

HOSE, COUPLINGS, ACCESSORIES & SKIRTBOARD



HOSE, COUPLINGS, ACCESSORIES & SKIRTBOARD

Jason Industrial[®] is a Megadyne Group company that manufactures and delivers a comprehensive inventory of rubber and polyurethane synchronous belts, rubber v-belts, industrial hose and couplings, plus hardware to the industrial community worldwide.

When extraordinary needs require specialized components, we will work with you from prototype to production, creating custom solutions that suit your unique application.

As a Jason customer, you can feel confident in the quality and integrity of our products, the speed and efficiency at which they are delivered, and the expertise and customer focus that our local representatives are committed to providing.

Jason's corporate headquarters are based in Fairfield, New Jersey. Our distribution center is located just outside of Chicago, Illinois, with additional corporate offices in Canada, Mexico and Brazil, as well as manufacturing, warehousing and distribution centers in cities across the globe.

Welcome to Jason...the first name in mechanical rubber and urethane products that power industry forward.

 **Jason
Industrial Inc.**[®]
A MEGADYNE GROUP CO.



TABLE OF CONTENTS

General Information/Technical Reference

	Page
Care, Maintenance & Storage of Hose	6
Commonly Used Rubber Compounds Chart	4
Chemical Resistance Tables	
PVC, TPR and TPE	93-104
Rubber Hose	82-92
Coupling Material	105-111
Decimal, Millimeter, Fraction Equivalents	112
Flexibility and Bend Radius	4
Regulatory Organizations List	4
ARPM Oil Resistance Data	4
Pressure Rating Conversion Chart	114
Temperature Conversion Chart	113
Terms & Conditions	115
Thread Chart	5
Vacuum Conversions	112
Working Pressures (max PSI) - Cam & Groove Couplers & Adapters	60
Hose Constructions	7

Hose by Product Series

	Series No.	Page
PVC Air - Coupled	4103	10
TPR Air - Red	4105	10
Pneumatic Deadman Twinline	4142	11
Reinforced Polyurethane Air Hose Assem.	4175	11
MSHA Mine Spray Hose	4182	44
Textile Reinforced Air 400 PSI	4302	14
Textile Reinforced Air 350 PSI	4305	14
Gunite Hose	4310	29
Sandblast 2-Ply	4312	29
Sandblast Lightweight	4313	30
Sandblast 4-Ply	4314	30
Dry Cement 1/8" Tube	4322	28
Dry Cement 3/16" Tube	4323	28
Dry Cement 1/4" Tube	4324	28
Fuel Discharge Hose - 300 PSI	4328	23
Frac Oil & Discharge Hose - 400 PSI	4348	24
Rubber 2-ply Discharge	4352	33
Rubber 4-ply Discharge	4354	33
Nitrile/PVC Ribbed Discharge Hose - Yellow	4358	38
Nitrile/PVC Ribbed Discharge Hose - Black	4359	38
Non-Conductive Furnace Door Coolant Hose	4380	34
Petroleum Suction Hose - 300 PSI	4414	22
Oil Return Hose (SAE 100R4)	4415	24
Low Temp Tank Truck Hose - Corrugated	4416	24
Crude Oil Waste Pit Suction Hose-Smooth	4418	25
Crude Oil Waste Pit Suction Hose-Corrugated	4419	25
Nitrile Petroleum Suction Hose	4420	21
Tank Truck Hose - Red Corrugated	4421	21
Bio-Diesel Suction & Discharge Hose	4423	23
Oilfield Fuel Transfer Hose - 400PSI WP	4424	22
Hot Air Blower Hose	4425	27
Plaster and Grout Hose	4428	28
Cross-Linked Polyethylene Suction	4430	16
UHMWPE Chemical Suction	4433	16
Frac Water Suction Hose	4449	32
Rubber Water Suction Hose	4450	32
Bulk Food Suction Hose - FDA	4460	18
Liquid Food Suction Hose	4465	18
NR (Natural Rubber) Bulk Material Suction	4470	27
PVC Discharge Hose & Assemblies - Blue	4502	35
PVC Discharge Hose & Assemblies - Wine Red	4504	36
PVC Clear Braided - FDA	4511	19
PVC Water Discharge Hose - Red	4515	37
PVC Spring Wire Hose - FDA	4600	19

Hose by Product Series

	Series No.	Page
PVC Suction Hose - Green	4601	39
PVC Suction Hose - Clear/White Helix	4615	39
Mill Discharge Hose & Assemblies - Double Jacket	4703	40
Municipal Grade Single Grade Jacket Mill Discharge Hose & Assemblies	4705	41
MSHA Fire Hose	4735	42
Wire Reinforced Air Hose	4805	12
Hi-Temp Air Hose Wire Reinforced	4807	13
EPDM Steam Hose	4815	46
Bromobutyl Steam Hose	4818	47
MAINSTREAM™ Pressure Washer Assemblies	5823	37

Hose by Market

Acid/Chemical Hose

	Series No.	Page
Cross-Linked Polyethylene Suction Hose	4430	16
UHMWPE Chemical Suction Hose	4433	16

Air Hose

PVC Air Hose & Coupled Assemblies	4103	10
TPR Air Hose - Red	4105	10
Pneumatic Deadman Twinline	4142	11
Reinforced Polyurethane Air Hose Assem.	4175	11
Textile Reinforced Air 400 PSI	4302	14
Textile Reinforced Air Hose	4305	14
Wire Reinforced Air Hose	4805	12
Hi-Temp Air Hose Wire Reinforced	4807	13

Food Hose

Bulk Food Suction Hose - FDA	4460	18
Liquid Food Suction Hose	4465	18
PVC Clear Braided Hose - FDA	4511	19
PVC Spring Wire Hose - FDA	4600	19

Material Handling Hose

Gunite Hose	4310	29
Sandblast 2-Ply	4312	29
Sandblast Lightweight	4313	30
Sandblast 4-Ply	4314	30
Dry Cement 1/8" Tube	4322	28
Dry Cement 3/16" Tube	4323	28
Dry Cement 1/4" Tube	4324	28
Hot Air Blower Hose	4425	27
Plaster and Grout Hose	4428	28
NR (Natural Rubber) Bulk Material Suction	4470	27

Petroleum Hose

Fuel Discharge Hose - 300 PSI	4328	23
Frac Oil & Discharge Hose - 400 PSI	4348	24
Petroleum Suction Hose - 300 PSI	4414	22
Oil Return Hose (SAE 100R4)	4415	24
Low Temp Tank Truck Hose-Corrugated	4416	24
Crude Oil Waste Pit Suction Hose-Smooth	4418	25
Crude Oil Waste Pit Suction Hose-Corrugated	4419	25
Nitrile Petroleum Suction Hose	4420	21
Tank Truck Hose - Red Corrugated	4421	21
Bio-Diesel Suction & Discharge Hose	4423	23
Oilfield Fuel Transfer Hose - 400PSI WP	4424	22

Spray Hose

MSHA Mine Spray Hose	4182	44
----------------------	------	----

Steam Hose

EPDM Steam Hose	4815	46
Bromobutyl Steam Hose	4818	47

TABLE OF CONTENTS

Hose by Market

Water Hose	Series No.	Page
Rubber 2-ply Discharge	4352	33
Rubber 4-ply Discharge	4354	33
Nitrile/PVC Ribbed Discharge Hose - Yellow	4358	38
Nitrile/PVC Ribbed Discharge Hose - Black	4359	38
Non-Conductive Furnace Door Coolant Hose	4380	34
Frac Water Suction Hose	4449	32
Rubber Water Suction Hose	4450	32
PVC Discharge - Blue	4502	35
PVC Discharge - Blue Assemblies	4502	35
PVC Discharge - Wine Red	4504	36
PVC Discharge - Wine Red Assemblies	4504	36
PVC Discharge - Red PVC Heavy Duty	4515	37
PVC Discharge - Wine Red	4504	36
PVC Suction Hose - Green	4601	39
PVC Suction Hose - Clear/White Helix	4615	39
Mill Discharge DJ	4703	40
Coupled DJ Mill Discharge	4703	40
Municipal Grade SJ Mill Discharge	4705	41
Municipal Grade SJ Mill Discharge-Assemblies	4705	41
MSHA Fire Hose	4735	42
MAINSTREAM™ Pressure Washer Assemblies	5823	37

Skirtboard Rubber

Skirtboard Rubber - Beveled	6340	50
Skirtboard Rubber - 55 to 60 Durometer	6341	49

Couplings & Accessories

Crimp Products

Crimp Couplings, Ferrules & Sleeves	51-55
Crimp Specifications	56-59

Brass Ball Valves

	Series No.	Page
Brass Ball Valves - 600 to 400 WOG	BV	77

Cam & Groove

Male Adapter x Female Thread	A	60
Female Coupler x Male Thread	B	60
Female Coupler x Hose Shank	C	61
Female Coupler x Female Thread	D	61
Male Adapter x Hose Shank	E	61
Male Adapter x Male Thread	F	62
Anti-Leak Aluminum C x E Cam Lock Couplings	ALF	63
Dust Cap	DC	62
Dust Plug	DP	62
Dust Cap w/Lock Out Handles	DCL	63
Replacement Gaskets	S	66
Replacement Handles	HRP	66
Safety Pin	SP	66
Security Chain	CH	66
Reducers/Adapters		64
Bands for Cam & Groove Fittings (NBR)	RB	63
Tank Truck API Adapters, Caps & Couplers		65

Clamps

Double Bolt Hose	DB	74
Spiral Double Bolt	SDB	74
Interlocking "Collar Grip" 2/4/6/ Bolt	2/4/6BC	73

Couplings & Accessories

	Series No.	Page
Foot Valves (Painted Red)	FV	77

Ground Joint

Female	GJ	70
Double Spud	GDS	70
Male Spud	GMS	70
Female Spud	GFS	70

Hydrant Adapters/Caps/Double Male

Brass	HAB	80
Replacement Gasket	HAG	80

Locking Lever Pump Couplings

Full Assembly	BGA	72
Male Ball x Shank	BMS	72
Male Ball x Thread	BMT	72
O-Ring	BOR	72
Lever Ring	BLR	72
Female Socket x Shank	BFS	72
Female Socket x Thread	BFT	72

Menders

Tube Mender	SM	76
-------------	----	----

Nipples

Combination & Victaulic	CN	75
Hex Male Collared	MS	76

Nozzles

Straight Stream	BN	78
Fog	FN	78

Oil & Gas Drilling

Sugar Cone Strainers	CS	81
Sight Glasses	SGT	81

Pin Lug Water

Aluminum With Brass Swivel	AB	67
Replacement Washers	HW	67

Sandblast

Hose End	Q	71
Nozzle Holders	NH	71
Threaded Pot Ends	SB	71
Gaskets for Metal Hose End/Pot End	QW	71



TABLE OF CONTENTS

Couplings & Accessories

Strainers

	Series No.	Page
Round Hole	RHS	80
Square Hole	SHS	80
Tube	TRHS	80
Top Hole	THS	80
Bottom Hole	BHS	80
Polypropylene	PS	80

Tank Truck Accessories

API Dust Cap	DC	65
API Coupler x Adapter	DA	65
API Coupler x Coupler	DD	65
Gasket for API Coupler	G	65

Universal Air

Hose End 2 Lug	HE	68
Male End 2 Lug	ME	68
Female End 2 Lug	FE	68

Couplings & Accessories

Universal Air

	Series No.	Page
Washer for 2 Lug	UG	68
3-Way Connector	TWC	69
Dead End	BEC	69
Safety Pin & Lanyard	SPL	69
Hose to Hose Cable	HHWC	68
Hose to Tool Cable	HTWS	68
Hose End 4 Lug	HE	69
Female End 4 Lug	FE	69
Washer for 4 Lug	UG	69

Wrenches

Spanner for Pin Lug Couplings	SW	79
Universal Spanner	US	79
Adjustable Hydrant	HYD	79

GENERAL INFORMATION

Organizations Having Regulations or Specifications for Hose

U.S. Government Agencies

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

Canadian Agencies and Organizations

- CGA** Canadian Gas Association
- CGSB** Canadian Government Specifications Board
- RAC** Rubber Association of Canada
- CSA** Canadian Specifications Association

Other Organizations

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

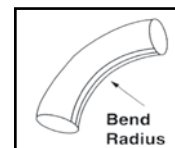
ARPM Oil Resistance Data

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 ARPM (replacing RMA) 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
Class A (High Oil Resistance)	+25%	80%
Class B (Medium-High Oil Resistance)	+65%	50%
Class C (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 inner-most 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:

$$\frac{\text{Angle of Bend} \times 2\pi}{360^\circ} = \text{minimum length of hose to make bend}$$

r = given bend radius of the hose

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

$$\text{Given } r = 4.5 \text{ inches}$$

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

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

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.

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COMMONLY USED RUBBER COMPOUNDS

ASTM Designation	Common Name	Composition	ASTM Designation	Common Name	Composition
D1418			D1418		
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
I.D.	Inside diameter of hose opening	Weight/ft.	Weight per foot of hose
O.D.	Outside diameter of hose	Bend Radius	The minimum radius to which the hose will bend before it is damaged
Max W.P.	Maximum recommended working pressure	Standard Lengths	The bulk length that the hose is stocked for distributors
PSI	Pressure in pounds per square inch		

III. Thread Chart

Abbreviation	Thread Name	Seal Method	Thread Compatibility
GHT	Garden Hose Thread	Washer Seal	GHT - GHT
JIC 37° Flare	Joint Industrial Committee	Mechanical Seal	JIC Male - JIC Female
NH or NST	American Standard Fire Hose Thread National Hose or National Standard Thread	Washer Seal	NH or NST - NH or NST
NPT	American Standard Taper Pipe Thread National Pipe Thread	Thread Seal or Washer Seal	NPT - NPT or NPTF
NPTF	American Standard Taper Pipe Fuel Dryseal National Pipe Tapered Fuel	Thread Seal or Washer Seal	NPTF - NPTF or NPT
NPSH	American Standard Straight Pipe for Hose Couplings National Pipe Straight Hose	Washer Seal	NPSH - NPSH or NPT
NPSM	American Standard Straight Mechanical Joints National Pipe Straight Mechanical	Washer Seal or Mechanical Seal	NPSM - NPSM, NPT or NPTF
SAE 45° Flare	Society of Automotive Engineers	Mechanical Seal	SAE Male - SAE Female

Note: Thread sealant is required for Thread Seal connections, except for NPTF during initial use.

Note: Compatibility of thread type does not ensure compatibility of fittings. Always use mating fittings of the same type.

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.

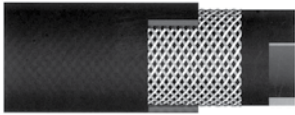
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HOSE CONSTRUCTIONS



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.

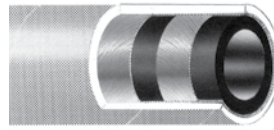
1-BRAID



- 4103** - Red PVC Air Hose
- 4106** - Red/TPR Air Hose

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

2-SPIRAL



- 4805** - Wire Reinforced Hose (steel wire)

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

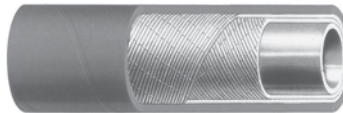
WATER LAYFLAT



- 4358, 4359** - Nitrile/PVC Oil Resistant Discharge Hose
- 4502** - Blue PVC Water Discharge Hose
- 4504** - Wine Red PVC Water Discharge Hose

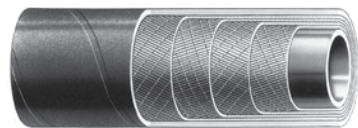
- 4515** - PVC Water Discharge Hose - Red
- 4703** - DJ Mill Discharge Hose
- 4705** - Municipal Grade SJ Mill Discharge Hose
- 4735** - MSHA Fire Hose

2-PLY RUBBER



- 4310** - Gunite Hose
- 4312** - 2-Ply Sandblast Hose
- 4313** - Lightweight Sandblast Hose
- 4322** - 1/8" Tube Dry Cement Powder Discharge Hose
- 4323** - 3/16" Tube Dry Cement Powder Discharge
- 4324** - 1/4" Tube Dry Cement Powder Discharge
- 4348** - Frac Oil & Water Discharge Hose 400 PSI
- 4352** - Rubber 2-Ply Water Discharge
- 4360** - Papermill Washdown
- 4380** - Non-Conductive Furnace Door Coolant Hose

4-PLY RUBBER



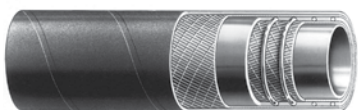
- 4314** - 4-Ply Sandblast Hose
- 4354** - Rubber 4-Ply Sandblast Hose
- 4428** - Plaster and Grout

PVC HOSE W/ PVC HELIX



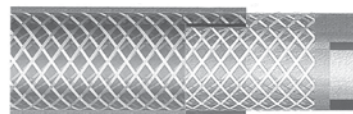
- 4601** - Green PVC Water Suction Hose
- 4615** - Clear/White PVC Water Suction Hose

2-PLY W/ WIRE HELIX



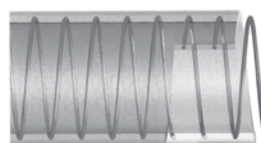
- 4414** - Petroleum Suction Hose - 300 PSI
- 4415** - Oil Return Hose SAE 100R4
- 4416** - Low Temp Tank Truck Hose - Corrugated (double helix)
- 4418** - Crude Oil Waste Pit Suction Hose - Smooth Cover
- 4419** - Crude Oil Waste Pit Suction Hose
- 4421** - Tank Truck Hose - Red Corrugated
- 4423** - Bio-Diesel Suction & Discharge Hose
- 4424** - Petroleum Suction Hose - 400 PSI
- 4425** - Hot Air Blower
- 4328** - Fuel Discharge Hose - 300 PSI
- 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

CLEAR PVC W/ GALVANIZED SPRING WIRE



- 4600** - Spring Wire PVC/FDA Hose



NEW PRODUCTS

BRAND NEW ITEMS TO LOOK FOR IN THIS CATALOG!



4807 Hi-Temp Air Hose - Wire Reinforced (3/4", 1", 2" and 3" IDs). Same as 4805, with a higher temperature (+275°F) - **PAGE 13**

4105 TPR Air Hose - New Version, New Part Numbers - **PAGE 10**

4175 Reinforced Polyurethane Air Hose Assemblies - (1/4" and 3/8" IDs) - **PAGE 11**

4328 Fuel Discharge Hose - 300 PSI (2", 2-1/2", 3", 4" and 5" IDs) - **PAGE 23**

4414 Petroleum Suction Hose - 300 PSI (2", 2-1/2", 3", 4" and 6" IDs) - **PAGE 22**

4416 Low Temp Tank Truck Hose - Corrugated (3" and 4" IDs) - Replaces series 4417 - **PAGE 24**

4418 Crude Oil Waste Pit Suction Hose - Smooth Cover (1", 1-1/2", 2", 3" and 4" IDs) - **PAGE 25**

4423 Bio-Diesel Suction & Discharge Hose - (1", 1-1/2", 2" and 3" IDs) - **PAGE 23**

4424 Nitrile Petroleum Suction Hose - 400 PSI (3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" and 6" IDs) - **PAGE 22**

4322 1/8" Tube Dry Cement, Powder Discharge Hose - **PAGE 28**

4359 Nitrile/PVC Oil Resistant, Ribbed Discharge Hose - Black (3/4", 1", 1-1/2", 2", 2-1/2", 3", 4", 6" and 8" IDs) - **PAGE 38**

4449 Frac Water Suction Hose - (2", 3", 4" and 6" IDs) - **PAGE 32**

4515 PVC Red Water Discharge Hose - (1-1/2", 2", 2-1/2", 3", 4", 6" and 8" IDs) - **PAGE 37**

4735 MSHA Fire Hose - 300 PSI (1-1/2" ID) - **PAGE 42**

5823 MAINSTREAM™ Pressure Washer Assemblies - **PAGE 37**

4348 Frac Oil & Water Discharge Hose - 400 PSI - **PAGE 24**

Crimp Cam & Groove Fittings - **PAGE 53**

Crimp Combination Nipple Fittings - **PAGE 53**

Crimp Sleeves - **PAGE 55**

Crimp Ferrules - **PAGE 54**

Sugar Cone Witches Hat Strainers - **PAGE 81**

Sight Glasses - Schedule 80 - **PAGE 81**

Series 6340 - Beveled Skirtboard - **PAGE 50**

Bands for Cam & Groove Fittings - **PAGE 63**



AIR HOSE



FOR THE TRANSFER OF AIR, WATER & MODERATE CHEMICAL SOLUTIONS

Applications include the following:

- General service air & water
- Mild chemical applications
- Medium grade fuels for construction, shipyards, mining and agriculture.
- Pneumatically engage/disengage remote controls on sandblast machines.
- Heavy duty air supply for mining, quarries, construction, industrial air placement, sandblasting and heavy equipment rental.
- Heavy duty applications where high temperature is required.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



AIR HOSE

4103 RED PVC AIR HOSE - MEDIUM OIL RESISTANT

TUBE: PVC, smooth, medium oil resistance, ARPM Class C
REINFORCEMENT: Synthetic braid
COVER: PVC, smooth, black, medium oil resistant, ARPM 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: 1/4" to 5/8" ID - 328 ft.; 3/4 & 1" - 164 ft. coils



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	
4103-0025-328	1/4	6.35	0.44	11.18	1	300	20.68	0.07	0.10	1.70	43.20	✓
4103-0031-328	5/16	7.94	0.50	12.70	1	300	20.68	0.08	0.12	2.10	53.30	✓
4103-0037-328	3/8	9.53	0.59	14.99	1	300	20.68	0.10	0.15	2.50	63.50	✓
4103-0050-328	1/2	12.70	0.75	19.05	1	300	20.68	0.16	0.24	3.30	83.80	✓
4103-0062-328	5/8	15.88	0.91	23.11	1	300	20.68	0.22	0.33	4.20	106.70	✓
4103-0075-164	3/4	19.05	1.05	26.59	1	215	14.81	0.28	0.42	5.00	127.00	✓
4103-0100-164	1	25.40	1.33	33.73	1	170	11.71	0.41	0.61	6.70	170.20	✓
Coupled 1/4" Male NPT x 1/4" Male NPT x 50' Hose Assembly												
4103-037450	3/8	9.53	0.59	14.99	1	300	20.68	0.10	0.15	2.50	63.50	✓

4105 RED TPR AIR HOSE - HIGH OIL RESISTANT

TUBE: TPR, Black, high oil resistance, ARPM Class A
REINFORCEMENT: Synthetic braid
COVER: TPR (Nitrile/PVC), Red, ARPM Class A
BRANDING: ID XX" (XXmm) logo WP (PSI) 4106 (Country of Origin)
TEMPERATURE RANGE: -15°F (-26°C) to +176°F (+80°C)
FEATURES: Ozone, UV and weather resistant
APPLICATION: For air, oil and medium grade fuels used in construction, shipyards, mining and agriculture.
STANDARD LENGTHS: 1/4" to 5/8" ID - 328 ft.; 3/4" & 1" - 164 ft. coils



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	
4105-0025-328	1/4	6.35	0.44	11.18	1	300	20.68	0.07	0.10	1.70	43.20	✓
4105-0031-328	5/16	7.94	0.50	12.70	1	300	20.68	0.08	0.12	2.10	53.30	
4105-0037-328	3/8	9.53	0.59	14.99	1	300	20.68	0.10	0.15	2.50	63.50	✓
4105-0050-328	1/2	12.70	0.75	19.05	1	300	20.68	0.16	0.24	3.30	83.80	✓
4105-0062-328	5/8	15.88	0.91	23.11	1	300	20.68	0.22	0.33	4.20	106.70	
4105-0075-164	3/4	19.05	1.05	26.59	1	215	14.81	0.28	0.42	5.00	127.00	✓
4105-0100-164	1	25.40	1.33	33.73	1	170	11.71	0.41	0.61	6.70	170.20	✓

Other colors are available with minimum production run. Contact Customer Service for more information.

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

We disclaim any liability for use of our products in applications other than which they are designed.

4142 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: Reels (328 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	
4142-0188-328	3/16	4.76	0.42	10.72	2	300	20.68	0.10	0.15	1.30	31.80	✓

4175 REINFORCED POLYURETHANE AIR HOSE ASSEMBLIES

TUBE: Polyurethane
REINFORCEMENT: Spiral polyester yarn
COVER: Polyurethane
BRANDING: Jason logo PU AIR HOSE ID PSI WP @70°F
TEMPERATURE RANGE: -40°F (-40°C) to +120°F (+49°C)
FEATURES: 75% lighter than rubber and 65% lighter than PVC. Flexible to -40°F. Resists kinking. Coupled with MPT, swivel ends with bend restrictors. Excellent oil resistance.
APPLICATION: General service air
STANDARD LENGTHS: 1/4" in 25 ft., 50 ft. and 100 ft. lengths.
 3/8" in 50 ft. lengths.



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	
4175-0025-025MS	1/4	6.35	0.38	9.54	2	200	13.78	1.24	1.85	N/A	N/A	✓
4175-0025-050MS	1/4	6.35	0.38	9.54	2	200	13.78	2.14	3.20	N/A	N/A	✓
4175-0025-100MS	1/4	6.35	0.38	9.54	2	200	13.78	4.25	6.35	N/A	N/A	✓
4175-0038-050MS	3/8	9.54	0.50	12.70	2	200	13.78	3.62	5.41	N/A	N/A	✓



AIR HOSE

4805

WIRE REINFORCED HOSE

TUBE: Nitrile blend, smooth, black

REINFORCEMENT: Two wire spiral

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: 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	
4805-0050-100	1/2	12.70	0.91	23.11	2	600	41.37	0.36	0.54	5.50	140.00	✓
4805-0075-050	3/4	19.05	1.22	30.99	2	600	41.37	0.60	0.89	8.30	210.00	✓
4805-0075-100	3/4	19.05	1.22	30.99	2	600	41.37	0.60	0.89	8.30	210.00	✓
4805-0100-050	1	25.40	1.49	37.85	2	600	41.37	0.80	1.19	11.00	280.00	✓
4805-0100-100	1	25.40	1.49	37.85	2	600	41.37	0.80	1.19	11.00	280.00	✓
4805-0125-050	1-1/4	31.75	1.81	45.97	2	600	41.37	1.05	1.56	13.80	350.00	✓
4805-0125-100	1-1/4	31.75	1.81	45.97	2	600	41.37	1.05	1.56	13.80	350.00	✓
4805-0150-050	1-1/2	38.10	2.04	51.82	2	600	41.37	1.24	1.85	16.50	420.00	✓
4805-0150-100	1-1/2	38.10	2.04	51.82	2	600	41.37	1.24	1.85	16.50	420.00	✓
4805-0200-050	2	50.80	2.60	66.04	2	600	41.37	1.80	2.68	22.00	560.00	✓
4805-0200-100	2	50.80	2.60	66.04	2	600	41.37	1.80	2.68	22.00	560.00	✓
4805-0250-050	2-1/2	63.50	3.15	80.01	2	600	41.37	2.40	3.57	27.50	700.00	✓
4805-0250-100	2-1/2	63.50	3.15	80.01	2	600	41.37	2.40	3.57	27.50	700.00	✓
4805-0300-050	3	76.20	3.70	93.98	2	600	41.37	3.22	4.79	33.10	840.00	✓
4805-0300-100	3	76.20	3.70	93.98	2	600	41.37	3.22	4.79	33.10	840.00	✓
4805-0400-050	4	101.60	4.88	123.95	2	600	41.37	4.70	6.99	44.10	1120.00	✓
4805-0400-100	4	101.60	4.88	123.95	2	600	41.37	4.70	6.99	44.10	1120.00	✓
4805-0600-050	6	152.40	6.89	175.01	2	600	41.37	6.82	10.14	63.00	1600.20	
4805-0600-100	6	152.40	6.89	175.01	2	600	41.37	6.82	10.14	63.00	1600.20	

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

We disclaim any liability for use of our products in applications other than which they are designed.

AIR HOSE



4807 HI-TEMP AIR HOSE - WIRE REINFORCED

TUBE: Bromobutyl, oil mist and high temperature resistant

REINFORCEMENT: Two wire spiral

COVER: EPDM, abrasion and ozone resistant, pin-pricked, yellow

BRANDING: Jason Logo 4807 HIGH HEAT WIRE AIR 275°F (135°C)
600 PSI/41.4 BAR Green Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F (-40°C) to +275°F (+135°C)

FEATURES: Oil mist resistant tube, extremely high temperature range, high working pressure and visible yellow cover.

APPLICATION: For heavy duty air supply where high temperature is required. For use with compressors without an after-cooler, mining, quarries, construction, industrial air placement, sandblasting and heavy duty equipment.

STANDARD LENGTHS: 50 ft. or 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	
4807-0075-050	3/4	19.05	1.42	36.00	2	600	41.37	0.60	0.89	8.30	210.00	✓
4807-0075-100	3/4	19.05	1.42	36.00	2	600	41.37	0.60	0.89	8.30	210.00	✓
4807-0100-050	1	25.40	1.93	49.00	2	600	41.37	0.80	1.19	11.00	280.00	✓
4807-0100-100	1	25.40	1.93	49.00	2	600	41.37	0.80	1.19	11.00	280.00	✓
4807-0200-050	2	50.80	2.48	63.00	2	600	41.37	1.80	2.68	22.00	560.00	✓
4807-0200-100	2	50.80	2.48	63.00	2	600	41.37	1.80	2.68	22.00	560.00	✓
4807-0300-050	3	76.20	3.50	89.00	2	600	41.37	3.22	4.79	33.10	840.00	✓
4807-0300-100	3	76.20	3.50	89.00	2	600	41.37	3.22	4.79	33.10	840.00	✓

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

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AIR HOSE

4302 TEXTILE REINFORCED AIR HOSE - 400 PSI

TUBE: Nitrile blend, smooth, black
REINFORCEMENT: Synthetic fabric, 2-ply
COVER: SBR, yellow, fabric impression, pin-pricked
BRANDING: Jason Logo 4302 Textile Air WP (PSI) (BAR)
 Blue Mylar Stripe
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	12.70	0.91	23.11	2	400	27.58	0.32	0.48	6.00	152.40	✓
4302-0075-050	3/4	19.05	1.18	29.97	2	400	27.58	0.40	0.60	7.50	190.00	✓
4302-0100-050	1	25.40	1.46	37.08	2	400	27.58	0.54	0.80	10.00	254.00	✓
4302-0150-050	1-1/2	38.10	2.05	52.07	2	400	27.58	0.92	1.37	15.00	280.00	✓
4302-0200-050	2	50.80	3.64	67.06	2	400	27.58	1.37	2.04	20.00	508.00	✓

4305 TEXTILE REINFORCED AIR HOSE - 300 PSI

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	300	24.13	0.40	0.60	7.50	190.00	✓
4305-0100-050	1	25.40	1.46	37.08	2	300	24.13	0.54	0.80	10.00	254.00	✓
4305-0100-100	1	25.40	1.46	37.08	2	300	24.13	0.54	0.80	10.00	254.00	✓
4305-0125-100	1-1/4	31.75	1.81	45.97	2	300	24.13	0.81	1.21	12.50	320.00	✓
4305-0150-100	1-1/2	38.10	2.05	52.07	2	300	24.13	0.92	1.37	15.00	380.00	✓
4305-0200-100	2	50.80	2.64	67.06	2	300	24.13	1.37	2.04	20.00	508.00	✓
4305-0250-100	2-1/2	63.50	3.15	80.01	2	300	24.13	1.69	2.51	25.00	635.00	✓
4305-0300-050	3	76.20	3.70	93.98	2	300	24.13	2.16	3.21	30.00	762.00	✓
4305-0300-100	3	76.20	3.70	93.98	2	300	24.13	2.16	3.21	30.00	762.00	✓

ACID/CHEMICAL HOSE



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

Applications include the following:

- Transferring chemicals and acids
- Transferring solvents



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



ACID/CHEMICAL HOSE

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 ACID CHEMICAL I.D. 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. Plies	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 ACID CHEMICAL I.D. 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 & 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	✓
4433-0400-100	4	101.60	4.72	119.89	2	150	10.34	2.60	3.87	18.00	457.20	✓

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

We disclaim any liability for use of our products in applications other than which they are designed.

