	X	G	E	E	E
Morpholine	N	N	N	X	N	N	X	N	N	Phosphate Esters	X	X	X	X	E	X	E	E	E
Motor Oil - 40W	X	X	E	E	X	X	X	E	E	Phosphoric Acid 10%	E	E	E	E	E	E	E	E	E
Muriatic Acid	E	X	X	X	F	X	F	E	E	Phosphoric Acid 10%-85%	F	F	G	F	E	E	E	E	E
N-Octane	X	X	G	G	X	X	X	G	N	Phosphorous Trichloride	X	X	X	X	E	X	E	E	E
Naphtha	X	X	G	E	X	X	E	E	E	Pickling Solution	C	C	C	C	C	C	C	E	E
Naphthalene	X	X	X	X	X	X	X	E	E	Picric Acid, Molten	C	C	C	C	C	G	C	X	X
Naphthenic Acids	X	X	X	G	X	X	X	E	E	Picric Acid, Water Solution	E	C	G	G	E	E	G	E	E
Natural Gas	X	X	F	F	X	F	X	C	X	Pinene	X	X	X	E	X	X	X	E	E
Neatsfoot Oil	X	X	G	E	G	G	G	E	E	Pine Oil	X	X	X	F	F	X	X	E	E
Neon Gas	E	E	E	E	E	E	X	N	N	Piperidine	X	X	X	X	X	X	X	G	G
Neu-Tri (Trichloroethylene)	X	X	X	C	X	X	X	G	G	Pitch	X	X	G	G	X	C	X	E	E
Nickel Acetate	X	X	X	X	E	X	G	E	E	Plating Solutions, Chrome	X	X	G	G	E	C	E	E	E
Nickel Chloride	E	E	E	E	E	E	E	E	E	Plating Solutions, Others	E	E	G	G	E	C	E	E	E
Nickel Nitrate	E	E	E	E	E	E	E	E	E	Polyvinyl Acetate Emulsion (PVA)	C	C	G	C	E	G	E	E	E
Nickel Plating Solution	E	X	C	G	G	G	E	E	E	Polyethylene Glycol	E	E	E	E	E	E	E	E	E
Nickel Sulfate	E	E	E	E	E	E	E	E	E	Polypropylene Glycol	E	E	E	E	E	E	E	E	E
Niter Cake	E	E	E	E	E	E	E	E	E	Potassium Acetate	X	X	X	X	E	X	G	E	E
Nitric Acid, Conc (16N)	X	X	X	X	G	G	E	X	N	Potassium Bicarbonate	E	E	E	E	E	E	E	E	E
Nitric Acid, Red Fuming	X	X	X	X	X	X	X	X	X	Potassium Bisulfate	E	E	E	E	E	E	E	E	E
Nitric Acid - 10%	X	X	X	X	G	G	G	E	E	Potassium Bisulfite	E	E	E	E	E	E	E	E	E
Nitric Acid - 13N	N	N	N	N	N	N	C	N	N	Potassium Carbonate	E	E	E	E	E	E	E	E	E
Nitric Acid - 13N + 5%	N	N	N	N	N	N	N	N	N	Potassium Chloride	E	E	E	E	E	E	E	E	E
Nitric Acid - 20%	X	X	X	X	G	G	F	E	E	Potassium Chromate	X	X	F	X	E	F	G	G	G
Nitric Acid - 30%	X	X	X	X	F	F	F	G	G	Potassium Cyanide	E	E	E	E	E	E	E	E	E
Nitric Acid - 30% - 70%	X	X	X	X	F	F	C	F	F	Potassium Dichromate	X	X	G	X	E	F	G	E	E
Nitrobenzene	X	X	X	X	X	X	E	E	E	Potassium Hydrate	E	G	G	G	E	G	E	E	E
Nitroethane	G	G	C	X	G	G	X	E	N	Potassium Hydroxide	E	E	C	E	E	E	E	E	E
Nitrogen Gas	E	E	E	E	E	E	E	E	E	Potassium Nitrate	E	E	E	E	E	E	E	E	E
										Potassium Permanganate 5%	X	X	X	X	E	X	E	E	E
										Potassium Silicate	E	E	E	E	E	E	E	E	E



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Potassium Sulfate	E	E	E	E	E	E	E	E	E	Stearic Acid	X	X	G	G	G	G	G	E	E
Potassium Sulfide	E	E	E	E	E	E	E	E	E	Stoddards Solvent	X	X	C	E	X	X	X	E	E
Potassium Sulfite	E	E	E	E	E	E	E	E	E	Styrene	X	X	X	X	X	X	X	X	X
Producer Gas	X	X	G	E	X	G	X	E	E	Sugar Solutions (Sucrose - Non F.D.A.)	E	E	E	E	E	E	E	E	E
Propane	X	X	C	E	X	G	X	E	N	Sulfamic Acid	C	C	G	G	E	E	E	E	E
Propanediol	E	E	G	E	E	E	E	E	E	Sulfite Liquors	G	G	G	G	E	E	G	E	E
Propyl Acetate	X	X	X	X	G	X	G	E	E	Sulfonic Acid	X	X	C	X	X	C	X	G	G
Propyl Alcohol (Propanol)	E	E	E	E	E	E	E	E	E	Sulfur (Molten)	X	X	X	X	F	F	F	G	G
Propyl Aldehyde	C	X	X	X	G	X	G	E	E	Sulfur Chloride	X	X	C	X	G	X	E	G	G
Propyl Chloride	X	X	C	X	C	X	C	G	E	Sulfur Dioxide	F	F	G	X	G	G	F	G	G
Propylene	X	X	X	X	X	X	X	N	N	Sulfur Hexafluoride	E	E	E	E	E	E	E	E	E
Propylene Diamine	G	G	G	G	E	C	G	E	E	Sulfur Trioxide	X	X	X	X	G	X	C	G	G
Propylene Dichloride	X	X	X	X	X	X	X	G	G	Sulfuric Acid 60% (200F)	X	X	F	X	F	G	C	E	E
Propylene Glycol	E	E	E	E	E	E	E	E	E	Sulfuric Acid - Conc.	X	X	X	X	X	E	X	E	X
Pydraul Hydraulic Fluids	X	X	X	X	G	X	G	G	G	Sulfuric Acid - Fuming	X	X	X	X	X	X	X	X	X
Pyranol	X	X	X	C	X	X	X	E	E	Sulfuric Acid 25%	G	G	G	E	E	E	G	E	E
Pyridine	X	X	X	X	G	X	G	E	E	Sulfuric Acid 25% - 50%	G	X	X	F	E	E	E	E	E
Pyroligneous Acid	C	C	G	C	G	G	G	E	E	Sulfuric Acid 50% - 96%	X	X	F	X	F	G	G	E	E
Pyrrole	C	G	X	X	G	X	C	E	E	Sulfurous Acid	G	C	G	C	G	E	G	E	E
Rape Seed Oil	X	X	G	G	E	G	G	G	G	Tall Oil	X	X	G	E	X	G	X	E	E
Red Oil (Crude Oleic Acid)	X	X	G	G	G	G	G	E	E	Tallow	X	X	E	E	X	X	X	E	E
Refrigerant 11 - Freon	X	X	C	E	X	F	F	G	G	Tannic Acid	E	G	G	C	E	G	E	E	E
Refrigerant 12 - Freon	X	X	G	E	X	X	X	G	G	Tar	X	X	G	G	X	X	X	E	E
Refrigerant 22 - Freon	X	X	E	X	E	X	X	E	E	Tar Bituminous	X	X	C	G	X	X	X	N	N
Richfield A Weed Killer, 100%	X	X	X	X	X	X	X	G	G	Tartaric Acid	E	E	G	E	E	E	G	E	E
Richfield B Weed Killer, 33%	X	X	G	G	G	C	X	G	G	Terpineol	X	X	X	X	C	X	C	G	G
Rosin Oil	X	X	E	E	X	G	X	E	E	Tertiary Butyl Alcohol	E	E	E	E	E	E	E	E	E
Rotenone And Water	E	E	E	E	E	E	E	E	E	Tetrachlorobenzene	X	X	X	X	X	X	X	G	G
Sal Ammoniac	E	E	E	E	E	E	E	E	E	Tetrachloroethane	X	X	X	X	X	X	X	E	G
Salicylic Acid	E	G	X	X	E	E	E	E	E	Tetrachloroethylene	X	X	X	X	X	X	X	E	E
Sea Water	E	E	E	E	E	E	E	E	E	Tetrachloromethane	X	X	X	X	X	X	X	G	G
Sewage	F	F	G	E	F	E	G	E	E	Tetrachloronaphthalene	X	X	X	X	X	X	X	G	G
Silicone of Soda (Sodium Silicate)	E	E	E	E	E	E	E	E	E	Tetraethylene Glycol	E	E	E	E	E	E	E	E	E
Silicate Esters	X	X	E	G	X	E	X	E	E	Tetraethyl Lead	X	X	C	G	X	X	X	E	E
Silicone Greases	E	E	E	E	E	E	E	E	E	Tetrahydrofuran (THF)	X	X	X	X	X	X	X	E	E
Silicone Oil	E	F	E	E	E	E	F	E	E	Thionyl Chloride	X	X	X	X	X	X	X	E	E
Silver Nitrate	E	E	E	E	E	E	E	E	E	Tin Chloride	E	E	E	E	E	E	E	E	E
Skelly Solvent	X	X	G	E	X	C	X	E	E	Tin Tetrachloride	E	E	E	E	E	E	E	E	E
Skydrol Hydraulic Fluids	X	X	X	X	E	X	E	E	E	Titanium Tetrachloride	X	X	G	F	X	F	F	E	G
Soap Solutions	G	E	G	E	E	E	E	E	E	Toluene	X	X	X	X	X	X	X	E	E
Soda Ash	E	E	E	E	E	E	E	E	E	Toluene Diisocyanate (TDI)	C	C	X	C	E	X	E	E	E
Soda, Caustic (Sodium Hydroxide)	E	G	E	G	E	E	E	E	E	Toxaphene	X	X	G	G	X	X	X	E	E
Soda Lime	E	E	G	G	E	G	E	E	E	Transformer Oils (Petroleum Base)	X	X	G	E	X	G	X	E	E
Soda Niter (Sodium Nitrate)	E	E	E	E	E	E	E	E	E	Transformer Oils (Chlorinated Phenylnyl Base Askerels)	X	X	X	X	X	X	X	G	G
Sodium Acetate	X	X	X	X	X	X	G	E	E	Transmission Fluids, A	X	X	C	G	X	X	X	E	E
Sodium Aluminate	E	E	E	E	E	E	E	E	E	Transmission Fluids, B	X	X	X	C	X	X	X	E	E
Sodium Bicarbonate	E	E	E	E	E	E	E	E	E	Tributyl Amine	G	G	G	G	E	C	E	E	E
Sodium Bisulfate	E	E	E	E	E	E	E	E	E	Tributyl Phosphate	X	X	X	X	G	X	G	E	E
Sodium Bisulfite	E	E	E	E	E	E	E	E	E	Tricetin	E	G	G	G	E	G	E	E	E
Sodium Borate	E	E	E	E	E	E	E	E	E	Trichloroacetic Acid	C	G	X	G	G	X	G	E	N
Sodium Carbonate	E	E	E	E	E	E	E	E	E	Trichlorobenzene	X	X	X	X	X	X	X	G	G
Sodium Chloride	E	E	E	E	E	E	E	E	E	Trichloroethane	X	X	X	X	X	X	X	E	E
Sodium Chromate	X	X	C	X	E	C	G	G	G	Trichloroethylene	X	X	X	C	X	X	X	G	X
Sodium Cyanide	E	E	E	E	E	E	E	E	E	Trichloropropane	X	X	X	X	X	X	X	E	E
Sodium Dichromate	X	X	C	X	E	F	G	E	E	Tricresyl Phosphate (TCP)	X	X	X	X	E	X	G	E	E
Sodium Flouride	E	E	E	E	E	E	E	E	E	Triethanolamine (TEA)	G	G	E	G	E	E	G	E	E
Sodium Hydroxide (Caustic Soda)	E	C	E	G	E	E	E	E	E	Triethylamine	G	G	E	G	G	E	G	E	E
Sodium Hypochlorite	F	X	X	X	G	F	G	G	G	Triethylene Glycol	E	E	E	E	E	E	E	E	E
Sodium Metaphosphate	E	E	G	E	E	G	E	E	E	Trinitrotoluene (TNT)	X	X	G	X	X	G	X	X	X
Sodium Nitrate	E	E	E	E	E	E	E	E	E	Triphenyl Phosphate	X	X	C	X	E	C	G	E	E
Sodium Nitrite	E	E	E	E	E	E	E	E	E	Trisodium Phosphate	E	E	E	E	E	E	E	E	E
Sodium Perborate	C	X	G	X	E	X	G	E	E	Tung Oil	X	X	G	E	C	G	X	E	E
Sodium Peroxide	G	G	G	G	E	G	E	G	G	Turbine Oil	X	X	G	G	X	G	X	E	E
Sodium Phosphate	E	G	G	E	E	E	E	E	E	Turpentine	X	X	E	E	X	X	X	G	E
Sodium Silicate	E	E	E	E	E	E	E	E	E	2, 4D With 10% Fuel Oil	X	X	E	E	X	X	X	E	E
Sodium Sulfate	E	E	E	E	E	E	E	E	E	Ucon Hydrolube Oils	X	X	G	E	E	X	E	E	E
Sodium Sulfide	E	E	E	E	E	E	E	E	E	Undecanol	E	E	E	E	E	E	E	E	E
Sodium Sulfite	E	E	E	E	E	E	E	E	E	Unsymmetrical Dimethyl Hydrazine (UDMH)	X	X	X	X	E	E	E	C	C
Sodium Thiosulfate	E	E	E	E	E	E	E	E	E	Uran	G	C	G	G	G	E	G	E	E
Soybean Oil	X	X	G	G	G	G	G	E	E	Urea	E	F	E	F	E	F	E	E	E
Stannic Chloride	E	E	E	E	G	E	E	E	E	Urethane Formulations	N	N	N	E	N	N	N	N	N
Stannic Sulfide	E	E	E	E	E	E	E	E	E	Uric Acid	N	N	N	N	N	N	N	N	N
Stannous Chloride	E	E	E	E	E	E	E	E	E	Varnish	X	X	G	G	X	F	X	E	E
Stannous Sulfide	E	E	E	E	E	E	E	E	E	Vegetable Oils	X	X	G	E	E	G	C	E	E
Steam - Below 350 Deg F	X	X	X	X	G	X	E	X	X										



# CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Versilube	C	C	C	E	E	E	E	E	E
Vinegar	E	F	E	C	E	E	G	E	E
Vinegar Acid	E	F	E	F	E	E	G	E	E
Vinyl Acetate	X	X	X	X	G	F	F	G	X
Vinyl Benzene	X	X	X	X	X	X	X	G	G
Vinyl Chloride	F	X	X	X	X	X	X	E	E
Vinyl Cyanide	N	N	N	N	N	N	N	N	N
Vinyl Ether	X	X	X	X	X	C	C	E	E
Vinyl Styrene	N	N	N	N	N	N	N	N	N
Vinyl Toluene	X	X	X	X	X	X	X	G	G
Vinyl Trichloride	X	X	X	X	X	X	X	E	E
V.M. & P. Naptha	X	X	E	E	X	X	X	E	E
Water, Fresh (Non F.D.A.)	E	E	E	E	E	E	E	E	E
Water Boiling	N	N	E	N	N	N	E	N	N
Water, Salt	E	E	E	G	E	E	E	E	E
Whiskey	E	E	E	E	E	E	E	X	N
White Liquor	E	E	E	E	G	E	C	E	E
White Oil	X	X	G	E	X	X	X	E	E
Wines	E	E	E	E	E	E	E	X	N
Wood Alcohol	E	E	E	E	E	E	E	E	E
Xylene (Xylol)	X	X	X	X	X	X	X	C	C
Xylidine	X	X	X	X	X	X	X	G	G
Zeolites	G	E	E	C	C	E	E	E	E
Zinc Acetate	C	X	C	C	E	C	G	E	E
Zinc Carbonate	E	E	E	E	E	E	E	E	E
Zinc Chloride	E	E	E	E	E	E	G	E	E
Zinc Chromate	E	C	E	E	E	C	E	G	G
Zinc Sulfate	E	E	E	E	E	E	E	E	E

## RESISTANCE RATING

E	EXCELLENT	C	ACCEPTABLE
G	GOOD	X	UNSATISFACTORY
F	FAIR	N	NO DATA

**Maximum temperature  
100°F (38°C)  
unless otherwise specified.**

The reader is cautioned that the above table is only a guide and should be used as such. The degree of resistance of an elastomer with a particular fluid depends on such variables as temperature, concentration, pressure, velocity of flow, duration of exposure, aeration, stability of fluid, etc. Also, variations in elastomer types and special compounding of stocks to meet specific service conditions have considerable influence on the results obtained.



# TABLE OF CHEMICAL RESISTANCE

## PVC, TPR, TPE

**WARNING:** The following data has been compiled from generally available sources and should not be relied upon without consulting and following the hose manufacturer's specific chemical recommendations. Neglecting to do so might result in failure of the hose to fulfill its intended purpose, and may result in possible damage to property and serious bodily injury.

**1-EXCELLENT**

**2-GOOD**

**3-LIMITED**

**4-UNSATISFACTORY**

### HOSE CONSTRUCTION WITH TEMPERATURE

MATERIAL CONVEYED	PVC (F°)		TPR (F°)		TPE (F°)	
	68	104	68	104	68	104
Acetate solvents, crude	4	4	3	4	3	4
Acetate solvents, pure	4	4	3	4	3	4
Acetic Acid 0 -1%	1	2	1	2	3	4
Acetic Acid 20 -30%	1	2	1	2	3	4
Acetic Acid 80%	2	2	1	2	4	4
Acetic Acid Vapors	1	2	1	2	3	3
Acetic Acid Glacial	2	3	2	3	4	4
Acetone	2	3	1	1	3	4
Alum	1	1	1	1	1	1
Aluminum Acetate	1	2	1	1		
Aluminum Chloride	1	1	1	1	1	1
Aluminum Flouride	1	1	1	1	1	1
Aluminum Hydroxide	1		1	1	1	1
Aluminum Nitrate	1	2	1	1	2	2
Aluminum Sulfate	1	1	1	1	1	1
Ammonia - aqueous	1		1		3	
Ammonia - dry gas	2		2		3	
Ammonia - liquid	4		3		3	
Ammonium Nitrate	1	1	1	1	2	2
Ammonium Sulfate	1	1	1	1	2	2
Ammonium Sulfide	1	1	1	1	1	1
Ammonium Thiocyanate	1	1	1	1	2	2
Amyl Alcohol	1	2	1	2	4	4
Amyl Chloride	4	4	4	4	4	4
Aniline	2	3	1	2		
Animal Oils	1	1	1	1		
Apple - sauce/juice	1	1				
Aqua Regia	3	4	2	3		
Aromatic Hydrocarbons	3	3	1	1		
Arsenic Acid 80%	1	2	1	1	4	4
ASTM Fuel #1 Oil	1	1	1	1	2	2
ASTM Fuel #3 Oil	2	3	1	1	2	2
ASTM Fuel A	2	2	1	1	2	2
ASTM Fuel B	4	4	1	1	2	3
ASTM Fuel C	4	4	1	2	2	3
Baby Food	1	1				
Barium Carbonate	1	1	1	1	1	1
Barium Chloride	1	1	1	1	1	1
Barium Hydroxide	1	1	1	1	2	3
Barium Sulfate	1	1	1	1	1	1
Barium Sulfide	1	1	1	1	1	1
Barley	1	4				
Beer	1	1				
Beet Sugar - liquor	1	1				
Benzene	3	3	1	2	3	3
Benzene Sulfonic Acid 10%	1	1	1	1	4	4
Benzoic Acid	2	3	1	2	4	4
Benzol	4	4	2	3	3	4
Black Liquor	1	1	1	1		
Bleach 12.5% active CL	2	3	1	2	3	4
Borax	1	2	1	1	1	1
Bordeaux Mixture	1	1	1	1		



# TABLE OF CHEMICAL RESISTANCE

## PVC, TPR, TPE

1-EXCELLENT

2-GOOD

3-LIMITED

4-UNSATISFACTORY

### HOSE CONSTRUCTION WITH TEMPERATURE

MATERIAL CONVEYED	PVC (F°)		TPR (F°)		TPE (F°)	
	68	104	68	104	68	104
Boric Acid	1	1	1	1		
Brine	1	1	1	1	3	4
Bromic Acid	1	2	1	2	3	4
Bromine - liquid	4	4	3	4	4	4
Bromine - water	4	4	3	4	4	4
Butadiene	3	4				
Butane	1	1	1	1	1	1
Butter	2	3				
Butyl Alcohol	1	2	1	2	1	2
Butyl Cellosolve	4	4	3	4		
Butyl Phenol	3	4	2	3		
Butylene	1	2	1	1	1	1
Butyric Acid 20%	3	4	2	3	3	4
Calcium Bisulfate	1	1	1	1	1	1
Calcium Carbonate	1	1	1	1	1	1
Calcium Chlorate	1	1	1	1	2	3
Calcium Chloride	1	1	1	1	3	4
Calcium Hydroxide	1	1	1	1	2	3
Calcium Hypochlorite	1	1	1	1	4	4
Calcium Nitrate	1	1	1	1	1	1
Calcium Sulfate	1	1	1	1	1	1
Cane Sugar Liquors	1	1				
Carbon Monoxide	1	1	1	1	1	1
Carbon Tetrachloride	4	4	2	3	3	4
Carbonic Acid	1	1	1	1	4	4
Carrots	1	1				
Castor Oil	1	1	1	1	1	1
Catsup	1	2				
Caustic Potash	1	1	1	1	3	4
Caustic Soda	1	1	1	1	3	4
Cellosolve	3	4	2	3	2	3
Cheese	1	2				
Chlorine Gas - dry	1	1	1	1	4	4
Chlorine Gas - moist	3	4	2	3	4	4
Chlorine Water 2%	3	4	2	3	3	4
Chocolate	2	3				
Chrome Alum	1	1	1	1	1	1
Chromic Acid 25%	2	3	1	2	4	4
Chromic Acid 50%	2	3	1	2	4	4
Citric Acid	1	1				
Coal Tar			3	3		
Coconut Oil	3	4	1	1	1	1
Cola Beverage	1	1				
Copper Chloride	1	2	1	1	1	1
Copper Cyanide	1	1				
Copper Nitrate	1	2	1	1	1	1
Copper Sulphate	1	2	1	1	1	1
Corn Oils	1	2				
Cottonseed Oil	2	3				
Creosote	4	4	3	4		
Creosole	4	4	3	4	3	4
Crude Oil Sour	1	1	1	1	1	1
Crude Oil Sweet	1	1	1	1	1	1
Demineralized Water	1	1	1	1	3	4
Detergents, synthetic	1	2	1	1		
Developers, photographic	1	1	1	1		
Dextrose	1	2	1	1	1	1
Diesel Oils	3	4	1	2		



# TABLE OF CHEMICAL RESISTANCE

## PVC, TPR, TPE

1-EXCELLENT

2-GOOD

3-LIMITED

4-UNSATISFACTORY

### HOSE CONSTRUCTION WITH TEMPERATURE

MATERIAL CONVEYED	PVC (F°)		TPR (F°)		TPE (F°)	
	68	104	68	104	68	104
Disodium Phosphate	1	1	1	1	1	1
Distilled Water	1	1	1	1	3	4
Eggs	1	1				
Emulsions, photographic	1	1				
Ethers	4	4	2	3	3	4
Ethyl Alcohol	2	3				
Ethyl Alcohol 50 - 98%	3	4				
Ethyl Chloride	4	4	4	4	4	4
Ethylene Bromide	1	4	1	3	4	4
Ethylene Glycol	1	1	1	1	2	3
Ferric Chloride	1	1	1	1	2	3
Ferric Nitrate	1	1	1	1	1	1
Ferric Sulphate	1	1	1	1	1	1
Fish Solubles	1	1	1	1	1	2
Fixing Solutions, Photo.	1	2				
Flour	1	4				
Fluoroboric Acid	1	1	1	1	1	1
Formic Acid 3%	1	2				
Formic Acid 10%	1	2				
Formic Acid 25%	1	2				
Formic Acid 50%	3	4				
Freon - 12	1	2	1	1	1	1
Fructose	1	1	1	1	1	1
Fruit Pulps and Juices	1	1				
Fuel Oil	2	3	1	1	1	2
Gas - cook oven	2	2	1	2	2	2
Gas - natural (dry)	1	1	1	1	1	1
Gas - natural (wet)	1	1	1	1	1	1
Gasoline	4	4	2	3		
Gasoline - refined	3	4	1	1	2	3
Gelatin	1	1	1	1	1	1
Gin	1	2				
Glucose	1	1	1	1	1	1
Glycerine	1	1	1	1	1	1
Glycol	1	1	1	1	2	2
Grape Juice	1	1				
Grapefruit Juice	1	1				
Grease	1	2				
Green Liquor (paper)	1	1				
Heptane	3	4	1	2	1	
Hexane	3	4				
Honey	1	1				
Hydrochloric 10%	1	1	1	1	4	4
Hydrochloric 48%	3	4				
Hydrofluoric 4%	2	3				
Hydrofluoric 10%	3	3				
Hydrofluoric 48%	3	4				
Hydrofluoric 60%	3	4				
Hydrogen	1	2	1	1	1	1
Hydrogen Peroxide 12%	1	2	1	1	2	3
Hydrogen Peroxide 50%	1	3	1	2	3	4
Hydrogen Peroxide 90%	4	4	3	4	4	4
Isopropyl Alcohol	1	2	1	1	3	4
JP 3,4,5	4	4	2	3	3	3
Kerosene	4	4	1	1	1	1
Kraft Liquor (paper)	1	1				
Lacquer Thinner	3	4	2	2	3	3
Lactic Acid 28%	1	1				



# TABLE OF CHEMICAL RESISTANCE

## PVC, TPR, TPE

1-EXCELLENT

2-GOOD

3-LIMITED

4-UNSATISFACTORY

## HOSE CONSTRUCTION WITH TEMPERATURE

MATERIAL CONVEYED	PVC (F°)		TPR (F°)		TPE (F°)	
	68	104	68	104	68	104
Lard	2	3				
Lard Oil	1	2				
Lauric Acid	1	1	1	1	3	4
Lead Acetate	1	1	1	1	1	1
Lemon Juice	1	2				
Lime Sulfur	1	1				
Linseed Oil	1	1	1	1	1	1
Lubricating Oils	1	1	1	1	1	1
Magnesium Carbonate	1	1	1	1	1	1
Magnesium Hydroxide	1	1	1	1	3	4
Mayonnaise	1	1				
Mercuric Chloride	2	2	1	1	2	3
Mercury	2	2				
Methyl Acetate	4	4				
Methyl Alcohol	3	4	2	3	3	4
Methyl Ethyl Ketone	4	4	2	3	3	4
Milk	1	1				
Mineral Oils	1	2	1	1	1	1
Molasses	1	1	1	1	1	1
Naptha	4	4	1	1		
Napthalene	3	4	1	1		
Nickel Acetate	1	1	1	1	1	1
Nicotine Acid	1	2	1	1	3	4
Nitric Acid 10%	1	2	1	1	4	4
Nitric Acid 40%	2	3	1	1	4	4
Nitric Acid 60%	3	4	2	3	4	4
Nitric Acid 68%	3	4	2	3	4	4
Nitric Acid 70%	4	4	3	3	4	4
Oats	1	4				
Oils, Petroleum	1	2	1	1	1	1
Oleic Acid	2	3	1	1	4	4
Oleum	4	4	4	4	4	4
Orange Juice	1	1				
Oxygen	1	1				
Ozone	3	4				
Paraffin	1	2				
Peanut Butter	1	2				
Pentane	3	4				
Petrol	4	4				
Petroleum Ether	3	3	1	1		
Phosgene (gas)	1	2				
Phosgene (liquid)	4	4				
Phosphoric Acid 89%	1	1			4	4
Phosphorous (yellow)	2	3				
Picric Acid	4	4	4	4	4	4
Pitch	2	3	1	1		
Plating Solutions	1	2				
Potassium Bicarbonate	1	1	1	1	1	1
Potassium Bromate 10%	1	1	1	1	1	1
Potassium Bromide	1	1	1	1	1	1
Potassium Chloride	1	1	1	1	1	2
Potassium Cyanide	1	1	1	1	1	1
Potassium Flouride	1	1	1	1	1	2
Potassium Nitrate	1	1	1	1	1	1
Potassium Perborate	1	1	1	1	1	1
Potassium Sulfide	1	1	1	1	1	1
Propane	1	1	1	1	1	1
Propyl Alcohol	1	2	1	1	2	3
Richfield A Weed Killer	1	2				
Salt Water	1	1	1	1	2	3
Shortening	2	3				

This does not imply conformance to FDA requirements or Federal or State Laws when handling food products.