FOOD HOSE



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

Applications include the following:

- For suction, pneumatic or gravity transfer of flour, sugar, syrup or edible grains.
- For liquid food products, including oily edibles, milk and beer.
- Food and beverage dispensing, potable water, air breathing lines, lube lines and other visual flow applications.
- For car wash, deionized water systems and other clear flow applications.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



FOOD HOSE

4460

FDA BULK FOOD SUCTION HOSE

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

REINFORCEMENT: Multiple plies with steel wire helix

COVER: Natural rubber, flat corrugations, gray color

BRANDING: Jason Logo 4460 FDA I.D. 3/16" Tube Bulk Food Suction WP (PSI) (BAR) 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.

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

VACUUM: All sizes, 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	
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	✓
4460-0450-060	4-1/2	114.30	5.27	133.86	2	150	10.34	3.94	5.86	22.00	558.80	✓
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	✓
4460-0600-020	6	152.40	6.77	171.96	2	150	10.34	5.98	8.90	26.00	660.40	✓
4460-0600-100	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

FDA LIQUID FOOD SUCTION HOSE

TUBE: White Nitrile, FDA Grade

REINFORCEMENT: Multiple plies with steel wire helix

COVER: Nitrile, corrugated, white

BRANDING: Jason Logo 4465 FDA Liquid Food SUCTION WP 150 PSI 10.35 BAR Blue 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.

VACUUM: All sizes, 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	
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.

We disclaim any liability for use of our products in applications other than which they are designed.

4511

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

4600

FDA 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	
4600-0380	3/8	9.53	0.63	16.00	Wire Spring	100	6.89	0.10	0.15	0.80	19.10	✓
4600-0500	1/2	12.70	0.71	18.03	Wire Spring	100	6.89	0.13	0.19	1.00	25.40	✓
4600-0630	5/8	15.88	0.90	22.86	Wire Spring	100	6.89	0.17	0.25	1.20	30.00	✓
4600-0750	3/4	19.05	1.06	26.92	Wire Spring	100	6.89	0.24	0.36	1.30	34.00	✓
4600-1000	1	25.40	1.31	33.27	Wire Spring	75	5.17	0.34	0.51	1.70	41.90	✓
4600-1250	1-1/4	31.75	1.61	40.89	Wire Spring	75	5.17	0.50	0.74	2.00	50.80	✓
4600-1500	1-1/2	38.10	1.85	46.99	Wire Spring	50	3.45	0.55	0.82	2.50	63.50	✓
4600-2000	2	50.80	2.36	59.94	Wire Spring	50	3.45	0.84	1.25	3.20	82.00	✓
4600-2500	2-1/2	63.50	2.97	75.44	Wire Spring	50	3.45	1.21	1.80	5.50	139.70	✓
4600-3000	3	76.20	3.51	89.15	Wire Spring	50	3.45	1.48	2.20	6.50	165.10	✓
4600-3500	3-1/2	88.90	4.09	103.89	Wire Spring	50	3.45	1.95	2.90	7.50	190.50	✓
4600-4000	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.

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

We disclaim any liability for use of our products in applications other than which they are designed.



PETROLEUM HOSE



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

Applications include the following:

- For suction or discharge of petroleum-based products in truck and car operations.
- For transfer of gasoline in gravity flow or pressure applications.
- For suction and discharge of bio-diesel fuel and ethanol.
- For oil return lines of hydraulic systems in industrial and agricultural applications.
- Handles crude oil, salt and fresh water, tank bottoms and diesel fuels.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



4420 NITRILE PETROLEUM SUCTION HOSE - 150 PSI

TUBE: Nitrile, black, smooth, ARPM Class A

REINFORCEMENT: Synthetic fabric with dual wire helix

COVER: CR, ARPM Class B

BRANDING: Jason logo 4420 Petroleum Suction WP 150 PSI 10.35 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: All sizes 100 ft.; 2", 3" and 4" available in 200 ft. lengths.

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	
4420-0075-100	3/4	19.05	1.14	28.96	2	150	10.35	0.36	0.54	4.00	101.60	✓
4420-0100-100	1	25.40	1.38	35.00	2	150	10.35	0.49	0.73	6.00	152.40	✓
4420-0125-100	1-1/4	31.75	1.69	42.93	2	150	10.35	0.81	1.21	6.00	152.40	✓
4420-0150-100	1-1/2	38.10	2.00	50.80	2	150	10.35	0.91	1.35	6.50	165.10	✓
4420-0200-100	2	50.80	2.52	64.01	2	150	10.35	1.14	1.70	8.00	203.20	✓
4420-0200-200	2	50.80	2.52	64.01	2	150	10.35	1.14	1.70	8.00	203.20	✓
4420-0250-100	2-1/2	63.50	3.06	77.72	2	150	10.35	1.76	2.62	12.00	304.80	✓
4420-0300-100	3	76.20	3.54	89.92	2	150	10.35	2.42	3.60	16.00	406.40	✓
4420-0300-200	3	76.20	3.54	89.92	2	150	10.35	2.42	3.60	16.00	406.40	✓
4420-0400-100	4	101.60	4.60	116.84	2	150	10.35	2.69	4.00	18.00	457.20	✓
4420-0400-200	4	101.60	4.60	116.84	2	150	10.35	2.69	4.00	18.00	457.20	✓
4420-0600-020	6	152.40	6.86	174.24	2	150	10.35	6.28	9.35	30.00	762.00	✓
4420-0600-100	6	152.40	6.86	174.24	2	150	10.35	6.28	9.35	30.00	762.00	✓
4420-0800-020	8	203.20	8.90	226.06	2	150	10.35	7.12	10.60	48.00	1219.20	✓
4420-0800-050	8	203.20	8.90	226.06	2	150	10.35	7.12	10.60	48.00	1219.20	✓

4421 TANK TRUCK HOSE - RED CORRUGATED

TUBE: Nitrile, ARPM Class A

REINFORCEMENT: Spiraled synthetic plies with steel wire helix

COVER: CR, ARPM Class B (corrugated) - RED

BRANDING: Jason logo 4421 Petroleum Suction 150 PSI 10.35 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: 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	
4421-0200-100	2	50.80	2.48	63.00	2	150	10.35	1.18	1.76	4.00	101.60	✓
4421-0300-100	3	76.20	3.50	89.00	2	150	10.35	1.99	2.96	6.00	152.40	✓
4421-0400-100	4	101.60	4.57	116.00	2	150	10.35	2.66	3.96	9.00	228.60	✓
4421-0600-100	6	152.40	6.77	172.00	2	150	10.35	6.30	9.41	25.00	637.50	✓

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

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PETROLEUM HOSE

4424 NITRILE PETROLEUM SUCTION HOSE - 400 PSI

TUBE: Nitrile, black, smooth, ARPM Class A
REINFORCEMENT: Synthetic fabric with dual wire helix
COVER: CR, ARPM Class B
BRANDING: Jason logo 4424 Petroleum Suction WP 400 PSI 27.6 BAR
 Red Mylar Longitudinal Stripe
TEMPERATURE RANGE: -31°F (-35°C) to +158°F (+70°C)
FEATURES: Heavy duty construction that can handle up to 400 PSI. High tensile synthetic textile, NBR tube, two copper static wires, synthetic rubber cover, oil, weather, ozone & sea water resistant
APPLICATION: For suction or discharge of petroleum-based products in truck and car operations.
STANDARD LENGTHS: All sizes 100 ft.; 2", 3" and 4" available in 200 ft. lengths.
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	
4424-0200-100	2	50.80	2.82	71.63	2	400	27.56	1.89	2.81	12.00	304.80	✓
4424-0200-200	2	50.80	2.82	71.63	2	400	27.56	1.89	2.81	12.00	304.80	✓
4424-0300-100	3	76.20	3.88	98.55	2	400	27.56	2.95	4.39	20.00	508.00	✓
4424-0300-200	3	76.20	3.88	98.55	2	400	27.56	2.95	4.39	20.00	508.00	✓
4424-0400-100	4	101.60	4.92	124.97	2	400	27.56	3.85	5.72	30.00	762.00	✓
4424-0400-200	4	101.60	4.92	124.97	2	400	27.56	3.85	5.72	30.00	762.00	✓

4414 NITRILE PETROLEUM SUCTION HOSE - 300 PSI

TUBE: Nitrile, black, smooth, ARPM Class A
REINFORCEMENT: Synthetic fabric with dual wire helix
COVER: CR, ARPM Class B
BRANDING: Jason logo 4414 Petroleum Suction WP (300 PSI) 20.7 BAR
 Red White Mylar Longitudinal Stripe
TEMPERATURE RANGE: -25°F (-32°C) to +200°F (+93°C)
FEATURES: Heavy duty construction that can handle up to 300 PSI.
APPLICATION: The transfer of petroleum products, including gasoline under pressure or gravity flow.
STANDARD LENGTHS: 100 ft. lengths, all sizes. 2", 3" & 4" ID available in 200 ft. lengths
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	
4414-0100-100	1	25.40	1.46	37.08	2	300	20.68	0.53	0.79	3.50	88.90	✓
4414-0125-100	1-1/4	31.75	1.73	43.94	2	300	20.68	0.70	1.04	4.00	101.06	✓
4414-0150-100	1-1/2	38.10	2.00	50.80	2	300	20.68	0.92	1.37	5.00	127.00	✓
4414-0200-100	2	50.80	2.50	63.50	2	300	20.68	1.27	1.89	8.00	203.20	✓
4414-0200-200	2	50.80	2.50	63.50	2	300	20.68	1.27	1.89	8.00	203.20	✓
4414-0250-100	2-1/2	63.50	3.11	78.99	2	300	20.68	1.66	2.47	10.00	254.00	✓
4414-0300-100	3	76.20	3.62	91.95	2	300	20.68	2.19	3.26	12.00	304.80	✓
4414-0300-200	3	76.20	3.62	91.95	2	300	20.68	2.19	3.26	12.00	304.80	✓
4414-0400-100	4	101.60	4.65	118.11	2	300	20.68	2.89	4.30	17.00	431.80	✓
4414-0400-200	4	101.60	4.65	118.11	2	300	20.68	2.89	4.30	17.00	431.80	✓
4414-0600-100	6	152.40	6.91	175.51	2	300	20.68	6.47	9.96	27.00	685.80	✓
4414-0800-020	8	203.20	8.98	228.00	2	300	20.68	6.92	10.30	48.00	1219.20	✓

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4423 BIO-DIESEL SUCTION & DISCHARGE HOSE

TUBE: Ultra-high molecular weight polyethylene (UHMWPE)

REINFORCEMENT: Synthetic fabric with 2-wire helix and two conductive copper wires

COVER: CR, smooth, black. Oil, heat, ozone, weather and abrasion resistant

BRANDING: Jason logo 4423 BIO-DIESEL B-20 MAX Ethanol E-20
MAX SUCTION 150 PSI 10.35 BAR
Red Longitudinal Stripe

TEMPERATURE RANGE: -31°F (-35°C) to +176°F (+80°C)

FEATURES: UHMWPE tube gives maximum resistance to today's bio-diesel blends. **Consult with engine manufacturers for warranted blends (B5 to B100).**

APPLICATION: For suction and discharge of bio-diesel and ethanol blended fuels

STANDARD LENGTHS: 100 ft.

VACUUM RATING: All sizes 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	
4423-0100-100	1	25.40	1.42	36.00	2	150	10.35	0.49	0.73	6.00	152.40	✓
4423-0150-100	1-1/2	38.10	1.93	49.00	2	150	10.35	0.75	1.12	8.00	203.20	✓
4423-0200-100	2	50.80	2.48	63.00	2	150	10.35	1.16	1.72	12.00	304.80	✓
4423-0300-100	3	76.20	3.50	89.00	2	150	10.35	1.81	2.69	18.00	457.20	✓

4328 NITRILE FUEL DISCHARGE HOSE - 300 PSI

TUBE: Nitrile, black, smooth, ARPM Class A

REINFORCEMENT: Synthetic fabric with static wire

COVER: CR, ARPM Class B

BRANDING: Jason logo 4328 Fuel Discharge WP (300 PSI) 20.7 BAR
Red White 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%.

APPLICATION: For discharge only for petroleum-based products in truck and car applications.

STANDARD LENGTHS: 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	
4328-0200-100	2	50.80	2.64	67.06	2	300	20.68	1.35	2.01	11.00	275.00	✓
4328-0250-100	2-1/2	63.50	3.13	79.50	2	300	20.68	1.55	2.30	12.00	300.00	✓
4328-0300-100	3	76.20	3.67	93.22	2	300	20.68	1.88	2.80	14.00	350.00	✓
4328-0400-100	4	101.60	4.61	117.09	2	300	20.68	2.57	3.82	18.00	450.00	✓
4328-0500-100	5	127.00	5.67	144.02	2	300	20.68	4.09	6.08	24.00	600.00	✓



PETROLEUM HOSE

4415

OIL RETURN HOSE SAE 100R4

TUBE: Nitrile, black, smooth, ARPM Class A
REINFORCEMENT: Synthetic fabric with wire helix
COVER: CR, ARPM Class B
BRANDING: Jason logo 4415 SAE 100R4 Return Line
 Red 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	✓

4416

LOW TEMP TANK TRUCK HOSE - CORRUGATED

TUBE: Nitrile, ARPM Class A
REINFORCEMENT: Spiraled synthetic plies with double wire helix
COVER: CR, ARPM Class B (corrugated) - Black
BRANDING: Jason logo 4416 Low Temp Petroleum Suction -65°F (-55°C)
 WP 150 PSI 10.35 BAR - Red Mylar Longitudinal Stripe
TEMPERATURE RANGE: -65°F (-55°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:** 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	
4416-0300-100	3	76.20	3.55	90.17	2	150	10.30	1.83	2.72	6.00	151.20	✓
4416-0400-100	4	101.60	4.59	116.59	2	150	10.30	2.39	3.56	9.00	226.80	✓

4348

FRAC OILFIELD FUEL DISCHARGE HOSE - 400 PSI

TUBE: Nitrile, black, smooth, ARPM Class C
REINFORCEMENT: Multiple plies of synthetic fabric
COVER: EPDM/SBR Blend
BRANDING: Jason logo 4348 Frac Discharge WP (400 PSI) 27.6 BAR
 Red Mylar Longitudinal Stripe
TEMPERATURE RANGE: -25°F (-32°C) to +180°F (+82°C)
FEATURES: Smooth, highly oil resistant tube to handle gasoline and other petroleum products having an aromatic content of 50%.
APPLICATION: To discharge or convey water and oil slurry mixtures for the connections at the Frac tanks
STANDARD LENGTHS: 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	
4348-0300-100	3	76.20	3.87	98.30	4	400	27.60	2.52	3.74	18.00	457.20	✓
4348-0400-100	4	101.60	4.76	120.90	4	400	27.60	2.52	4.21	24.00	600.00	✓

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

We disclaim any liability for use of our products in applications other than which they are designed.

4418

CRUDE OIL WASTE PIT SUCTION HOSE SMOOTH COVER

DO NOT USE WITH REFINED PETROLEUM

TUBE: Nitrile, ARPM Class C

REINFORCEMENT: Spiraled synthetic plies with steel wire helix

COVER: SBR, black, smooth

BRANDING: Jason logo 4418 Crude Oil Waste Pit Suction WP 150 PSI
10.35 BAR - Do Not Use with Refined Petroleum
Red 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. lengths

VACUUM RATING: All sizes 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	
4418-0150-100	1-1/2	38.10	1.97	50.04	2	150	10.35	0.77	1.15	3.00	76.20	✓
4418-0200-100	2	50.80	2.47	62.74	2	150	10.35	0.99	1.47	4.00	101.60	✓
4418-0300-100	3	76.20	3.52	89.41	2	150	10.35	1.76	2.62	5.00	127.00	✓
4418-0400-100	4	101.60	4.52	114.81	2	150	10.35	2.29	3.41	8.00	203.20	✓

4419

CRUDE OIL WASTE PIT SUCTION HOSE CORRUGATED COVER

DO NOT USE WITH REFINED PETROLEUM

TUBE: Nitrile, ARPM Class C

REINFORCEMENT: Spiraled synthetic plies with steel wire helix

COVER: SBR, black, corrugated

BRANDING: Jason logo 4419 Crude Oil Waste Pit Suction WP 150 PSI
10.35 BAR - Do Not Use with Refined Petroleum
Red 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. lengths

VACUUM RATING: All sizes 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	
4419-0150-100	1-1/2	38.10	1.97	50.04	2	150	10.35	0.77	1.15	3.00	76.20	✓
4419-0200-100	2	50.80	2.47	62.74	2	150	10.35	0.99	1.47	4.00	101.60	✓
4419-0300-100	3	76.20	3.52	89.41	2	150	10.35	1.76	2.62	5.00	127.00	✓
4419-0400-100	4	101.60	4.52	114.81	2	150	10.35	2.29	3.41	8.00	203.20	✓

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MATERIAL HANDLING HOSE



FOR THE TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE & CEMENT

Applications include the following:

- For suction, discharge or gravity flow of abrasives from manufacturing, sandblast recovery, mineral processing power plants and spill recovery.
- Conveying hot air from blower to tank on bulk transport trucks.
- Pneumatic discharge of dry powders, dry cement or other dry materials.
- For applications using plaster, concrete and grout for dams, tunnels, swimming pools, etc.
- Conveying sand and cement to a mixing gun.
- Conveying highly abrasive materials in sandblasting/cleaning and general maintenance in construction, shipyards, power plants, steel mills, refineries and equipment rental.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.

MATERIAL HANDLING HOSE



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 Suction WP XX PSI XX 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 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	
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	✓
4470-0400-050	4	101.60	4.69	119.13	2	75	5.17	2.93	4.36	24.00	609.60	✓
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	838.20	✓
4470-0600-050	6	152.40	6.73	170.94	2	75	5.17	5.00	7.44	32.00	812.80	✓
4470-0600-100	6	152.40	6.73	170.94	2	75	5.17	5.00	7.44	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	✓
4470-0800-050	8	203.20	9.13	231.90	2	60	4.14	10.05	14.96	40.00	1016.00	✓

4425

HOT AIR BLOWER HOSE

TUBE: EPDM

REINFORCEMENT: Synthetic fabric with wire helix

COVER: EPDM, fabric impression, brown

BRANDING: Jason logo 4425 Hot Air 325°F WP 50 PSI 3.4 BAR
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.		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	
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	✓

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MATERIAL HANDLING HOSE

- 4322 1/8" TUBE DRY CEMENT, POWDER DISCHARGE HOSE**
- 4323 3/16" TUBE DRY CEMENT, POWDER DISCHARGE HOSE**
- 4324 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 4322, 4323 or 4324 Dry Bulk Discharge ID
 Tube WP 75 PSI 5.17 BAR 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.



1/8" TUBE THICKNESS

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	
4322-0400-100	4	101.60	4.48	113.79	2	75	5.17	1.60	2.38	40.00	1016.00	✓
4322-0500-100	5	127.00	5.46	138.68	2	75	5.17	1.88	2.80	50.00	1270.00	✓

3/16" TUBE THICKNESS

4323-0400-100	4	101.60	4.68	118.87	2	75	5.17	2.42	3.60	40.00	1016.00	✓
4323-0500-100	5	127.00	5.68	144.27	2	75	5.17	2.92	4.35	50.00	1270.00	✓

1/4" TUBE THICKNESS

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

4428

PLASTER AND GROUT HOSE

TUBE: Polybutadiene blend
REINFORCEMENT: Multi-ply of synthetic textile with static wire
COVER: NR/SBR abrasion resistant
BRANDING: Jason logo 4428 Plaster Grout WP 800PSI 55.2 BAR
 White Mylar Longitudinal Stripe
TEMPERATURE RANGE: -40°F (-40°C) to +158°F (+70°C)
FEATURES: Abrasion, ozone and weather resistant pin-pricked cover
APPLICATION: Used for spraying plaster, grout, sand and gypsum.
STANDARD LENGTHS: 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	
4428-0125-100	1-1/4	31.75	1.89	48.00	4	800	55.20	0.77	1.15	n/a	n/a	✓
4428-0150-100	1-1/2	38.10	2.20	56.00	4	800	55.20	1.07	1.59	n/a	n/a	✓
4428-0200-100	2	50.80	2.76	70.00	4	800	55.20	1.43	2.13	n/a	n/a	✓
4428-0250-100	2-1/2	63.50	3.31	84.00	4	800	55.20	1.73	2.58	n/a	n/a	✓

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MATERIAL HANDLING HOSE



4310

GUNITE HOSE

TUBE: 1/4" thick pure gum rubber, tan color
REINFORCEMENT: Synthetic fabric with static wire
COVER: EPDM, pin-pricked, tan
BRANDING: Jason logo 4310 Gunite 150 PSI 10.35 BAR
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	
4310-0150-050	1-1/2	38.10	2.38	60.33	2	150	10.35	1.10	1.64	15.00	380.00	✓
4310-0200-050	2	50.80	2.88	72.90	2	150	10.35	1.65	2.46	20.00	508.00	✓
4310-0250-050	2-1/2	63.50	3.88	98.30	2	150	10.35	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 grit.
 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	
4312-0050-050	1/2	12.70	1.00	25.40	2	150	10.35	0.31	0.46	5.00	127.00	✓
4312-0051-050	1/2	12.70	1.06	26.99	2	150	10.35	0.33	0.49	5.00	127.00	✓
4312-0052-050	1/2	12.70	1.13	28.58	2	150	10.35	0.38	0.57	5.00	127.00	✓
4312-0075-050	3/4	19.05	1.50	38.10	2	150	10.35	0.60	0.89	7.50	190.00	✓



MATERIAL HANDLING HOSE

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 150 PSI 10.35 BAR
White 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	10.35	0.83	1.24	10.00	254.00	✓
4313-0125-100	1-1/4	31.75	1.88	47.63	2	150	10.35	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 Sandblast WP 150 PSI 10.35 BAR
White 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. (ARPM)
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, 1", 1-1/4" and 1-1/2" available in 200 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	10.35	0.66	0.98	7.50	190.00	✓
4314-0075-100	3/4	19.05	1.50	38.10	4	150	10.35	0.66	0.98	7.50	190.00	✓
4314-0100-050	1	25.40	1.88	47.63	4	150	10.35	0.80	1.19	10.00	254.00	✓
4314-0100-100	1	25.40	1.88	47.63	4	150	10.35	0.80	1.19	10.00	254.00	✓
4314-0100-200	1	25.40	1.88	47.63	4	150	10.35	0.80	1.19	10.00	254.00	✓
4314-0125-050	1-1/4	31.75	2.16	53.18	4	150	10.35	1.04	1.55	12.60	320.00	✓
4314-0125-100	1-1/4	31.75	2.16	53.18	4	150	10.35	1.04	1.55	12.60	320.00	✓
4314-0125-200	1-1/4	31.75	2.16	53.18	4	150	10.35	1.04	1.55	12.60	320.00	✓
4314-0150-050	1-1/2	38.10	2.38	60.33	4	150	10.35	1.25	1.86	15.00	380.00	✓
4314-0150-100	1-1/2	38.10	2.38	60.33	4	150	10.35	1.25	1.86	15.00	380.00	✓
4314-0150-200	1-1/2	38.10	2.38	60.33	4	150	10.35	1.25	1.86	15.00	380.00	✓
4314-0200-050	2	50.80	2.88	73.03	4	150	10.35	1.45	2.16	20.00	508.00	✓
4314-0200-100	2	50.80	2.88	73.03	4	150	10.35	1.45	2.16	20.00	508.00	✓

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WATER HOSE



FOR THE TRANSFER OF WATER, WASHDOWN JETTING & IRRIGATION

Applications include the following:

- For suction, discharge or gravity flow of water in construction, mining, oil exploration, agriculture, quarries and equipment rental.
- For suction hydrofracking. Recycling or disposal of flowback water.
- Conveys cooling water to furnace doors in steel mills, glass plants and similar operations.
- General purpose discharge in construction, agriculture and drip irrigation.
- Used in general dewatering, pump discharge and draining.
- Suction, discharge or gravity flow of salt water and mild diluted acids in construction, agriculture, mining and equipment rental.
- Municipal washdown or hydrant-to-truck water supply line. Used for ship/deck washdown or fire brigade ship service.
- For use in underground mining fire hose applications.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



WATER HOSE

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 Suction WP XX PSI XX BAR
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.; 8" I.D. 20 ft. and 50 ft.; 10" and 12" I.D., 20 ft. 2", 3" and 4" also available in 200 ft. lengths

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.		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	
4450-0125-100	1-1/4	31.75	1.70	43.18	2	150	10.35	0.75	1.12	6.00	152.40	✓
4450-0150-100	1-1/2	38.10	1.96	49.78	2	150	10.35	0.80	1.19	6.50	165.10	✓
4450-0200-100	2	50.80	2.49	63.25	2	150	10.35	1.11	1.65	8.00	203.20	✓
4450-0200-200	2	50.80	2.49	63.25	2	150	10.35	1.11	1.65	8.00	203.20	✓
4450-0250-100	2-1/2	63.50	2.99	75.95	2	150	10.35	1.75	2.60	10.00	254.00	✓
4450-0300-100	3	76.20	3.50	88.90	2	150	10.35	2.24	3.33	12.00	304.80	✓
4450-0300-200	3	76.20	3.50	88.90	2	150	10.35	2.24	3.33	12.00	304.80	✓
4450-0400-100	4	101.60	4.53	115.06	2	150	10.35	2.79	4.15	18.00	457.20	✓
4450-0400-200	4	101.60	4.53	115.06	2	150	10.35	2.79	4.15	18.00	457.20	✓
4450-0500-100	5	127.00	5.68	144.27	2	150	10.35	3.25	4.84	26.00	660.40	✓
4450-0600-020	6	152.40	6.54	166.12	2	150	10.35	5.75	8.56	31.00	787.40	✓
4450-0600-050	6	152.40	6.54	166.12	2	150	10.35	5.75	8.56	31.00	787.40	✓
4450-0600-100	6	152.40	6.54	166.12	2	150	10.35	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	✓
4450-0800-050	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	3.10	16.75	24.93	72.00	1828.80	✓

4449

FRAC WATER SUCTION HOSE

TUBE & COVER: EPDM/SBR blend, smooth, black

REINFORCEMENT: Synthetic fabric with wire helix

BRANDING: Jason logo 4449 FRAC WATER SUCTION WP 75PSI 5.18 BAR
Red Mylar Longitudinal Stripe

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

FEATURES: Cover is abrasion and weather resistant. Flexible and economical.

APPLICATION: For suction, recycling or disposal of flowback water.

STANDARD LENGTHS: 100 ft.

VACUUM: All sizes 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	
4449-0200-100	2	50.80	2.40	60.96	2	75	5.17	0.97	1.44	8.00	203.20	✓
4449-0300-100	3	86.11	3.39	88.90	2	75	5.17	1.52	2.26	12.00	304.80	✓
4449-0400-100	4	101.60	4.41	112.01	2	75	5.17	2.12	3.15	18.00	457.20	✓
4449-0600-100	6	152.40	6.57	167.00	2	75	5.17	4.68	6.98	31.00	787.40	✓

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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 XX PSI XX BAR
Yellow 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" I.D. 100 ft.; 8", 10" and 12" I.D. 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	
4352-0150-100	1-1/2	38.10	1.81	45.97	2	150	10.35	0.60	0.89	15.00	380.00	✓
4352-0200-100	2	50.80	2.31	58.67	2	150	10.35	0.84	1.25	20.00	508.00	✓
4352-0250-100	2-1/2	63.50	2.75	69.85	2	150	10.35	0.91	1.35	25.00	635.00	✓
4352-0300-100	3	76.20	3.38	85.85	2	150	10.35	1.12	1.67	30.00	762.00	✓
4352-0400-100	4	101.60	4.37	111.00	2	150	10.35	1.25	1.86	40.00	1016.00	✓
4352-0500-100	5	127.00	5.51	139.95	2	150	10.35	2.29	3.41	50.00	1270.00	✓
4352-0600-100	6	152.40	6.50	165.10	2	150	10.35	3.45	5.13	60.00	1524.00	✓
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 XX PSI XX 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.		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	
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	✓

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WATER HOSE

4380

NON-CONDUCTIVE FURNACE DOOR 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	10.35	0.20	0.30	5.00	127.00	✓
4380-0075-100	3/4	19.05	1.19	30.23	2	150	10.35	0.30	0.45	7.50	190.00	✓
4380-0100-100	1	25.40	1.38	35.05	2	150	10.35	0.50	0.74	10.00	254.00	✓
4380-0125-100	1-1/4	31.75	1.75	44.45	2	150	10.35	0.90	1.34	12.60	320.00	✓
4380-0150-100	1-1/2	38.10	2.00	50.80	2	150	10.35	1.00	1.49	15.00	380.00	✓
4380-0200-100	2	50.80	2.53	64.26	2	150	10.35	1.10	1.64	20.00	508.00	✓

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4502

BLUE PVC WATER DISCHARGE HOSE

TUBE: Blue PVC

REINFORCEMENT: Polyester yarn

COVER: Blue PVC

BRANDING: Jason logo WP XX (PSI) ID

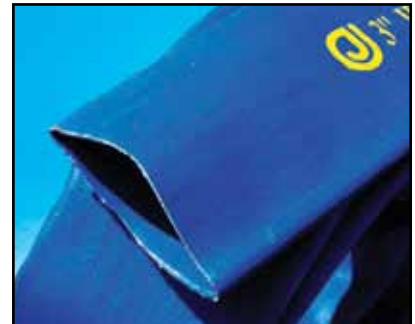
TEMPERATURE RANGE: -14°F (-26°C) to +150°F (+66°C)

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.; 1-1/2", 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	
4502-1000	1	25.40	0.056	1.42	1	85	5.86	0.10	0.15	n/a	n/a	✓
4502-1500	1-1/2	38.10	0.056	1.42	1	85	5.86	0.21	0.31	n/a	n/a	✓
4502-1500-050	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	✓
4502-2000-050	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	✓
4502-3000-050	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 BLUE PVC WATER DISCHARGE HOSE ASSEMBLIES

STANDARD LENGTHS: 50 ft.
CUT • COUPLED • COILED • TIED



Part Number	Coupling	ID x Length	Max W.P.		Weight (Ea.)		Stock Item
			PSI	BAR	lb./ft.	KG/m	
4502-1500-050AB	1-1/2" AB Pin Lug (M x F)	1-1/2" x 50'	85	5.86	9	13.3	✓
4502-2000-050AB	2" AB Pin Lug (M x F)	2" x 50'	85	5.86	12	17.8	✓
4502-3000-050AB	3" AB Pin Lug (M x F)	3" x 50'	70	4.83	22	32.6	✓
4502-1500-050CE	1-1/2" Aluminum Cam Lock (C x E)	1-1/2" x 50'	85	5.86	9	13.3	✓
4502-2000-050CE	2" AL Cam Lock (C x E)	2" x 50'	85	5.86	12	17.8	✓
4502-3000-050CE	3" AL Cam Lock (C x E)	3" x 50'	70	4.83	22	32.6	✓
4502-1500-050CEP	1-1/2" Polypropylene Cam Lock (C x E)	1-1/2" x 50'	85	5.86	9	13.3	✓
4502-2000-050CEP	2" Polypropylene Cam Lock (C x E)	2" x 50'	85	5.86	12	17.8	✓
4502-3000-050CEP	3" Polypropylene Cam Lock (C x E)	3" x 50'	70	4.83	22	32.6	✓

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WATER HOSE

4504

WINE RED PVC WATER DISCHARGE HOSE MEDIUM DUTY

TUBE & COVER: Wine Red PVC

REINFORCEMENT: Polyester yarn

BRANDING: Jason logo ID WP XX (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.



300 FT.

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	
4504-1500	1-1/2	38.10	0.076	1.93	n/a	115	7.93	0.21	0.31	n/a	n/a	✓
4504-2000	2	50.80	0.076	1.93	n/a	115	7.93	0.25	0.37	n/a	n/a	✓
4504-2500	2-1/2	63.50	0.079	2.01	n/a	115	7.93	0.29	0.43	n/a	n/a	✓
4504-3000	3	76.20	0.081	2.01	n/a	100	6.89	0.39	0.58	n/a	n/a	✓
4504-4000	4	101.60	0.062	2.06	n/a	100	6.89	0.60	0.89	n/a	n/a	✓
4504-6000	6	152.40	0.112	2.84	n/a	75	5.17	1.15	1.71	n/a	n/a	✓
4504-8000	8	203.20	0.124	3.15	n/a	60	4.14	1.20	1.79	n/a	n/a	✓

4504

WINE RED PVC WATER DISCHARGE HOSE ASSEMBLIES MEDIUM DUTY

STANDARD LENGTHS: 50 ft.

CUT • COUPLED • COILED • TIED



Part Number	Coupling	ID x Length	Max W.P.		Weight (Ea.)		Stock Item
			PSI	BAR	lb./ft.	KG/m	
4504-2000-050AB	2"AB Pin Lug (M x F)	2" x 50'	115	7.93	12	17.8	✓
4504-3000-050AB	3"AB Pin Lug (M x F)	3" x 50'	100	6.89	22	32.6	✓
4504-2000-050CE	2"Aluminum Cam Lock (C x E)	2" x 50'	115	7.93	12	17.8	✓
4504-3000-050CE	3"Aluminum Cam Lock (C x E)	3" x 50'	100	6.89	22	32.6	✓

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5823 MAINSTREAM™ PRESSURE WASHER ASSEMBLIES

TUBE: Special synthetic rubber
REINFORCEMENT: 1 Wire Braid
COVER: Special synthetic rubber, oil, weather and abrasion resistant
BRANDING: Jason logo 3/8 Mainstream™ - Pressure Washer - 3000 PSI
 MAX WP Not For Steam Service
TEMPERATURE RANGE: -40°F (-40°C) to +212°F (+100°C)
FEATURES: Handles working pressures up to 3,000 PSI. Can be used with hot or cold water and mild detergents. Ergonomic bend restrictors are included with each assembly. Available in the popular 50' and 75' lengths.
APPLICATION: Used in clean-up applications for poultry plants, dairies, off-road equipment, paper mills, construction, homes and patios to name a few.



Part Number	Coupling	ID x Length	Max W.P.		Weight (Ea.)		Stock Item
			PSI	BAR	lb./ft.	KG/m	
5823-06-050	3/8" MNPT x 3/8" MSPT w/ Ergonomic Bend Restrictor Each End	3/8" x 50'	3000	206.7	10.02	14.94	✓
5823-06-075	3/8" MNPT x 3/8" MSPT w/ Ergonomic Bend Restrictor Each End	3/8" x 75'	3000	206.7	15.48	23.08	✓

4515 RED PVC WATER DISCHARGE HOSE HEAVY DUTY

TUBE & COVER: Bright Red PVC
REINFORCEMENT: Polyester yarn
BRANDING: None
TEMPERATURE RANGE: -14°F (-26°C) to +150°F (+66°C)
FEATURES: Homogeneous construction eliminates tube and cover separation. Reinforced with polyester yarn. Both tube and cover are extruded simultaneously to achieve maximum bonding. Rolls flat for storage.
APPLICATION: For water discharge in construction, mining, agriculture and heavy duty equipment rental.
STANDARD LENGTHS: 300 ft.



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	
4515-1500	1-1/2	38.10	0.090	2.29	1	140	9.65	0.22	0.32	n/a	n/a	✓
4515-2000	2	50.80	0.090	2.29	1	130	8.96	0.26	0.38	n/a	n/a	✓
4515-2500	2-1/2	63.50	0.098	2.49	1	125	8.61	0.30	0.44	n/a	n/a	✓
4515-3000	3	76.20	0.098	2.49	1	125	8.61	0.40	0.59	n/a	n/a	✓
4515-4000	4	102.40	0.110	2.79	1	125	8.61	0.62	0.91	n/a	n/a	✓
4515-6000	6	152.40	0.111	2.82	1	115	7.92	1.18	1.75	n/a	n/a	✓
4515-8000	8	204.80	0.111	2.82	1	70	4.82	1.23	1.83	n/a	n/a	✓

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WATER HOSE

4358 NITRILE/PVC OIL RESISTANT DISCHARGE HOSE - YELLOW

4359 NITRILE/PVC OIL RESISTANT DISCHARGE HOSE - BLACK

TUBE: NBR/PVC

REINFORCEMENT: N/A

COVER: NBR/PVC Ribbed - Yellow or Black

BRANDING: None

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

FEATURES: Oil resistant tube and cover. Resists heat, cold, abrasion, ozone and UV. Lightweight and flexible.

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

STANDARD LENGTHS: 50 ft. or 100 ft. Longer lengths available upon request.



4358 SERIES

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	
4358-0075-050	3/4	38.10	0.110	2.79	n/a	250	17.24	0.10	0.15	n/a	n/a	✓
4358-0075-100	3/4	38.10	0.110	2.79	n/a	250	17.24	0.10	0.15	n/a	n/a	✓
4358-0100-050	1	25.40	0.110	2.79	n/a	250	17.24	0.14	0.21	n/a	n/a	✓
4358-0100-100	1	25.40	0.110	2.79	n/a	250	17.24	0.14	0.21	n/a	n/a	✓
4358-0150-050	1-1/2	38.10	0.110	2.79	n/a	250	17.24	0.26	0.39	n/a	n/a	✓
4358-0150-100	1-1/2	38.10	0.110	2.79	n/a	250	17.24	0.26	0.39	n/a	n/a	✓
4358-0200-050	2	50.80	0.110	2.79	n/a	250	17.24	0.34	0.51	n/a	n/a	✓
4358-0200-100	2	50.80	0.110	2.79	n/a	250	17.24	0.34	0.51	n/a	n/a	✓
4358-0250-050	2-1/2	63.50	0.110	2.79	n/a	250	17.24	0.47	0.70	n/a	n/a	✓
4358-0250-100	2-1/2	63.50	0.110	2.79	n/a	250	17.24	0.47	0.70	n/a	n/a	✓
4358-0300-050	3	76.20	0.110	2.79	n/a	250	17.24	0.65	0.97	n/a	n/a	✓
4358-0300-100	3	76.20	0.110	2.79	n/a	250	17.24	0.65	0.97	n/a	n/a	✓
4358-0400-050	4	102.40	0.110	2.79	n/a	200	17.24	0.83	1.24	n/a	n/a	✓
4358-0400-100	4	102.40	0.110	2.79	n/a	200	17.24	0.83	1.24	n/a	n/a	✓
4358-0600-050	6	152.40	0.110	2.79	n/a	150	13.78	1.60	2.39	n/a	n/a	✓
4358-0600-100	6	152.40	0.110	2.79	n/a	150	13.78	1.60	2.39	n/a	n/a	✓
4358-0800-050	8	204.80	0.110	2.79	n/a	150	13.78	2.30	3.43	n/a	n/a	✓
4358-0800-100	8	204.80	0.110	2.79	n/a	150	13.78	2.30	3.43	n/a	n/a	✓

4359 SERIES

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	
4359-0075-050	3/4	38.10	0.110	2.79	n/a	250	17.24	0.10	0.15	n/a	n/a	✓
4359-0075-100	3/4	38.10	0.110	2.79	n/a	250	17.24	0.10	0.15	n/a	n/a	✓
4359-0100-050	1	25.40	0.110	2.79	n/a	250	17.24	0.14	0.21	n/a	n/a	✓
4359-0100-100	1	25.40	0.110	2.79	n/a	250	17.24	0.14	0.21	n/a	n/a	✓
4359-0150-050	1-1/2	38.10	0.110	2.79	n/a	250	17.24	0.26	0.39	n/a	n/a	✓
4359-0150-100	1-1/2	38.10	0.110	2.79	n/a	250	17.24	0.26	0.39	n/a	n/a	✓
4359-0200-050	2	50.80	0.110	2.79	n/a	250	17.24	0.34	0.51	n/a	n/a	✓
4359-0200-100	2	50.80	0.110	2.79	n/a	250	17.24	0.34	0.51	n/a	n/a	✓
4359-0250-050	2-1/2	63.50	0.110	2.79	n/a	250	17.24	0.47	0.70	n/a	n/a	✓
4359-0250-100	2-1/2	63.50	0.110	2.79	n/a	250	17.24	0.47	0.70	n/a	n/a	✓
4359-0300-050	3	76.20	0.110	2.79	n/a	250	17.24	0.65	0.97	n/a	n/a	✓
4359-0300-100	3	76.20	0.110	2.79	n/a	250	17.24	0.65	0.97	n/a	n/a	✓
4359-0400-050	4	102.40	0.110	2.79	n/a	200	17.24	0.83	1.24	n/a	n/a	✓
4359-0400-100	4	102.40	0.110	2.79	n/a	200	17.24	0.83	1.24	n/a	n/a	✓
4359-0600-050	6	152.40	0.110	2.79	n/a	150	13.78	1.60	2.39	n/a	n/a	✓
4359-0600-100	6	152.40	0.110	2.79	n/a	150	13.78	1.60	2.39	n/a	n/a	✓
4359-0800-050	8	204.80	0.110	2.79	n/a	150	13.78	2.30	3.43	n/a	n/a	✓
4359-0800-100	8	204.80	0.110	2.79	n/a	150	13.78	2.30	3.43	n/a	n/a	✓

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

We disclaim any liability for use of our products in applications other than which they are designed.

4601 4615

GREEN PVC WATER SUCTION HOSE 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 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 oily water in construction, agriculture, mining or equipment rental.

STANDARD LENGTHS: 3/4" to 4" - 100 ft. lengths; 6" - 50 ft. lengths

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.		O.D.		Rein.	Max W.P.		Weight		Min. Bend Radius		Stock Item
		in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
GREEN	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	✓
4601-6050	6	152.40	6.46	164.08	PVC Helix	50	3.45	2.89	4.30	31.00	787.40	✓	
CLEAR	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	✓
	4615-6050	6	152.40	6.46	164.08	PVC Helix	50	3.45	2.89	4.30	31.00	787.40	✓

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WATER HOSE

4703

HEAVY DUTY DJ MILL DISCHARGE HOSE

TUBE: SBR, smooth, black

REINFORCEMENT: N/A

COVER: 100% polyester double jacket

BRANDING: Service Pressure 300 PSI

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.		Cplng Bowl		Rein. Plies	Serv. Press.		Test Press.		Weight		Min. Bend Rad.		Stock Item
		in.	mm.	in.	mm.		PSI	BAR	PSI	BAR	lb./ft.	KG/m	in.	mm	
50 FT.	4703-1500	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	✓
	4703-2000	2	50.80	2.50	58.74	n/a	300	20.68	600	41.36	0.33	0.49	n/a	n/a	✓
	4703-2500	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	✓
100 FT.	4703-1501	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	✓
	4703-2001	2	50.80	2.50	58.74	n/a	300	20.68	600	41.36	0.33	0.49	n/a	n/a	✓
	4703-2501	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	✓

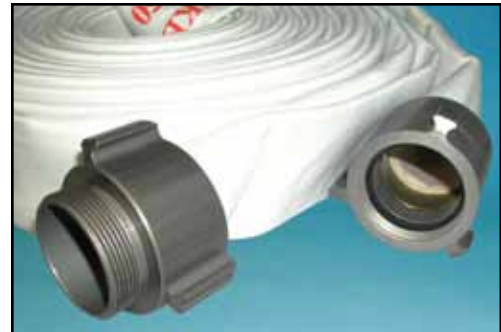
4703 HEAVY DUTY DJ MILL DISCHARGE ASSEMBLIES

STANDARD LENGTHS: 50 ft.

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

CUT • COUPLED • COILED • TIED

NOTE: Assembly is rated at 150 PSI



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

Replacement washers (HW Series) can be found on page 67.

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

We disclaim any liability for use of our products in applications other than which they are designed.

4705 MUNICIPAL GRADE SJ MILL DISCHARGE HOSE

TUBE: SBR, smooth
REINFORCEMENT: N/A
COVER: 100% polyester single jacket
BRANDING: I.D. SJ Mill WP XX (PSI) XX (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.		Cplng Bowl		Rein. Plies	W.P.		Burst Press.		Weight		Min. Bend Rad.		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	PSI	BAR	lb./ft.	KG/m	in.	mm	
4705-0150-050	1-1/2	38.10	1.81	46.04	n/a	230	15.86	345	23.79	0.23	0.34	n/a	n/a	✓
4705-0150-100	1-1/2	38.10	1.81	46.04	n/a	230	15.86	345	23.79	0.23	0.34	n/a	n/a	✓
4705-0200-050	2	50.80	2.31	58.74	n/a	230	15.86	345	23.79	0.28	0.42	n/a	n/a	✓
4705-0200-100	2	50.80	2.31	58.74	n/a	230	15.86	345	23.79	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	300	20.68	0.39	0.58	n/a	n/a	✓
4705-0250-100	2-1/2	63.50	2.81	71.44	n/a	200	13.79	300	20.68	0.39	0.58	n/a	n/a	✓
4705-0300-050	3	76.20	3.38	85.73	n/a	200	13.79	300	20.68	0.50	0.74	n/a	n/a	✓
4705-0300-100	3	76.20	3.38	85.73	n/a	200	13.79	300	20.68	0.50	0.74	n/a	n/a	✓
4705-0400-050	4	101.60	4.38	111.13	n/a	200	13.79	300	20.68	0.66	0.98	n/a	n/a	✓
4705-0400-100	4	101.60	4.38	111.13	n/a	200	13.79	300	20.68	0.66	0.98	n/a	n/a	✓
4705-0600-050	6	152.40	6.38	161.93	n/a	200	13.79	300	20.68	1.00	1.49	n/a	n/a	✓
4705-0600-100	6	152.40	6.38	161.93	n/a	200	13.79	300	20.68	1.00	1.49	n/a	n/a	✓

4705 MUNICIPAL GRADE SJ MILL DISCHARGE ASSEMBLIES

STANDARD LENGTHS: 50 ft.

CUT • COUPLED • COILED • TIED

NOTE: Assembly is rated at 150 PSI

Replacement washers (HW Series) can be found on page 67.



Part Number	Description	I.D. x Length	Max W.P.		Weight		Stock Item
			PSI	BAR	lb./ft.	KG/m	
4705-0150-050AB	CPLD M x F AB Pin Lug w/5/8" Bands	1-1/2" x 50'	230	15.86	8	11.9	✓
4705-0200-050AB	CPLD M x F AB Pin Lug w/5/8" Bands	2" x 50'	230	15.86	12	17.8	✓
4705-0300-050AB	CPLD M x F AB Pin Lug w/5/8" Bands	3" x 50'	200	15.86	22	32.8	✓
4705-0150-050CE	CPLD M x F 1-1/2" AL Cam Lock (C x E)	1-1/2" x 50'	230	15.86	8	11.9	✓
4705-0200-050CE	CPLD M x F 2" AL Cam Lock (C x E)	2" x 50'	230	15.86	12	17.8	✓
4705-0300-050CE	CPLD M x F 3" AL Cam Lock (C x E)	3" x 50'	200	15.86	22	32.8	✓
4705-0150-050ERNPS	CPLD ER NPSH Anodized Aluminum	1-1/2" x 50'	230	15.86	8	11.9	
4705-0250-050ERNPS	CPLD ER NPSH Anodized Aluminum	2-1/2" x 50'	200	13.79	17	25.3	
4705-0150-050ERNST	CPLD ER NST Anodized Aluminum	1-1/2" x 50'	230	15.86	8	11.9	
4705-0250-050ERNST	CPLD ER NST Anodized Aluminum	2-1/2" x 50'	200	13.79	17	25.3	

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

We disclaim any liability for use of our products in applications other than which they are designed.



WATER HOSE

4735

MSHA FIRE HOSE

TUBE: CR

REINFORCEMENT: N/A

COVER: Polyester

BRANDING: Jason logo 300 PSI Test, MSHA # 18-FHA08001

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

FEATURES: 100% polyester jacket, free from defects, twists, knots and irregularities. Couplings are anodized aluminum M x F expansion ring with rocker lugs. Hose is fire resistant to MSHA 18-FHA08001.

APPLICATION: Underground mining fire hose

STANDARD LENGTHS: 50 ft. and 100 ft.



Part Number	I.D.		Coupling Description	Rein. Plies	Serv. Press.		Test Press.		Weight		Min. Bend Rad.		Stock Item
	in.	mm.			PSI	BAR	PSI	BAR	lb./ft.	KG/m	in.	mm	
4735-0150-050ERNPS	1-1/2	38.10	NPS EXP Ring	n/a	300	20.68	900	62.04	0.23	0.34	n/a	n/a	✓
4735-0150-050ERNST	1-1/2	38.10	NST EXP Ring	n/a	300	20.68	900	62.04	0.23	0.34	n/a	n/a	✓
4735-0150-100ERNPS	1-1/2	38.10	NPS EXP Ring	n/a	300	20.68	900	62.04	0.23	0.34	n/a	n/a	✓
4735-0150-100ERNST	1-1/2	38.10	NST EXP Ring	n/a	300	20.68	900	62.04	0.23	0.34	n/a	n/a	✓

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SPRAY HOSE



FOR DUST CONTROL IN UNDERGROUND MINING

Applications include the following:

- For dust control in underground water spray operations.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



SPRAY HOSE

4182

MSHA MINE SPRAY HOSE

- TUBE:** SBR, smooth, black
REINFORCEMENT: Two steel wire plies
COVER: CR, fabric impression, pin-pricked, yellow
BRANDING: Jason logo 4182 Mine Spray MSHA IC-215/0
 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	
4182-0075-050	3/4	19.05	1.22	30.99	2	1000	68.95	0.60	0.89	8.30	210.00	✓
4182-0075-100	3/4	19.05	1.22	30.99	2	1000	68.95	0.60	0.89	8.30	210.00	✓
4182-0100-050	1	25.40	1.49	37.85	2	1000	68.95	0.80	1.19	11.00	280.00	✓
4182-0100-100	1	25.40	1.49	37.85	2	1000	68.95	0.80	1.19	11.00	280.00	✓
4182-0125-050	1-1/4	31.75	1.81	45.97	2	1000	68.95	1.05	1.56	14.00	355.00	✓
4182-0125-100	1-1/4	31.75	1.81	45.97	2	1000	68.95	1.05	1.56	14.00	355.00	✓
4182-0150-050	1-1/2	38.10	2.04	51.82	2	1000	68.95	1.24	1.85	16.50	420.00	✓
4182-0150-100	1-1/2	38.10	2.04	51.82	2	1000	68.95	1.24	1.85	16.50	420.00	✓
4182-0200-050	2	50.80	2.60	66.04	2	1000	68.95	1.80	2.68	22.00	560.00	✓
4182-0200-100	2	50.80	2.60	66.04	2	1000	68.95	1.80	2.68	22.00	560.00	✓

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STEAM HOSE



FOR THE TRANSFER OF SATURATED STEAM

Applications include the following:

- For conveying steam in chemical/petroleum, food, lumber, pulp and processing industries.
- For use in severe environmental conditions, such as refineries, chemical plants and shipyards to convey steam.



Hoses are constantly being upgraded. Jason Industrial reserves the right to make changes in construction without prior notice.



STEAM HOSE

4815

EPDM STEAM HOSE

TUBE: EPDM, black

REINFORCEMENT: Steel wire

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

BRANDING: Jason logo 4815 EPDM WP 250 PSI 17.25 BAR

DRAIN AFTER USE. Reverse 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. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4815-0050-050	1/2	12.70	1.00	25.40	2	250	17.25	0.40	0.60	5.90	150.00	✓
4815-0050-100	1/2	12.70	1.00	25.40	2	250	17.25	0.40	0.60	5.90	150.00	✓
4815-0075-050	3/4	19.05	1.25	31.75	2	250	17.25	0.51	0.76	8.30	210.00	✓
4815-0075-100	3/4	19.05	1.25	31.75	2	250	17.25	0.51	0.76	8.30	210.00	✓
4815-0100-050	1	25.40	1.50	38.10	2	250	17.25	0.67	1.00	11.00	280.00	✓
4815-0100-100	1	25.40	1.50	38.10	2	250	17.25	0.67	1.00	11.00	280.00	✓
4815-0125-050	1-1/4	31.75	1.81	46.04	2	250	17.25	0.87	1.29	14.00	355.00	✓
4815-0125-100	1-1/4	31.75	1.81	46.04	2	250	17.25	0.87	1.29	14.00	355.00	✓
4815-0150-050	1-1/2	38.10	2.13	54.61	2	250	17.25	1.11	1.65	16.50	420.00	✓
4815-0150-100	1-1/2	38.10	2.13	54.61	2	250	17.25	1.11	1.65	16.50	420.00	✓
4815-0200-050	2	50.80	2.64	67.07	2	250	17.25	1.80	2.68	22.00	560.00	✓
4815-0200-100	2	50.80	2.64	67.07	2	250	17.25	1.80	2.68	22.00	560.00	✓
4815-0300-050	3	76.20	3.81	96.84	2	250	17.25	3.17	4.72	30.00	762.00	✓
4815-0300-100	3	76.20	3.81	96.84	2	250	17.25	3.17	4.72	30.00	762.00	✓

WARNING: Do Not Use Universal Couplings with Steam Hose.

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STEAM HOSE



4818

BROMOBUTYL STEAM HOSE

TUBE: Bromobutyl, black

REINFORCEMENT: Steel wire

COVER: EPDM, red, pin-pricked

BRANDING: Jason logo 4818 Steam BIIR WP 250 PSI 17.24 BAR
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. Spirals	Max W.P.		Weight		Min. Bend Radius		Stock Item
	in.	mm.	in.	mm.		PSI	BAR	lb./ft.	KG/m	in.	mm	
4818-0050-050	1/2	12.70	1.00	25.40	2	250	17.24	0.40	0.60	5.90	150.00	
4818-0050-100	1/2	12.70	1.00	25.40	2	250	17.24	0.40	0.60	5.90	150.00	✓
4818-0075-050	3/4	19.05	1.25	31.75	2	250	17.24	0.51	0.76	8.30	210.00	✓
4818-0075-100	3/4	19.05	1.25	31.75	2	250	17.24	0.51	0.76	8.30	210.00	✓
4818-0100-050	1	25.40	1.50	38.10	2	250	17.24	0.67	1.00	11.00	280.00	✓
4818-0100-100	1	25.40	1.50	38.10	2	250	17.24	0.67	1.00	11.00	280.00	✓

WARNING: Do Not Use Universal Couplings with Steam Hose.

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SKIRTBOARD RUBBER



FOR USE ON CONVEYORS, SNOW PLOW BLADES & CHUTE LINING

Applications include the following:

- Used as a conveyor skirtboard or belt wiper.
- For mounting pads, sealing strips, flapping or general construction and industrial use where abrasion resistance is important.
- For sand and shot blast curtains, scraper stock, bumper stock and chute lining.
- For street sweepers, snow plow blades and general industrial padding and gasketing.



SKIRTBOARD RUBBER



SKIRTBOARD RUBBER

6341 SKIRTBOARD RUBBER SQUARE EDGE

- 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
- Temperature Range: -20°F (-29°C) to +180°F (+83°C)



PART NUMBER	GAUGE		WIDTH		ROLL LENGTH		WEIGHT 50 FT. ROLL (lbs.)	STOCK ITEM
	(in.)	(mm.)	(in.)	(mm.)	(ft.)	(M)		
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	✓
6341-0848	1/4"	6.35	48	1219.20	50	15.24	388	✓
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	✓
6341-1248	3/8"	9.53	48	1219.20	50	15.24	580	✓
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	✓
6341-1648	1/4"	12.70	48	1219.20	50	15.24	760	✓
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	✓
6341-2448	3/4"	19.05	48	1219.20	50	15.24	1100	✓
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	✓
6341-3248	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.

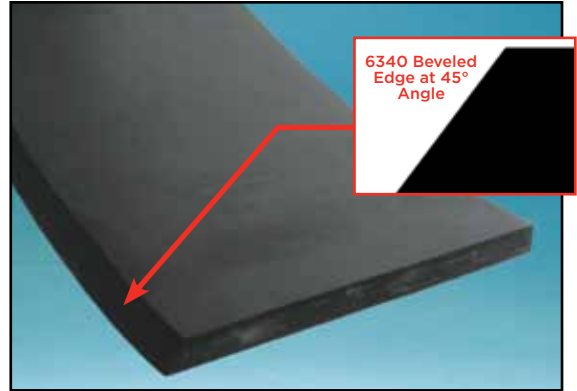
We disclaim any liability for use of our products in applications other than which they are designed.



SKIRTBOARD RUBBER

6340 SKIRTBOARD RUBBER BEVELED EDGE

- Abrasion and Weather Resistant
- 55-60 Durometer
- 1,000 PSI Tensile Strength, 300% Elongation
- Cut Widths (Not Extruded)
- Use with conveyor belt for fine material
- Temperature Range: -20°F (-29°C) to +180°F (+83°C)



PART NUMBER	GAUGE		WIDTH		ROLL LENGTH		WEIGHT 50 FT. ROLL (lbs.)	STOCK ITEM
	(in.)	(mm.)	(in.)	(mm.)	(ft.)	(M)		
6340-1204	3/8"	9.53	4	101.60	50	15.24	46	✓
6340-1205	3/8"	9.53	5	127.00	50	15.24	58	✓
6340-1206	3/8"	9.53	6	152.40	50	15.24	73	✓
6340-1208	3/8"	9.53	8	203.20	50	15.24	82	✓
6340-1604	1/2"	12.70	4	101.60	50	15.24	60	✓
6340-1605	1/2"	12.70	5	127.00	50	15.24	75	✓
6340-1606	1/2"	12.70	6	152.40	50	15.24	97	✓
6340-1608	1/2"	12.70	8	203.20	50	15.24	109	✓
6340-1610	1/2"	12.70	10	254.00	50	15.24	150	✓

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COUPLINGS & ACCESSORIES



The value of a hose is enhanced by the proper selection of couplings.

Couplings attach to the end of the hose to facilitate connection to a pressure source. In order to make the transition successful, the coupling termination must provide a leak-proof seal and the hose/coupling interface must be properly matched.

SAFETY WARNING - Because the hose/coupling interface is critical to the hose assembly performance, always follow the specific instructions of the hose and coupling manufacturers regarding the match of hose/fittings and assembly procedures. Trained personnel using proper tools and procedures should make the hose assemblies. Failure to follow the manufacturers' instructions or failure to use trained personnel might be dangerous and could result in damage to property and serious bodily injury.

Jason offers a wide range of couplings & accessories that complement the hose line and the markets they serve.

COUPLINGS INCLUDE:

- Crimp Cam and Groove Couplings
- Crimp Combination Nipples
 - Sleeves
 - Ferrules
- Standard Cam and Groove Couplings
 - Anti-Leak C & G Couplings
 - Reducing C & G Couplings
 - Tank Truck API Adapters, Caps & Couplers
- Universal Couplings
- Ground Joint Couplings
- Sandblast Hose Couplings
- Locking Lever Pump Couplings
- Combination Hose Nipples

ACCESSORIES INCLUDE:

- Clamps - Interlocking & Double Bolt
- Brass Ball Valves
- Foot Valves
- Nozzles
- Wrenches
- Strainers for Water Suction Hose
- Strainers for Oil & Gas Drilling
- Sight Glasses



CRIMP COUPLINGS, FERRULES & SLEEVES

JASON CRIMP METHODOLOGY

This section of the catalog will introduce you to the "New Jason Crimp Methodology" for industrial hose and couplings. We believe that crimping offers a far superior assembly method for the following reasons:

- There is more retention along the shank or barb. More retention means a significant decrease in possible leaks.
- Provides a much higher safety factor than what bands can provide.
- No sharp edges. Banded assemblies can have four or more sharp edges that create the possibility that the assembler could be hurt.
- A crimped ferrule or sleeve has smooth edges which make it safe to handle and a better look to the overall assembly.
- The shank lengths of our cam and groove fittings are a match with the sleeves and ferrules. This creates better retention than banded or swaged assemblies and helps to avoid damage to the tube and/or cover.



Please do not mix Jason Industrial couplings with other products. We cannot recommend working pressures or crimp specifications for non-Jason parts. Please follow the safety recommendations as published in the NAHAD Industrial Hose Assembly Specification Guidelines.

We recommend that you refer to the NAHAD Industrial Hose Assembly Specification Guidelines for industry-accepted practices for assembling hoses and couplings, which include hydrostatic testing. Please note that Jason couplings, ferrules and sleeves are designed to work together.

Please do not mix and match with other products.

RECOMMENDED WORKING PRESSURES

Size	Combination Nipples		Cam & Groove	
	Sleeve	Ferrule	Sleeve	Ferrule
1-1/2"	300	350	250	250
2"	250	300	250	250
3"	200	300	125	150
4"	175	300	110	150

Working pressures are given in pounds per square inch (PSI) at 70°F ambient temperature.