# TABLE OF CHEMICAL RESISTANCE

## PVC, TPR, TPE

1-EXCELLENT

2-GOOD

3-LIMITED

4-UNSATISFACTORY

### HOSE CONSTRUCTION WITH TEMPERATURE

MATERIAL CONVEYED	PVC (F°)		TPR (F°)		TPE (F°)	
	68	104	68	104	68	104
Silver Nitrate	1	1	1	1	1	1
Silver Plating Solution	1	2	1	1	1	1
Soap	1	1	1	1	2	3
Sodium Benzoate	1	2	1	1	1	1
Sodium Bicarbonate	1	1	1	1	1	1
Sodium Bromide	1	1	1	1	1	2
Sodium Carbonate (soda ash)	1	1	1	1	1	2
Sodium Chlorate	2	3	1	2	3	3
Sodium Chloride	1	1	1	1	1	2
Sodium Cyanide	1	1	1	1	1	1
Sodium Dichromate	1	2	1	2	1	2
Sodium Hydroxide 10%	1	1	1	1	3	4
Sodium Hydroxide 35%	1	2	1	1	4	4
Sodium Hydroxide 50%	1	3	1	2		
Sodium Nitrate	1	1	1	1	1	1
Sodium Phosphate Acid	2	2	1	2	4	4
Soya Beans	1	4				
Soya Oil	1	3				
Soybean Oil	1	1				
Stannis Chloride	1	1	1	1	1	2
Stearic Acid	1	2				
Sugar - all forms	1	1				
Sulfur	2	2				
Sulfuric Acid 10%	1	2	1	1	3	4
Sulfuric Acid 70%	1	2	1	1	4	4
Sulfuric Acid 95%	3	3	1	2	4	4
Sulurous Acid	2	3	1	2	4	4
Tannic Acid	1	1	1	1	3	4
Tartaric Acid	1	2	1	1	2	3
Tetraethyl Lead	2	3			2	2
Tin Chloride	1	1	1	1	1	1
Toluol	4	4	2	2	3	4
Toluene	4	4	2	2	3	4
Tomatoes	1	1				
Trichlorethylene	4	4			3	4
Triethanolamine	3	4				
Trimethyl Propane	3	4				
Trisodium Phosphate	1	1	1	1	1	1
Turpentine	3	4	1	1	2	3
Urea	1	2	1	1	1	1
Urine	1	1	1	1	1	1
Varnish	4	4	1	1	1	2
Vegetable Oils	2	3				
Vinegar	1	2				
Water Acid - mine water	1	1	1	1	3	4
Water - distilled	1	1	1	1	3	4
Water - fresh	1	1	1	1	3	4
Water - salt	1	1	1	1	3	4
Whiskey	1	2				
White Gasoline	1	1	1	1	1	2
White Liquor (paper)	1	1				
Wines	1	2				
Xylene	4	4	1	1	2	3
Xylol	4	4	1	1	2	3
Yeast	1	2				
Yogurt	1	2				
Zinc Chloride	1	1	1	1	1	1
Zinc Chromate	1	1	1	1	1	1
Zinc Cyanide	1	1	1	1	1	1
Zinc Nitrate	1	1	1	1	1	1
Zinc Sulfate	1	1	1	1	1	1

The reader is cautioned that the above table is only a guide and should not be used as such, as specific application parameters such as temperature, pressure and chemical concentrations vary widely. Multiple chemical products may introduce uncontrollable factors relating to chemical resistance.



# COUPLING MATERIAL CORROSION RESISTANCE

**WARNING:** The following data has been compiled from generally available sources and should not be relied upon without consulting and following the hose manufacturer's specific chemical recommendations. Neglecting to do so might result in failure of the hose to fulfill its intended purpose, and may result in possible damage to property and serious bodily injury.

## RESISTANCE RATING

METAL		
1	-	EXCELLENT
2	-	GOOD
3	-	FAIR
X	-	NOT RECOMMENDED
C	-	CONTACT FACTORY

NON-METAL		
A	-	ACCEPTABLE
X	-	NOT RECOMMENDED
C	-	CONTACT FACTORY

1. Ratings given are based at +70°F (+21°C). Chemical compatibility varies greatly with temperature. For applications at temperatures other than +70°F (+21°C), contact the manufacturer for recommendations.
2. Chemical resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc.

**SPECIAL CAUTION SHOULD BE TAKEN WHEN HANDLING HAZARDOUS MATERIALS.**

	ALUMINUM	BRASS	CARBON STEEL	STAINLESS STEEL, 304	STAINLESS STEEL, 316	NYLON	POLYPROPYLENE		ALUMINUM	BRASS	CARBON STEEL	STAINLESS STEEL, 304	STAINLESS STEEL, 316	NYLON	POLYPROPYLENE
Acetate Solvents ( Crude)	1	X	2	1	1	A	X	Barium Carbonate	X	2	2	2	2	A	A
Acetate Solvents ( Pure)	1	1	X	1	1	A	X	Barium Chloride	C	2	C	X	C	A	A
Acetic Acid (80%)	3	X	X	1	1	X	X	Barium Hydroxide	X	2	2	2	2	A	A
Acetic Acid (50%)	2	X	X	2	1	X	X	Barium Sulfate	2	2	X	2	2	A	A
Acetic Acid (20%)	2	X	X	2	1	X	X	Barium Sulfide	X	X	2	2	2	A	A
Acetic Acid (10%)	2	X	X	1	1	X	X	Beer	1	2	2	1	1	A	A
Acetic Anhydride	2	X	2	2	2	X	X	Benzaldehyde	2	2	X	2	2	X	X
Acetone	1	2	2	1	1	A	X	Benzene, Benzol	1	2	2	2	2	A	X
Acetylene	1	X	2	1	1	X	X	Benzine	1	2	2	2	2	A	X
Alcohol - Amyl	2	2	2	2	2	A	X	Benzoic Acid	2	2	X	2	2	X	X
Alcohol - Benzyl	2	2	2	1	1	A	X	Black Liquor	X	X	C	2	2	X	A
Alcohol - Butyl	1	2	2	1	1	X	X	Bleach	X	C	X	C	X	X	A
Alcohol - Diacetone	1	1	2	2	2	X	X	(12.5% active Chlorine)							
Alcohol - Ethyl	1	2	2	2	2	X	X	Borax	X	2	2	1	1	X	A
Alcohol - Hexyl	C	C	C	C	C	X	X	Boric Acid	1	X	X	C	C	X	A
Alcohol - Isobutyl	C	C	C	C	C	X	X	Brine Acid	1	X	X	C	C	X	A
Alcohol - Isopropyl	2	2	2	2	2	X	X	Bromic Acid	X	X	C	C	C	X	A
Alcohol - Methyl	2	2	2	2	2	X	X	Bromine Liquid	2	C	C	X	X	X	X
Alcohol - Octyl	C	C	C	C	C	A	X	Butadiene, Butylene	2	2	2	2	2	X	X
Alcohol - Propyl	2	2	2	1	1	X	X	Butane	2	2	1	2	2	X	X
Aluminum Chloride	X	X	X	X	X	A	A	Butyl Acetate	1	2	2	2	2	A	X
Aluminum Fluoride	2	C	X	X	2	X	A	Butyric Acid	2	2	X	2	2	A	A
Aluminum Nitrate	3	X	X	2	2	A	A	Calcium Bisulfate	X	C	X	X	2	X	A
Aluminum Potassium Sulfate	2	2	X	X	2	X	A	Calcium Bisulfide	C	C	C	C	2	A	A
Aluminum Sulfate	X	X	X	C	2	A	A	Calcium Bisulfite	X	X	X	C	2	X	A
Ammonia Anhydrous	1	X	1	2	1	A	X	Calcium Bromide	X	2	X	X	X	X	X
Ammonia Gas	X	X	1	1	1	A	X	Calcium Carbonate	X	2	2	1	2	A	A
Ammonia Nitrate	C	C	C	C	C	X	C	Calcium Chloride	C	2	2	C	C	A	A
Ammonium Bifluoride	C	X	X	C	C	X	A	Calcium Hydroxide	X	2	2	2	2	A	A
Ammonium Carbonate	2	X	2	2	2	A	A	Calcium Hypochlorite	X	X	X	X	2	X	A
Ammonium Casenate	C	C	C	C	C	A	C	Carbon Bisulfide	1	X	2	2	2	A	X
Ammonium Chloride	X	X	X	X	X	A	A	Carbon Dioxide - Dry	1	1	2	2	2	A	A
Ammonium Hydroxide	2	X	1	2	2	A	A	Carbon Dioxide - Wet	1	X	3	2	2	X	A
Ammonium Nitrate	2	X	X	C	C	A	A	Carbon Disulfide	1	X	2	2	2	A	X
Ammonium Phosphate	X	X	X	1	2	A	A	Carbon Monoxide	1	1	2	1	1	A	A
Ammonium Sulfate	X	X	X	X	2	A	A	Carbon Tetrachloride	X	C	2	1	C	A	X
Aniline	C	X	X	1	1	X	X	Carbonic Acid	1	2	2	2	2	X	A
Arsenic Acid	X	X	X	2	2	X	A	Castor Oil	2	2	2	2	2	X	A
Asphalt	C	C	2	C	2	X	X	Caustic Potash	X	C	X	C	2	A	A



# COUPLING MATERIAL CORROSION RESISTANCE

Ratings given are based at +70°F (+21°C).