PLEASE NOTE: The working pressure of an assembly is equal to the component with the least working pressure.

CAM & GROOVE CRIMP COUPLINGS

All Cam & Groove Fittings are Aluminum

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.



Part Number	Size (in.)	Shank O.D.		Serrations	Stem OD	
		(in.)	(mm)		(in.)	(mm)
C150AC	1-1/2	1.535	39.0	10	1.54	39.0
C200AC	2	2.027	51.5	12	2.03	51.5
C250AC	2-1/2	2.527	64.2	15	2.53	64.2
C300AC	3	3.031	77.0	14	3.03	77.0
C400AC	4	4.035	102.5	15	4.04	102.5
C600AC	6	6.047	153.6	22	6.05	153.6

PART E MALE ADAPTER x HOSE SHANK

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



Part Number	Size (in.)	Shank O.D.		Serrations	Stem OD	
		(in.)	(mm)		(in.)	(mm)
E150AC	1-1/2	1.535	39.0	10	1.54	39.0
E200AC	2	2.027	51.5	12	2.03	51.5
E250AC	2-1/2	2.527	64.2	15	2.53	64.2
E300AC	3	3.031	77.0	14	3.03	77.0
E400AC	4	4.035	102.5	15	4.04	102.5
E600AC	6	6.047	153.6	22	6.05	153.6

COMBINATION HOSE NIPPLES MALE ADAPTER x HOSE SHANK

Combination Nipples are used in a variety of fluid applications. End (male) threads are NPT Will mate with Foot Valves, Strainers, Cam & Groove Part A & D, etc. and are the same size as the shank.



Part Number	Size (in.)	Stem OD	
		(in.)	(mm)
CN150PC	1-1/2	1.54	39.0
CN200PC	2	2.03	51.5
CN250PC	2-1/2	2.53	64.2
CN300PC	3	3.03	77.0
CN400PC	4	4.04	102.5
CN600PC	6	6.05	153.6



CRIMP COUPLINGS, FERRULES & SLEEVES

Jason Ferrules and Sleeves are designed to be used with Jason Combination Hose Nipples and the Part "C" and "E" Cam & Groove fittings (crimp style only). For crimp O.D.'s, please refer to pages 57 to 59.

Working pressures are determined by the type of hose and coupling used in the application.

DO NOT mix with other products.

*Please Note - for any hose with a natural rubber tube, we recommend using a ferrule only. During the crimping process, couplings have a tendency to be squeezed out of proper crimp position if a crimp sleeve is being used.

CRIMP FERRULES (Plated Steel)

Warning - Do not use in steam applications



NOMENCLATURE

Ferrule Part Number

212F20P

212 = 2-12/16" Ferrule I.D.

F = Ferrule

20 = 2" Hose I.D.

P = Plated Steel

PLATED STEEL

Hose Size	Part No.	Ferrule I.D.	Hose Size	Part No.	Ferrule I.D.	Hose Size	Part No.	Ferrule I.D.
1-1/2"	115F15P	1-15/16"	2"	214F20P	2-14/16"	3"	315F30P	3-15/16"
1-1/2"	200F15P	2"	2"	215F20P	2-15/16"	3"	400F30P	4"
1-1/2"	201F15P	2-1/16"	2-1/2"	302F25P	3-2/16"	4"	409F40P	4-9/16"
1-1/2"	202F15P	2-2/16"	2-1/2"	303F25P	3-3/16"	4"	410F40P	4-10/16"
1-1/2"	203F15P	2-3/16"	2-1/2"	304F25P	3-4/16"	4"	411F40P	4-11/16"
1-1/2"	204F15P	2-4/16"	2-1/2"	305F25P	3-5/16"	4"	412F40P	4-12/16"
1-1/2"	205F15P	2-5/16"	2-1/2"	307F25P	3-7/16"	4"	413F40P	4-13/16"
1-1/2"	206F15P	2-6/16"	3"	308F30P	3-8/16"	4"	414F40P	4-14/16"
2"	208F20P	2-8/16"	3"	309F30P	3-9/16"	4"	415F40P	4-15/16"
2"	209F20P	2-9/16"	3"	310F30P	3-10/16"	4"	500F40P	5"
2"	210F20P	2-10/16"	3"	311F30P	3-11/16"	6"	610F60P	6-10/16"
2"	211F20P	2-11/16"	3"	312F30P	3-12/16"	6"	614F60P	6-14/16"
2"	212F20P	2-12/16"	3"	313F30P	3-13/16"	6"	702F60P	7-2/16"
2"	213F20P	2-13/16"	3"	314F30P	3-14/16"	6"	706F60P	7-6/16"

STAINLESS STEEL*

Hose Size	Part No.	Ferrule I.D.	Hose Size	Part No.	Ferrule I.D.	Hose Size	Part No.	Ferrule I.D.
1-1/2"	115F15S	1-15/16"	2"	214F20S	2-14/16"	3"	315F30S	3-15/16"
1-1/2"	200F15S	2"	2"	215F20S	2-15/16"	3"	400F30S	4"
1-1/2"	201F15S	2-1/16"	2-1/2"	302F25S	3-2/16"	4"	409F40S	4-9/16"
1-1/2"	202F15S	2-2/16"	2-1/2"	303F25S	3-3/16"	4"	410F40S	4-10/16"
1-1/2"	203F15S	2-3/16"	2-1/2"	304F25S	3-4/16"	4"	411F40S	4-11/16"
1-1/2"	204F15S	2-4/16"	2-1/2"	305F25S	3-5/16"	4"	412F40S	4-12/16"
1-1/2"	205F15S	2-5/16"	2-1/2"	307F25S	3-7/16"	4"	413F40S	4-13/16"
1-1/2"	206F15S	2-6/16"	3"	308F30S	3-8/16"	4"	414F40S	4-14/16"
2"	208F20S	2-8/16"	3"	309F30S	3-9/16"	4"	415F40S	4-15/16"
2"	209F20S	2-9/16"	3"	310F30S	3-10/16"	4"	500F40S	5"
2"	210F20S	2-10/16"	3"	311F30S	3-11/16"	6"	610F60S	6-10/16"
2"	211F20S	2-11/16"	3"	312F30S	3-12/16"	6"	614F60S	6-14/16"
2"	212F20S	2-12/16"	3"	313F30S	3-13/16"	6"	702F60S	7-2/16"
2"	213F20S	2-13/16"	3"	314F30S	3-14/16"	6"	706F60S	7-6/16"

*Consult Jason Industrial customer service for availability.

See Page 55 for Ferrule/Sleeve Wall Thickness

We disclaim any liability for use of our products in applications other than which they are designed.

CRIMP COUPLINGS, FERRULES & SLEEVES



CRIMP SLEEVES (Plated Steel)

Warning - Do not use in steam applications



NOMENCLATURE

Ferrule Part Number = 305S25P

305 = 3-5/16" Sleeve I.D.

S = Sleeve

25 = 2-1/2" Hose I.D.

P = Plated Steel

CRIMP SLEEVES (Aluminum)*

Warning - Do not use in steam applications

PLATED STEEL	Hose Size	Part No.	Sleeve I.D.	Hose Size	Part No.	Sleeve I.D.	Hose Size	Part No.	Sleeve I.D.
	1-1/2"	115S15P	1-15/16"	2"	214S20P	2-14/16"	3"	315S30P	3-15/16"
	1-1/2"	200S15P	2"	2"	215S20P	2-15/16"	3"	400S30P	4"
	1-1/2"	201S15P	2-1/16"	2-1/2"	302S25P	3-2/16"	4"	409S40P	4-9/16"
	1-1/2"	202S15P	2-2/16"	2-1/2"	303S25P	3-3/16"	4"	410S40P	4-10/16"
	1-1/2"	203S15P	2-3/16"	2-1/2"	304S25P	3-4/16"	4"	411S40P	4-11/16"
	1-1/2"	204S15P	2-4/16"	2-1/2"	305S25P	3-5/16"	4"	412S40P	4-12/16"
	1-1/2"	205S15P	2-5/16"	2-1/2"	307S25P	3-7/16"	4"	413S40P	4-13/16"
	1-1/2"	206S15P	2-6/16"	3"	308S30P	3-8/16"	4"	414S40P	4-14/16"
	2"	208S20P	2-8/16"	3"	309S30P	3-9/16"	4"	415S40P	4-15/16"
2"	209S20P	2-9/16"	3"	310S30P	3-10/16"	4"	500S40P	5"	
2"	210S20P	2-10/16"	3"	311S30P	3-11/16"	6"	610S60P	6-10/16"	
2"	211S20P	2-11/16"	3"	312S30P	3-12/16"	6"	614S60P	6-14/16"	
2"	212S20P	2-12/16"	3"	313S30P	3-13/16"	6"	702S60P	7-2/16"	
2"	213S20P	2-13/16"	3"	314S30P	3-14/16"	6"	706S60P	7-6/16"	

ALUMINUM*	Hose Size	Part No.	Sleeve I.D.	Hose Size	Part No.	Sleeve I.D.	Hose Size	Part No.	Sleeve I.D.
	2"	207S20A	2-7/16"	3"	310S30A	3-10/16"	4"	412S40A	4-12/16"
	2"	208S20A	2-8/16"	3"	311S30A	3-11/16"	4"	413S40A	4-13/16"
	2"	209S20A	2-9/16"	3"	312S30A	3-12/16"	4"	414S40A	4-14/16"
	2"	210S20A	2-10/16"	3"	313S30A	3-13/16"	4"	415S40A	4-15/16"
	2"	211S20A	2-11/16"	3"	314S30A	3-14/16"	4"	500S40A	5"
	2"	212S20A	2-12/16"	3"	315S30A	3-15/16"	4"	501S40A	5-1/16"
	2"	213S20A	2-13/16"	3"	400S30A	4"	4"	502S40A	5-2/16"
	2"	214S20A	2-14/16"	3"	401S30A	4-1/16"	6"	608S60A	6-8/16"
	2"	215S20A	2-15/16"	4"	409S40A	4-9/16"	6"	610S60A	6-10/16"
2"	300S20A	3"	4"	410S40A	4-10/16"	6"	612S60A	6-12/16"	
3"	308S30A	3-8/16"	4"	411S40A	4-11/16"	6"	614S60A	6-14/16"	
3"	309S30A	3-9/16"							

*Consult Jason Industrial customer service for availability.

FERRULE OR SLEEVE WALL THICKNESS

Hose ID	Sleeve or Ferrule Wall	
	(in.)	(mm)
1-1/2"	0.06	1.52
2"	0.06	1.52
2-1/2"	0.06	1.52
3"	0.09	2.29
4"	0.09	2.29
6"	0.12	3.05

All sizes may not be stocked in all locations. Check with customer service for availability.
 We disclaim any liability for use of our products in applications other than which they are designed.



CRIMPING SPECIFICATIONS

ASSEMBLY PROCEDURE RECOMMENDATIONS

The following three pages will list the crimp OD's for 1-1/2" to 6" ID hoses. These crimp OD's are guides only. We recommend that you accurately measure the dimensions of each hose, test each assembly and document everything.

It is difficult to establish ironclad standards because of the many variables in hose construction. Hardwall versus softwall construction, corrugated versus smooth cover and differing compounds all play a part in the difficulty of establishing crimp-specific OD's.

Once again, do not mix other manufacturer's products (hose, ferrule, sleeve or coupling) with Jason Industrial products.

Before doing any assembly work, please do the following steps:

1. Make sure each hose end is cut square. Clean any debris from the tube interior.
2. Before the coupling is installed, check for any burrs or sharp edges. This will make the coupling insertion easier and prevent inner tube damage.
3. **This next step is vital!** Measure the wall thickness in at least three different locations on each end. Take the average of the measurements to determine the wall thickness for that end.
 - a. Never try to enlarge the tube to make it easier to insert the coupling - this could result in tearing the tube. Lubrication should only be used if necessary.
 - b. There is no need to buff the cover of the hose.
4. The fitting shank should be inserted into the hose to where the last serration is covered. Inserting past this point does not help hose/coupling retention. Do not insert hose against the stop on cam & groove parts C & E. The hose will extrude during the crimping process and will fill in that space.
5. Check the charts on the next three pages for the hose ID and find the correct crimp OD.
6. If a static charge needs to be maintained, then bend the helical wires inside the hose tube. Slide the sleeve or ferrule onto the hose. Insert the shank and complete the assembly.
7. In petroleum tank truck applications, it is recommended that the ends be sealed. After crimping, the ends will be exposed and will require a chloroprene cement to accomplish the seal.
8. Jason Industrial recommends that ferrules **ONLY** be used when crimping a hose with a natural rubber tube. These hoses have a tendency to squeeze out of the fitting during the crimping process.
9. Each assembly should be hydrostatically tested to two times the working pressure, unless otherwise specified by the customer. Otherwise, please refer to the NAHAD Assembly Guidelines industry-accepted guidelines for hose assembly practices.
10. Non-sparking materials like brass or aluminum should be used if the assembly is conveying flammable liquids.

Please do not mix Jason Industrial couplings with other products. We cannot recommend working pressures or crimp specifications for non-Jason parts. Please follow the safety recommendations as published in the NAHAD Industrial Hose Assembly Specification Guidelines.

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CRIMPING SPECIFICATIONS



CRIMPING SPECIFICATIONS

Hose I.D. (in.)	Hose I.D. (mm)	Ferrule/ Sleeve Part No.	Ferrule/ Sleeve I.D.		Ferrule/ Sleeve Length		Hose Wall Range				Wall Thickness		Crimp O.D.	
			(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
1 1/2	38.10	115F15P 115S15P	1.94	49.23	2.36	60.00	0.148	3.76	0.203	5.15	0.148	3.75	1.86	47.23
											0.156	3.96	1.87	47.52
											0.164	4.17	1.88	47.83
											0.172	4.37	1.90	48.16
											0.180	4.57	1.91	48.41
											0.188	4.78	1.92	48.77
											0.195	4.95	1.94	49.23
											0.203	5.16	1.945	49.40
											0.211	5.36	1.95	49.61
											0.219	5.56	1.97	50.01
1 1/2	38.10	200F16P 200S15P	2.00	50.80	2.36	60.00	0.211	5.36	0.234	5.94	0.211	5.36	1.95	49.61
											0.219	5.56	1.97	50.01
											0.227	5.77	1.98	50.39
1 1/2	38.10	201F15P 201S15P	2.06	52.40	2.36	60.00	0.242	6.150	0.260	6.76	0.234	5.94	2.00	50.80
											0.242	6.15	2.00	50.80
											0.250	6.35	2.02	51.28
1 1/2	38.10	202F15P 202S15P	2.13	53.97	2.36	60.00	0.273	6.93	0.297	7.54	0.258	6.55	2.03	51.59
											0.266	6.76	2.04	51.92
											0.273	6.93	2.06	52.22
1 1/2	38.10	203F15P 203S15P	2.18	55.58	2.36	60.00	0.305	7.75	0.328	8.33	0.281	7.14	2.07	52.53
											0.289	7.34	2.08	52.86
											0.297	7.54	2.09	53.16
1 1/2	38.10	204F15P 204S15P	2.25	57.15	2.36	60.00	0.336	8.53	0.359	9.12	0.305	7.75	2.11	53.47
											0.313	7.95	2.12	53.80
											0.320	8.13	2.13	54.10
1 1/2	38.10	205F15P 205S15P	2.31	58.67	2.36	60.00	0.362	9.32	0.391	9.93	0.328	8.33	2.14	54.41
											0.336	8.53	2.16	54.74
											0.344	8.74	2.17	55.04
1 1/2	38.10	206F15P 206S15P	2.38	60.32	2.36	60.00	0.398	10.11	0.422	10.72	0.352	8.94	2.18	55.35
											0.359	9.12	2.19	55.68
											0.367	9.32	2.20	55.98
2	50.80	208F20P 208S20P	2.50	63.50	2.79	70.80	0.180	4.57	0.234	5.94	0.375	9.53	2.22	56.31
											0.383	9.73	2.23	56.62
											0.391	9.93	2.24	56.92
											0.398	10.11	2.25	57.24
											0.406	10.31	2.27	57.55
											0.414	10.52	2.28	57.87
											0.422	10.72	2.29	58.18
											0.180	4.57	2.41	61.16
											0.188	4.77	2.42	61.47
											0.195	4.95	2.43	61.79
2	50.80	209F20P 209S20P	2.56	65.10	2.79	70.80	0.242	6.15	0.266	6.76	0.203	5.16	2.44	62.10
											0.211	5.36	2.46	62.41
											0.219	5.56	2.47	62.73
2	50.80	210F20P 210S20P	2.63	66.70	2.79	70.80	0.273	6.93	0.297	7.54	0.227	5.77	2.48	63.04
											0.234	5.94	2.49	63.36
											0.242	6.15	2.50	63.67
2	50.80	211F20P 211S20P	2.69	68.30	2.79	70.80	0.305	7.74	0.328	8.33	0.250	6.35	2.52	63.98
											0.258	6.55	2.53	64.30
											0.266	6.76	2.54	64.61
2	50.80	212F20P 212S20P	2.75	69.90	2.79	70.80	0.336	8.53	0.359	9.12	0.273	6.93	2.55	64.92
											0.281	7.14	2.57	64.24
											0.289	7.34	2.58	65.55
2	50.80	213F20P 213S20P	2.81	71.40	2.79	70.80	0.367	9.32	0.391	9.93	0.297	7.54	2.59	65.86
											0.305	7.74	2.60	66.18
											0.313	7.95	2.62	66.49
2	50.80	214F20P 214S20P	2.87	73.00	2.79	70.80	0.398	10.11	0.422	10.72	0.320	8.13	2.63	66.80
											0.328	8.33	2.64	67.12
											0.336	8.53	2.65	67.43
2	50.80	215F20P 215S20P	2.56	65.10	2.94	74.60	0.430	10.92	0.453	11.51	0.344	8.74	2.67	67.74
											0.352	8.94	2.68	68.06
											0.359	9.12	2.69	68.37
											0.367	9.32	2.70	68.69
											0.375	9.52	2.72	69.00
											0.383	9.73	2.73	69.31
											0.391	9.93	2.74	69.63
											0.398	10.11	2.75	69.94
											0.406	10.31	2.76	70.25
											0.414	10.51	2.78	70.57
											0.422	10.72	2.79	70.88
											0.430	10.92	2.80	71.19
											0.438	11.12	2.82	71.51
											0.445	11.30	2.83	71.82
											0.453	11.51	2.84	72.13

± Recommended crimp % reduction is 20% for all sizes. This is a guide only. Crimp reductions can range from 18-25% and will vary from crimper to crimper. Please consult the NAHAD Industrial Hose Assembly Guidelines. The information that is provided here is based on a 72° F (+22° C) environment.



CRIMPING SPECIFICATIONS

CRIMPING SPECIFICATIONS

Hose I.D.		Ferrule Sleeve Part No.	Ferrule/ Sleeve I.D.		Ferrule/ Sleeve Length		Hose Wall Range				Wall Thickness		Crimp O.D.	
(in.)	(mm)		(in.)	(mm)	(in.)	(mm)	From (in.)	(mm)	To (in.)	(mm)	(in.)	(mm)	(in.)	(mm)
2 1/2	63.50	302F25P 302S25P	3.06	77.80	3.11	79.00	0.242	6.15	0.297	7.54	0.242	6.15	3.01	76.37
											0.250	6.35	3.02	76.69
											0.258	6.55	3.03	77.00
											0.266	6.76	3.04	77.31
											0.274	6.96	3.06	77.63
											0.281	7.14	3.07	77.94
											0.289	7.34	3.08	78.26
0.297	7.54	3.09	78.57											
2 1/2	63.50	303F25P 303S25P	3.19	81.00	3.11	79.00	0.305	7.75	0.328	8.33	0.305	7.75	3.10	78.88
											0.313	7.95	3.12	79.20
											0.320	8.13	3.13	79.51
											0.328	8.33	3.14	79.82
2 1/2	63.50	304F25P 304S25P	3.19	81.00	3.11	79.00	0.336	8.53	0.360	9.14	0.336	8.53	3.15	80.14
											0.344	8.74	3.22	81.70
											0.352	8.94	3.23	82.02
											0.360	9.14	3.24	82.33
2 1/2	63.50	305F25P 305S25P	3.19	81.00	3.11	79.00	0.367	9.32	0.391	9.93	0.367	9.32	3.21	81.53
											0.375	9.53	3.22	81.79
											0.383	9.73	3.23	82.04
											0.391	9.93	3.24	82.30
2 1/2	63.50	307F25P 307S25P	3.19	81.00	3.11	79.00	0.400	10.16	0.453	11.51	0.400	10.16	3.25	82.55
											0.406	10.31	3.27	83.06
											0.414	10.52	3.28	83.31
											0.422	10.72	3.29	83.57
											0.430	10.92	3.31	84.07
											0.438	11.13	3.32	84.33
											0.445	11.30	3.33	84.58
0.453	11.51	3.34	84.84											
3	76.20	308F30P 308S30P	3.50	88.90	3.94	100.00	0.180	4.57	0.203	5.16	0.180	4.57	3.45	87.63
											0.188	4.78	3.47	88.14
											0.196	4.98	3.48	88.39
											0.203	5.16	3.49	88.65
3	76.20	309F30P 309S30P	3.56	90.50	3.94	100.00	0.211	5.36	0.266	6.76	0.211	5.36	3.50	88.98
											0.219	5.56	3.52	89.30
											0.227	5.77	3.53	89.61
											0.234	5.94	3.54	89.92
											0.242	6.15	3.55	90.24
											0.250	6.35	3.56	90.55
											0.258	6.55	3.58	90.86
0.266	6.76	3.59	91.18											
3	76.20	310F30P 310S30P	3.63	92.10	3.94	100.00	0.273	6.93	0.297	7.54	0.273	6.93	3.60	91.49
											0.281	7.14	3.61	91.81
											0.289	7.34	3.63	92.12
											0.297	7.54	3.64	92.43
3	76.20	311F30P 311S30P	3.69	93.70	3.94	100.00	0.305	7.75	0.328	8.33	0.305	7.75	3.65	92.75
											0.313	7.95	3.66	93.06
											0.320	8.13	3.68	93.37
											0.328	8.33	3.69	93.69
3	76.20	312F30P 312S30P	3.75	95.30	3.94	100.00	0.336	8.53	0.359	9.12	0.336	8.53	3.70	94.00
											0.344	8.74	3.71	94.31
											0.352	8.94	3.73	94.63
											0.359	9.12	3.74	94.94
3	76.20	313F30P 313S30P	3.81	96.80	3.94	100.00	0.367	9.32	0.391	9.93	0.367	9.32	3.75	95.25
											0.375	9.53	3.76	95.57
											0.383	9.73	3.77	95.88
											0.391	9.93	3.79	96.19
3	76.20	314F30P 314S30P	3.87	98.40	3.94	100.00	0.398	10.11	0.422	10.72	0.398	10.11	3.80	96.51
											0.406	10.31	3.81	96.82
											0.414	10.52	3.82	97.14
											0.422	10.72	3.84	97.45
3	76.20	315F30P 315S30P	3.94	100.00	3.94	100.00	0.430	10.92	0.453	11.51	0.430	10.92	3.85	97.76
											0.438	11.13	3.86	98.08
											0.445	11.30	3.87	98.39
											0.453	11.51	3.88	98.70
3	76.20	400F30P 400S30P	4.00	101.60	3.94	100.00	0.461	11.71	0.484	12.29	0.461	11.71	3.90	99.02
											0.469	11.91	3.91	99.33
											0.477	12.12	3.92	99.64
											0.484	12.29	3.94	99.96

± Recommended crimp % reduction is 20% for all sizes. This is a guide only. Crimp reductions can range from 18-25% and will vary from crimper to crimper. Please consult the NAHAD Industrial Hose Assembly Guidelines. The information that is provided here is based on a 72° F (+22° C) environment.

We disclaim any liability for use of our products in applications other than which they are designed.

CRIMPING SPECIFICATIONS



CRIMPING SPECIFICATIONS

Hose I.D. (in.) (mm)	Ferrule Sleeve Part No.	Ferrule/ Sleeve I.D. (in.) (mm)	Ferrule/ Sleeve Length (in.) (mm)	Hose Wall Range		Wall Thickness		Crimp O.D.					
				From (in.) (mm)	To (in.) (mm)	(in.) (mm)	(in.) (mm)	(in.) (mm)	(in.) (mm)				
4	409F40P 409S40P	4.56	115.90	4.19	106.40	0.211	5.36	0.266	6.76	0.211	5.36	4.50	114.38
										0.219	5.56	4.52	114.70
										0.227	5.77	4.53	115.01
										0.234	5.94	4.54	115.32
										0.242	6.15	4.55	115.64
										0.250	6.35	4.56	115.95
										0.258	6.55	4.58	116.26
										0.266	6.76	4.59	116.58
										0.273	6.93	4.60	116.89
										0.281	7.14	4.61	117.21
										0.289	7.34	4.63	117.52
										0.297	7.54	4.64	117.83
										0.305	7.75	4.65	118.15
										0.313	7.95	4.66	118.46
										0.320	8.13	4.68	118.77
4	410F40P 410S40P	4.62	117.35	4.19	106.40	0.273	6.93	0.297	7.54	0.273	6.93	4.60	116.89
										0.281	7.14	4.61	117.21
										0.289	7.34	4.63	117.52
										0.297	7.54	4.64	117.83
										0.305	7.75	4.65	118.15
										0.313	7.95	4.66	118.46
										0.320	8.13	4.68	118.77
										0.328	8.33	4.69	119.09
										0.336	8.53	4.70	119.40
										0.344	8.74	4.71	119.71
										0.352	8.94	4.73	120.03
										0.359	9.12	4.74	120.34
										0.367	9.32	4.75	120.65
										0.375	9.53	4.76	120.97
										0.383	9.73	4.77	121.28
4	411F40P 411S40P	4.69	119.10	4.19	106.40	0.305	7.75	0.328	8.33	0.305	7.75	4.65	118.15
										0.313	7.95	4.66	118.46
										0.320	8.13	4.68	118.77
										0.328	8.33	4.69	119.09
										0.336	8.53	4.70	119.40
										0.344	8.74	4.71	119.71
										0.352	8.94	4.73	120.03
										0.359	9.12	4.74	120.34
										0.367	9.32	4.75	120.65
										0.375	9.53	4.76	120.97
										0.383	9.73	4.77	121.28
										0.391	9.93	4.79	121.59
										0.398	10.11	4.80	121.91
										0.406	10.31	4.81	122.22
										0.414	10.52	4.82	122.54
4	412F40P 412S40P	4.75	120.70	4.19	106.40	0.336	8.53	0.359	9.12	0.336	8.53	4.70	119.40
										0.344	8.74	4.71	119.71
										0.352	8.94	4.73	120.03
										0.359	9.12	4.74	120.34
										0.367	9.32	4.75	120.65
										0.375	9.53	4.76	120.97
										0.383	9.73	4.77	121.28
										0.391	9.93	4.79	121.59
										0.398	10.11	4.80	121.91
										0.406	10.31	4.81	122.22
										0.414	10.52	4.82	122.54
										0.422	10.72	4.84	122.85
										0.430	10.92	4.85	123.16
										0.438	11.13	4.86	123.48
										0.445	11.30	4.87	123.79
4	413F40P 413S40P	4.81	122.20	4.19	106.40	0.367	9.32	0.391	9.93	0.367	9.32	4.75	120.65
										0.375	9.53	4.76	120.97
										0.383	9.73	4.77	121.28
										0.391	9.93	4.79	121.59
										0.398	10.11	4.80	121.91
										0.406	10.31	4.81	122.22
										0.414	10.52	4.82	122.54
										0.422	10.72	4.84	122.85
										0.430	10.92	4.85	123.16
										0.438	11.13	4.86	123.48
										0.445	11.30	4.87	123.79
										0.453	11.51	4.89	124.10
										0.461	11.71	4.90	124.42
										0.469	11.91	4.91	124.73
										0.477	12.12	4.92	125.04
0.484	12.29	4.94	125.36										
6	610F60P 610S60P	6.63	168.28	5.67	144.00	0.211	5.36	0.297	7.54	0.211	5.36	6.57	166.96
										0.219	5.56	6.59	167.27
										0.227	5.77	6.60	167.59
										0.234	5.94	6.61	167.90
										0.242	6.15	6.62	168.22
										0.250	6.35	6.64	168.53
										0.258	6.55	6.65	168.84
										0.266	6.76	6.66	169.16
										0.273	6.93	6.67	169.47
										0.281	7.14	6.68	169.78
										0.289	7.34	6.70	170.10
										0.297	7.54	6.71	170.4
										0.305	7.75	6.72	170.72
										0.313	7.95	6.73	171.04
										0.320	8.13	6.75	171.35
6	614F60P 614S60P	6.88	174.63	5.67	144.00	0.305	7.75	0.422	10.72	0.305	7.75	6.72	170.72
										0.313	7.95	6.73	171.04
										0.320	8.13	6.75	171.35
										0.328	8.33	6.76	171.66
										0.336	8.53	6.77	171.98
										0.344	8.74	6.78	172.29
										0.352	8.94	6.80	172.60
										0.359	9.12	6.81	172.92
										0.367	9.32	6.82	173.23
										0.375	9.53	6.83	173.55
										0.383	9.73	6.84	173.86
										0.391	9.93	6.86	174.17
										0.398	10.11	6.87	174.49
										0.406	10.31	6.88	174.80
										0.414	10.52	6.89	175.11
0.422	10.72	6.91	175.43										
6	702F60P 702S60P	6.88	174.63	5.67	144.00	0.430	10.92	0.547	13.89	0.430	10.92	6.92	175.77
										0.438	11.13	6.93	176.02
										0.445	11.30	6.94	176.28
										0.453	11.51	6.96	176.78
										0.461	11.71	6.97	177.04
										0.469	11.91	6.98	177.29
										0.477	12.12	6.99	177.55
										0.485	12.32	7.01	178.05
										0.492	12.50	7.02	178.31
										0.500	12.70	7.03	178.56
										0.508	12.90	7.04	178.82
										0.516	13.11	7.05	179.07
										0.523	13.28	7.07	179.58
										0.531	13.49	7.08	179.83
										0.539	13.69	7.09	180.09
0.547	13.89	7.10	180.34										
6	706F60P 706S60P	6.88	174.63	5.67	144.00	0.555	14.10	0.672	17.07	0.555	14.10	7.12	180.85
										0.563	14.30	7.13	181.10
										0.570	14.48	7.14	181.36
										0.578	14.68	7.15	181.61
										0.586	14.88	7.17	182.12
										0.594	15.09	7.18	182.37
										0.602	15.29	7.19	182.63
										0.610	15.49	7.20	182.88
										0.617	15.67	7.21	183.13
										0.625	15.88	7.23	183.64
										0.633	16.08	7.24	183.90
										0.641	16.28	7.25	184.15
										0.648	16.46	7.27	184.66
										0.656	16.66	7.28	184.91
										0.665	16.89	7.29	185.17
0.672	17.07	7.30	185.42										

± Recommended crimp % reduction is 20% for all sizes. This is a guide only. Crimp reductions can range from 18-25% and will vary from crimper to crimper. Please consult the NAHAD Industrial Hose Assembly Guidelines. The information that is provided here is based on a 72° F (+22° C) environment.



CAM & GROOVE COUPLINGS

Separate parts provide unique, quick coupling hose connections for liquids or solids. All parts (3/4" to 6", not including the 5" OD) are manufactured to comply with 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 are 304 stainless steel. 5" parts are made to ASTM specifications. **Anodized hardcoat couplings are available. Contact Jason Customer Service for details.**

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

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	

- 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.

PART A MALE ADAPTER x FEMALE THREAD

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



Size	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
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**				
8	A801A**				

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	PART NUMBER				Black SCH.80 Polypropylene
	Aluminum	304 Stainless	316 Stainless	Brass	
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**				
8	B801A**				

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

**See Page 63 for interchange.

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CAM & 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.

**DO NOT
CRIMP WITH
FERRULES**



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**				
8	C801A**				

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**				
8	D801A**				

PART E MALE ADAPTER x HOSE SHANK

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

**DO NOT
CRIMP WITH
FERRULES**



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**				
8	E801A**				

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CAM & 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**				
8	F801A**				

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**				
8	DC801A**				

PART DP DUST PLUG

Fits male adapters.



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**				
8	DP801A**				

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CAM & GROOVE COUPLINGS



SERIES 800 & SERIES 801 8" CAM & GROOVE INTERCHANGE

There has always been a problem with interchangeability with 8" cam and groove couplings. Jason now introduces the **801 SERIES** in addition to the current line to solve that problem. Below you will see how the **800** and **801** Series match up:

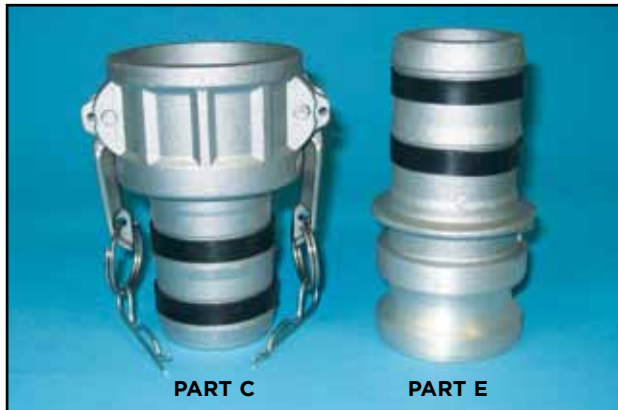
800 Series Interchanges with: PT Domestic, Kuriyama of America	
Jason Part Numbers	
A800A	E800A
B800A	F800A
C800A	DC800A
D800A	DP800A

801 Series Interchanges with: Dixon Andrews, NECO, Evertite/APG, PT Import	
Jason Part Numbers	
A801A	E801A
*B801A	*F801A
C801A	*DC801A
D801A	*DP801A

*Check with customer service for availability.

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.
1-1/2" Part C	C150ALF
2" Part C	C200ALF
3" Part C	C300ALF
1-1/2" Part E	E150ALF
2" Part E	E200ALF
3" Part E	E300ALF

REPLACEMENT BANDS - NITRILE

ID	1-1/2"	2"	3"	4"	6"
Part No.	RB15NBR	RB20NBR	RB30NBR	RB40NBR	RB60NBR

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
1-1/2	DCL150A	DCL150S
2	DCL200A	DCL200S
2-1/2	DCL250A	DCL250S
3	DCL300A	DCL300S
4	DCL400A	DCL400S
6	DCL600A	DCL600S

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CAM & GROOVE COUPLINGS

REDUCING CAM & GROOVE COUPLINGS AND ADAPTERS

A



Adapter x Female NPT

Size	Aluminum	Stainless Steel
2 x 1-1/2	A2015A	
2 x 3	A2030A	
3 x 2	A3020A	
4 x 3	A4030A	
4 x 6	A4060A	
6 x 4	A6040A	

D



Coupler x Female NPT

Size	Aluminum	Stainless Steel
1-1/2 x 1	D1510A	
2 x 1-1/2	D2015A	
3 x 2	D3020A	
4 x 2	*D4020A	

B



Coupler x Male NPT

Size	Aluminum	Stainless Steel
1-1/2 x 2	B1520A	
2 x 1-1/2	B2015A	
3 x 2	B3020A	
3 x 4	B3040A	
4 x 3	B4030A	

E



Adapter x Hose Shank

Size	Aluminum	Stainless Steel
3 x 2	E3020A	
4 x 3	E4030A	

C



Coupler x Hose Shank

Size	Aluminum	Stainless Steel
2 x 1-1/2	C2015A	
3 x 2	C3020A	
3 x 4	C3040A	
4 x 3	C4030A	

F



Adapter x Male NPT

Size	Aluminum	Stainless Steel
2 x 1-1/2	F2015A	
2 x 3	F2030A	
3 x 2	F3020A	
3 x 4	F3040A	

AA



Adapter x Adapter

Size	Aluminum	Stainless Steel
2 x 2	AA2020A	AA2020S
2 x 4	AA2040A	
3 x 3	AA3030A	AA3030S
3 x 4	AA3040A	AA3040S
4 x 4	AA4040A	AA4040S

DA



Coupler x Adapter

Size	Aluminum	Stainless Steel
1-1/2 x 1	*DA1510A	
1-1/2 x 2	DA15210A	
2 x 1-1/2	DA2015A	
2 x 3	DA2030A	DA2030S
3 x 2	DA3020A	DA3020S
3 x 2-1/2	*DA3025A	
3 x 4	DA3040A	
4 x 3	DA4030A	DA4030S
4 x 6	DA4060A	
6 x 4	DA6040A	DA6040S

DD



Coupler x Coupler

Size	Aluminum	Stainless Steel
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	
4 x 4	DD4040A	

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*Contact Jason customer service for availability.

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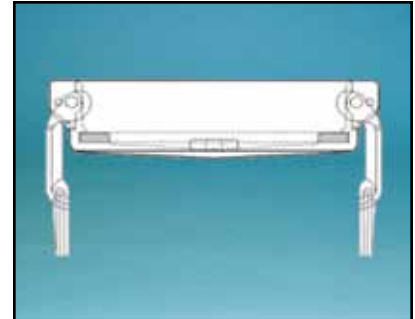
CAM & GROOVE COUPLINGS



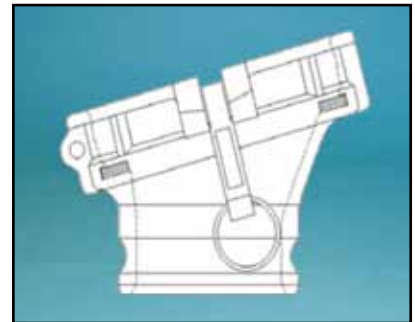
TANK TRUCK API ADAPTERS, CAPS & COUPLERS

For offloading through the API adapter and coupler.

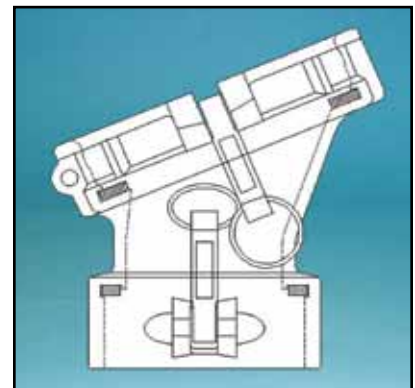
Size	Part No.	Description	Material
4"	DC400ATC	API Dust Cap	Aluminum
4"	DC400PPTC	API Dust Cap	Polypropylene



Size	Part No.	Description	Material
4" x 3"	DA4030ATC	4" API Coupler x 3" Adapter	Aluminum
4" x 4"	DA4040ATC	4" API Coupler x 4" Adapter	Aluminum



Size	Part No.	Description	Material
4" x 4"	DD4040ATC	4" API Coupler x 4" Coupler	Aluminum



Size	Part No.	Description	Material
4"	G400NBRTC	Gasket for 4" API Coupler	Nitrile

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CAM & GROOVE COUPLINGS

REPLACEMENT GASKETS FOR CAM & 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	S075E	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 & GROOVE COUPLINGS

	1	1-1/4	1-1/2	2	2-1/2	3
BRASS	HRP10B	HRP12B	HRP15B	HRP20B	HRP25B	HRP30B
STAINLESS STEEL	HRP10S	HRP12S	HRP15S	HRP20S	HRP25S	HRP30S
LOCK OUT STAINLESS			LHP150S	LHP200S	LHP250S	LHP300S

	4	6	8
BRASS	HRP40B	HRP60B	HRP80B
STAINLESS STEEL	HRP40S	HRP60S	
LOCK OUT STAINLESS	LHP400S	LHP600S	

ACCESSORIES FOR CAM & GROOVE COUPLINGS

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

PIN LUG COUPLINGS



Threaded couplings for suction or discharge of water or other fluids. Standard threading is NPSM; National Pipe Straight Mechanical. 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
1-1/2	NPSM	AB150
1-1/2	NST	AB150NST
2	NPSM	AB200
2-1/2	NPSM	AB250
2-1/2	NST	AB250NST
3	NPSM	AB300
4	NPSM	AB400
6	NPSM	AB600

Iron Pin Lug Couplings available by special order.

FEMALE PIN LUG SHANK COUPLINGS



Size	Thread	Aluminum W Brass Swivel
1-1/2	NPSM	AB150F
1-1/2	NST	AB150NSTF
2	NPSM	AB200F
2-1/2	NPSM	AB250F
2-1/2	NST	AB250NSTF
3	NPSM	AB300F
4	NPSM	AB400F
6	NPSM	AB600F

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 NUMBER	HW150	HW150NST	HW200	HW250	HW250NST	HW300	HW400	HW600

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

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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.

WARNING: 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

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UNIVERSAL AIR COUPLINGS



UNIVERSAL AIR COUPLINGS - 4 LUG



HOSE END

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



FEMALE END

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

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

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



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



FEMALE 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.

Hose Size*	Part No.
1/2	GFS050
3/4	GFS075
1	GFS100
1-1/4	GFS125
1-1/2	GFS150
2	GFS200
2-1/2	GFS250
3	GFS300
4	GFS400



DOUBLE SPUD



MALE SPUD

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

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SANDBLAST HOSE 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 or brass. Hose ends are also available in Iron.



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	Quick End			Nozzle Holder	
		Aluminum	Brass	Iron	Aluminum	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	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.
We disclaim any liability for use of our products in applications other than which they are designed.



LOCKING LEVER PUMP COUPLINGS

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



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INTERLOCKING 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

OD Range				Number Of Bolts	Torque lbs./ft.	Part No.	Ref No.
From In.	Decimal	To In.	Decimal				
11/16	0.69	3/4	0.75	2	6	2BS038	CD
15/16	0.94	1-1/16	1.06	2	12	2BC050	B4
1	1.00	1-1/8	1.13	2	12	2BS050	A4
1-1/16	1.06	1-3/16	1.19	2	12	2BC051	B5
1-1/8	1.13	1-5/16	1.31	2	21	2BS075	A9
1-3/16	1.19	1-5/16	1.31	2	21	2BC075	BU9
1-5/16	1.31	1-1/2	1.50	2	21	2BC076	B9
1-1/2	1.50	1-11/16	1.69	2	21	2BC077	B10
1-17/32	1.53	1-23/32	1.72	4	21	4BC100	BU14
1-13/32	1.41	1-9/16	1.56	4	21	4BC100A	156
1-7/8	1.88	2-1/16	2.06	4	21	4BC102	B15
2-1/16	2.06	2-1/4	2.25	4	40	4BC125	B19
2-3/32	2.09	2-9/32	2.28	4	40	4BC150	BU24
2-1/4	2.25	2-7/16	2.44	4	40	4BC151	B24
2-1/2	2.50	2-25/32	2.78	4	60	4BC200	BU29
3-3/32	3.09	3-7/16	3.44	4	60	4BC202	B30
3-1/2	3.50	3-15/16	3.94	4	150	4BC250	B34
3-13/16	3.81	4-3/16	4.19	4	150	4BC300	B35
4-1/16	4.06	4-7/16	4.44	4	200	4BC301	B39
4-1/4	4.25	4-13/16	4.81	6	150	6BC400	BS39

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DOUBLE BOLT 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			Torque lbs./ft.	Hose OD Range			Torque lbs./ft.
From	To	Part No		From	To	Part No	
1-5/8	1-15/16	DB049	20	7-11/16	8-3/16	DB818	125
1-7/8	2-3/8	DB060	20	8-1/4	8-7/8	DB875	125
2-3/8	3-7/16	DB076	20	8-15/16	9-7/8	DB988	125
3-1/2	3-11/16	DB094	40	9-15/16	11-3/8	DB1125	125
3-1/2	4	DB400	40	11-3/16	13	DB1275	125
4-1/16	4-7/16	DB463	40	12-3/16	14	DB1360	200
4-3/16	5	DB525	60	13-3/16	15	DB1450	200
5	5-1/2	DB550	60	15-1/16	17-1/2	DB1700	260
5-1/2	6-1/16	DB600	60				
6-1/8	6-7/8	DB675	60				
6-15/16	7-5/8	DB769	60				

DOUBLE BOLT HOSE CLAMPS FOR CORRUGATED HOSE



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.

Hose ID	1-1/2	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

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COMBINATION HOSE NIPPLES



PLATED



STAINLESS

CN's are used in a variety of fluid applications. They are available in unplated steel, plated steel, polypropylene and 304 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.

Not for use with crimp ferrule.



POLYPROPYLENE



VICTAULIC

Hose ID	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
Part No							
Unplated	CN050	CN075	CN100	CN125	CN150	CN200	CN250
Plated	CN050P	CN075P	CN100P	CN125P	CN150P	CN200P	CN250P
304 Stainless	CN050S	CN075S	CN100S	CN125S	CN150S	CN200S	CN250S
Polypropylene*	CN050PP	CN075PP	CN100PP	CN125PP	CN150PP	CN200PP	CN250PP
Victaulic	CN050V	CN075V	CN100V	CN125V	CN150V	CN200V	CN250V

Hose ID	3	4	5	6	8	10	12
Part No							
Unplated	CN300	CN400	CN500	CN600	CN800	CN1000	CN1200
Plated	CN300P	CN400P	CN500P	CN600P	CN800P	CN1000P	CN1200P
304 Stainless	CN300S	CN400S		CN600S			
Polypropylene*	CN300PP	CN400PP					
Victaulic	CN300V	CN400V		CN600V	CN800V		

*Black Schedule 80



NIPPLES & ACCESSORIES

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

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.

HOSE ID	1/2	3/4	1	1-1/4	1-1/2	2	
PART NO	SM050	SM075	SM100	SM125	SM150	SM200	
HOSE ID	2-1/2	3	4	6	8	10	12
PART NO	SM250	SM300	SM400	SM600	SM800	SM1000	SM1200

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BRASS BALL VALVES



Part Number	Size	A mm	B mm	C mm	D mm	Thread
BV038BF	3/8	9.9	21.75	43.5	47.0	3/8 NPT
BV050BF	1/2	14.0	26.50	53.0	52.0	1/2 NPT
BV075BF	3/4	19.0	30.00	60.0	52.0	3/4 NPT
BV100BF	1	24.0	36.50	73.0	58.0	1 NPT
BV125BF	1-1/4	31.0	43.25	86.5	76.0	1-1/4 NPT
BV150BF	1-1/2	38.0	50.75	101.5	80.0	1-1/2 NPT
BV200BF	2	49.0	54.00	108.0	90.0	2 NPT
BV250BF	2-1/2	64.0	70.00	140.0	122.5	2-1/2 NPT
BV300BF	3	79.0	81.00	162.0	133.0	3 NPT
BV400BF	4	99.0	94.50	189.0	156.0	4 NPT

Ball Valve Components		
1	Valve Body	Brass
2	Valve Cap	Brass
3	O-Ring	PTFE
4	Ball	Brass, chrome-plated
5	StemSpacer/ Gasket	PTFE
6	O-Ring	PTFE
7	Stem	Brass
8	Nut	Brass
9	Cap	Brass
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

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

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ACCESSORIES

STRAIGHT STREAM BRASS NOZZLES



Made from cast brass with satin finish. Orifice tip sizes are standard.

All sizes, for use at 100 PSI, water only at 70°F.

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

Red Nozzles for use at 100 PSI, water only at 70°F

Brass Nozzles for use at 100 PSI, water only at 70°F

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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



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					
3	RHS300	SHS300	TRHS300	THS300	BHS300	
4	RHS400	SHS400				
6	RHS600	SHS600				
8	RHS800					

HYDRANT ADAPTERS 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.

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

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

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STRAINERS - SUGAR CONE TYPE



Applications include - water, oil or gas and steam where protection from foreign matter is required in a pipeline. For water, oil and gas applications, the strainer is normally inserted into a sight glass.

FEATURES:

- 304 Stainless Steel
- Permanently attached envelope gasket that makes the assembly with the sight glass and cam & groove fittings much easier.
- Gasket is a nitrile compound.

Part No.	Size	
	(in.)	(mm)
CS300SS	3.00	76.20
CS400SS	4.00	101.60

SIGHT GLASSES - HEAVIER THAN SCHEDULE 80 POLYCARBONATE



Sight Glasses enable the water hauler and pumper to view, at any time, what is streaming through the storage tank drain lines.

Part No.	Size	
	(in.)	(mm)
SGT300	3.00	76.20
SGT400	4.00	101.60

WARNING!

- **DO NOT TIGHTEN OR LOOSEN WHILE UNDER PRESSURE**
- **AVOID DIRECT CONTACT WITH STRONG ACIDS OR CHEMICALS**
- **ALWAYS PLACE THE PIPE WRENCH ON THE METAL CONNECTIONS AND NOT THE SIGHT GLASS ITSELF WHEN TIGHTENING.**
- **USE ON DRAIN LINES ONLY. NEVER USE ON FLOW LINES.**
- **ALWAYS USE AN OILY RAG WHEN CLEANING THIS PRODUCT.**

FEATURES:

- Temperature range from -76°F to 185°F - greater range than the poly-acrylic versions.
- Working pressure up to 500 PSI for both sizes
- NPT pipe threads on both ends
- Comes with thread protectors on both ends
- High impact resistant polycarbonate material
- Excellent UV ray resistance
- Excellent resistance to most acids, low concentrations of alcohol and alkalis. Compatible with aliphatic hydrocarbons, aromatic hydrocarbons, mild detergents and cleaners, greases and oils & silicone greases and oils.