	ALUMINUM	BRASS	CARBON STEEL	STAINLESS STEEL, 304	STAINLESS STEEL, 316	NYLON	POLYPROPYLENE		ALUMINUM	BRASS	CARBON STEEL	STAINLESS STEEL, 304	STAINLESS STEEL, 316	NYLON	POLYPROPYLENE
Caustic Soda (see Sodium Hydroxide)								Isopropyl Ether	C	2	C	1	2	A	X
Cellosolves	2	2	2	2	2	X	A	Jet Fuel (JP4, JP5)	2	1	2	2	2	X	X
Chlorine - Liquid	C	C	2	C	3	X	X	Kerosene	2	2	2	2	2	X	X
Chloroform	C	C	X	C	C	X	X	Ketones	2	2	2	2	2	A	X
Chlorosulfonic Acid	C	X	2	X	X	X	X	Lactic Acid (25%)	3	2	X	C	C	A	A
Clorox (5.5% bleach)	X	C	X	C	2	X	C	Lactic Acid (80%)	2	2	X	C	C	A	A
Chromic Acid (50%)	2	X	X	3	C	X	X	Lard Oil	2	C	3	2	2	A	A
Citric Acid	3	X	X	3	C	X	X	Lead Acetate	X	X	X	2	2	X	A
Coke Oven Gas	2	3	2	2	2	X	X	Lead Chloride	X	C	C	2	2	X	C
Copper Chloride	X	X	X	X	X	A	A	Lead Sulfate	X	C	X	2	2	X	C
Copper Cyanide	X	X	C	2	2	X	C	Lime Sulphur	X	X	X	2	2	X	A
Copper Sulfate	X	X	X	C	2	A	A	Lonoleic Acid	2	X	X	2	2	X	A
Crylic Acid	2	2	2	2	2	X	X	Linseed Oil	2	2	2	2	2	A	A
Cyclohexane	2	2	2	2	2	A	X	Lubricants (oil)	2	1	2	2	2	A	X
Detergents	2	2	2	1	2	A	A	Magnesium Carbonate	2	C	C	2	2	X	A
Dextrose	2	C	C	C	C	A	A	Magnesium Chloride	X	X	C	C	C	X	A
Diesel Fuels	1	1	2	1	1	A	X	Magnesium Hydroxide	2	2	2	1	1	X	A
Diethylamine	2	C	X	2	2	X	A	Magnesium Nitrate	2	2	2	2	2	X	A
Disodium Phosphate	C	C	1	C	1	A	A	Magnesium Oxide	C	C	C	C	C	X	C
Ethers	2	2	2	1	1	A	X	Magnesium Sulfate	2	C	C	2	2	X	A
Ethyl Acetate	C	C	2	2	2	A	X	Maleic Acid	C	2	X	C	2	X	A
Ethyl Chloride	C	C	2	C	1	A	X	Mercuric Chloride	X	X	X	X	C	X	A
Ethylene Chloride	C	C	2	C	C	A	X	Mercuric Cyanide	X	X	X	2	2	X	A
Ethylene Dichloride	C	2	2	2	2	A	X	Mercury	X	X	2	1	1	A	A
Ethylene Glycol	1	2	2	2	2	A	X	Methane	1	1	2	1	1	A	X
Ethylene Oxide	1	X	2	2	2	X	X	Methanol	2	2	2	2	2	A	A
Fatty Acids	1	3	X	C	1	A	A	Methyl Bromide	X	C	2	2	2	X	X
Ferric Chloride	X	X	X	X	X	X	A	Methyl Ethyl Ketone	2	2	2	2	2	A	X
Ferric Hydroxide	C	C	C	1	1	A	C	Methyl Isobutyl Ketone	2	2	2	2	2	A	X
Ferric Nitrate (10 - 50%)	X	X	X	2	2	X	A	Methyl Methacrylate	2	C	X	2	2	X	A
Ferric Sulfate	X	X	X	C	C	X	A	Methylene Chloride	C	2	2	C	C	A	X
Ferrous Chloride	X	X	C	X	X	X	A	Milk	1	X	2	1	1	A	A
Ferrous Sulfate	2	2	X	2	C	X	A	Mineral oil	2	1	2	1	2	A	A
Fluboric Acid	X	C	1	C	C	X	A	Muriatic Acid	X	C	C	X	X	X	A
Formaldehyde (50%)	C	2	X	1	1	X	A	Napthalene	2	2	2	1	1	A	A
Formic Acid (Anhydrous)	1	X	X	C	C	X	A	Napthalene	2	2	2	2	2	A	X
Freon 11	2	2	X	2	2	X	X	Nickel Chloride	X	X	X	C	C	X	A
Freon 12	2	2	X	2	2	X	X	Nickel Sulfate	X	X	C	2	2	X	A
Freon 22	2	2	X	2	2	X	X	Nitric Acid (100%)	1	X	X	2	C	X	X
Fruit Juices	2	2	X	2	2	A	A	Nitric Acid (50%)	X	X	X	2	C	X	X
Fuel Oil	2	2	2	2	2	A	X	Nitric Acid (30%)	X	X	X	1	C	X	X
Furfural	2	2	2	2	2	A	X	Nitrobenzene	1	2	2	2	2	A	A
Gasoline - Refined	2	2	2	2	2	A	X	Oil - Castor	2	2	2	2	2	A	A
Gasoline - Sour	X	2	2	2	2	A	X	Oil - Coconut	2	C	3	2	2	A	A
Gelatin	2	2	X	2	2	A	A	Oil - Corn	2	2	2	C	2	A	A
Glucose	2	2	2	2	2	A	A	Oil - Cotton Seed	2	2	2	2	2	A	A
Glue	2	2	2	C	2	C	A	Oil - Fuel	2	2	2	2	2	A	X
Glycerine	1	1	2	1	1	A	A	Oil - Linseed	2	2	2	2	2	A	A
Glycols	2	2	2	2	2	A	A	Oil - Mineral	2	1	2	1	2	A	A
Green Liquor	C	C	2	C	C	C	A	Oil - Silicon	2	1	2	2	2	A	A
Heptane	2	2	2	2	2	A	X	Oil - Vegetable	2	2	2	1	1	A	X
Hexane	2	2	2	1	1	A	X	Oleic Acid	2	3	2	C	1	A	X
Hydrobromic Acid - 50%	X	X	X	X	X	X	A	Oleum	2	X	2	2	2	X	X
Hydrobromic Acid - 20%	X	X	X	X	X	X	A	Oxalic Acid	2	C	X	X	X	X	A
Hydrochloric Acid - 20%	X	X	X	X	X	X	A	Oxygen	2	2	2	2	2	X	X
Hydrochloric Acid - 38%	X	X	X	X	X	X	A	Palmitic Acid	2	3	3	2	2	X	A
Hydrocyanic Acid	2	X	2	2	2	X	A	Paraffin	2	2	2	2	2	A	A
Hydrofluosilicic Acid-10 -50%	X	2	X	X	2	X	C	Perchloroethylene	2	2	2	C	C	X	X
Hydrogen Peroxide - 50%	C	X	X	C	C	X	A	Petrolatum	2	C	3	2	2	A	C
Hydrogen Sulfide	C	C	C	X	2	X	A	Phenol (Carbonic Acid)	1	1	2	C	1	X	X
Hydrogen Chloride (Dry Gas)	X	2	2	C	C	X	A	Phosphoric Acid (25-50%)	X	X	X	C	C	X	A
Hydrogen Gas	1	1	C	1	1	X	A	Phosphoric Acid (50-85%)	X	X	X	C	C	X	A
Hypo chlorous Acid	X	X	X	X	X	X	X	Photographic Solutions	C	C	X	1	1	X	X
Iodine	1	X	X	X	X	X	A	Phthalic Anhydride	C	2	2	1	1	X	X
								Picric Acid	1	X	X	2	2	X	C



## COUPLING MATERIAL CORROSION RESISTANCE

Ratings given are based at +70°F (+21°C).

	ALUMINUM	BRASS	CARBON STEEL	STAINLESS STEEL, 304	STAINLESS STEEL, 316	NYLON	POLYPROPYLENE		ALUMINUM	BRASS	CARBON STEEL	STAINLESS STEEL, 304	STAINLESS STEEL, 316	NYLON	POLYPROPYLENE
Plating Solutions								Sulfuric Acid to 10%	X	2	X	X	X	X	A
Brass	C	C	C	C	2	X	A	Sulfuric Acid - 100%	X	X	2	C	C	X	X
Cadmium	C	2	C	C	2	X	A	Sulfurous Acid	2	2	X	X	C	X	A
Chrome (40%)	X	C	X	2	2	X	A	Tannic Acid	X	C	X	2	2	X	A
Copper Cyanide	C	C	C	C	C	X	A	Tanning Liquors	1	C	C	1	1	X	A
Gold	C	C	C	C	1	X	A	Tartaric Acid	C	C	C	1	1	A	A
Iron	C	C	C	C	C	X	A	Titanium Tetrachloride	X	X	2	C	2	X	X
Lead	C	C	C	1	1	X	A	Toluene	1	1	1	1	1	A	X
Nickel	C	C	C	1	1	X	A	Tetrahydrofuran	X	C	1	1	2	A	X
Silver	C	C	C	1	1	X	A	Tomato Juice	2	C	3	2	2	X	A
Tin	C	C	C	C	3	X	A	Trichloroethylene	1	C	2	C	C	A	X
Zinc	C	C	C	C	C	X	A	Triethanolamine	2	X	2	2	2	A	X
Potassium Acetate	X	X	2	C	C	A	A	Triethylamine	C	C	C	2	2	A	X
Potassium Bicarbonate (30%)	X	2	2	1	1	A	A	Trisodium Phosphate	X	2	2	1	1	A	A
Potassium Carbonate (50%)	X	2	2	1	1	A	A	Turpentine	2	X	2	1	1	X	X
Potassium Chlorate (30%)	2	X	2	2	1	X	A	Urea - 50%	2	C	2	2	2	A	A
Potassium Chloride (30%)	X	X	2	C	C	A	A	Urine	C	C	2	1	1	X	A
Potassium Chromate (30%)	2	2	C	2	2	X	A	Vinegar	2	X	2	2	2	X	A
Potassium Cyanide (30%)	X	X	2	2	2	X	A	Water Acid (Mine)	X	X	X	C	C	X	A
Potassium Dichromate (30%)	1	2	2	1	1	X	A	Water (Distilled)	X	2	X	2	2	A	A
Potassium Hydroxide (90%)	X	X	C	X	C	X	A	Water (Sea)	2	2	X	2	2	A	A
Potassium Nitrate (80%)	1	2	2	2	2	X	A	Whiskey	X	2	2	1	1	X	A
Potassium Permanganate (20%)	2	2	2	2	2	X	A	White Liquor	2	C	X	2	2	X	A
Potassium Sulfate (10%)	1	2	2	1	1	A	A	Wine	X	2	X	1	1	X	A
Propane	1	1	2	2	2	X	X	Xylene	2	2	2	2	2	A	X
Propylene Glycol	2	2	2	2	2	A	A	Zinc Chloride	X	X	X	X	2	A	A
Propylene Oxide (90%)	C	C	C	1	1	X	X	Zinc Nitrate	C	C	C	2	2	X	A
Pyridine	2	2	2	2	2	A	X	Zinc Sulfate - 50%	X	2	X	1	1	X	A
Pyrogalllic Acid	2	2	2	2	2	X	X								
Silver Nitrate	X	X	X	2	1	X	A								
Soap Solutions	2	2	2	2	2	A	A								
Sodium Acetate	1	2	X	2	2	A	A								
Sodium Bicarbonate - 20%	2	2	3	1	1	A	A								
Sodium Bisulfate	X	C	2	C	C	A	A								
Sodium Bisulfite	X	2	X	C	C	A	A								
Sodium Borate	2	2	3	2	2	A	A								
Sodium Perborate - 10%	2	X	2	2	2	X	A								
Sodium Carbonate	X	2	2	C	2	A	A								
Sodium Chlorate - 50%	2	2	X	2	2	X	A								
Sodium Cyanide	X	X	2	C	C	A	A								
Sodium Dichromate	2	X	2	2	2	X	A								
Sodium Hydroxide - 70%	X	X	3	2	2	X	A								
Sodium Hydroxide - 50%	X	X	3	1	C	X	A								
Sodium Hydroxide - 30%	X	2	2	1	1	X	A								
Sodium Hydrochloride - 30%	X	2	2	C	C	X	A								
Sodium Hypochlorite	X	X	X	C	C	X	A								
Sodium Metaphosphate	X	X	X	2	2	X	X								
Sodium Nitrate - 40%	1	2	2	1	1	A	A								
Sodium Perborate - 10%	2	X	2	2	2	X	A								
Sodium Peroxide - 10%	2	X	2	2	2	X	A								
Sodium Silicate	1	2	2	2	2	A	A								
Sodium Sulfate	C	2	2	C	1	A	A								
Sodium Sulfide - 50%	X	X	2	C	2	X	A								
Sodium Thiosulphate	2	X	X	2	2	A	A								
Stannic Chloride	X	X	X	X	X	X	A								
Stannous Chloride	X	X	X	X	C	X	X								
Steam	C	C	C	C	C	X	C								
Stearic Acid	2	3	3	2	1	A	A								
Stoddard's Solvent	2	2	2	2	2	X	A								
Sugar Liquors (Cane)	1	2	2	2	2	A	A								
Sugar Liquors (Beet)	1	2	2	1	1	A	A								
Sulfate Liquors	2	X	3	C	2	X	A								
Sulfite Liquors	X	X	X	2	2	X	X								
Sulfur Chloride	X	C	X	C	C	X	X								
Sulfur Dioxide (Dry)	2	2	1	C	2	X	A								
Sulfur Trioxide	2	2	2	C	2	X	X								



# TECHNICAL INFORMATION

## DECIMAL & MILLIMETER EQUIVALENTS OF FRACTIONS AND VACUUM CONVERSION TABLE

DECIMAL AND MILLIMETER EQUIVALENTS OF FRACTIONS											
1 inch = 25.4 millimeters						1 inch = 25.4 millimeters					
Fractional Inch				Decimal		Fractional Inch				Decimal	
1/64	1/32	1/16	1/8	inch	mm	1/64	1/32	1/16	1/8	inch	mm
1				0.016	0.40	33				0.516	13.10
2	1			0.031	0.79	34	17			0.531	13.50
3				0.047	1.19	35				0.547	13.90
4	2	1		0.063	1.59	36	18	9		0.563	14.30
5				0.078	1.98	37				0.578	14.70
6	3			0.094	2.38	38	19			0.594	15.10
7				0.109	2.78	39				0.609	15.50
8	4	2	1	0.125	3.18	40	20	10	5	0.625	15.90
9				0.141	3.57	41				0.641	16.30
10	5			0.156	4.00	42	21			0.656	16.70
11				0.172	4.40	43				0.672	17.10
12	6	3		0.188	4.80	44	22	11		0.688	17.50
13				0.203	5.20	45				0.703	17.90
14	7			0.219	5.60	46	23			0.719	18.30
15				0.234	6.00	47				0.734	18.70
16	8	4	2	0.250	6.40	48	24	12	6	0.750	19.10
17				0.266	6.70	49				0.766	19.50
18	9			0.281	7.10	50	25			0.781	19.80
19				0.297	7.50	51				0.797	20.30
20	10	5		0.313	7.90	52	26	13		0.813	20.60
21				0.328	8.30	53				0.828	21.00
22	11			0.344	8.70	54	27			0.844	21.40
23				0.359	9.10	55				0.859	21.80
24	12	6	3	0.375	9.50	56	28	14	7	0.875	22.20
25				0.391	9.90	57				0.891	22.60
26	13			0.406	10.30	58	29			0.906	23.00
27				0.422	10.70	59				0.922	23.40
28	14	7		0.438	11.10	60	30	15		0.938	23.80
29				0.453	11.50	61				0.953	24.20
30	15			0.469	11.90	62	31			0.969	24.60
31				0.484	12.30	63				0.984	25.00
32	16	8	4	0.500	12.70	64	32	16	8	1.000	25.40

1 INCH = 25.4 MILLIMETERS

VACUUM CONVERSION TABLE FOR WATER (SUCTION)						
ATM	PSI	Meter(s)	Feet	mm	In Hg	%
0.1	1.40	1	3 ft. 3-3/8 in.	73.60	2.90	10
0.2	2.80	2	6 ft. 6-3/4 in.	147.10	5.80	20
0.3	4.20	3	9 ft. 10-1/8 in.	220.70	8.70	30
0.4	5.70	4	13 ft. 1-1/2 in.	294.20	11.60	40
0.5	7.10	5	16 ft. 4-13/16 in.	367.80	14.50	50
0.6	8.50	6	19 ft. 8-3/16 in.	441.30	17.40	60
0.7	10.00	7	22 ft. 11-9/16 in.	514.90	20.30	70
0.8	11.40	8	26 ft. 2-15/16 in.	588.40	23.20	80
0.9	12.80	9	29 ft. 6-3/8 in.	662.00	26.00	90
1.0	14.20	10	32 ft. 9-11/16 in.	735.50	29.00	100



# TECHNICAL INFORMATION

## TEMPERATURE CONVERSION

Look up reading in middle column (shaded). If in degrees Centigrade, read Farenheit equivalent in right-hand column; if in Farenheit degrees, read Centigrade equivalent in left-hand column.