CHEMICAL, OIL & 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			
NR	Natural Rubber	EPDM	Ethylene-propylene-diene-terpolymer
IR	Isoprene (synthetic)	FKM	Fluorocarbon rubber (Viton)
SBR	Styrene-butadiene	UHMW	Ultra High Molecular Weight Polyethylene
CR	Chloroprene (Neoprene*)	XLPE	Cross-linked polyethylene
NBR	Nitrile-butadiene (Buna-N)	CSM	Chloro-sulfonyl-polyethylene (Hypalon)
IIR	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
Absorption Oil	X	X	G	E	X	G	X	G	G	Alkylaryl Sulfonate	E	N	N	E	N	X	N	E	E
Acetal	C	C	C	X	G	C	C	G	G	Allyl Alcohol	E	G	E	E	E	E	E	E	E
Acetaldehyde	C	X	F	X	E	C	G	E	G	Allyl Bromide	X	X	X	X	X	X	X	G	G
Acetamide	C	C	G	G	E	G	E	E	E	Allyl Chloride	X	X	X	X	X	X	X	G	G
Acetate Solvents	C	X	X	X	C	X	C	E	E	Alpha Methylstyrene	X	X	X	X	X	N	X	G	G
Acetic Acid, 10%	X	X	G	X	G	G	G	E	E	Alpha Olefin Sulfonate	E	N	N	N	N	N	N	N	N
Acetic Acid, 30%	X	X	C	G	G	G	G	E	E	Alum (Ammonium Potassium Sulfate)	E	E	E	E	E	E	E	E	E
Acetic Acid, 50%	X	X	C	C	G	X	G	E	G	Aluminum Acetate	E	E	N	N	N	N	N	N	N
Acetic Acid, Glacial	X	X	C	X	G	X	X	G	G	Aluminum Alkyl	X	X	X	X	X	X	X	X	X
Acetic Aldehyde	X	N	N	N	G	X	E	E	E	Aluminum	E	E	E	E	E	E	E	E	E
Acetic Anhydride	X	X	G	X	E	G	E	E	G	Aluminum Bromide	E	E	E	E	E	E	E	E	N
Acetic Ester (Ethyl Acetate)	X	X	X	X	G	X	G	E	E	Aluminum Chloride	E	E	E	E	E	E	E	E	E
Acetic Ether (Ethyl Acetate)	X	X	X	X	C	G	G	E	E	Aluminum Chlorohydrate Solution (to 50%)	N	N	N	E	E	N	E	E	E
Acetic Oxide (Acetic Anhydride)	X	X	X	X	C	G	G	E	E	Aluminum Fluoride	E	E	E	E	E	E	E	E	E
Acetone	C	C	F	X	E	F	E	E	E	Aluminum Formate	X	N	N	X	G	X	N	E	E
Acetone Cyanohydrin	X	X	N	N	G	N	G	E	G	Aluminum Hydroxide	E	E	E	E	E	G	E	E	E
Acetophenone	C	X	X	X	E	X	E	G	G	Aluminum Nitrate	E	E	E	E	E	E	E	E	E
Acetyl Acetone	X	X	X	X	G	X	E	E	E	Aluminum Phosphate	E	E	E	E	E	E	E	E	E
Acetyl Chloride	X	X	X	X	C	X	C	G	G	Aluminum Salts	E	E	E	E	E	E	E	N	N
Acetyl Oxide	X	N	N	X	E	G	E	E	G	Aluminum Sulfate	G	E	E	E	E	E	E	E	E
Acetyl-P-Toluidine	X	X	N	N	X	N	X	E	E	Aminobenzene	N	N	N	N	N	N	N	N	G
Acetylene	E	E	G	E	E	E	E	E	E	Aminodimethylbenzene	N	N	N	N	N	N	N	N	N
Acetylene Dichloride (Dichloroethylene)	X	X	N	N	X	N	X	X	X	Aminoethanol	G	N	N	G	E	G	N	E	E
Acetylene Tetrachloride	X	X	N	N	X	N	X	X	X	Aminoethylethanolamine	N	N	N	N	E	N	G	G	E
Acrolein (Hydroquinine inhibited)	N	N	N	N	G	N	X	E	E	Ammonia, Anhydrous	E	C	E	G	E	G	E	E	E
Acrylamide	N	N	N	X	N	N	X	E	E	Ammonia Cupric Sulfate	X	N	N	E	E	E	E	E	E
Acrylates (HEA or HPA)	N	N	N	N	N	N	X	E	E	Ammonia, Liquid	G	G	E	E	E	E	E	E	E
Acrylic Acid	N	N	N	N	N	N	N	N	G	Ammonia, In Water	G	G	G	G	G	G	E	E	E
Acrylonitrile	G	X	X	X	X	X	X	G	G	Ammonium Acetate	E	E	G	E	E	E	E	E	E
Adipic Acid	N	G	G	G	E	E	G	N	N	Ammonium Bicarbonate	E	N	N	N	N	N	N	N	N
Aeroshell 7A, 17 Grease	N	N	G	E	N	N	N	N	N	Ammonium Bisulfate (50%)	N	N	N	N	G	N	G	G	G
Air	E	E	E	E	E	E	E	E	E	Ammonium Carbonate	E	E	E	C	E	E	E	E	E
Air, +300°F	X	X	X	X	N	X	X	N	N	Ammonium Chloride	E	E	E	E	E	E	E	E	E
Aircraft Hydraulic Oil AA	N	N	N	E	X	N	X	E	N	Ammonium Fluoride	E	N	N	N	N	N	N	N	N
Alachlor (Lasso)	E	N	N	N	N	N	N	E	N	Ammonium Hydroxide	G	G	E	G	E	G	E	E	E
Alcohols, Aliphatic	E	G	E	E	E	E	E	E	E	Ammonium Metaphosphate	E	E	E	E	E	E	E	E	E
Alcohols, Aromatic	C	X	C	C	X	X	X	E	E	Ammonium Nitrate	G	E	E	E	E	E	E	E	E
Alkaline Liquid (NOS)	N	N	N	N	E	E	N	E	N	Ammonium Nitrite	E	E	E	E	E	E	E	E	E
Alk-Tri (Trichloroethylene)	X	N	N	X	X	X	N	E	N	Ammonium Persulfate	E	X	E	X	E	E	G	E	E
Alkylaryl Polyether Alcohol	N	N	N	N	N	N	N	N	E	Ammonium Phosphate	E	E	E	E	E	E	E	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Ammonium Sulfate	E	E	E	E	E	E	E	E	E	Benzene Sulfonic Acid	X	X	X	N	G	G	N	E	E
Ammonium Sulfide	E	E	E	E	E	E	E	E	E	Benidine	E	X	X	G	X	N	X	G	N
Ammonium Sulfite	E	E	E	E	E	E	E	E	E	Benzine	X	X	G	E	X	X	X	E	E
Ammonium Thiocyanate	E	E	E	E	E	E	E	E	E	Benzene Solvent (ligroin)	X	N	N	E	X	X	X	E	E
Ammonium Thiosulfate	E	E	E	E	E	E	E	E	E	Benzoic Acid	G	X	E	X	E	G	G	E	E
Amyl Acetate	C	X	X	X	G	X	G	X	X	Benzoic Aldehyde	X	X	X	X	X	X	X	E	E
Amyl Acetone	X	X	X	X	G	X	G	E	E	Benzophenone	E	N	N	N	N	N	N	E	N
Amyl Alcohol	E	E	E	E	E	E	E	E	E	Benzo-trichloride	X	X	X	X	X	X	X	G	G
Amylamine	C	G	X	C	G	C	X	E	E	Benzoyl Chloride	X	X	X	X	X	X	X	G	G
Amylbenzene	X	X	G	G	X	N	X	G	G	Benzyl Acetate	X	X	X	X	G	G	G	E	E
Amyl Borate	X	X	C	E	X	C	X	E	E	Benzyl Alcohol	G	G	C	X	G	F	G	E	E
Amyl Chloride	X	X	X	X	X	X	X	E	E	Benzyl Benzoate	N	N	N	N	G	N	G	E	N
Amyl Chloronaphthalene	X	X	X	G	X	X	X	E	E	Benzyl Chloride	X	X	X	X	C	X	X	E	E
Amyl Napthalene	X	X	X	X	X	X	X	E	E	Bichromate of Soda	X	X	G	X	E	G	C	E	E
Amyl Oleate	X	X	X	X	G	X	G	E	E	(Sodium Dichromate)									
Amyl Phenol	X	X	X	X	X	X	X	E	E	Bismuth Carbonate	E	N	X	N	N	N	N	N	N
Amyl Phthalate	X	N	N	X	E	X	N	E	E	Bisphenol A	E	N	N	N	N	N	N	N	N
Anethole	X	X	X	X	X	X	X	G	G	Bitumastic	X	X	G	G	X	X	X	N	X
Anhydrous Ammonia	X	X	X	X	X	X	X	X	X	Black Sulfate Liquor	G	G	E	G	E	G	E	E	E
Aniline	X	X	X	X	E	X	C	E	E	Blast Furnace Gas	X	X	G	C	C	G	C	E	E
Aniline Dyes	C	C	C	C	G	C	G	E	E	Bleach	X	X	C	X	X	F	G	E	E
Aniline Hydrochloride	E	C	X	C	C	X	G	E	E	Borax Solution	G	G	E	C	E	E	E	E	E
Animal Fats	X	X	G	E	G	F	C	E	E	Bordeaux Mixture	G	G	E	E	E	E	E	E	E
Animal Gelatin	N	N	E	E	N	N	N	E	E	Boric Acid	E	E	E	E	E	E	E	E	E
Animal Grease	X	X	G	G	C	C	G	E	E	Brake Fluid (HD-557)	N	E	G	C	G	G	E	N	N
Animal Oils	X	X	X	E	G	X	C	E	E	Brine	E	E	E	E	E	E	E	E	E
Ansul Ether	X	X	X	C	C	X	C	E	E	Bromine	X	X	X	X	X	C	X	X	X
Antifreeze (Ethylene Glycol)	E	E	E	E	E	E	E	E	E	Bromine Water	X	X	G	C	C	E	C	E	E
Antimony Trichloride	X	X	G	G	E	G	G	E	G	Bromobenzene	X	X	X	X	X	X	C	C	C
Ant Oil (Furfural)	X	X	G	X	X	G	X	E	N	Bromochloroethane	X	X	N	N	X	X	X	X	X
Antimony Pentachloride	X	X	X	X	C	X	C	G	G	Bromochloromethane	X	X	X	X	X	X	X	X	X
Antimony Salts	N	N	N	G	E	N	E	E	N	Bromotoluene	X	X	N	N	X	N	X	N	N
Aqua Ammonia	G	G	G	G	G	E	E	E	E	Bubble Bath Compounds	N	N	N	N	N	N	N	N	E
Aqua Regia	X	X	X	X	X	C	C	X	G	Bunker Oil	X	X	G	E	X	X	X	E	E
Argon	X	X	X	C	G	X	E	N	N	Butadiene	X	X	F	X	X	C	X	F	F
Arguad	E	E	E	E	E	E	E	E	E	Butandiol (Butylene Glycol)	N	N	N	N	N	N	N	E	G
Aromatic Hydrocarbons	X	X	X	C	X	X	X	E	E	Butane	X	X	E	E	E	G	X	E	N
Aromatic Tar	X	N	N	X	X	X	X	E	E	Butanoic Acid	N	N	N	N	N	N	N	N	N
Arsenic Acid	E	E	E	E	E	E	E	E	E	Butanol	E	E	E	E	E	E	E	E	E
Arsenic Chloride	X	X	E	C	X	X	G	X	X	Butraldehyde (Butanal)	X	X	X	X	X	X	X	G	N
Arsenic Trichloride	X	X	E	C	X	X	G	X	X	Butter (Non F.D.A.)	C	C	G	E	E	E	E	G	E
Asphalt	X	X	G	E	X	X	G	G	G	Butyl Acetate	X	X	X	X	G	X	C	G	G
ASTM Fuel A	X	X	E	E	X	G	X	N	N	Butyl Acetoacetate	X	N	N	X	X	X	N	E	E
ASTM Fuel B	X	X	X	E	X	X	X	N	N	Butyl Acrylate	X	X	X	X	X	X	X	G	G
ASTM Fuel C	X	X	X	G	X	X	X	N	N	Butyl Alcohol	E	E	E	E	E	E	E	E	E
ASTM Oil No. 1	X	X	E	E	X	G	X	E	E	Butyl Aldehyde	X	N	N	X	X	X	X	E	E
ASTM Oil No. 2	X	X	G	E	X	F	X	E	E	Butylamine	G	C	X	C	C	C	C	E	E
ASTM Oil No. 3	X	X	G	E	X	F	X	E	E	Butyl Benzene	X	X	X	X	X	X	X	E	E
ASTM Oil No. 4	X	X	X	G	X	X	X	N	N	Butyl Benzyl Phthalate (BBP)	X	N	N	X	E	X	N	N	N
Automatic Trans. Fluid	X	X	G	E	X	C	X	N	N	Butyl Bromide	X	X	X	X	X	X	X	G	G
Aviation Gasoline	X	X	C	E	X	X	X	E	E	Butyl Butyrate	X	X	X	X	C	X	G	G	G
Baltic Types 100, 150, 200, 300, 500	N	N	N	E	X	N	X	E	N	Butyl Carbitol	X	X	G	G	E	E	E	E	E
Bardol B	X	X	X	X	X	X	X	E	N	Butyl Cellosolve	X	X	G	G	E	E	E	E	E
Barium Carbonate	E	E	E	E	E	E	E	E	E	Butyl Chloride	X	X	X	X	C	X	C	G	G
Barium Chloride	E	E	E	E	E	E	E	E	E	Butylate	N	N	N	N	N	N	E	N	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E	Butylene	X	X	C	G	X	X	X	N	F
Barium Sulfate	E	E	E	E	E	E	E	E	E	Butyl Ether	X	X	G	G	C	G	C	E	E
Barium Sulfide	E	E	E	E	E	E	E	E	E	Butyl Ethyl Acetaldehyde	X	X	X	X	C	X	X	E	E
BBP (Butyl Benzyl Phthalate)	X	N	N	X	E	X	N	N	N	Butyl Ethyl Ether	X	X	X	X	C	G	C	E	E
Beer	E	E	G	C	E	E	G	N	N	Butyl Formate	X	N	X	X	N	N	N	N	N
Beet Sugar Liquors	E	E	E	E	E	E	E	E	E	Butyl Mercaptan (2-Methyl-2-Butanathiol)	X	X	N	X	X	N	X	E	N
Bellows 80-20 Hydraulic Oil	N	N	N	E	X	N	X	E	N	Butyl Oleate	X	X	X	X	G	X	G	E	E
Benzaldehyde	X	N	N	X	G	X	G	E	E	Butyl "Oxitol" tm for EG Monobutyl Ether	N	N	N	N	N	N	E	E	N
Benzal Chloride	N	N	N	X	G	N	N	E	E	Butyl Phthalate	X	X	X	X	C	X	C	E	E
Benzene (Benzol)	X	X	X	X	X	X	X	E	G	Butyl Stearate	X	X	X	G	C	X	C	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Butylene Glycol	N	N	N	N	N	N	N	E	G	Chlorine, Water Solutions (2%)	C	X	X	X	C	G	C	E	E
Butyraldehyde	X	N	N	X	G	X	X	E	E	Chloroacetic Acid	G	X	X	X	C	X	C	E	E
Butyric Acid	G	G	X	N	G	X	G	E	E	Chloroacetone	X	X	X	X	G	G	X	E	E
Butyric Anhydride	C	X	X	C	C	G	C	E	E	Chlorobenzene	X	X	X	X	X	X	X	G	G
Cadmium Acetate	X	N	N	X	G	N	N	N	N	Chlorobenzol	X	N	N	X	X	X	X	E	E
Calcine Liquor (Radioactive Waste)	N	N	N	E	E	N	E	E	N	Chlorobromomethane	X	X	X	X	X	X	X	G	X
Calcium Acetate	C	X	X	X	E	X	E	E	E	Chlorobutane	X	X	X	X	X	X	X	G	G
Calcium Aluminate	E	N	E	E	E	E	N	N	N	Chlorobutadiene	X	X	X	X	X	X	X	G	G
Calcium Arsenate	N	N	N	N	N	N	N	E	N	Chloroethylbenzene	X	X	X	X	X	X	X	E	E
Calcium Bisulfate	E	E	E	E	E	E	E	E	E	Chloroform	X	X	X	X	X	X	X	G	G
Calcium Bisulfide	G	G	E	E	E	E	N	E	N	Chloronapthalene	X	X	X	X	X	X	X	N	N
Calcium Bisulfite	C	E	E	E	G	E	C	E	E	Chlorinated Hydrocarbons	X	X	X	X	X	X	X	G	G
Calcium Bromide Solution	N	N	N	N	N	N	N	E	E	Chloropentane	X	X	C	X	X	X	X	E	E
Calcium Bichromate	N	N	N	N	E	F	N	G	F	Chlorophenol	X	X	X	X	X	X	X	G	G
Calcium Carbonate	E	E	E	E	E	E	E	E	E	Chloropropanone	X	X	X	X	C	X	C	G	G
Calcium Chlorate	G	G	E	E	G	E	G	E	E	Chlorosulfonic Acid	X	X	X	X	X	C	X	G	G
Calcium Chloride	E	E	E	E	E	E	E	E	E	Chlorothene (Trichloroethane)	X	X	X	X	X	X	X	G	G
Calcium Hydroxide	E	G	E	E	E	G	E	E	E	Chlorotoluene	X	X	X	X	X	X	X	G	G
Calcium Hydrosulfide	G	G	E	E	E	E	N	E	N	Chlorox	G	G	G	N	G	G	N	G	E
Calcium Hypochlorite	X	X	X	X	G	F	G	G	G	Chlorpyrifos	N	N	N	N	N	N	X	N	N
Calcium Metasilicate	E	G	N	G	G	G	N	N	N	Chrome Alum	E	E	E	E	E	E	N	N	N
Calcium Nitrate	E	E	E	E	E	E	E	E	E	Chrome Plating Sltns.	X	X	X	X	X	X	G	N	N
Calcium Silicate	E	G	N	G	G	G	N	N	N	Chromic Acid	X	X	X	X	X	E	C	E	E
Calcium Stearate	E	N	N	N	N	N	N	N	N	Citgo FR Fuels	N	N	X	E	E	N	N	E	N
Calcium Sulfate	E	E	E	E	E	E	E	E	E	Citric Acid	E	E	G	G	E	E	E	E	E
Calcium Sulphydrate	E	E	E	E	E	E	E	E	E	Coal Oil	X	X	G	E	X	X	X	E	E
Calcium Sulfide	E	E	E	E	E	E	E	E	E	Coal Tar	X	X	G	E	X	G	G	E	E
Calcium Sulfite	E	E	E	E	E	E	E	E	E	Coal Tar Naptha	X	X	F	E	X	X	X	E	E
Caliche Liquor (Crude Sodium Nitrate)	E	E	G	C	E	E	E	E	E	Coal Tar Pitch	X	X	G	G	X	G	X	N	N
Camphene (Liquid above 115°F)	N	N	N	N	N	X	X	N	N	Cobalt Chloride	E	E	E	E	E	E	E	E	E
Cane Sugar Liquors (Non F.D.A.)	E	E	E	E	E	E	E	E	E	Coconut Oil	X	X	G	E	G	G	C	E	E
Caproic Acid	N	N	N	N	N	N	G	E	E	Cod Liver Oil	X	X	G	E	E	G	E	E	E
Caprolactam	E	N	N	N	N	N	N	N	N	Coke Oven Gas	X	X	X	X	F	X	X	E	E
Caprylic Acid	X	N	N	X	G	N	E	E	E	Copper Arsenate	E	E	E	E	E	E	E	E	E
Carbamates	X	X	X	X	X	X	X	E	N	Copper Chloride	E	E	E	E	E	E	E	E	E
Carbitol	X	X	G	G	E	G	G	E	E	Copper Cyanide	E	E	E	E	E	E	E	E	E
Carbitol Acetate	X	X	X	X	G	X	G	E	E	Copper Hydrate	X	N	N	G	E	G	N	E	E
Carbolic Acid (Phenol)	X	X	C	X	G	C	C	E	E	Copper Hydroxide	F	G	N	N	E	G	N	E	E
Carbon Bisulfide (See Carbon Disulfide)	N	N	N	N	N	N	N	N	N	Copper Nitrate	E	E	E	E	E	E	E	E	E
Carbon Dioxide	E	E	E	E	E	E	E	E	E	Copper Nitrite	E	E	E	E	E	E	E	E	E
Carbon Disulfide	X	X	X	X	X	X	X	E	C	Copper Sulphate	F	E	E	E	E	E	E	E	E
Carbonic Acid	E	E	E	E	E	E	E	E	E	Copper Sulphide	C	E	E	E	E	E	E	E	E
Carbon Monoxide	E	E	E	E	E	E	E	E	E	Corn Oil	X	X	C	E	E	G	C	E	E
Carbon Tetrachloride	X	X	X	C	G	X	G	C	C	Corn Syrup	G	G	G	G	G	G	G	E	N
Carbon Tetrafluoride	X	X	X	C	X	X	X	C	C	Cottonseed Oil	X	X	C	C	C	G	C	C	G
Carbonyl Chloride	X	X	X	X	E	X	X	X	X	Creosols	X	N	N	X	E	X	X	E	E
Casein	N	N	N	N	E	N	N	N	N	Creosote	X	N	N	X	X	X	X	E	E
Castor Oil	C	X	G	E	G	C	G	E	E	Creosote (Wood)	X	X	C	G	X	C	X	E	E
Caustic Potash (Potassium Hydroxide)	E	G	G	E	E	E	E	E	E	Creosote (Coal Tar)	X	X	C	G	X	C	X	E	E
Caustic Soda (Sodium Hydroxide)	E	G	G	G	E	G	E	E	E	Cresols	X	X	C	C	X	C	X	E	E
Cellosize	X	N	N	X	E	E	E	E	E	Cresylic Acid	X	X	C	X	C	X	E	E	E
Cellosolve	X	X	E	G	G	G	G	E	E	Crotonaldehyde	X	X	X	E	E	X	C	E	E
Cellulose Acetate	C	X	C	X	G	C	G	G	G	Crotonic Acid	X	X	N	G	E	N	G	E	E
Cellulube	C	X	X	X	G	X	E	E	E	Crude Oil	X	X	F	E	X	X	X	E	E
Cement, Portland	N	N	N	N	E	N	N	N	E	Crude Wax	N	N	N	G	G	N	N	G	N
China Wood Oil (Tung Oil)	X	X	G	E	G	G	G	E	E	Cryolite	X	X	G	E	X	X	X	N	N
Chlordane	N	N	X	X	N	X	X	E	N	Cumene	X	X	X	C	C	X	X	E	E
Chlorinated Napthalene	X	X	X	X	X	X	N	N	N	Cupric Arsenate	G	G	N	N	N	G	N	E	N
Chlorinated Solvents	X	X	N	N	X	X	X	X	X	Cupric Carbonate	C	C	G	E	E	G	E	E	E
Chlorine Dioxide	X	X	X	X	C	X	G	G	G	Cupric Chloride	C	C	G	E	E	E	E	E	E
Chlorine Gas (Dry)	C	C	X	C	C	G	C	G	G	Cupric Cyanide	G	G	G	G	G	G	G	E	N
Chlorine Trifluoride	N	N	N	N	N	N	X	N	N	Cupric Hydroxide	N	N	N	N	N	N	N	N	N
										Cupric Nitrate	C	C	G	E	E	E	E	E	E
										Cupric Nitrite	C	C	G	E	E	E	E	E	E
										Cupric Sulfate	F	E	G	E	E	E	E	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Cutting Oil	X	X	G	E	X	X	X	G	N	Dioldrin In Xylene	X	X	G	G	X	X	X	E	E
Cutting Oil (Sulfur Base)	N	N	X	E	N	N	N	N	N	And Water Spray									
Cutting Oil (Water Soluble)	N	N	X	E	N	N	N	N	N	Diesel Fuel	X	X	G	E	X	X	X	E	E
Cyanide, Copper	G	G	G	G	G	G	G	E	N	Diesel Oil	X	X	G	E	X	C	X	E	E
Cyanide, Mercuric	G	G	E	G	G	E	G	E	N	Diethanol Amine	G	G	G	G	E	F	F	E	E
Cyanide, Silver	N	N	E	N	N	N	N	E	N	Diethyl Benzene	X	X	X	X	X	X	X	E	E
Cyanide, Sodium	E	E	E	E	E	E	E	E	N	Diethyl Carbonal	E	N	N	E	E	E	N	E	E
Cyclohexane	X	X	X	G	X	X	X	E	E	Diethyl Ether	X	X	C	G	X	X	X	E	E
Cyclohexanol	X	X	G	C	X	X	X	E	E	Diethyl Ketone	F	X	N	N	G	X	N	E	E
Cyclohexanone	X	X	X	X	X	X	X	E	E	Diethylphthalate	X	X	X	X	E	X	G	E	E
Cyclohexamine	N	X	N	N	E	N	E	N	N	Diethyl Oxalate	C	X	X	X	C	X	E	E	E
Cyclopentane	X	X	G	G	X	X	X	E	E	Diethyl Sebacate	X	X	X	X	E	X	C	E	E
Cyclopentanol	X	X	N	N	X	X	N	E	E	Diethyl Sulfate	X	X	X	X	G	X	G	E	E
Cyclopentanone	X	N	N	X	X	X	N	N	N	Diethyl Sulfide	N	N	N	N	N	N	N	E	N
P-Cymene	X	X	X	C	X	X	X	E	E	Diethyl Triamine	G	C	G	G	E	C	G	E	E
DDT In Kerosene	X	X	G	E	F	X	X	E	E	Diethylacetaldehyde	N	N	N	N	N	N	N	E	N
Decaline	X	X	X	X	X	X	X	E	E	Diethylamine	N	N	N	N	N	N	N	N	G
Decanal	X	N	N	X	X	X	N	N	N	Diethylene Dioxide	X	X	X	X	G	X	G	E	N
Decanol	X	N	X	E	X	G	N	N	N	Diethylene Glycol	E	E	E	E	E	E	E	E	E
Decane	X	X	X	G	X	X	X	E	E	Diethylene Glycol Methyl Ether	X	X	N	N	X	X	E	E	N
Decyl Alcohol	X	N	N	E	E	E	E	E	E	Diethylene Glycol Monobutyl Ether	N	N	N	N	N	N	E	E	N
Decyl Aldehyde	X	N	N	X	X	X	N	N	N	Diethylene Glycol Monobutyl Ether Acetate	N	N	N	N	N	N	E	E	N
Decyl Butyl Phthalate	X	N	N	X	E	X	N	E	E	Diethylenetriamine	G	G	C	G	E	C	E	E	E
Deicing Fluid	N	N	E	E	E	G	E	E	E	Dihydroxyacetone	N	N	N	N	N	N	E	E	N
Denatured Alcohol	E	E	E	E	E	E	E	E	E	Dihydroxydiethyl Ether	E	E	E	E	E	N	E	E	E
Detergent, Water Sltn.	G	G	G	E	G	G	E	E	E	Dihydroxyethyl Amine	G	C	G	G	E	C	G	E	E
Developing Fluid (pic)	E	G	E	E	E	E	G	N	N	Dihydroxyethyl Ether	E	E	G	E	E	E	G	E	E
Dextrin	N	N	E	E	X	N	E	E	N	Diisobutylene	X	X	G	E	X	X	X	E	E
Dextron	N	N	N	E	X	N	X	X	N	Diisobutyl Ketone	X	X	X	X	G	X	G	E	E
DHSO Butylene	X	X	X	G	X	X	X	E	N	Diisobutyl Phenol	E	N	N	N	N	N	N	N	N
Diacetone Alcohol	X	X	G	X	E	G	G	E	E	Diisocyanate	X	X	X	X	X	X	X	X	X
Diamonium Phosphate	N	N	N	N	N	N	N	N	N	Diisooctyl Phthalate	X	N	N	X	E	X	E	N	N
Diamylamine	G	C	E	G	E	C	C	E	E	Diisocetyl Adipate	X	N	N	X	E	X	N	E	E
Diamyl Naphthalene	X	X	N	N	X	X	N	E	N	Diisodecyl Adipate	X	X	E	X	X	C	E	E	E
Diamyl Phenol	X	N	N	X	X	X	E	E	E	Diisodecyl Phthalate	X	X	X	X	E	C	E	E	E
Diamylene	X	N	N	X	X	X	N	E	E	Diisooctyl Adipate	X	X	X	X	E	X	E	E	E
Diazonin	E	E	N	N	N	N	E	N	N	Diisooctyl Phthalate	X	X	X	X	E	C	E	E	E
Dibenzyl Ether	X	X	X	X	G	X	X	E	E	Diisopropanolamine	G	N	N	G	E	N	N	N	N
Dibenzyl Sebacate	C	X	X	X	G	X	G	E	E	Diisopropyl Benzene	X	X	X	C	X	X	X	E	E
Dibromobenzene	X	X	X	X	X	X	X	G	G	Diisopropyl Ether	X	X	X	G	X	X	X	E	E
Dibromomethane	X	X	X	X	X	X	X	G	G	Diisopropyl Ketone	X	X	X	X	E	X	E	E	E
Dibutyl Ether	X	X	X	X	X	X	C	E	E	Diisopropylidene Acetone	X	X	X	X	G	X	G	E	N
Dibutylamine	G	F	G	E	F	F	G	E	E	Dilauryl Ether	X	X	X	C	X	C	X	E	E
Dibutylphthalate	X	X	X	X	G	X	E	E	E	Dimethyl Aniline	X	X	X	X	G	X	X	E	N
Dibutyl Sebacate	X	X	X	X	G	X	G	G	G	Dimethyl Benzene	X	N	N	X	X	X	X	E	E
Dicalcium Phosphate	E	E	E	E	E	E	E	E	E	Dimethyl Carbonal	E	N	N	E	E	E	E	E	E
Dicamba	N	N	N	N	N	N	E	E	E	Dimethyl Ether	X	X	X	X	G	X	E	E	E
Dichloroacetic Acid	X	N	N	X	X	X	X	E	E	Dimethyl Formamide	N	N	N	N	N	N	G	E	N
Dichloroaniline	N	X	X	X	X	N	X	N	N	Dimethyl Ketone	G	F	F	X	E	F	E	E	E
Dichlorobenzene	X	X	X	X	X	X	X	G	G	Dimethyl Phenol	X	N	N	X	X	X	X	E	E
Dichlorobenzyl	X	X	X	X	X	X	X	G	N	Dimethyl Phthalate	X	X	X	X	E	X	G	E	E
Dichlorobutane	X	X	X	X	X	X	X	E	E	Dimethyl Sulfate	X	X	X	X	G	X	X	E	E
Dichlorodifluorometh	X	X	E	G	X	X	X	E	E	Dimethyl Sulfide	X	X	X	X	C	X	X	G	G
Dichloroethane	X	X	X	X	C	X	X	E	C	Dimethyl Terephthalate	N	X	X	X	X	N	N	N	N
Dichloroethyl Ether	X	X	X	X	X	X	X	E	E	Dimethylamine	G	F	G	G	E	F	E	E	E
Dichloroethylene	X	X	X	X	C	X	X	E	X	Dimethylaminoethanol	N	N	N	N	N	N	G	E	N
Dichlorohexane	X	X	X	X	X	X	X	E	E	Dimethylaniline	X	X	X	X	X	X	C	G	G
Dichloroisopropyl Ether	X	X	X	X	X	X	X	E	E	Dimethylbenzene	X	X	X	X	X	X	X	E	E
Dichloromethane	X	X	X	X	X	X	X	E	E	Dimethylcarbinol	G	G	G	E	E	G	E	E	E
Dichloropentane	X	X	X	X	X	X	X	E	E	Dimethylformamide (DMF)	C	C	C	X	C	C	C	E	E
Dichloropropane	X	X	N	N	X	X	N	E	E	DMP (Dimethylaminomethyl phenol)	N	N	N	N	N	N	N	E	N
Dichlorotoluene	N	N	N	N	N	N	N	N	N	Dinitrobenzene	X	X	C	X	C	X	C	E	E
Dicyclohexylamine	N	N	N	N	N	N	N	N	N	Dinitrotoluene	X	X	X	X	X	X	X	E	E
DIDA (Diisodecyl Adipate)	X	N	N	X	E	X	N	N	N	Diocetyl Adipate (DOA)	X	X	X	X	E	X	G	E	E
Dioldrin In Xylene	X	X	X	X	X	X	X	E	E	Diocetylamine	G	G	X	G	E	C	G	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Diethyl Phosphite	N	N	N	N	N	N	X	E	N	Ethyl Isobutyrate	X	N	X	X	X	N	X	E	N
Diethyl Phthalate (DOP)	X	X	X	X	G	X	G	E	E	Ethyl Mercaptan	X	X	X	X	X	X	X	E	N
Diethyl Sebacate (DOS)	X	X	X	X	G	X	G	E	E	Ethyl Pentachlorobenzene	X	X	X	X	X	X	X	E	N
Dioxane	X	X	X	X	G	X	G	E	E	Ethyl Phthalate	X	X	N	X	G	N	X	E	N
Dioxolane	X	X	X	X	C	X	G	E	E	Ethyl Propionate	X	N	X	X	X	N	X	N	N
Dipentene	X	X	N	X	N	N	X	G	N	Ethyl Silicate	G	G	E	E	N	N	G	E	N
Dipentene (Limonene)	X	X	X	X	C	X	X	E	E	Ethylbutanol	N	N	E	E	E	G	E	E	E
Diphenyl (Biphenyl)	X	X	X	X	X	X	X	E	E	Ethylamine	F	F	N	N	G	F	N	N	E
Diphenyl Oxide (Phenyl Ether)	X	X	X	X	X	C	X	E	E	Ethylene Bromide	X	X	X	X	X	X	X	G	G
Diphenyl Phthalate	X	N	N	X	E	X	N	E	E	Ethylene Chloride	X	X	X	X	X	X	X	G	G
Dipropylene Glycol	E	N	N	E	E	N	N	E	E	Ethylene Chlorohydrin	N	N	X	X	G	N	X	E	N
Dipropyl Ketone	X	X	X	X	G	X	G	E	E	Ethylene Diamine	G	G	E	E	E	F	E	E	E
Dipropylamine	G	G	G	G	E	C	E	E	E	Ethylene Dibromide	X	X	X	X	X	X	X	G	F
Dirco Oils	N	N	N	E	X	N	X	E	N	Ethylene Dichloride	X	X	X	X	X	X	X	G	G
Disodium Phosphate	E	E	E	E	E	E	E	E	E	Ethylene Glycol	E	E	E	E	E	E	E	E	E
Distillate Fuel Oil	N	N	N	N	N	N	X	G	N	Ethylene Glycol Monoethylether	N	N	N	N	N	N	E	E	N
Divinyl Benzene	X	X	X	X	X	X	X	E	E	Ethylene Glycol Monoethylether Acetate	N	N	N	N	N	N	E	E	N
Dodecyl Benzene	X	X	X	X	X	X	X	E	E	Ethylene Glycol Monomethyl Ether	N	N	N	N	N	N	E	E	N
Dodecylphenol	N	N	N	N	N	N	E	E	N	Ethylene Glycol N-Butyl Ether	N	N	N	N	N	N	E	E	N
Dodecyl Toluene	X	X	X	X	X	X	X	E	E	Ethylene Oxide	X	X	X	X	X	X	C	C	C
Dolomite	N	N	E	N	N	E	G	N	N	Ethylenediaminetetraacetic acid (EDTA)	N	N	N	N	N	N	E	E	N
Dowfume W 40, 100%	X	X	C	X	X	C	C	G	G	Ethylene Trichloride	X	X	X	X	C	X	X	G	G
Dow-Per (Perchloroethylene)	X	X	X	C	X	X	X	E	E	(Trichloroethylene)									
Dowtherm Oil, A and E	X	X	X	X	X	C	X	E	E	Ethyl Formate	X	X	X	X	G	X	C	E	E
Dowtherm S.R.I.	E	E	E	E	E	E	E	E	E	Ethyl Hexanol	E	E	E	E	E	E	E	E	E
Dry Cleaning Fluids	X	X	X	C	X	X	X	E	G	Ethyl Methyl Ketone	C	X	X	X	G	X	G	E	E
Duro Oils	N	N	N	E	X	N	X	E	N	Ethyl Oxalate	E	E	X	X	E	X	G	E	E
EDTA (Ethylenediaminetetraacetic Acid)	N	N	N	N	N	N	E	E	N	Ethyl Propyl Ether	X	X	X	X	X	X	X	E	E
Emulsion (Oil in Water)	N	N	N	N	N	N	E	E	E	Ethyl Propyl Ketone	X	X	X	X	G	X	G	E	E
Enamels	N	N	N	N	N	N	X	E	N	Ethyl Sulfate	X	X	X	X	G	X	G	E	E
Epichlorohydrin	X	X	X	X	C	C	G	G	G	Ethylhexanediol	N	N	N	N	N	N	G	E	N
Epoxy Resin	N	N	E	N	G	N	E	N	N	Ethylhexoic Acid	N	N	N	N	N	N	G	E	N
Essential Oils	X	X	G	E	N	N	X	G	N	Ethylhexyl Acetate	N	N	X	X	N	X	E	E	N
Ethanoic Acid	N	N	N	N	N	N	N	N	N	Ethylhexyl Acrylate	N	N	N	X	N	N	N	G	N
Ethanol (Grain Alcohol)	X	X	X	X	X	X	X	N	G	Ethylhexyl Alcohol	E	E	E	N	E	N	E	E	E
Ethanolamine	G	G	G	G	E	C	E	C	E	Ethylhexyl Phosphorodieth	X	N	N	E	X	X	X	X	N
Ethers	X	X	X	X	F	F	C	E	E	EX. TRI (Trichloroethylene)	X	X	X	C	X	X	X	G	G
Ethyl Acetate	X	X	X	X	G	X	C	E	E	Fatty Acids	X	X	C	C	X	X	X	E	E
Ethyl Acetoacetate	X	X	X	X	G	X	G	E	E	Fatty Alcohol, Blend	E	E	E	E	E	N	E	E	E
Ethyl Acrylate	X	X	X	X	C	X	X	G	G	Fatty Petroleum Alcohol	N	N	N	E	E	N	E	E	E
Ethyl Alcohol	X	X	X	X	X	X	X	N	G	Ferric Bromide	E	N	N	N	N	N	N	N	N
Ethyl Aldehyde	F	N	N	N	E	E	N	E	E	Ferric Chloride	E	E	E	E	E	E	E	E	E
Ethyl Aluminum Dichloride 90°F	X	N	N	X	X	X	N	N	N	Ferric Nitrate	N	N	G	G	G	G	G	E	N
Ethyl Benzene	X	X	X	F	X	X	X	G	G	Ferric Sulfate	E	E	E	E	E	E	E	E	E
Ethyl Benzoate	X	X	C	G	G	C	G	E	E	Ferrous Acetate	X	X	X	X	E	X	G	E	E
Ethyl Bromide	X	X	X	X	X	X	X	G	N	Ferrous Ammonium Sulfate	E	E	E	E	E	E	E	E	E
Ethyl Butanol	E	E	E	E	E	E	E	E	E	Ferrous Chloride	E	E	E	E	E	E	E	E	E
Ethyl Butyrate	X	X	X	X	G	N	N	E	N	Ferrous Hydroxide	G	C	E	G	E	G	E	E	E
Ethyl Butyl Acetate	X	N	N	X	E	G	N	E	E	Ferrous Nitrate	N	N	G	G	G	G	G	E	N
Ethyl Butyl Alcohol	E	E	E	E	E	E	E	E	E	Ferrous Sulfate	E	E	E	E	E	E	E	E	E
Ethyl Butyl Amine	G	C	G	G	E	C	G	E	E	Fertilizer (Liquid Manure)	E	E	E	E	E	E	E	E	E
Ethyl Butyl Ketone	X	X	X	X	G	X	G	E	E	Fire-Resistant Hydra-Fluid (Texaco)	N	N	N	E	X	N	X	E	N
Ethyl Butyraldehyde	X	N	N	X	G	X	N	E	E	Fish Oil	X	X	E	E	E	E	E	E	E
Ethyl Cellulose	G	G	G	G	G	G	G	E	E	Fluoroboric Acid	E	C	G	E	E	E	E	E	E
Ethyl Chloride	F	F	F	F	X	X	X	E	G	Fluorine	X	X	X	X	X	X	X	X	X
Ethyl Chloroformate	N	N	N	X	N	N	X	G	G	Fluosilicic Acid	G	G	G	G	E	E	G	E	E
Ethyl Dichloride	X	X	X	X	X	X	X	G	G	Formaldehyde	C	C	G	G	E	C	G	E	E
Ethylene	X	X	G	E	X	C	X	E	E	Formalin (37-50% HCHO with 15% MeOH)	X	X	G	G	G	G	E	E	N
Ethyl Ether	X	X	X	C	C	X	X	E	E	Formamide	E	E	E	E	E	E	E	E	E
Ethyl Ether Acetate	N	N	N	X	N	N	G	E	N	Formic Acid	G	G	C	X	E	F	E	C	E
Ethyl Formate	X	N	N	X	G	X	G	E	E	FR Fluid D	N	N	N	E	X	N	X	E	N
Ethyl Hexoic Acid	X	N	N	X	X	G	N	E	E	Freon So 2	N	N	E	N	N	N	E	N	N
Ethyl Hexyl Acetate	X	N	N	X	E	G	N	E	E	Freon 11	X	X	G	E	X	E	X	E	E
Ethyl Iodide	X	N	X	X	X	X	X	N	N	Freon 12	X	X	G	G	X	X	X	G	G
Ethyl Isobutyl Ether	X	N	N	G	X	G	X	E	E	Freon 13	E	E	E	E	E	E	E	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Freon 21	X	X	G	X	X	X	X	E	E	Heptane	X	X	E	E	X	G	X	E	E
Freon 22	X	X	X	E	E	X	E	E	E	Heptane Carboxylic Acid	X	N	N	X	X	G	N	E	E
Freon 31	G	G	E	X	E	G	E	E	E	Heptanol	E	E	E	E	E	E	E	E	E
Freon 32	E	E	E	E	E	E	E	E	E	Hexaldehyde	N	N	N	N	N	N	E	E	E
Freon 112	X	X	G	G	X	G	X	E	E	Hexane	X	X	E	E	X	F	X	E	E
Freon 113	C	G	E	E	X	E	X	E	E	Hexanol	E	E	E	E	E	E	E	E	E
Freon 114	E	E	E	E	E	E	E	E	E	Hexene	X	X	G	G	X	G	X	E	E
Freon 115	E	E	E	E	E	E	E	E	E	Hexylamine	G	C	G	G	G	C	G	E	E
Freon 142b	E	E	E	E	E	E	E	E	E	Hexylene	X	X	G	E	X	X	C	G	G
Freon 152a	E	E	E	E	E	C	E	E	E	Hexylene Glycol	E	E	E	E	E	E	C	E	E
Freon 218	E	E	E	E	E	E	E	E	E	Hexyl Methyl Ketone	X	X	X	X	G	X	G	E	E
Freon C316	E	E	E	E	E	E	E	E	E	Hi-Tri (Trichloroethylene)	X	X	X	C	X	X	X	G	G
Freon C318	E	E	E	E	E	E	E	E	E	Honey	E	N	E	E	N	N	E	N	N
Freon 13B1	E	E	E	E	E	E	E	E	E	Houghto-Safe 1055,1110,1115, 1120,1130	N	N	N	X	E	N	E	E	N
Freon 114B2	X	C	E	G	X	E	X	E	E	Houghto-Safe 271, 416, 520, & 616, 620	N	N	N	E	E	N	E	E	N
Freon 502	E	E	E	G	E	E	E	E	E	Houghto-Safe 5046	N	N	N	E	E	N	X	E	N
Freon TF	C	G	E	E	E	E	E	E	E	Houghto-Safe 625, 640 & 525 Under 100° F	N	N	N	E	E	N	E	E	N
Freon T-WD602	C	G	G	E	E	G	G	E	E	Hy-Chock Oil	N	N	N	E	N	N	N	E	N
Freon TMC	G	C	G	G	G	G	G	E	E	Hydrafluid 760 (Texaco & Houghton)	N	N	N	E	X	N	X	E	N
Freon T-P35	E	E	E	E	E	E	E	E	E	Hydrafluid AZR&O, A, B, AA, C	N	N	N	E	X	N	X	E	N
Freon TA	E	E	E	E	E	E	E	E	E	Hydrasol A (Textile Drying)	N	N	N	E	X	N	X	E	N
Freon TC	X	G	E	E	E	E	G	E	E	Hydraulic Fluid (Petroleum)	X	X	G	E	X	G	X	E	E
Freon MF	X	G	C	E	X	G	X	E	E	Hydraulic Fluid	X	X	X	X	E	X	E	E	E
Freon BF	X	X	G	G	X	G	X	E	E	(Phosphate Ester Base)									
Fuel A (ASTM)	X	X	G	E	X	F	X	E	E	Hydraulic Fluid	G	G	E	E	E	E	E	E	E
Fuel B (ASTM)	X	X	F	E	X	X	X	G	G	(Poly Alkylene Glycol Base)									
Fuel ASTM C	X	X	C	G	X	X	X	G	G	Hydraulic & Motor Oil	X	X	C	E	X	G	X	E	E
Fuel Oil	X	X	G	E	X	E	X	E	E	Hydrazine	X	X	X	X	G	X	G	E	N
Fumaric Acid	E	E	G	E	X	G	X	E	E	Hydrazine Hydrate	X	X	X	X	G	X	G	E	N
Furan	X	X	X	X	C	X	C	E	E	Hydrazine Solution	X	X	X	X	G	X	G	E	N
Furfural	X	X	C	X	G	G	G	E	E	Hydrobromic Acid	E	X	X	F	E	E	G	E	E
Furfuryl Alcohol	X	X	C	X	C	C	C	E	E	Hydrochloric Acid, 37%	E	X	X	X	F	X	X	E	E
Fyrguard 150, 200	N	N	N	E	E	N	E	E	N	Hydrochloric Acid, 50%	E	C	X	X	G	E	C	E	E
Fyrquel 15R&O 220R&O, 550R&O	N	N	N	E	E	N	E	E	N	Hydrochloric Acid, 100%	G	C	X	X	C	G	C	E	E
Fyrquel 90, 150 220, 550, 1000	N	N	N	E	E	N	E	E	N	Hydrocyanic Acid	G	F	E	F	G	E	C	E	E
Gallic Acid	E	E	G	G	G	G	G	E	E	Hydro-Drive Oil (Houghton)	N	N	N	E	X	N	X	N	N
Gasohol	X	X	G	G	X	X	X	G	E	Hydroflouric Acid	X	X	X	X	E	E	X	C	E
Gasoline (oxgenated-Blended with MTBE)	X	X	G	G	X	X	X	G	E	Hydrogen Chloride	N	N	N	N	N	N	N	N	N
Gasoline - Regular	X	X	E	E	X	C	X	E	E	Anhydrous									
Gasoline - Hi-Test	X	X	G	E	X	X	X	E	E	Hydrogen Bromide Liquefied	X	X	N	X	X	N	E	N	N
Gasoline - Lead Free	X	X	G	G	X	X	X	E	E	Hydrogen Dioxide-10%	X	X	N	N	F	N	N	N	G
Gasoline (White)	X	X	G	G	X	X	X	G	N	Hydrogen Fluoride	X	X	N	X	G	N	E	N	N
Gas, Coal	N	N	N	N	N	N	N	N	N	Hydrogen Gas	G	G	E	E	E	G	E	E	E
Gas, High Octane	X	X	G	E	X	X	X	E	E	Hydrogen Peroxide, 3%	E	G	C	G	E	E	G	E	E
Gelatin	E	E	E	E	E	E	E	E	E	Hydrogen Peroxide , 10%	X	X	C	X	C	C	E	E	E
Glacial Acetic Acid	N	N	X	N	X	N	G	E	E	Hydrogen Peroxide 30%	X	X	X	X	X	C	E	E	E
Glauber's Salt	E	E	N	N	N	N	E	N	N	Hydrogen Peroxide, 90%	X	X	X	X	X	X	C	G	G
Gluconic Acid	X	X	C	C	C	G	C	E	E	Hydrogen Sulfide	X	X	E	X	E	G	E	E	E
Glucose	E	E	G	G	E	E	G	E	G	Hydrolube	N	N	G	E	G	N	E	N	E
Glue	E	E	E	E	E	E	E	E	E	Hydroquinone	G	G	X	X	G	C	G	E	E
Glycerine (Glycerol)	E	E	E	E	E	E	E	E	E	Hydroxyacetic Acid Solution	N	N	N	N	N	N	G	E	E
Glycerol Monolaurate	N	N	N	E	N	E	E	E	E	Hydroxyethyl Acrylate (HEA)	N	N	N	N	N	N	X	E	E
Glycol FR Fluids	N	N	N	E	N	E	N	N	N	Hydroxyethyl Acrylate Acid (HEA Acid)	N	N	N	N	N	N	X	E	E
Glycols	E	E	E	E	E	E	E	E	E	Hydroxypropyl Acrylate Acid	N	N	N	N	N	N	X	E	E
Glyphosate	N	N	N	N	N	N	E	N	E	Hylene	X	X	X	X	G	X	G	N	N
Graffinite	X	N	N	E	X	X	X	X	N	Hypochlorous Acid	G	G	G	X	G	E	G	E	E
Graphite	E	N	N	N	N	N	N	E	E	Ink Oil (Linseed Oil Base)	X	X	G	G	G	G	E	E	E
Grease	X	X	E	X	F	X	E	G	E	Insulating Oil	X	X	G	E	X	X	E	E	E
Green Sulfate Liquor	E	E	G	E	E	E	E	E	E	Iodine	X	X	X	X	X	F	X	E	E
Halium	E	E	E	E	E	E	E	N	N	Iron Acetate	X	X	X	X	E	X	G	E	E
Halowax Oil	X	X	X	X	X	X	X	E	E	Iron Hydroxide	C	C	E	G	E	G	G	E	E
Heptachlor in Petroleum Solvents	X	X	G	G	X	X	X	E	E	Iron Salts	E	E	E	E	E	E	E	E	E
Heptachlor in Petroleum Solvents, Water Spray	X	X	G	G	X	X	X	E	E	Iron Sulfate	E	E	E	E	E	E	E	E	E
Heptanal (Heptaldehyde)	X	X	X	X	X	X	G	E	E	Iron Sulfide	E	E	E	E	E	E	E	E	E
										Isoamyl Acetate	X	X	X	X	E	X	G	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Isoamyl Alcohol	E	E	E	E	E	E	E	E	G	Machine Oil Under 135°F	X	X	E	E	X	G	X	E	N
Isoamyl Bromide	X	X	X	X	X	X	X	G	G	Maganese Salts	X	X	N	E	N	E	N	E	N
Isoamyl Butyrate	X	X	X	X	C	X	C	G	G	Magnesium Acetate	X	X	X	X	E	X	G	E	E
Isoamyl Chloride	X	X	X	X	C	X	X	G	E	Magnesium Carbonate	E	E	E	E	E	E	E	E	E
Isoamyl Ether	X	X	X	X	X	X	X	E	E	Magnesium Chloride	E	E	E	E	E	E	G	E	E
Isoamyl Phthalate	X	X	X	X	E	X	G	E	E	Magnesium Chloride Brine	E	N	N	E	N	N	E	E	E
Isobutane	X	X	E	E	X	X	E	E	E	Magnesium Hydrate	E	G	E	G	E	G	E	E	E
Isobutanol (Isobutyl Alcohol)	E	E	E	E	E	E	E	E	E	Magnesium Hydroxide	E	E	E	E	E	E	G	E	E
Isobutyl Acetate	X	X	X	X	E	X	G	E	E	Magnesium Nitrate	E	E	E	E	E	E	E	E	E
Isobutyl Aldehyde	C	X	X	X	G	X	G	E	E	Magnesium Oxide, Slurry	G	N	E	G	N	N	E	E	N
Isobutyl Amine	G	C	X	X	G	C	G	E	E	Magnesium Sulfate	E	E	E	E	E	E	E	E	E
Isobutyl Bromide	X	X	X	X	X	X	X	G	G	Malathion 50 in Aromatic Solvents	X	X	C	C	X	X	X	E	E
Isobutyl Carbinol	E	E	G	E	E	E	E	E	E	Malathion 50 in Aromatic Solvents, Water Spray	X	X	E	E	X	X	X	E	E
Isobutyl Chloride	X	X	X	X	X	X	X	G	G	Maleic Acid	X	X	X	F	X	F	F	G	G
Isobutylene	X	X	X	X	E	X	X	E	E	Maleic Anhydride	X	X	C	X	C	X	C	E	E
Isobutyl Ether	X	X	X	X	X	X	X	E	E	Malic Acid	E	G	C	G	X	G	X	E	E
Isocyanates	C	X	X	X	G	C	G	G	E	Malt Extract (Maltine)	N	N	N	N	N	N	E	E	E
Isooctane	X	X	E	E	X	G	X	E	E	Manganese Sulfate	E	E	E	E	E	E	E	E	E
Isooctyl Alcohol	N	N	N	N	N	N	E	E	E	Manganese Sulfide	C	E	G	E	E	E	G	E	E
Isooctyl Thioglycolate	N	N	N	N	N	N	G	E	N	Manganese Sulfitte	C	E	G	E	E	E	G	E	E
Isopentane	X	X	E	E	X	X	X	G	G	Maxmul (Penzoil Hydraulic Fluid)	N	N	G	E	N	N	N	N	N
Isophorone	N	N	N	X	E	N	E	G	E	Mek	G	X	X	X	G	X	G	E	G
Isopropyl Amine	G	C	E	G	E	C	G	E	E	Mercuric Chloride	G	G	C	C	G	G	C	E	E
Isopropyl Acetate	X	X	X	X	E	C	G	E	E	Mercuric Cynaide Solution	G	G	E	G	G	E	G	E	N
Isopropyl Alcohol (Iso-propanol)	E	E	E	E	E	E	E	G	G	Mercurous Nitrate Solution	N	N	N	N	N	N	G	E	E
Isopropyl Amine	G	X	E	C	G	C	G	E	E	Mercury	E	E	E	E	E	E	E	E	E
Isopropyl Benzene	X	X	X	X	X	X	X	E	E	Mercury Vapors	E	E	E	E	E	E	E	E	E
Isopropyl Chloride	X	X	X	X	X	X	X	G	E	Mesityl Oxide (Methyl Isobutenyl Ketone)	X	X	X	X	G	X	G	E	E
Isopropyl Ether	X	X	X	C	X	C	X	E	E	Mesitylene	X	X	X	X	X	N	X	N	N
Isopropyl Toluene	X	X	X	X	X	X	X	E	E	Metallic Soaps	X	X	N	E	X	G	X	E	E
Jet Fuels	X	X	G	E	X	F	X	E	E	Methacrylic Acid	X	X	G	X	G	C	G	E	E
Kerosene	X	X	C	E	X	F	X	E	E	Methallyl Alcohol	G	N	N	E	G	G	N	N	N
Ketchup	N	N	E	E	N	N	N	N	N	Methane	X	X	G	E	X	G	X	E	E
Ketoglutaric Acid	N	N	N	N	N	N	G	E	E	Methanoic Acid	N	N	N	N	N	N	E	N	N
Ketones	G	G	X	X	G	X	E	E	E	Methanol	E	E	E	E	E	E	E	E	E
Lacquer	X	X	X	X	X	X	N	N	N	(Methyl Alcohol)									
Lacquer Solvents	X	X	X	X	X	X	X	E	E	Methyl Acetate	F	X	X	X	G	X	G	E	E
Lactic Acid - Cold	G	G	E	X	E	G	X	C	N	Methyl Acetoacetate	X	N	X	X	G	X	G	N	N
Lactic Acid - Hot	X	X	X	X	N	C	X	N	N	Methyl Acetone	X	N	N	X	G	X	E	N	N
Lactol	N	N	G	G	N	N	N	E	N	Methyl Acrylate	C	X	C	X	G	X	G	E	E
Lard	X	X	G	E	X	X	C	E	E	Methylacrylic Acid	X	X	N	G	E	N	G	E	E
Lasso (Alachlor)	N	N	N	N	N	N	E	N	N	Methylaniline	N	N	X	X	N	G	G	E	E
Latex Paint	G	G	N	E	G	N	E	E	E	Methyl Alcohol (Methanol)	E	E	E	E	E	E	E	E	E
Lauryl Alcohol	E	E	E	E	E	E	E	E	E	Methylalilyl Alcohol	G	N	N	E	G	G	N	N	N
Lavender Oil	X	X	X	G	X	X	X	G	N	Methylamine (30-40% in water)	N	N	N	X	N	N	G	E	N
Lead Acetate	X	X	G	G	E	X	G	E	E	Methyl Benzene (Toluene)	X	X	X	X	X	X	X	E	E
Lead Nitrate	E	E	E	E	E	E	E	E	E	Methyl Bromide	X	X	X	G	G	X	G	E	E
Lead Sulfamate	G	G	E	G	E	G	E	E	E	Methyl Butanathiol	X	X	N	N	X	N	X	E	N
Lead Sulfate	E	E	E	E	E	E	E	E	E	Methyl Butanol	N	N	N	E	E	N	E	E	E
Lead, Tetraethyl	X	X	X	G	X	X	X	G	N	Methyl Butyl Ketone	X	X	X	X	G	X	G	E	E
Lead, Tetramethyl	X	X	X	G	X	X	X	N	N	Methyl Carbitol	X	X	N	N	X	X	E	E	N
Lecithin	N	N	G	X	N	N	N	E	N	Methyl Cellosolve	X	X	G	C	G	C	G	E	E
Ligroin	X	X	E	E	X	X	X	E	E	Methyl Chloride	X	X	X	F	X	X	E	G	F
Lime	X	X	C	F	E	E	G	E	E	Methyl Chloroform	X	X	X	X	X	X	X	G	N
Lime, Chlorinated	G	G	X	G	G	X	G	E	E	Methyl Chloroformate	X	X	X	X	X	X	X	N	N
Lime Sulphur Solution	X	X	E	X	X	G	G	E	E	Methyl Cyclohexane	X	X	X	X	X	X	X	G	G
Limonene	X	X	N	X	N	N	X	G	E	Methyl Ethyl Acetate	X	N	N	X	E	G	X	E	G
Lindol (Tricresyl Phosphate)	X	X	X	X	E	G	E	E	E	Methyl Ethyl Alcohol	E	N	N	E	E	E	E	E	E
Linoleic Acid	X	X	X	X	X	X	X	N	N	Methyl Ethyl Carbinol	E	N	N	E	E	E	E	E	E
Linseed Oil	X	X	G	E	E	C	G	E	E	Methyl Ethyl Ketone	X	N	N	X	G	X	N	E	E
Liquid Petroleum Gas	X	X	G	E	X	G	X	E	E	Methyl Hexanone	X	N	N	X	G	X	N	N	N
Liquid Soap	E	E	E	E	E	E	E	E	E	Methylcyanide	N	N	N	N	N	N	X	N	N
Liquified Natural Gas	X	X	X	X	X	X	X	X	X	Methylene Bromide	X	X	X	X	X	X	X	G	C
Lubricating Oils	X	X	C	E	X	F	X	E	E	Methylene Chloride	X	X	X	X	X	X	X	E	G
Lye Solution	G	G	G	E	E	E	E	E	G										

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Methylene Dichloride	X	X	X	X	X	X	X	E	N	Nitric Acid - 20%	X	X	X	X	G	G	F	E	E
Methyl Ethyl Ketone (MEK)	G	X	X	X	G	X	G	E	E	Nitric Acid - 30%	X	X	X	X	F	F	F	G	G
Methyl Formate	C	C	G	X	G	C	G	G	G	Nitric Acid - 30% - 70%	X	X	X	X	F	F	C	F	F
Methyl Hexanol	E	E	E	E	E	E	E	E	E	Nitrobenzene	X	X	X	X	X	X	X	E	E
Methyl Hexyl Ketone	X	X	X	X	G	X	G	E	E	Nitroethane	G	G	C	X	G	G	X	E	N
Methyl Isoamyl Ketone	X	N	N	X	G	X	N	N	N	Nitrogen Gas	E	E	E	E	E	E	E	E	E
Methyl Isobutenyl Ketone	X	X	X	X	G	X	G	E	E	Nitrogen Oxide	X	X	X	X	E	E	G	E	N
Methyl Isobutyl Carbinol	G	C	G	G	E	G	E	E	E	Nitrogen Tetraoxide	X	X	X	X	X	X	X	X	X
Methyl Isobutyl Ketone (MIBK)	X	X	X	X	G	X	G	E	E	Nitromethane	G	G	C	X	G	C	G	E	E
Methyl Isopropyl Ketone	X	X	X	X	G	X	G	E	E	Nitropropane	C	C	C	X	E	C	G	E	E
Methyl Methacrylate	X	X	X	X	X	G	G	E	N	Nitrous Oxide Gas	E	E	E	E	E	E	E	E	E
Methyl Methacrylate Monomer, Inhibited	X	X	X	X	X	X	X	N	N	Nonenes	X	N	N	E	X	X	X	E	E
Methyl Normal Amyl Ketone	X	N	N	X	G	X	G	E	E	Octadecanoic Acid	X	X	G	E	G	X	C	E	E
Methyl Phenol	X	X	X	X	G	X	N	G	N	Octane	X	X	G	E	X	X	X	G	G
Methyl Propyl Carbinol	E	E	E	E	E	E	E	E	E	Octanol (Octyl Alcohol)	G	G	E	G	G	G	G	E	E
Methyl Propyl Ether	X	X	X	X	X	X	X	E	E	Octyl Acetate	X	X	X	X	E	X	G	E	E
Methyl Propyl Ketone	X	X	X	X	G	X	G	E	E	Octyl Aldehyde	X	N	N	X	X	X	N	N	N
Methyl Salicylate	X	X	X	X	G	X	G	G	G	Octyl Amine	C	C	G	C	G	C	G	E	E
Methyl Sulfate	X	X	X	X	G	X	X	E	N	Octyl Carbinol	E	E	E	E	E	E	E	E	E
Methyl Tertiary Butyl Ether (MTBE)	X	X	X	X	X	X	X	E	X	Octylene Glycol	E	E	E	E	E	E	E	E	E
Methylallyl Acetate	X	N	N	X	E	G	E	E	E	Oil, Astm #1	X	X	E	E	X	G	X	E	E
Methylallyl Chloride	X	N	N	X	X	X	N	G	E	Oil, Astm #2	X	X	E	E	X	C	X	E	E
Methyldiethanolamine	X	N	N	E	X	X	X	E	E	Oil, Astm #3	X	X	C	G	E	X	X	E	E
Metribuzin	N	N	N	N	N	N	E	N	E	Oil - Petroleum	X	X	E	E	X	F	X	E	E
Mineral Oil	X	X	C	E	X	G	X	E	E	Oil of Turpentine	X	X	G	E	X	X	X	G	G
Mineral Spirits	X	X	G	E	X	X	X	E	E	Oils, Animal (high fatty acid content)	X	X	G	E	G	X	X	G	N
Molasses	G	G	G	G	E	E	E	E	N	Oleic Acid	X	X	F	C	G	X	G	E	E
Molten Sulfur	X	X	N	N	G	F	X	X	N	Oleum (Fuming Sulf Acid)	X	X	X	X	X	X	X	X	X
Monochlorobenzene	X	X	X	X	X	X	X	G	G	Olive Oil	X	X	G	E	E	G	X	E	E
Monochlorodifluoromethane (Freon 22)	X	X	E	X	E	X	E	E	E	Organic Fatty Acids	X	N	N	E	X	X	X	E	E
Monoethanolamine	G	C	G	C	G	G	G	E	E	Ortho-Dichlorobenzene	X	X	X	X	X	X	X	E	E
Monochloroacetic Acid	G	N	N	X	X	X	X	E	E	Orthodichlorobenzol	X	N	N	X	X	X	X	E	E
Monoethylamine	X	X	X	X	G	X	E	G	N	Orthoxylene	X	X	N	N	X	X	X	E	G
Monoisopropanol Amine	G	N	N	G	E	X	N	E	E	OS 45 Hydraulic Fluid (Silicate Ester Base)	X	X	E	G	X	G	X	N	N
Monomethylether	G	G	E	E	E	C	C	E	E	Oxalic Acid	F	F	G	F	E	G	E	E	E
Monopentaerythritol Solution	N	N	N	N	N	N	E	E	E	Oxygen, Cold	G	G	G	G	E	G	E	E	E
Monosodium Phosphate	G	G	X	N	G	N	G	E	N	Oxygen, Hot	X	X	X	X	X	X	X	E	E
Monovinyl Acetate	X	X	X	X	G	C	C	E	E	Ozone	X	F	G	X	G	E	E	E	E
Morpholine	N	N	N	X	N	N	X	N	N	Paint Thinner	X	X	X	X	X	X	X	E	E
Motor Oil - 40W	X	X	E	E	X	X	X	E	E	Paint (Emulsion or Latex)	N	N	N	G	N	N	G	E	E
Muriatic Acid	E	X	X	X	F	X	F	E	E	Paint (Oil or Solvent Based)	X	X	N	G	X	X	X	E	N
Mustard	E	E	E	N	E	E	N	N	N	Palmitic Acid	X	X	C	E	E	C	C	G	E
N-Octane	X	X	G	G	X	X	X	G	N	Palm Oil	X	X	G	E	E	G	G	E	E
Naphtha	X	X	G	E	X	X	X	E	E	Papermakers Alum	E	E	E	E	E	E	E	E	E
Naphthalene	X	X	X	X	X	X	X	E	E	Para-Dichlorobenzene	X	X	X	X	X	X	X	G	G
Naphthenic Acids	X	X	X	G	X	X	X	E	E	Paraffin Wax	X	X	G	E	X	X	X	X	X
Natural Gas	X	X	F	F	X	F	X	C	X	Paraformaldehyde	X	X	G	G	G	G	G	E	E
Neatsfoot Oil	X	X	G	E	G	G	G	E	E	Paraldehyde	X	N	N	X	G	X	G	E	E
Neohexane	N	N	G	E	N	N	X	N	N	Paraxylene	X	N	N	N	X	X	N	E	E
Neon Gas	E	E	E	E	E	E	X	N	N	Peanut Oil	X	X	G	E	C	G	X	E	E
Neu-Tri (Trichloroethylene)	X	X	X	C	X	X	X	G	G	Pelargonic Acid	X	N	N	E	E	X	N	E	E
Neutral Oil	X	X	G	G	X	N	X	E	E	Pentachloroethane	X	X	N	N	X	X	N	E	E
Nickel Acetate	X	X	X	X	E	X	G	E	E	Pentachlorophenol in Oil	X	X	X	X	E	N	X	E	E
Nickel Chloride	E	E	E	E	E	E	E	E	E	Pentane	X	X	E	E	X	G	X	E	E
Nickel Nitrate	E	E	E	E	E	E	E	E	E	Pentanol	E	N	N	E	E	E	E	E	E
Nickel Plating Solution	E	X	C	G	G	G	G	E	E	Pentatone	X	N	N	X	G	X	N	E	E
Nickel Salts	E	E	E	E	E	E	E	E	N	Perchloric Acid-2N	G	G	E	X	G	E	C	E	E
Nickel Sulfate	E	E	E	E	E	E	E	E	E	Perchchloroethylene	X	X	X	X	X	X	X	G	G
Niter Cake	E	E	E	E	E	E	E	E	E	Petrolatum	X	X	E	E	X	C	X	E	E
Nitric Acid, Conc (16N)	X	X	X	X	G	G	E	G	N	Petroleum, Crude	X	X	G	E	X	X	X	E	E
Nitric Acid, Red Fuming	X	X	X	X	X	X	X	X	X	Petroleum Ether (Naptha)	X	X	E	E	X	X	X	E	E
Nitric Acid - 10%	X	X	X	X	G	G	G	E	E	Petroleum Naptha	X	X	X	X	X	X	X	X	X
Nitric Acid - 13N	N	N	N	N	N	N	C	N	N	Petroleum Oils	X	X	E	E	X	C	X	E	E
Nitric Acid - 13N + 5%	N	N	N	N	N	N	N	N	N	Petroleum Paraffin Wax	N	N	N	N	N	N	X	G	G
										Phenol	F	F	F	X	E	F	F	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Phenol Acid	X	X	X	X	G	X	G	G	N	Pyroligneous Acid	C	C	G	C	G	G	G	E	E
Phenolates	N	N	X	X	N	X	N	N	N	Pyrrrole	C	G	X	X	G	X	C	E	E
Phenosulfonic Acid	X	X	C	X	C	X	C	G	G	Quenching Oil	N	N	G	G	N	N	N	N	N
Phenyl Chloride	X	X	X	X	X	X	X	E	E	Quintolubric 822	N	N	G	E	X	N	G	E	N
Phenyhydrazine	C	X	X	X	G	C	C	E	E	Rando Oils	N	N	N	E	X	N	X	E	N
Phorone	X	X	X	X	E	X	G	E	E	Rape Seed Oil	X	X	G	G	E	G	G	G	G
Phosgene (Carbonyl Chloride)	X	X	X	X	G	X	X	X	X	Red Oil (Crude Oleic Acid)	X	X	G	G	G	G	G	E	E
Phosphate Esters	X	X	X	X	E	X	E	E	E	Refined Wax (Petroleum)	X	X	G	E	N	N	N	E	N
Phosphoric Acid 10%	E	E	E	E	E	E	E	E	E	Refrigerant 11 - Freon	X	X	C	E	X	F	F	G	G
Phosphoric Acid 10%-85%	F	F	G	F	E	E	E	E	E	Refrigerant 12 - Freon	X	X	G	E	X	X	X	G	G
Phosphorous Trichloride	X	X	X	E	E	X	E	E	E	Refrigerant 22 - Freon	X	X	E	X	E	X	X	E	E
Pickling Solution	C	C	C	C	C	C	C	E	E	Richfield A Weed Killer, 100%	X	X	X	X	X	X	X	G	G
Picric Acid, Molten	C	C	C	C	C	G	C	X	X	Richfield B Weed Killer, 33%	X	X	G	G	G	C	X	G	G
Picric Acid, Water Solution	E	C	G	G	E	E	G	E	E	Rosin Oil	X	X	E	E	X	G	X	E	E
Pinene	X	X	X	E	X	X	X	E	E	Rotenone And Water	E	E	E	E	E	E	E	E	E
Pine Oil	X	X	X	F	F	X	X	E	E	Rubilene Oils	N	N	N	E	X	N	X	E	N
Piperidine	X	X	X	X	X	X	X	G	G	Sal Ammoniac	E	E	E	E	E	E	E	E	E
Pitch	X	X	G	G	X	C	X	E	E	Salicylic Acid	E	G	X	X	E	E	E	E	E
Plating Solutions, Chrome	X	X	G	G	E	C	E	E	E	Sea Water	E	E	E	E	E	E	E	E	E
Plating Solutions, Others	E	E	G	G	E	C	E	E	E	Sevin	N	N	N	N	N	N	G	G	N
Polyvinyl Acetate Emulsion (PVA)	C	C	G	C	E	G	E	E	E	Sewage	F	F	G	E	F	E	G	E	E
Polyethylene Glycol	E	E	E	E	E	E	E	E	E	Silicate of Soda	E	E	E	E	E	E	E	E	E
Polypropylene Glycol	E	E	E	E	E	E	E	E	E	Silicate of Soda (Sodium Silicate)	E	E	E	E	E	E	E	E	E
Polyurethane Foam Under 125°F	N	N	N	N	G	N	G	E	N	Silicate Esters	X	X	E	G	X	E	X	E	E
Potassium Acetate	X	X	X	X	E	X	G	E	E	Silicone Greases	E	E	E	E	E	E	E	E	E
Potassium Bicarbonate	E	E	E	E	E	E	E	E	E	Silicone Oil	E	F	E	E	E	E	F	E	E
Potassium Bisulfate	E	E	E	E	E	E	E	E	E	Silver Cyanide	N	N	E	N	N	N	N	E	N
Potassium Bisulfite	E	E	E	E	E	E	E	E	E	Silver Nitrate	E	E	E	E	E	E	E	E	E
Potassium Bromide	E	E	E	E	E	E	E	E	N	Skelly Solvent	X	X	G	E	X	C	X	E	E
Potassium Carbonate	E	E	E	E	E	E	E	E	E	Skydrol Hydraulic Fluids	X	X	X	X	E	X	E	E	E
Potassium Chloride	E	E	E	E	E	E	E	E	E	Soap, Liquid	G	G	E	E	G	E	E	E	N
Potassium Chromate	X	X	F	X	E	F	G	G	G	Soap Oil	N	N	X	X	N	X	N	E	G
Potassium Cyanide	E	E	E	E	E	E	E	E	E	Soap Solutions	G	E	G	E	E	E	E	E	E
Potassium Dichromate	X	X	G	X	E	F	G	E	E	Soda Ash	E	E	E	E	E	E	E	E	E
Potassium Hydrate	E	G	G	E	G	E	E	E	E	Soda, Caustic (Sodium Hydroxide)	E	G	E	G	E	E	E	E	E
Potassium Hydroxide	E	E	C	E	E	E	E	E	E	Soda Lime	E	E	G	G	E	G	E	E	E
Potassium Iodide	N	N	E	E	N	E	E	N	N	Soda Niter (Sodium Nitrate)	E	E	E	E	E	E	E	E	E
Potassium Nitrate	E	E	E	E	E	E	E	E	E	Sodium Acetate	X	X	X	X	X	X	G	E	E
Potassium Permanganate 5%	X	X	X	X	E	X	E	E	E	Sodium Aluminate	E	E	E	E	E	E	E	E	E
Potassium Phosphate	N	N	E	N	N	E	E	N	N	Sodium Bicarbonate	E	E	E	E	E	E	E	E	E
Potassium Silicate	E	E	E	E	E	E	E	E	E	Sodium Bichromate Solution	G	G	G	G	E	G	E	E	N
Potassium Sulfate	E	E	E	E	E	E	E	E	E	Sodium Bisulfate	E	E	E	E	E	E	E	E	E
Potassium Sulfide	E	E	E	E	E	E	E	E	E	Sodium Bisulfite	E	E	E	E	E	E	E	E	E
Potassium Sulfite	E	E	E	E	E	E	E	E	E	Sodium Borate	E	E	E	E	E	E	E	E	E
Potassium Thiosulfate	N	N	E	N	N	E	E	N	N	Sodium Borate	E	E	E	E	E	E	E	E	E
Producer Gas	X	X	G	E	X	G	X	E	E	Sodium Carbonate	E	E	E	E	E	E	E	E	E
Propane	X	X	C	E	X	G	X	E	N	Sodium Chloride	E	E	E	E	E	E	E	E	E
Propanediol	E	E	G	E	E	E	E	E	E	Sodium Chlorite Solution	G	G	X	X	G	G	X	N	N
Propanol	E	N	N	E	E	E	E	E	E	Sodium Chromate	X	X	C	X	E	C	G	G	G
Propionic Acid	G	G	X	X	G	G	G	E	E	Sodium Cyanide	E	E	E	E	E	E	E	E	E
Propyl Acetate	X	X	X	X	G	X	G	E	E	Sodium Dichromate	X	X	C	X	E	F	G	E	E
Propyl Alcohol (Propanol)	E	E	E	E	E	E	E	E	E	Sodium Flouride	E	E	E	E	E	E	E	E	E
Propyl Aldehyde	X	N	N	X	G	X	N	N	N	Sodium Hydrate	G	G	G	G	G	G	E	G	N
Propyl Chloride	X	X	C	X	C	X	C	G	G	Sodium Hydroxide (Caustic Soda)	E	C	E	G	E	E	E	E	E
Propylene	X	X	X	X	X	X	X	N	N	Sodium Hypochlorite	F	X	X	X	G	F	G	G	G
Propylene Diamine	G	G	G	G	E	C	G	E	E	Sodium Metallic	N	N	N	G	N	N	E	N	N
Propylene Dichloride	X	X	X	X	X	X	X	G	G	Sodium Metaphosphate	E	E	G	E	E	G	E	E	E
Propylene Glycol	E	E	E	E	E	E	E	E	E	Sodium Nitrate	E	E	E	E	E	E	E	E	E
Propylene Tetramer	X	N	N	E	X	X	X	E	E	Sodium Nitrite	E	E	E	E	E	E	E	E	E
Purina Insecticide	N	N	X	X	G	N	G	E	N	Sodium Perborate	C	X	G	X	E	X	G	E	E
Puropale RX Oils	N	N	N	E	X	N	X	E	N	Sodium Peroxide	G	G	G	G	E	G	E	G	G
Pydraul Hydraulic Fluids	X	X	X	X	G	X	G	G	G	Sodium Phosphate	E	G	G	E	E	E	E	E	E
Pyranol	X	X	X	C	X	X	X	E	E	Sodium Silfhydrate	G	X	G	G	G	G	E	G	N
Pyrene (Carbon Tetrachloride)	X	X	X	X	X	X	X	G	X	Sodium Silicate	E	E	E	E	E	E	E	E	E
Pyridine	X	X	X	X	G	X	G	E	E	Sodium Sulfate	E	E	E	E	E	E	E	E	E