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$$

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times .5556$$

C	F <sup>C</sup>	F	C	F <sup>C</sup>	F	C	F <sup>C</sup>	F
-51	-60	-76	.6	33	91.4	22.2	72	161.6
-46	-50	-58	1.1	34	93.2	22.8	73	163.4
-40	-40	-40	1.7	35	95.0	23.3	74	165.2
-34	-30	-22	2.2	36	96.8	23.9	75	167.0
-29	-20	-4	2.8	37	98.6	24.4	76	168.8
-23	-10	14	3.3	38	100.4	25.0	77	170.6
-17.8	0	32	3.9	39	102.2	25.6	78	172.4
-17.2	1	33.8	4.4	40	104.0	26.1	79	174.2
-16.7	2	35.6	5.0	41	105.8	26.7	80	176.0
-16.1	3	37.4	5.6	42	107.6	27.2	81	177.8
-15.6	4	39.2	6.1	43	109.4	27.8	82	179.6
-15.0	5	41.0	6.7	44	111.2	28.3	83	181.4
-14.4	6	42.8	7.2	45	113.0	28.9	84	183.2
-13.9	7	44.6	7.8	46	114.8	29.4	85	185.0
-13.3	8	46.4	8.3	47	116.6	30.0	86	186.8
-12.8	9	48.2	8.9	48	118.4	30.6	87	188.6
-12.2	10	50.0	9.4	49	102.2	31.1	88	190.4
-11.7	11	51.8	10.0	50	122.0	31.7	89	192.2
-11.1	12	53.6	10.6	51	123.8	32.2	90	194.0
-10.6	13	55.4	11.1	52	125.6	32.8	91	195.8
-10.0	14	57.2	11.7	53	127.4	33.3	92	197.6
-9.4	15	59.0	12.2	54	129.2	33.9	93	199.4
-8.9	16	60.8	12.8	55	131.0	34.4	94	201.2
-8.3	17	62.6	13.3	56	132.8	35.0	95	203.0
-7.8	18	64.4	13.9	57	134.6	35.6	96	204.8
-7.2	19	66.2	14.4	58	136.4	36.1	97	206.6
-6.7	20	68.0	15.0	59	138.2	36.7	98	208.4
-6.1	21	69.8	15.6	60	140.0	37.2	99	210.2
-5.6	22	71.6	16.1	61	141.8	37.8	100	212.0
-5.0	23	73.4	16.7	62	143.6			
-4.4	24	75.2	17.2	63	145.4			
-3.9	25	77.0	17.8	64	147.2	43	110	230
-3.3	26	78.8	18.3	65	149.0	49	120	248
-2.8	27	80.6	18.9	66	150.8	54	130	266
-2.2	28	82.4	19.4	67	152.6	60	140	284
-1.7	29	84.2	20.0	68	154.4	66	150	302
-1.1	30	86.0	20.6	69	156.2	71	160	320
-0.6	31	87.7	21.1	70	158.0	77	170	338
0	32	89.6	21.7	71	159.8	82	180	356



# HOSE CONSTRUCTIONS

Below are various hose constructions used in the Jason Industrial hose line. The applicable hose series for each construction is listed below each cutaway in numerical order.

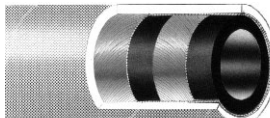
## 1-BRAID



- 4103** - Red PVC Air Hose
- 4105** - Yellow/TPR Air Hose
- 4805** - Wire Reinforced Hose (steel wire)

- 4815** - EPDM Steam Hose (steel braid)
- 4818** - Bromobutyl Steam Hose (steel braid)
- 8312** - Fuel Line Hose

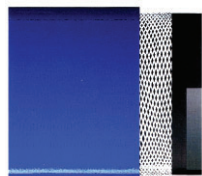
## 2-SPIRAL



- 4137** - EPDM Rubber Air Hose - Black
- 4138** - EPDM Rubber Air Hose - Red

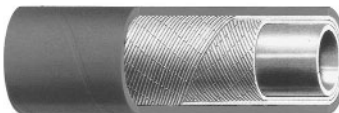
- 4142** - Pneumatic Deadman Twinline
- 4182** - MSHA Mine Spray (steel wire)
- 4302** - Textile Reinforced Air Hose

## WATER LAYFLAT



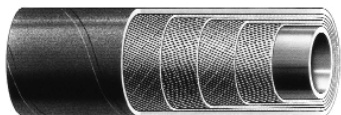
- 4502** - Blue PVC Water Discharge Hose
- 4520** - Yellow PVC Water Discharge Hose
- 4703** - DJ Mill Discharge Hose
- 4705** - Municipal Grade SJ Mill Discharge Hose

## 2-PLY RUBBER



- 4310** - Guniting Hose
- 4312** - 2-Ply Sandblast Hose
- 4313** - Lightweight Sandblast Hose
- 4323** - 3/16" Tube Dry Cement Powder Discharge
- 4324** - 1/4" Tube Dry Cement Powder Discharge
- 4352** - Rubber 2-Ply Water Discharge
- 4360** - Papermill Washdown
- 4380** - Non-Conductive Furnace Door Coolant Hose

## 4-PLY RUBBER



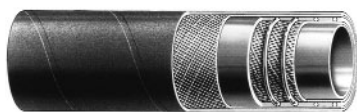
- 4314** - 4-Ply Sandblast Hose
- 4354** - Rubber 4-Ply Sandblast Hose
- 4427** - Concrete Placement Hose

## PVC HOSE W/ PVC HELIX



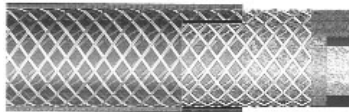
- 4601** - Green PVC Water Suction Hose
- 4615** - Clear/White PVC Water Suction Hose

## 2-PLY W/ WIRE HELIX



- 4415** - Oil Return Hose SAE 100R4
- 4417** - Low Temp Tank Truck Hose - Channeled (double helix)
- 4419** - Crude Oil Waste Pit Suction Hose
- 4421** - Tank Truck Hose - Red Corrugated
- 4425** - Hot Air Blower
- 4430** - Cross-Linked Polyethylene Suction Hose
- 4433** - UHMWPE Chemical Suction Hose
- 4450** - Rubber Water Suction Hose (1-1/4" - 6" ID)
- 4460** - Bulk Food Suction
- 4465** - Liquid Food Suction
- 4470** - Bulk Material Suction Hose

## PVC HOSE W/ 1-BRAID



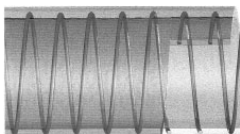
- 4511** - Braided PVC/FDA Hose

## RUBBER HOSE W/ POLYPROPYLENE HELIX



- 4654** - Septic & Agricultural EPDM Suction Hose

## CLEAR PVC W/ GALVANIZED SPRING



- 4600** - Spring Wire PVC/FDA Hose

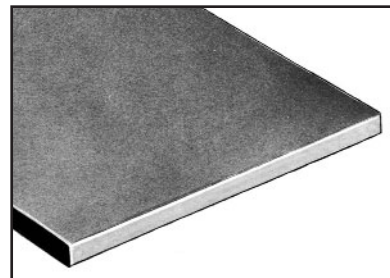


# SKIRTBOARD RUBBER

6341

SKIRTBOARD RUBBER

- Abrasion and Weather Resistant
- 55-60 Durometer
- 1,000 PSI Tensile Strength, 300% Elongation
- Cut Widths (Not Extruded)
- Use with conveyor belt or as chute lining



PART NUMBER	GAUGE (in.) (mm.)		WIDTH (in.) (mm.)		ROLL LENGTH (ft.) (M)		WEIGHT 50 FT. ROLL (lbs.)	STOCK ITEM
6341-0803	1/4"	6.35	3	76.20	50	15.24	19	✓
6341-0804	1/4"	6.35	4	101.60	50	15.24	25	✓
6341-0805	1/4"	6.35	5	127.00	50	15.24	32	✓
6341-0806	1/4"	6.35	6	152.40	50	15.24	36	✓
6341-0807	1/4"	6.35	7	177.80	50	15.24	45	✓
6341-0808	1/4"	6.35	8	203.20	50	15.24	48	✓
6341-0810	1/4"	6.35	10	254.00	50	15.24	64	✓
6341-0812	1/4"	6.35	12	304.80	50	15.24	85	✓
6341-1203	3/8"	9.53	3	76.20	50	15.24	35	✓
6341-1204	3/8"	9.53	4	101.60	50	15.24	46	✓
6341-1205	3/8"	9.53	5	127.00	50	15.24	58	✓
6341-1206	3/8"	9.53	6	152.40	50	15.24	73	✓
6341-1207	3/8"	9.53	7	177.80	50	15.24	81	✓
6341-1208	3/8"	9.53	8	203.20	50	15.24	82	✓
6341-1210	3/8"	9.53	10	254.00	50	15.24	115	✓
6341-1212	3/8"	9.53	12	304.80	50	15.24	136	✓
6341-1603	1/2"	12.70	3	76.20	50	15.24	45	✓
6341-1604	1/2"	12.70	4	101.60	50	15.24	60	✓
6341-1605	1/2"	12.70	5	127.00	50	15.24	75	✓
6341-1606	1/2"	12.70	6	152.40	50	15.24	97	✓
6341-1607	1/2"	12.70	7	177.80	50	15.24	105	✓
6341-1608	1/2"	12.70	8	203.20	50	15.24	109	✓
6341-1610	1/2"	12.70	10	254.00	50	15.24	150	✓
6341-1612	1/2"	12.70	12	304.80	50	15.24	158	✓
6341-2403	3/4"	19.05	3	76.20	50	15.24	93	✓
6341-2404	3/4"	19.05	4	101.60	50	15.24	124	✓
6341-2405	3/4"	19.05	5	127.00	50	15.24	155	✓
6341-2406	3/4"	19.05	6	152.40	50	15.24	186	✓
6341-2407	3/4"	19.05	7	177.80	50	15.24	217	✓
6341-2408	3/4"	19.05	8	203.20	50	15.24	248	✓
6341-2410	3/4"	19.05	10	254.00	50	15.24	272	✓
6341-2412	3/4"	19.05	12	304.80	50	15.24	372	✓
6341-3203	1"	25.40	3	76.20	50	15.24	110	✓
6341-3204	1"	25.40	4	101.60	50	15.24	146	✓
6341-3205	1"	25.40	5	127.00	50	15.24	183	✓
6341-3206	1"	25.40	6	152.40	50	15.24	219	✓
6341-3207	1"	25.40	7	177.80	50	15.24	256	✓
6341-3208	1"	25.40	8	203.20	50	15.24	292	✓
6341-3210	1"	25.40	10	254.00	50	15.24	365	✓
6341-3212	1"	25.40	12	304.80	50	15.24	438	✓
6341-0848	1/4"	6.35	48	1219.20	50	15.24	388	✓
6341-1248	3/8"	9.53	48	1219.20	50	15.24	580	✓
6341-1648	1/2"	12.70	48	1219.20	50	15.24	760	✓
6341-2448	3/4"	19.05	48	1219.20	50	15.24	1100	✓
6341-3248	1"	25.40	48	1219.20	50	15.24	1524	✓

All sizes may not be stocked in all locations. Check with customer service for availability.



# CAM AND GROOVE COUPLINGS

Separate parts provide unique, quick coupling hose connections for liquids or solids. All parts are manufactured to meet or exceed MIL Spec C27487 and dimensionally conform to MIL Spec A-A-59326A. They will interchange with couplings manufactured to the same standards (excluding 1/2" and 8"). Female couplers are supplied with safety pins. Cam arms on aluminum couplings and brass couplings are brass, stainless steel arms provided on stainless steel couplings, polypropylene and nylon.

## Working Pressures (maximum PSI) for Cam and Groove Couplers and Adapters

Metal coupling pressures are based on ambient temperature (+70°F or +21°C) with standard NBR gasket.  
Plastic coupling pressures are based on ambient temperature (+70°F or +21°C) with standard NBR gasket.

Size	Aluminum	Stainless Steel	Brass	Polypropylene
1/2		150		125
3/4	250	250	250	125
1	250	250	250	125
1-1/4	250	250	250	100
1-1/2	250	250	250	100
2	250	250	250	100
2-1/2	150	150	150	
3	125	125	125	75
4	100	100	100	60
5	75	75	75	
6	75	75	75	
8	50	50	50	

## PART A MALE ADAPTER x FEMALE THREAD

Male end fits Coupler or Dust Cap. Female end thread is NPT.



Size	Aluminum	PART NUMBER		Brass	Black SCH.80 Polypropylene
		304 Stainless	316 Stainless		
1/2		A050S	A050SS		A050P
3/4	A075A	A075S	A075SS	A075B	A075P
1	A100A	A100S	A100SS	A100B	A100P
1-1/4	A125A	A125S	A125SS	A125B	A125P
1-1/2	A150A	A150S	A150SS	A150B	A150P
2	A200A	A200S	A200SS	A200B	A200P
2-1/2	A250A	A250S	A250SS	A250B	
3	A300A	A300S	A300SS	A300B	A300P
4	A400A	A400S	A400SS	A400B	A400P
5	A500A				
6	A600A	A600S	A600SS	A600B	
8	A800A				

## PART B FEMALE COUPLER x MALE THREAD

Female end fits male adapter or Dust Plug. Male end thread is NPT. Bowl has recess for washer replacement.



Size	Aluminum	PART NUMBER		Brass	Black SCH.80 Polypropylene
		304 Stainless	316 Stainless		
1/2		B050S	B050SS		B050P
3/4	B075A	B075S	B075SS	B075B	B075P
1	B100A	B100S	B100SS	B100B	B100P
1-1/4	B125A	B125S	B125SS	B125B	B125P
1-1/2	B150A	B150S	B150SS	B150B	B150P
2	B200A	B200S	B200SS	B200B	B200P
2-1/2	B250A	B250S	B250SS	B250B	
3	B300A	B300S	B300SS	B300B	B300P
4	B400A	B400S	B400SS	B400B	B400P
5	B500A				
6	B600A	B600S	B600SS	B600B	
8	B800A				

All sizes may not be stocked in all locations. Check with customer service for availability.



# CAM AND GROOVE COUPLINGS

## PART C

## FEMALE COUPLER x HOSE SHANK

Female end fits male adapter or Dust Plug. Shank fits into hose ID. Bowl has recess for washer replacement.



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
1/2		C050S	C050SS		C050P
3/4	C075A	C075S	C075SS	C075B	C075P
1	C100A	C100S	C100SS	C100B	C100P
1-1/4	C125A	C125S	C125SS	C125B	C125P
1-1/2	C150A	C150S	C150SS	C150B	C150P
2	C200A	C200S	C200SS	C200B	C200P
2-1/2	C250A	C250S	C250SS	C250B	
3	C300A	C300S	C300SS	C300B	C300P
4	C400A	C400S	C400SS	C400B	C400P
5	C500A				
6	C600A	C600S	C600SS	C600B	
8	C800A				

## PART D

## FEMALE COUPLER x FEMALE THREAD

Female end fits male adapter or Dust Plug. Female end thread is NPT. Bowl has recess for washer replacement.



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
1/2		D050S	D050SS		D050P
3/4	D075A	D075S	D075SS	D075B	D075P
1	D100A	D100S	D100SS	D100B	D100P
1-1/4	D125A	D125S	D125SS	D125B	D125P
1-1/2	D150A	D150S	D150SS	D150B	D150P
2	D200A	D200S	D200SS	D200B	D200P
2-1/2	D250A	D250S	D250SS	D250B	
3	D300A	D300S	D300SS	D300B	D300P
4	D400A	D400S	D400SS	D400B	D400P
5	D500A				
6	D600A	D600S	D600SS	D600B	
8	D800A				

## PART E

## MALE ADAPTER x HOSE SHANK

Male end fits female coupler or Dust Cap. Shank fits into hose ID.



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
1/2		E050S	E050SS		E050P
3/4	E075A	E075S	E075SS	E075B	E075P
1	E100A	E100S	E100SS	E100B	E100P
1-1/4	E125A	E125S	E125SS	E125B	E125P
1-1/2	E150A	E150S	E150SS	E150B	E150P
2	E200A	E200S	E200SS	E200B	E200P
2-1/2	E250A	E250S	E250SS	E250B	
3	E300A	E300S	E300SS	E300B	E300P
4	E400A	E400S	E400SS	E400B	E400P
5	E500A				
6	E600A	E600S	E600SS	E600B	
8	E800A				

All sizes may not be stocked in all locations. Check with customer service for availability.



# CAM AND GROOVE COUPLINGS

## PART F MALE ADAPTER x MALE THREAD

Male end fits female coupler or Dust Cap. Male end thread is NPT.



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
1/2		F050S	F050SS		F050P
3/4	F075A	F075S	F075SS	F075B	F075P
1	F100A	F100S	F100SS	F100B	F100P
1-1/4	F125A	F125S	F125SS	F125B	F125P
1-1/2	F150A	F150S	F150SS	F150B	F150P
2	F200A	F200S	F200SS	F200B	F200P
2-1/2	F250A	F250S	F250SS	F250B	
3	F300A	F300S	F300SS	F300B	F300P
4	F400A	F400S	F400SS	F400B	F400P
5	F500A				
6	F600A	F600S	F600SS	F600B	
8	F800A				

## PART DC DUST CAP

Fits male adapters.



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
1/2		DC050S	DC050SS		DC050P
3/4	DC075A	DC075S	DC075SS	DC075B	DC075P
1	DC100A	DC100S	DC100SS	DC100B	DC100P
1-1/4	DC125A	DC125S	DC125SS	DC125B	DC125P
1-1/2	DC150A	DC150S	DC150SS	DC150B	DC150P
2	DC200A	DC200S	DC200SS	DC200B	DC200P
2-1/2	DC250A	DC250S	DC250SS	DC250B	
3	DC300A	DC300S	DC300SS	DC300B	DC300P
4	DC400A	DC400S	DC400SS	DC400B	DC400P
5	DC500A				
6	DC600A	DC600S	DC600SS	DC600B	
8	DC800A				

## PART DP DUST PLUG

Fits female coupler.



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
1/2		DP050S	DP050SS		DP050P
3/4	DP075A	DP075S	DP075SS	DP075B	DP075P
1	DP100A	DP100S	DP100SS	DP100B	DP100P
1-1/4	DP125A	DP125S	DP125SS	DP125B	DP125P
1-1/2	DP150A	DP150S	DP150SS	DP150B	DP150P
2	DP200A	DP200S	DP200SS	DP200B	DP200P
2-1/2	DP250A	DP250S	DP250SS	DP250B	
3	DP300A	DP300S	DP300SS	DP300B	DP300P
4	DP400A	DP400S	DP400SS	DP400B	DP400P
5	DP500A				
6	DP600A	DP600S	DP600SS	DP600B	
8	DP800A				

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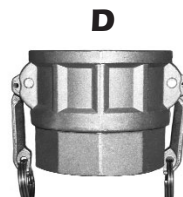
# CAM AND GROOVE COUPLINGS

## REDUCING CAM AND GROOVE COUPLINGS AND ADAPTERS



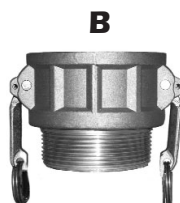
Adapter x Female NPT

Size	Aluminum	Stainless
2 x 1-1/2	A2015A	
2 x 3	A2030A	
3 x 2	A3020A	
3 x 4		
4 x 3	A4030A	
4 x 6		



Coupler x Female NPT

Size	Aluminum	Stainless
1-1/2 x 1	D1510A	
2 x 1-1/2	D2015A	
3 x 2	D3020A	
4 x 3	D4030A	



Coupler x Male NPT

Size	Aluminum	Stainless
1-1/2 x 1	B1510A	
2 x 1-1/2	B2015A	
3 x 2	B3020A	
3 x 4		
4 x 3	B4030A	



Adapter x Hose Shank

Size	Aluminum	Stainless
2 x 1-1/2	E2015A	
2 x 2-1/2	E2025A	
2 x 3	E2030A	
3 x 2	E3020A	
3 x 2-1/2	E3025A	
3 x 4		
4 x 2	E4020A	



Coupler x Hose Shank

Size	Aluminum	Stainless
2 x 1-1/2	C2015A	
3 x 2	C3020A	
3 x 4	C3040A	



Adapter x Male NPT

Size	Aluminum	Stainless
1-1/2 x 2	F1520A	
2 x 1-1/2	F2015A	
2 x 3	F2030A	
3 x 2	F3020A	
3 x 4		
4 x 3	F4030A	



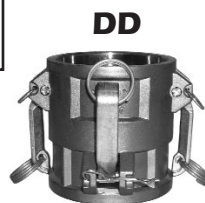
Adapter x Adapter

Size	Aluminum	Stainless
1 x 1		AA1010S
1-1/4 x 1-1/4		AA1212S
1-1/2 x 1-1/2	AA1515A	AA1515S
1-1/2 x 2		AA1520S
2 x 2	AA2020A	AA2020S
2 x 2-1/2	AA2025A	AA2025S
2 x 3	AA2030A	AA2030S
2 x 4		
2-1/2 x 2-1/2	AA2525A	AA2525S
3 x 3	AA3030A	AA3030S
3 x 4	AA3040A	AA3040S
4 x 4	AA4040A	AA4040S
4 x 6		AA4060S



Coupler x Adapter

Size	Aluminum	Stainless
2 x 1-1/2	DA2015A	
2 x 3	DA2030A	DA2030S
3 x 1-1/2		
3 x 2	DA3020A	DA3020S
3 x 4	DA3040A	
4 x 2	DA4020A	
4 x 3	DA4030A	DA4030S
4 x 6	DA4060A	
6 x 4	DA6040A	DA6040S



Coupler x Coupler

Size	Aluminum	Stainless
1-1/2 x 1-1/2	DD1515A	DD1515S
2 x 2	DD2020A	DD2020S
2 x 3	DD2030A	
3 x 3	DD3030A	DD3030S
3 x 4	DD3040A	

All sizes may not be stocked in all locations. Check with customer service for availability.



# CAM AND GROOVE COUPLINGS

## PART DCL

## DUST CAP WITH LOCK OUT HANDLES

Handles fold over top of cap. Hole provided for padlock or seal. Padlock or seal not furnished.



Size	PART NUMBER	
	Aluminum with SS Handles	Stainless Steel with SS Handles
1-1/4	DCL125A	DCL125S
1-1/2	DCL150A	DCL150S
2	DCL200A	DCL200S
2-1/2	DCL250A	DCL250S
3	DCL300A	DCL300S
4	DCL400A	DCL400S
5	DCL500A	
6	DCL600A	DCL600S

## REPLACEMENT GASKETS FOR CAM AND GROOVE COUPLINGS

SIZE	BLACK NBR	YELLOW STRIPE BLACK EPDM	GASKET DIMENSIONS		
			O.D. (in.)	I.D. (in.)	THICKNESS (in.)
1/2	S050N		1-1/32	11/16	0.156
3/4	S075N	S073E	1-3/8	7/8	0.218
1	S100N	S100E	1-9/16	1-1/16	0.250
1-1/4	S125N		1-15/16	1-23/64	0.250
1-1/2	S150N	S150E	2-3/16	1-5/8	0.250
2	S200N	S200E	2-5/8	2	0.250
2-1/2	S250N		3-1/8	2-3/8	0.250
3	S300N	S300E	3-23/32	3	0.250
4	S400N	S400E	4-7/8	4	0.250
5	S500N		5-15/16	4-7/8	0.250
6	S600N		7-1/16	6	0.250
8	S800N		9-5/16	8-1/8	0.343

## REPLACEMENT HANDLES FOR CAM AND GROOVE COUPLINGS

	1	1-1/4	1-1/2	2	2-1/2	3
<b>BRASS</b>	HRP10B	HRP12B	HRP15B	HRP20B	HRP25B	HRP30B
<b>STAINLESS STEEL</b>	HRP10S	HRP12S	HRP15S	HRP20S	HRP25S	HRP30S
<b>LOCK OUT STAINLESS</b>			LHP150S	LHP200S	LHP250S	LHP300S
	4	5	6	8		
<b>BRASS</b>	HRP40B	HRP50B	HRP60B	HRP80B		
<b>STAINLESS STEEL</b>	HRP40S		HRP60S			
<b>LOCK OUT STAINLESS</b>	LHP400S		LHP600S			

## ACCESSORIES FOR CAM AND GROOVE COUPLINGS

	Part No.		Part No.	
<b>SAFETY PIN</b>	FITS SIZES 1/2" THRU 5"		<b>SPWS</b>	FITS SIZES 6" AND 8"
<b>SECURITY CHAIN, STAINLESS STEEL; 12"</b>			<b>CH12S</b>	<b>SPXS</b>

All sizes may not be stocked in all locations. Check with customer service for availability.



# PIN LUG COUPLINGS

Threaded couplings for suction or discharge of water or other fluids. Standard threading is NPSM; National Pipe Straight Hose. 1-1/2" and 2-1/2" are available with additional NST thread; American National Fire Hose Straight Thread. (NST does not interchange). Pin lugs are on all sizes of female end. 2-1/2" through 6" have pin lugs on male end.

## SET (M x F) PIN LUG SHANK COUPLINGS



Size	Thread	Aluminum W Brass Swivel	Brass W Brass Swivel
1-1/2	NPSM	AB150	BR150
1-1/2	NST	AB150NST	BR150NST
2	NPSM	AB200	BR200
2-1/2	NPSM	AB250	BR250
2-1/2	NST	AB250NST	BR250NST
3	NPSM	AB300	BR300
4	NPSM	AB400	BR400
6	NPSM	AB600	BR600

Iron Pin Lug Couplings available by special order.

## FEMALE PIN LUG SHANK COUPLINGS



Size	Thread	Aluminum W Brass Swivel	Brass W Brass Swivel
1-1/2	NPSM	AB150F	BR150F
1-1/2	NST	AB150NSTF	BR150NSTF
2	NPSM	AB200F	BR200F
2-1/2	NPSM	AB250F	BR250F
2-1/2	NST	AB250NSTF	BR250NSTF
3	NPSM	AB300F	BR300F
4	NPSM	AB400F	BR400F
6	NPSM	AB600F	BR600F

## REPLACEMENT WASHERS FOR PIN LUG SHANK COUPLINGS

COUPLING SIZE	1-1/2	1-1/2 NST	2	2-1/2	2-1/2 NST	3	4	6
PART NO	HW150	HW150NST	HW200	HW250	HW250NST	HW300	HW400	HW600

All sizes may not be stocked in all locations. Check with customer service for availability.



# UNIVERSAL AIR COUPLINGS

## UNIVERSAL AIR COUPLINGS - 2 LUG

Used to connect air lines from compressors or other air source to all types of pneumatic tools and equipment. All 2 lug head connections are of one size for easy interchange. Hose shank or threaded end is coupling size. Male and Female threads are NPT. Malleable iron plated. (European style universals available special order.)

### Application of Universal Crowfoot Air Hose Couplings

Universal crowfoot couplings are recommended to be used in the transfer of air and or water. The application should be in an open system where the air or water is in motion (dynamic) and not in a closed pressurized (static) condition. This dynamic application involves continuous flow, therefore, back pressure would be relieved by the very nature of the application. The applicable system should contain pressure relief valves to relieve any excess pressure. Safety clips and safety cables should be installed on either side of the coupling connection.

The rated, maximum working pressure of Universal Crowfoot Air Hose Couplings is 150 psi (at ambient temperature [70°F]) for all parts: HE, ME, FE.

**Universal Air Hose Couplings should NEVER be used for steam service.**



**HOSE END**

Hose End Size	Iron Part No
3/8	HE038
1/2	HE050
3/4	HE075
1	HE100



**MALE END**

Hose End Size	Iron Part No
1/4	ME025
3/8	ME038
1/2	ME050
3/4	ME075
1	ME100



**FEMALE END**

Hose End Size	Iron Part No
1/4	FE025
3/8	FE038
1/2	FE050
3/4	FE075
1	FE100

**Washer** for 2 Lug Universal

**Part No. UG2**

## WHIPCHECK SAFETY CABLES

Prevent hose whip in case of accidental separation of coupling or clamp device.



**HOSE TO HOSE CABLE**

Cable	Hose I.D.	Part No
1/8" x 20"	1/2" to 1-1/4"	HHWC1
1/4" x 38"	1-1/2" to 3"	HHWC2



**HOSE TO TOOL CABLE**

Cable	Hose I.D.	Part No
1/8" x 20"	1/2" to 1-1/4"	HTWS1
1/4" x 38"	1-1/2" to 3"	HTWS2

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# UNIVERSAL COUPLINGS

## UNIVERSAL AIR COUPLINGS - 4 LUG



**HOSE END**

Hose End Size	Iron Part No
1-1/4	HE125
1-1/2	HE150
2	HE200

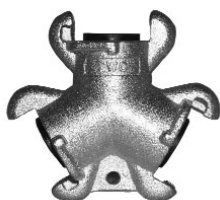
**Washer** for 4 Lug Universal **Part No. UG4**



**FEMALE END**

Hose End Size	Iron Part No
1-1/4	FE125
1-1/2	FE150
2	FE200

## UNIVERSAL AIR COUPLING ACCESSORIES



### 3 WAY CONNECTOR PART NO TWC

Uses 3 sets of 2 lug connectors to provide an extra outlet from one air source. Malleable Iron Plated.



### DEAD END PART NO BEC

Fits 2 lug head on universal couplings to block line. Hole in flat portion allows for securing dead end when not in use. Malleable Iron Plated.

### Safety Pin and Lanyard Part No. SPL

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# GROUND JOINT COUPLINGS

## GROUND JOINT COUPLINGS

An all purpose coupling, the female ground joint consists of a MALE STEM, WING NUT and FEMALE SPUD. The female spud has NPT threads to accept the NPT threads of a rigid connection or male NPT nipple. Widely used for air, water or steam, the ground joint is secured with an interlocking clamp.

By replacing the female spud of a ground joint coupling with a double or male spud, hose to hose ground joint connections or hose to rigid connections are simplified. Double spuds for hose to hose connections are threaded NPS MALE X NPS MALE. (GJ wing nut is also NPS). For hose to rigid connection, the male spud is threaded NPS MALE X NPT MALE.



**GROUND JOINT FEMALE**



**DOUBLE SPUD**



**MALE SPUD**

Hose Size*	Part No.
1/2	GJ050F
3/4	GJ075F
1	GJ100F
1-1/4	GJ125F
1-1/2	GJ150F
2	GJ200F
2-1/2	GJ250F
3	GJ300F
4	GJ400F

\*Size also represents Wing Nut and Spud thread size.

Spud Size	Double Spud Part No.	Male Spud Part No.
1/2	GDS050	GMS050
3/4	GDS075	GMS075
1	GDS100	GMS100
1-1/4	GDS125	GMS125
1-1/2	GDS150	GMS150
2	GDS200	GMS200

## ANTI-LEAK ALUMINUM C x E CAM LOCK COUPLINGS



This new cam-lock employs a patented design that relies on two bands of rubber that act as a type of gasket surrounding two specific grooves on the cam-lock shank. When the hose wall is compressed against the bands of rubber, a preventive barrier is formed reducing the chance for leaks around the couplings.

Size	Part No.
2" Part C	C200ALF
3" Part C	C300ALF
2" Part E	E200ALF
3" Part E	E300ALF

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# SANDBLAST COUPLINGS

## SANDBLAST HOSE COUPLINGS

There are three active sandblast system couplings; **HOSE ENDS** which are used to make hose to hose connections or hose to blast pot connections, **NOZZLE HOLDERS** that accept the male threaded end of a sandblast nozzle, and the **THREADED POT END** that is connected to the combination air and abrasive mix from the sandblast pot. All three are available in aluminum, brass, or new glass reinforced nylon.



**HOSE ENDS** are sleeve type couplings that fit over the OD of the sandblast hose. They are secured to the hose with wood screws. Countersunk holes on the hose end ensure that the screws fit correctly and will not be snagged while the hose is in operation. Within the ID of the hose end is a corkscrew ridge that helps to twist the coupling onto the hose and more importantly, helps to minimize the force of blow-back. Hose-to-hose or hose-to-pot connections are made by the 2 lug crowfoot design. No matter what the hose size, the 2 log hose ends interchange for common connections.



**NOZZLE HOLDERS** are sleeve type couplings, secured to the hose with wood screws and have the same features as the sandblast hose end. The exception is that the end of the nozzle holder is NPT threaded to accept the sandblasting nozzle.



**THREADED POT ENDS** do not fit the hose, but rather are threaded (NPT or NPS) onto the sandblast pot. Once properly threaded to the discharge pipe on the pot, the 2 lug crowfoot design can now be connected to the 2 lug crowfoot design of the hose end. Now the pot can supply mix to the operator by way of the hose to the sandblast nozzle.

Hose ID	Hose OD	Aluminum	Quick End Brass	Iron	Nozzle Holder Aluminum	Nozzle Holder Brass
3/4	1-1/2	Q1A	Q1B	Q1D	NH1A	NH1B
1	1-7/8	Q2A	Q2B	Q2D	NH2A	NH2B
1-1/4	2-5/32	Q3A	Q3B	Q3D	NH3A	NH3B
1-1/2	2-3/8	Q4A	Q4B	Q4D	NH4A	NH4B

Thread Size	Type	Threaded Pot End Aluminum	Threaded Pot End Brass
1-1/4	NPT	SB1A	SB1B
1-1/4	NPS	SB10A	SB10B
1-1/2	NPT	SB2A	SB2B
1-1/2	NPS	SB20A	SB20B

Replacement **GASKETS** for metal hose end/pot end. One size fits all. **Part No. QW**

**All sizes may not be stocked in all locations. Check with customer service for availability.**



## LOCKING LEVER PUMP COUPLINGS

- Full Vacuum Rated
- Type B Industrial
- Lock Pin Lever
- Galvanized
- 30° Articulation
- NBR O-Ring
- Interchangeable
- Quick and Easy Connections

### FULL ASSEMBLY\*



Size (in.)	Part Number
2	BGA200
3	BGA300
4	BGA400
6	BGA600
8	BGA800

\* includes O-Ring

### LEVER RING\*



Size (in.)	Part Number
2	BLR200
3	BLR300
4	BLR400
6	BLR600
8	BLR800

\* with safety clip

### MALE BALL x SHANK



Size (in.)	Part Number
2	BMS200
3	BMS300
4	BMS400
6	BMS600
8	BMS800

### FEMALE SOCKET\* x SHANK



Size (in.)	Part Number
2	BFS200
3	BFS300
4	BFS400
6	BFS600
8	BFS800

\* includes O-Ring

### MALE BALL x THREAD\*



Size (in.)	Part Number
2	BMT200
3	BMT300
4	BMT400
6	BMT600
8	BMT800

\* NPT

### FEMALE SOCKET\* x THREAD\*\*



Size (in.)	Part Number
2	BFT200
3	BFT300
4	BFT400
6	BFT600
8	BFT800

\* includes O-Ring \*\* NPT

### O-RING\*



Size (in.)	Part Number
2	BOR200
3	BOR300
4	BOR400
6	BOR600
8	BOR800

\* NBR



All sizes may not be stocked in all locations. Check with customer service for availability.



# CLAMPS

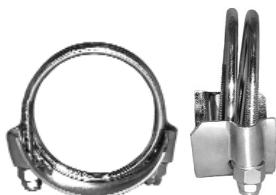
## DOUBLE BOLT HOSE CLAMPS



Reusable, these clamps provide an efficient means of securing couplings for low pressure discharge or suction service. Double bolt hose clamps are sized for hose OD's from 1-5/8" through 17-1/2". As the bolts are tightened, the double-tongue saddles fill the gap between the bolt lugs preventing pinching of the hose OD. Fully tightened, the double bolt clamps secure the full circumference of the hose. Plated malleable iron.

Hose OD Range			Hose OD Range		
From	To	Part No	From	To	Part No
1-5/8	1-15/16	DB049	7-11/16	8-3/16	DB818
1-7/8	2-3/8	DB060	8-1/4	8-7/8	DB875
2-3/8	3-7/16	DB076	8-15/16	9-7/8	DB988
3-1/2	3-11/16	DB094	9-15/16	11-3/8	DB1125
3-1/2	4	DB400	11-3/16	13	DB1275
4-1/16	4-7/16	DB463	12-3/16	14	DB1360
4-3/16	5	DB525	13-3/16	15	DB1450
5	5-1/2	DB550	15-1/16	17-1/2	DB1700
5-1/2	6-1/16	DB600			
6-1/8	6-7/8	DB675			
6-15/16	7-5/8	DB769			

## DOUBLE BOLT HOSE CLAMPS



Clamps (for corrugated hose) manufactured in either clockwise (right hand) or counter clockwise (left hand) design, the spiral double bolt clamp fits between the convolutions on corrugated hose. When fully tightened, the wire secures the full circumference of the outside hose wall - not the convolutions, for a safe, economical and efficient securing method. Consult hose manufacturer for correct convolution direction. Direction of clamp spiral and hose convolution are the same.

Jason PVC Corrugated Suction Hose is manufactured with counter-clockwise convolutions.

Hose ID	1	2	2-1/2	3	4
Part No*	SDB150	SDB200	SDB250	SDB300	SDB400
Hose ID	5	6	8	10	12
Part No*	SDB500	SDB600	SDB800	SDB1000	SDB1200

\* Specify clockwise -cw or counterclockwise- ccw



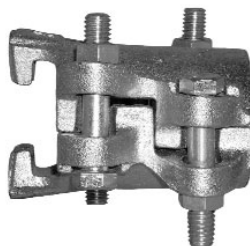
# CLAMPS

## 2, 4 AND 6 BOLT INTERLOCKING CLAMPS

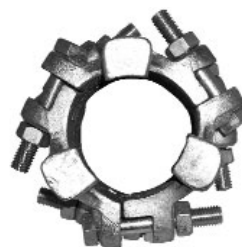
These clamps are used on any fitting with a collar to engage the forward gripping fingers of the interlocking clamp. However, they are most commonly used on ground joint females and male collared nipples. Smaller sizes provide a safe and economical securing method for universal hose ends. The forward gripping fingers engage the collar preventing the shank or stem from pulling out. Tightening the bolts secures the clamp around the O.D. of the hose.



**2 BOLT**



**4 BOLT**



**6 BOLT**

Hose ID	OD Range				Number Of Bolts	Part No	Ref No
	In	From Decimal	To In	Decimal			
3/8	11/16	0.69	3/4	0.75	2	2BS038	CD
1/2	15/16	0.94	1-1/16	1.06	2	2BC050	B4
1/2	1	1.00	1-1/8	1.13	2	2BS050	A4
1/2	1-1/16	1.06	1-3/16	1.19	2	2BC051	B5
3/4	1-1/8	1.13	1-5/16	1.31	2	2BS075	A9
3/4	1-3/16	1.19	1-5/16	1.31	2	2BC075	BU9
3/4	1-5/16	1.31	1-1/2	1.50	2	2BC076	B9
3/4	1-1/2	1.50	1-11/16	1.69	2	2BC077	B10
1	1-17/32	1.53	1-23/32	1.72	4	4BC100	BU14
1	1-13/32	1.41	1-9/16	1.56	4	4BC100A	156
1	1-7/8	1.88	2-1/16	2.06	4	4BC102	B15
1-1/4	2-1/16	2.06	2-1/4	2.25	4	4BC125	B19
1-1/2	2-3/32	2.09	2-9/32	2.28	4	4BC150	BU24
1-1/2	2-1/4	2.25	2-7/16	2.44	4	4BC151	B24
2	2-1/2	2.50	2-25/32	2.78	4	4BC200	BU29
2	3-3/32	3.09	3-7/16	3.44	4	4BC202	B30
2-1/2	3-1/2	3.50	3-15/16	3.94	4	4BC250	B34
3	3-13/16	3.81	4-3/16	4.19	4	4BC300	B35
3	4-1/16	4.06	4-7/16	4.44	4	4BC301	B39
4	4-1/4	4.25	4-13/16	4.81	6	6BC400	BS39

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# NIPPLES

## COMBINATION HOSE NIPPLE



CN's are used in a variety of fluid applications. They are available in unplated steel, plated steel, polypropylene, nylon glass and stainless steel. End (male) threads are NPT (will mate with foot valves, strainers, cam and groove part A, D etc.) and are the same size as shank.

Hose ID	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
<b>Part No</b>							
<b>Unplated</b>	CN050	CN075	CN100	CN125	CN150	CN200	CN250
<b>Plated</b>	CN050P	CN075P	CN100P	CN125P	CN150P	CN200P	CN250P
<b>Stainless</b>	CN050S	CN075S	CN100S	CN125S	CN150S	CN200S	CN250S
<b>Polypropylene*</b>	CN050PP	CN075PP	CN100PP	CN125PP	CN150PP	CN200PP	CN250PP

Hose ID	3	4	5	6	8	10	12
<b>Part No</b>							
<b>Unplated</b>	CN300	CN400	CN500	CN600	CN800	CN1000	CN1200
<b>Plated</b>	CN300P	CN400P	CN500P	CN600P	CN800P	CN1000P	CN1200P
<b>Stainless</b>	CN300S	CN400S		CN600S			
<b>Polypropylene*</b>	CN300PP	CN400PP					

\* Black Schedule 80

All sizes may not be stocked in all locations. Check with customer service for availability.



# NIPPLES

## HEX AIR HOSE NIPPLES

For air or many other applications, MS nipples are economical and reusable. The MS nipple accepts bands or clamps. However, each MS is especially designed with a collar behind the hex to engage the gripping fingers of an interlocking clamp. MS threads are NPT. Steel Plated. Use also as companion end of female ground joint.



**MS NIPPLE**

Hose Size	Thread Size	Part No.
1/4	1/4	MS4-4
1/4	3/8	MS4-6
3/8	1/4	MS6-4
3/8	3/8	MS6-6
3/8	1/2	MS6-8
1/2	1/4	MS8-4
1/2	1/2	MS8-8
1/2	3/4	MS8-12
3/4	3/4	MS12-12
1	1	MS16-16
1-1/4	1-1/4	MS20-20
1-1/2	1-1/2	MS24-24
2	2	MS32-32
2-1/2	2-1/2	MS40-40
3	3	MS48-48
4	4	MS64-64

## DOUBLE MALE HEX NIPPLES



Made of heavy duty cast brass to change existing size and or thread.

Male Size	Male End Thread	Male Size	Male End Thread	Part No
1-1/2	NST	1-1/2	NPSM	DMN1615B
1-1/2	NST	1-1/2	NPT	DMN1617B
2-1/2	NST	1-1/2	NST	DMN2616B
2-1/2	NST	2	NPSM	DMN2620B
2-1/2	NST	2	NPT	DMN2622B
2-1/2	NST	2-1/2	NPT	DMN2625B

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# ACCESSORIES

## TUBE MENDER



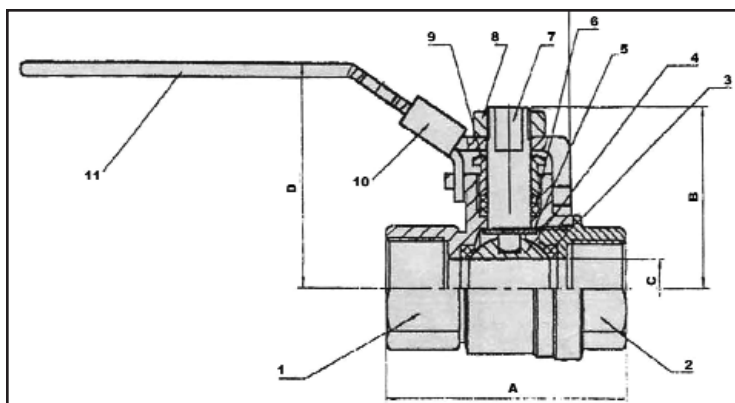
Type SM hose menders repair hose up to and including ID's of 12". After cutting out the damaged hose portion, insert each end of the mender (shanks) into the remaining good ends of the hose. Secure the SM type mender with bands or DB double bolt clamps. Each end will accommodate two or more bands or two clamps for an economical and efficient return to service. Plated Steel.

<b>HOSE ID</b>	1/2	3/4	1	1-1/4	1-1/2	2
<b>PART NO</b>	SM050	SM075	SM100	SM125	SM150	SM200

<b>HOSE ID</b>	2-1/2	3	4	6	8	10	12
<b>PART NO</b>	SM250	SM300	SM400	SM600	SM800	SM1000	SM1200

## BRASS BALL VALVES WITH LOCKING HANDLES



Part Number      Size      A mm      B mm      C mm      D mm      Thread							Ball Valve Schematic		
BV038BFLH	3/8	9.9	21.75	43.5	47.0	3/8 NPT	1	Valve Body	Brass
BV050BFLH	1/2	14.0	26.50	53.0	52.0	1/2 NPT	2	Valve Cap	Brass
BV075BFLH	3/4	19.0	30.00	60.0	52.0	3/4 NPT	3	O-Ring	PTFE
BV100BFLH	1	24.0	36.50	73.0	58.0	1 NPT	4	Ball	Brass, chrome-plated
BV125BFLH	1-1/4	31.0	43.25	86.5	76.0	1-1/4 NPT	5	StemSpacer/ Gasket	PTFE
BV150BFLH	1-1/2	38.0	50.75	101.5	80.0	1-1/2 NPT	6	O-Ring	PTFE
BV200BFLH	2	49.0	54.00	108.0	90.0	2 NPT	7	Stem	Brass
BV250BFLH	2-1/2	64.0	70.00	140.0	122.5	2-1/2 NPT	8	Nut	Brass
BV300BFLH	3	79.0	81.00	162.0	133.0	3 NPT	9	Cap	Brass
BV400BFLH	4	99.0	94.50	189.0	156.0	4 NPT	10	Slide	304SS
							11	Handle	Carbon Steel

- Sizes to 2" rated 600 WOG,
- 2-1/2", 3" and 4" rated 400 WOG

- Brass ball is chromium plated.
- Ball seat is Teflon\*

\*DuPont Registered Trademark

**Hole size for lock placement is 5/16 inch (8.0mm) for all sizes of valves.**

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# ACCESSORIES

## HOSE BEND RESTRICTOR



TAPERED DESIGN restricts bending where coupling is secured to hose. LONGER LENGTH covers more surface area to reduce stress. SMOOTH FINISH will not scratch equipment and gives better look to hose assembly. FRICTION FIT requires no adhesives or clamps to secure. Temperature range from - 40°F to 212°F ; ideal for pressure washer service.

Part No.	ID in.	Length in.
HP7260	0.725	6.00

## SPLIT FACE FLANGE ALUMINUM



Use with Material Handling hose modular systems. Inner corrugations fit snug over corrugated hose cover. Bolt hole drilling ASA 150.

Assemble without special tools; coupling is reusable. Requires gasket to properly seal flange-to-flange.

Hose ID		Part No.	SPLIT FLANGES JOINED		No. of Bolt Holes*	No. Side Bolts	Flange Bolt Hole I.D.	Weight Lbs. 2 Split Flange & Side Bolts
in.	mm		ID in.	mm				
4"	102	SFF0400A	4.96	126.0	6	1 x 2	0.75"	6.30
6"	153	SFF0600A	7.13	181.0	6	2 x 2	0.88"	9.90
8"	203	SFF0800A	9.06	230.0	6	2 x 2	0.88"	15.30
10"	254	SFF1000A	10.79	274.0	6	2 x 2	1.00"	25.30

\* ASA 150 standards has two more bolt holes at the point where the two side bolts join the split flanges.

## FOOT VALVES FOR WATER SUCTION HOSE



Foot valves are used on the submersed end of the water suction hose to prevent the pump from losing it's prime when shut down. The foot valve stops the water from draining by a closing leather flapper gate. Each valve has a built in strainer that prevents debris from entering during operation. All sizes have NPS threads and complete valves are painted red.

Size	Part No.
1-1/2	FV150
2	FV200
2-1/2	FV250
3	FV300

Size	Part No.
4	FV400
6	FV600
8	FV800

All sizes may not be stocked in all locations. Check with customer service for availability.



# ACCESSORIES

## STRAINERS FOR WATER SUCTION HOSE

Used on the submersed end of suction hose to prevent debris from entering the pump during operation. All threads are NPS (trash strainers are square hole).



**ROUND HOLE**



**SQUARE HOLE**



**TUBE**



**TOP HOLE**



**BOTTOM HOLE**



**POLYPROPYLENE**

Size	Round Hole Part No	Square Hole Part No	Tube Part No	Top Hole Part No	Bottom Hole Part No	Polypropylene Part No
1-1/2	RHS150	SHS150	TRHS150	THS150	BHS150	PS150
2	RHS200	SHS200	TRHS200	THS200	BHS200	PS200
2-1/2	RHS250	SHS250				
3	RHS300	SHS300	TRHS300	THS300	BHS300	
4	RHS400	SHS400				
6	RHS600	SHS600				
8	RHS800					

## HYDRANT ADAPTER BRASS



For industrial utility and fire department applications, these adapters allow easy connections from hydrant to smaller size hose. Made of heavy duty cast brass with satin finish, all female ends are supplied with pin lug wrenching. All threads are V cut.

Female Size	Female Thread	Male Size	Male End Thread	Part No
1-1/2	NPT	1-1/2	NST	HAB1516
1-1/2	NST	1-1/2	NPT	HAB1615
2	NPT	1-1/2	NST	HAB2016
2-1/2	NST	3/4	GHT	HAB075
2-1/2	NST	3/4	NPSM	HAB076
2-1/2	NST	1	NPSM	HAB100
2-1/2	NST	1-1/2	NPSM	HAB150
2-1/2	NST	1-1/2	NPT	HAB150NPT
2-1/2	NST	1-1/2	NST	HAB150NST
2-1/2	NST	2	NPSM	HAB200
2-1/2	NST	2	NPT	HAB200NPT
2-1/2	NST	2-1/2	NPT	HAB250NPT

Other thread combinations and particular city/municipal hydrant threads are available in brass with minimal factory order  
**Replacement Gasket HAG250**

**All sizes may not be stocked in all locations. Check with customer service for availability.**



# ACCESSORIES

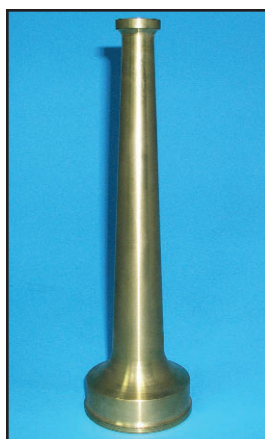
## HYDRANT CAP



Heavy duty cast brass with chain.

Female End	Part Number
1-1/2 NST	CAP150BNST
2-1/2 NST	CAP250BNST

## STRAIGHT STREAM BRASS NOZZLES



Made from cast brass with satin finish. Orifice tip sizes are standard. Special tip sizes and nozzle lengths are available in brass or aluminum with minimal factory order.

Size	Length	Size	Length
3/4	6"	1-1/2	10"
1	8"	2	12"
1-1/4	9"		

Thread Size	Type	Tip Size	Part No	Thread Size	Type	Tip Size	Part No
3/4	GHT	1/4	BN075	1-1/2	NST	1/2	BN150NST
3/4	NPSH	1/4	BN076	2	NPSH	9/16	BN200
1	NPSH	5/16	BN100	2-1/2	NPSH	3/4	BN250
1-1/4	NPSH	3/8	BN125	2-1/2	NST	3/4	BN251
1-1/2	NPSH	1/2	BN150				

## COMBINATION PLASTIC OR BRASS FOG NOZZLES



Plastic nozzles are made of high impact bright red plastic with corrosion resistant metal parts. Brass nozzles are high quality heavy brass. These nozzles allow for straight stream or fog spray pattern in industrial, utility or commercial use.

Thread Size	Type	Part No Plastic	Part No Brass
1-1/2	NPS	FN150	FN150B
1-1/2	NST	FN150NST	FN150BNST
2-1/2	NPS		FN250B
2-1/2	NST		FN250BNST

All sizes may not be stocked in all locations. Check with customer service for availability.



# ACCESSORIES

## WHITE RUBBER NOZZLE



Reusable with splash guard protector. Molded from white EPDM rubber for temperatures to 200 F 3/4 SHANK SIZE  
**PART NO.** SOARC-075

## SPANNER WRENCH FOR PIN LUG COUPLINGS



Made from ductile iron with easy grip handle, contour head to fit the coupling curve and special round hole to engage the pinlug.

Size	1-1/2	2	2-1/2	2 x 2-1/2	3	4
Part No	SW150	SW200	SW250	SW2025	SW300	SW400

## UNIVERSAL SPANNER WRENCH



Ductile iron painted red. Complete with pry bar end and gas cock shut off/on feature. Other end used as pinlug or rocker lug wrenching.

**PART NO.** US-1

## ADJUSTABLE HYDRANT WRENCHES



A complete tool for the fire hydrant operation. The pentagonal nut head is adjustable to fit hydrant valves to 1-3/4" for on/off operation. The head also operates pin lug or rocker lug connections from 1-1/2" to 6"

**PART NO.** HYD-1



Lighter in weight than the HYD-1 with the same adjustable features. Fits 1-3/4" pentagonal nuts. The head will operate hydrant cap and adapter pin or rocker lugs. Handle is plated.

**PART NO.** HYD-3

All sizes may not be stocked in all locations. Check with customer service for availability.



## **NON CATALOGED HOSE REQUEST**

While Jason catalogs many useful hose products for a multitude of applications, there is always the possibility that we may not catalog a hose item you need. By filling out this form, we will give our factories and Jason the opportunity to quote your request.

<hr/> Company Name	<hr/> Contact
<hr/> Address	<hr/> Phone
<hr/> City	<hr/> E-Mail
<hr/> Salesman	<hr/> Fax

Is there a hose we can cross over?

<hr/> Manufacturer	<hr/> Part Number
--------------------	-------------------

Please fill in the blanks:

<hr/> ID	<hr/> OD	<hr/> WP PSI	<hr/> Burst PSI	<hr/> Length
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Please answer the following questions:

Is this a suction hose or a discharge hose? \_\_\_\_\_

If a suction hose, what vacuum is required? \_\_\_\_\_

What is the maximum temperature of the material being conveyed?   F  

What is the application? Include any pertinent information such as abrasion, bend radius, external heat conditions and any oil/acid/chemical environment.

What end connections will be used and how will they be attached?

Are there special requirements such as color, static wire(s), approvals or branding/layline?





# **JASON INDUSTRIAL HOSE, COUPLINGS, ACCESSORIES & SKIRTBOARD**

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