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Sodium Sulfide	E	E	E	E	E	E	E	E	E	Tin Chloride	E	E	E	E	E	E	E	E	E
Sodium Sulfite	E	E	E	E	E	E	E	E	E	Tin Tetrachloride	E	E	E	E	E	E	E	E	E
Sodium Sulphhydrate	N	N	G	G	E	G	E	G	N	Titanium Tetrachloride	X	X	G	F	X	F	F	E	G
Sodium Thiocyanate Solution	N	G	E	E	G	G	E	E	N	Toluene	X	X	X	X	X	X	X	E	E
Sodium Thiosulfate	E	E	E	E	E	E	E	E	E	Toluene Diisocyanate (TDI)	C	C	X	C	E	X	E	E	E
Soinus Oils	N	N	N	E	X	N	X	E	N	Toluidine	X	N	N	X	X	X	N	N	N
Soybean Oil	X	X	G	G	G	G	G	E	E	Toluol	X	N	N	X	X	X	X	E	E
Spent Acid	X	X	X	X	X	G	X	G	G	Toxaphene	X	X	G	G	X	X	X	E	E
Stannic Chloride	E	E	E	E	G	E	E	E	E	Transformer Oils (Petroleum Base)	X	X	G	E	X	G	X	E	E
Stannic Sulfide	E	E	E	E	E	E	E	E	E	Transformer Oils (Chlorinated Pheynyl Base Askerels)	X	X	X	X	X	X	X	G	G
Stannous Chloride	E	E	E	E	E	E	E	E	E	Transmission Fluids, A	X	X	C	G	X	X	X	E	E
Stannous Sulfide	E	E	E	E	E	E	E	E	E	Transmission Fluids, B	X	X	X	C	X	X	X	E	E
Starch	E	E	G	G	N	E	E	E	N	Tributoxyethyl Phosphate	X	X	N	X	G	X	G	E	X
Starch Gum	N	N	E	E	X	N	E	E	N	Tributoxy Ethysulphate	X	N	N	X	E	X	E	X	N
Steam - Below 350 Deg F	X	X	X	X	G	X	E	X	X	Tributyl Amine	G	G	G	G	E	C	E	E	E
Stearic Acid	X	X	G	G	G	G	E	E	E	Tributyl Phosphate	X	X	X	X	G	X	G	E	E
Stoddards Solvent	X	X	C	E	X	X	X	E	E	Tricetin	E	G	G	G	E	G	E	E	E
STPP (sodium tripolyphosphate)	G	G	N	N	G	N	G	G	N	Trichloroacetic Acid	C	G	X	G	G	X	G	E	N
Styrene	X	X	X	X	X	X	X	X	X	Trichlorobenzene	X	X	X	X	X	X	X	G	G
Sugar Solutions (Sucrose - Non F.D.A.)	E	E	E	E	E	E	E	E	E	Trichloroethane	X	X	X	X	X	X	X	E	E
Sulfamic Acid	C	C	G	G	E	G	E	E	E	Trichloroethylene	X	X	X	C	X	X	X	G	X
Sulfite Liquors	G	G	G	G	E	E	G	E	E	Trichloropropane	X	X	X	X	X	X	X	E	E
Sulfonic Acid	X	X	C	X	X	C	X	G	G	Tricresyl Phosphate (TCP)	X	X	X	X	E	X	G	E	E
Sulfur (Molten)	X	X	X	X	F	F	F	G	G	Tridecanol	E	E	E	E	E	E	E	E	E
Sulfur Chloride	X	X	C	C	X	G	X	E	G	Triethanolamine (TEA)	G	G	E	G	E	E	G	E	E
Sulfur Dioxide	F	F	G	X	G	G	F	G	G	Triethylamine	G	G	E	G	G	E	G	E	E
Sulfur Hexafluoride	E	E	E	E	E	E	E	E	E	Triethylene Glycol	E	E	E	E	E	E	E	E	E
Sulfur Trioxide	X	X	X	X	G	X	C	G	G	Trifluralin	X	N	N	X	X	X	X	E	E
Sulfuric Acid 60% (200F)	X	X	F	X	F	G	G	E	E	Trihydroxybenzoic Acid	G	G	X	X	G	N	E	E	E
Sulfuric Acid - Conc.	X	X	X	X	X	E	X	E	X	Trimethylbenzene	X	X	X	X	X	N	X	N	N
Sulfuric Acid - Fuming	X	X	X	X	X	X	X	X	X	Trinitrophenol	G	G	G	G	G	G	G	G	G
Sulfuric Acid 25%	G	G	G	E	E	E	G	E	E	Trinitrotoluene (TNT)	X	X	G	X	X	G	X	X	X
Sulfuric Acid 25% - 50%	G	X	X	F	E	E	E	E	E	Triphenyl Phosphate	X	X	C	X	E	C	G	E	E
Sulfuric Acid 50% - 96%	X	X	F	X	F	G	G	E	E	Tripoly Phosphate	G	G	N	N	G	N	G	G	N
Sulfurous Acid	G	C	G	C	G	E	G	E	E	Trisodium Phosphate	E	E	E	E	E	E	E	E	E
Sun R&O Oils	N	N	N	E	X	N	X	E	N	Tung Oil	X	X	G	E	C	G	X	E	E
Suntac HP oils	N	N	N	E	X	N	X	E	N	Turbine Oil	X	X	G	G	X	G	X	E	E
Suntac WR Oils	N	N	N	E	X	N	X	E	N	Turpentine	X	X	E	E	X	X	X	G	E
Sunvis Oils 700, 800, 900	N	N	N	E	X	N	X	E	N	2, 4D With 10% Fuel Oil	X	X	E	E	X	X	X	E	E
Synthetic Oil (Citgo)	N	N	N	N	X	N	X	E	N	Ucon Hydrolube Oils	X	X	G	E	E	X	E	E	E
Syrup	E	E	G	N	N	N	N	E	E	Undecanol	G	N	N	E	N	G	N	N	N
Tall Oil	X	X	G	E	X	G	X	E	E	Undecyl Alcohol	G	N	N	E	N	G	N	N	N
Tallow	X	X	E	E	X	X	X	E	E	Union Hydraulic Tractor Fluid	N	N	N	E	X	N	X	E	N
Tannic Acid	E	G	G	C	E	G	E	E	E	Unsymmetrical Dimethyl Hydrazine (UDMH)	X	X	X	X	E	E	E	C	C
Tar	X	X	G	G	X	X	X	E	E	Uran	G	C	G	G	G	E	G	E	E
Tar Bituminous	X	X	C	G	X	X	X	N	N	Urea	E	F	E	F	E	F	E	E	E
Tartaric Acid	E	E	G	E	E	E	G	E	E	Urethane Formulations	N	N	N	E	N	N	N	N	N
Tellus Oils	N	N	N	E	X	N	X	E	N	Uric Acid	N	N	N	N	N	N	N	N	N
Tergitol	N	N	N	N	N	N	N	N	X	Varnish	X	X	G	G	X	F	X	E	E
Terpineol	X	X	X	X	C	X	C	G	G	Vegetable Oils	X	X	G	E	E	G	C	E	E
Tertiary Butyl Alcohol	E	E	E	E	E	E	E	E	E	Versilube	C	C	C	E	E	E	E	E	E
Tetrachlorobenzene	X	X	X	X	X	X	X	G	G	Vinegar	E	F	E	C	E	E	G	E	E
Tetrachloroethane	X	X	X	X	X	X	X	E	G	Vinegar Acid	E	F	E	F	E	E	G	E	E
Tetrachloroethylene	X	X	X	X	X	X	X	E	E	Vinyl Acetate	X	X	X	X	G	F	F	G	X
Tetrachloromethane	X	X	X	X	X	X	X	G	G	Vinyl Benzene	X	X	X	X	X	X	X	G	G
Tetrachloronaphthalene	X	X	X	X	X	X	X	G	G	Vinyl Chloride	F	X	X	X	X	X	X	E	E
Tetradecanol	E	E	E	E	E	E	E	E	E	Vinyl Cyanide	N	N	N	N	N	N	N	N	N
Tetraethylene Glycol	E	E	E	E	E	E	E	E	E	Vinyl Ether	X	X	X	X	X	C	C	E	E
Tetraethyl Lead	X	X	C	G	X	X	X	E	E	Vinyl Styrene	N	N	N	N	N	N	N	N	N
Tetrahydrofuran (THF)	X	X	X	X	X	X	X	E	E	Vinyl Toluene	X	X	X	X	X	X	X	G	G
Tetrahydroxydicyclopentadiene	X	X	X	X	X	X	X	N	N	Vinyl Trichloride	X	X	X	X	X	X	X	E	E
Tetralin	X	X	X	X	X	X	X	N	N	Vitrea Oils	N	N	N	E	X	N	X	E	N
Theobromo Oil	X	X	G	G	N	N	N	E	G	V.M. & P. Naptha	X	X	E	E	X	X	X	E	E
Thionyl Chloride	X	X	X	X	X	X	X	E	E										
Thiopen	X	X	X	X	G	N	X	N	N										

CHEMICAL, OIL & SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
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
Zeric	N	N	N	E	X	N	X	E	N
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 Alkyl	4	4				
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 Phosphate Solution	4	4				
Aluminum Salts	1	1				
Aluminum Sulfate	1	1	1	1	1	1
Aminoethanol	2					
Ammonia - aqueous	1		1		3	
Ammonia - dry gas	2		2		3	
Ammonia - liquid	4		3		3	
Ammonium Acetate	1	1				
Ammonium Bicarbonate	1	1				
Ammonium Carbonate	1	1				
Ammonium Chloride Solution	1	1				
Ammonium Hydroxide (30% NH)	4	4				
Ammonium Metaphosphate	2					
Ammonium Nitrate	1	1	1	1	2	2
Ammonium Phosphate Solutions	1	1				
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 Acetate	4	4				
Amyl Alcohol	1	2	1	2	4	4
Amyl Chloride	4	4	4	4	4	4
Aniline	2	3	1	2		
Animal Gelatin	1					
Animal Oils	1	1	1	1		
Ant Oil	4	4				
Antifreeze	1	1				
Antimony Chloride	1					
Antimony Salts	1					
Apple - sauce/juice	1	1				
Aqua Ammonia	4	4				
Aqua Regia		3	4	2	3	
Argon, Compressed	4	4				
Aromatic Hydrocarbons	3	3	1	1		
Arsenic Acid 80%	1	2	1	1	4	4
Arsenic Trioxide	1					
Askarel (Transformer Oil)	4	4				
Asphalt	4	4				
ASTM Fuel #1 Oil	1	1	1	1	2	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
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
ASTM Oil No. 2	4	4				
Baby Food	1	1				
Baltic Types 100, 150, 200, 300, 500	2					
Barium Carbonate	1	1	1	1	1	1
Barium Chloride	1	1	1	1	1	1
Barium Hydroxide	4	4				
Barium Sulfate	1	1	1	1	1	1
Barium Sulfide	1	1	1	1	1	1
Barley	1	4				
Basic Copper Arsenate	1					
Beer	1	1				
Beet Sugar - liquor	1	1				
Bellows 80-20 Hydraulic Oil	2					
Benzaldehyde	4	4				
Benzene	4	4				
Benzene Sulfonic Acid 10%	1	1	1	1	4	4
Benzidine	4	4				
Benzoic Acid	2	3	1	2	4	4
Benzoic Aldehyde	4	4				
Benzol	4	4	2	3	3	4
Benzotrichloride	4	4				
Benzyl Alcohol	1					
Benzyl Chloride	4	4				
Black Liquor	1	1	1	1		
Blast Furnace Gas	4	4				
Bleach 12.5% active CL	2	3	1	2	3	4
Borax	1	2	1	1	1	1
Bordeaux Mixture	1	1	1	1		
Boric Acid	1	1	1	1		
Boric Oxide	1					
Brake Fluid (Petroleum Base)	2					
Brake Fluid (Synthetic Base)	2					
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
Bromobenzene	4	4				
Bromochloromethane	4	4				
Bromotoluene	4	4				
Bunker Oil	4	4				
Butadiene	3	4				
Butane	1	1	1	1	1	1
Butter	2	3				
Butyl Acetate	1					
Butyl Alcohol	1	2	1	2	1	2
Butyl Cellosolve	4	4	3	4		
Butyl Mercaptan	4	4				
Butyl Phenol	3	4	2	3		
Butyl Stearate	1					
Butylene	1	2	1	1	1	1
Butyric Acid 20%	3	4	2	3	3	4
Cake Alum Solution	1					
Calcium Arsenate	1					
Calcium Bisulfate	1	1	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
Calcium Bisulfide	2					
Calcium Bisulfite	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 Hydrosulfide	2					
Calcium Hydroxide	1	1	1	1	2	3
Calcium Hypochlorite	1	1	1	1	4	4
Calcium Metasilicate	1					
Calcium Nitrate	1	1	1	1	1	1
Calcium Silicate	1					
Calcium Sulfate	1	1	1	1	1	1
Calcium Sulfide	2					
Cane Sugar Liquors	1	1				
Carbon Dioxide	1	1				
Carbon Disulfide	4	4				
Carbon Monoxide	1	1	1	1	1	1
Carbon Tetrachloride	4	4	2	3	3	4
Carbolic Acid	4	4				
Carbonic Acid	1	1	1	1	4	4
Carrots	1	1				
Casein	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
Cellulose Acetate	1					
Cellulose Butyl	1					
Cheese	1	2				
China Wood Oil	2					
Chlordane	2					
Chlorinated Solvents	4	4				
Chlorine Gas - dry	1	1	1	1	4	4
Chlorine Gas - moist	3	4	2	3	4	4
Chlorine Trifluoride	4	4				
Chlorine Water 2%	3	4	2	3	3	4
Chloroacetyl Chloride	1					
Chlorobenzene	4	4				
Chlorobromomethane	4	4				
Chloroethane	4	4				
Chloroform	4	4				
Chloropentane	4	4				
Chloropicrin Mixture	4	4				
Chlorotoluene	4	4				
Chlorox	1					
Chocolate	2	3				
Chocolate Syrup	1					
Chromic Chloride	1					
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
Chromium Trioxide	4	4				
Cider	2					
Citgo FR Fuels	2					
Citric Acid	1	1				
Coal Gas	1					
Coal Tar			3	3		

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
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
Crude Wax	1					
Cupric Chloride	1					
Cupric Cyanide	1					
Cupric Nitrate	1					
Cupric Sulfate	1					
Cyanide, Copper	1					
Cyanide, Silver	1					
Cyanide, Sodium	1					
Cyclohexane	4	4				
Cyclohexanol	4	4				
Cyclohexanone	4	4				
Cymene	4	4				
Decanol	4	4				
Deicing Fluid	1	1				
Demineralized Water	1	1	1	1	3	4
Denatured Alcohol	1					
Detergents, synthetic	1	2	1	1		
Developers, photographic	1	1	1	1		
Dextrin	1					
Dextron	2					
Dextrose	1	2	1	1	1	1
Diacetone	4	4				
Diacetone Alcohol	4	4				
Diammonium Phosphate	1					
Diazinon	2					
Dibutyl Phthalate	1					
Dibutylamine	4	4				
Dichlorobenzene	4	4				
Dichlorobenzyl Chloride	4	4				
Dichloroethane	4	4				
Dichloroethylene	4	4				
Dichloromethane	4	4				
Diesel Oils	3	4	1	2		
Diethanolamine	2					
Diethyl Ether	2					
Diethyl Ketone	4	4				
Diethyl Oxalate	4	4				
Diethylene Dioxide	2					
Diethylene Ether	4	4				
Diethylene Glycol	1					
Dihydroxyethyl Ether	1					
Dimethylbenzene	4	4				
Dimethylcarbonal	2					
Dimethylketone	4	4				
Diocetyl Phosphite	4	4				
Dioxane	4	4				
Disodium Phosphate	1	1	1	1	1	1
Distilled Water	1	1	1	1	3	4
DMB (Dimethylbenzene)	4	4				

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
Duro Oils	2					
EDB (Ethylene Dibromide)	4	4				
Eggs	1	1				
Emulsions, photographic	1	1				
Enamels	2					
Essential Oils	2					
Ethanolamine	2					
Ethers	4	4	2	3	3	4
Ethyl Acetate	4	4				
Ethyl Acrylate	4	4				
Ethyl Alcohol	2	3				
Ethyl Alcohol 50 - 98%	3	4				
Ethyl Bromide	4	4				
Ethyl Chloride	4	4	4	4	4	4
Ethyl Ether	4	4				
Ethyl Ether Acetate	1					
Ethyl Mercaptan	4	4				
Ethyl Methyl Ketone	4	4				
Ethylbutanol	1					
Ethylbutyl Alcohol	1					
Ethylene Bromide	1	4	1	3	4	4
Ethylene Chlorohydrin	4	4				
Ethylene Dibromide	4	4				
Ethylene Dichloride	4	4				
Ethylene Glycol	1	1	1	1	2	3
Ethylhexanol	1					
Ethylhexyl Acrylate	4	4				
Ethylhexyl Alcohol	1					
Fatty Acid	2					
Fatty Alcohol, Blend	1					
Ferric Chloride	1	1	1	1	2	3
Ferric Nitrate	1	1	1	1	1	1
Ferric Sulphate	1	1	1	1	1	1
Ferrous Chloride	1					
Ferrous Nitrate	2					
Ferrous Sulfate Solution	1					
Fertilizer	2					
Fish Solubles	1	1	1	1	1	2
Fixing Solutions, Photo.	1	2				
Flour	1	4				
Flourobic Acid	1	1	1	1	1	1
Fluorine	1					
Fluosilic Acid	4	4				
Formaldehyde Solution (to 50%)	1					
Formalin	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 Pulp and Juices	1	1				
Fuel Oil	2	3	1	1	1	2
Fumaric Acid	4	4				
Furan	4	4				
Fusel Oil	1					
Gallic Acid Solution	4	4				
Gasohol	4	4				
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

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
Gasoline	4	4				
Gasoline - refined	3	4	1	1	2	3
Gasoline, Unleaded	4	4				
Gasoline, White	4	4				
Gelatin	1	1	1	1	1	1
Gin	1	2				
Glacial Acetic Acid	4	4				
Glucose	1	1	1	1	1	1
Glue	1					
Glycerine	1	1	1	1	1	1
Glycerol	1	1				
Glycol	1	1	1	1	2	2
Grape Juice	1	1				
Grapefruit Juice	1	1				
Grease	1					
Green Liquor (paper)	1	1				
Heptachlor	4	4				
Heptane	3	4	1	2	1	
Heptanol	1					
Hexane	3	4				
Honey	1	1				
HPO (Sodium Thiosulfate)	1					
Hydraulic Fluid	1					
Hydraulic Fluid (HF-18, HF-20)	2					
Hydrazine	4	4				
Hydro-Drive Oil (houghton)	2					
Hydrobromic Acid	4	4				
Hydrochloric 10%	1	1	1	1	4	4
Hydrochloric 48%	3	4				
Hydrocyanic Acid	4	4				
Hydrofluoric 4%	2	3				
Hydrofluoric 10%	3	3				
Hydrofluoric 48%	3	4				
Hydrofluoric 60%	3	4				
Hydrofluosilicic Acid	4	4				
Hydrogen	1	2	1	1	1	1
Hydrogen Peroxide	4	4				
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
Hydrolube (water glycol)	1	1				
Hydrolubric Oil	2					
Hydroquinone Solution	2					
Iodine	4	4				
Iron Acetate Liquor	1					
Iron Salts	1					
Iron Sulfate Solution	1					
Isobutanol	2					
Isobutyl Alcohol	2					
Isooctane	4	4				
Isopropanol	2					
Isopropyl Acetate	4	4				
Isopropyl Alcohol	1	2	1	1	3	4
Isopropyl Ether	4	4				
JP 3,4,5	4	4	2	3	3	3
Jet Fuel - All Types	4	4				
Karo Syrup	1	1				
Kerosene	4	4	1	1	1	1
Ketones	4	4				
Kraft Liquor (paper)	1	1				
Lacquer Thinner	3	4	2	2	3	3

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				
Latex Paint	1					
Lauric Acid	1	1	1	1	3	4
Lead Acetate	1	1	1	1	1	1
Lead Nitrate Solution	1					
Lead, Tetraethyl	1					
Lemon Juice	1	2				
Ligroin	4	4				
Lime, Chlorinated	2					
Lime Sulfur	1	1				
Linoleic Acid	1					
Linseed Oil	1	1	1	1	1	1
Liquid Soap	2					
Lubricating Oils	1	1	1	1	1	1
Machine Oil under 135°F	2					
Magnesium Carbonate	1	1	1	1	1	1
Magnesium Hydroxide	1	1	1	1	3	4
Magnesium Sulfate Solution	1					
Malathion	1					
Maleic Acid Solution	4	4				
Manganese Salts	1					
Manganese Sulfate Solution	1					
Mayonnaise	1	1				
MBK (Methyl Butyl Ketone)	4	4				
MEA (Ethanolamine)	2					
MEK (Ethyl Methyl Ketone)	4	4				
Mercuric Chloride	2	2	1	1	2	3
Mercuric Chloride Solution	2					
Mercury	2	2				
Mesitylene	4	4				
Mesityl Oxide	4	4				
Methanol	4	4				
Methyl Acetate	4	4				
Methyl Acetone	1					
Methyl Alcohol	3	4	2	3	3	4
Methyl Bromide	4	4				
Methyl Butanethiol	4	4				
Methyl Butanol	1					
Methyl Chloride	4	4				
Methyl Chloroform	4	4				
Methyl Cyanise	1					
Methyl Ethyl Ketone	4	4	2	3	3	4
Methyl Isobutenyl Ketone	4	4				
Methyl Isobutyl Ketone	4	4				
Methyl Isopropyl Ketone	4	4				
Methyl Methacrylate	1					
Methyl Methacrylate Monomer	4	4				
Methyl Propyl Ketone	4	4				
Methyl Slaicylate	1					
Methyl Sulfate	1					
Methylamine	4	4				
Methylaniline	4	4				
Methylene Bromide	4	4				
Methylene Chloride	4	4				
Methylene Dichloride	4	4				
Milk	1	1				
Mineral Oils	1	2	1	1	1	1
Molasses	1	1	1	1	1	1
Monochlorobenzene	4	4				
Monomethylamine	4	4				

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
Monosodium Phosphate	1					
Motor Oil	3					
Muriatic Acid	4	4				
N-Octane	4	4				
Naphthenic Acid	1					
Naptha	4	4	1	1		
Napthalene	3	4	1	1		
Nickel Acetate	1	1	1	1	1	1
Nickel Chloride Solution	1					
Nickel Nitrate Solution	2					
Nickel Plating Solution	4	4				
Nickel Salts	2					
Nickel Sulfate Solution	1					
Nicotine Acid	1	2	1	1	3	4
Nicotine Salts	1					
Niter Cake	1					
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
Nitrobenzene	4	4				
Nitrogen	1					
Nitrogen Oxide	4	4				
Nitromethane	4	4				
Nitrous Acid (up to 10%)	1					
Nitrous Oxide	4	4				
Oats	1	4				
Octadecanoic Acid	1					
Octanol	2					
Octyl Alcohol	2					
Oil of Turpentine	1					
Oils, Animal	2					
Oils, Mineral	4	4				
Oils, Petroleum	1	2	1	1	1	1
Oleic Acid	2	3	1	1	4	4
Oleum	4	4	4	4	4	4
Olive Oil	2					
Orange Juice	1	1				
Ortho-Dichlorobenzene	4	4				
Ortho-xylene	4	4				
Oxalic Acid	4	4				
Oxygen	1	1				
Ozone	3	4				
Paint	1					
Paraffin	1	2				
Paraformaldehyde	1					
Peanut Butter	1	2				
Peanut Oil	2					
Pentachlorophenol in Oil	4	4				
Pentane	3	4				
Pentanone	4	4				
Pentasol	2					
Perchloric Acid	4	4				
Perchloroethylene	4	4				
Petrol	4	4				
Petroleum Ether	3	3	1	1		
Petroleum Naptha	4	4				
Petroleum Oil (Refined)	1					
Petroleum Oils (Sour)	2					
Phenol	4	4				

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
Phenol Acid	4	4				
Phenyl Chloride	4	4				
Phosgene (gas)	1	2				
Phosgene (liquid)	4	4				
Phosphoric Acid 89%	1	1			4	4
Phosphorous (yellow)	2	3				
Photographic Fixing Solutions	1					
Picric Acid	4	4	4	4	4	4
Pinene	4	4				
Pitch	2	3	1	1		
Plating Solutions	1	2				
Polyethylene Glycol	2					
Potash	1					
Potassium Acetate	1					
Potassium Bicarbonate	1	1	1	1	1	1
Potassium Bisulfate	1					
Potassium Bromate 10%	1	1	1	1	1	1
Potassium Bromide	1	1	1	1	1	1
Potassium Carbonate	1					
Potassium Chlorate	1					
Potassium Chloride	1	1	1	1	1	2
Potassium Chromate	1					
Potassium Cuprocyanide	1					
Potassium Cyanide	1	1	1	1	1	1
Potassium Dichromate	1					
Potassium Ferrocyanide	1					
Potassium Flouride	1	1	1	1	1	2
Potassium Hydrate	2					
Potassium Hydroxide	1					
Potassium Iodide	1					
Potassium Nitrate	1	1	1	1	1	1
Potassium Perborate	1	1	1	1	1	1
Potassium Permanganate	4	4				
Potassium Persulfate	1					
Potassium Sulfate	1					
Potassium Sulfide	1	1	1	1	1	1
Potassium Sulfite	2					
Potassium Thiosulfate	1					
Propane	1	1	1	1	1	1
Propyl Alcohol	1	2	1	1	2	3
Propylene Glycol	1					
Puropale RX Oils	2					
Pyrene	4	4				
Pyrethrum	2					
Pyridine	4	4				
Pyrogard C, D	2					
Red Oil	2					
Regal Oils R&O	2					
Richfield A Weed Killer	1	2				
Rubilene Oils	2					
Salicylic Acid	1					
Salt Water	1	1	1	1	2	3
Sauerkraut	2					
Sewage	2					
Shortening	2	3				
Silicone Greases	2					
Silicone Oils	2					
Silver Cyanide	1					
Silver Nitrate	1	1	1	1	1	1
Silver Plating Solution	1	2	1	1	1	1
Skydrol 500A & 7000	4	4				

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
Soap	1	1	1	1	2	3
Soda Ash	1					
Soda Water	1	1				
Sodium Acetate	1					
Sodium Alimate Solution	2					
Sodium Benzoate	1	2	1	1	1	1
Sodium Bicarbonate	1	1	1	1	1	1
Sodium Bichromate Solution	2					
Sodium Bisulfite	1					
Sodium Borate	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 Chlorite Solution	2					
Sodium Chromate	2					
Sodium Cyanide	1	1	1	1	1	1
Sodium Dichromate	1	2	1	2	1	2
Sodium Ferricyanide	1					
Sodium Ferrocyanide	1					
Sodium Fluoride	1					
Sodium Hydrate	2					
Sodium Hydrochlorite	2					
Sodium Hydrosulfide	1					
Sodium Hydrosulfite	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 Hypochlorite (20%)	1					
Sodium Hyposulfate	1					
Sodium Metaphosphate	1					
Sodium Nitrate	1					
Sodium Peroxide	1					
Sodium Phosphate	1					
Sodium Phosphate Acid	2	2	1	2	4	4
Sodium Silicate	1					
Sodium Sulfate	1					
Sodium Sulphydrate	2					
Sodium Sulfide	1					
Sodium Sulfite	1					
Sodium Sulphrydate	2					
Sodium Thiosulfat	1					
Solnus Oils	1					
Sour Crude Oil	4	4				
Soya Beans	1	4				
Soya Oil	1	3				
Soybean Oil	1	1				
Spent Acid	4	4				
Stannic Chloride	2					
Stannis Chloride	1	1	1	1	1	2
Starch	1					
Starch Gum	1					
Stearic Acid	1					
Stoddard Solvent	2					
Straight Synthetic Oils	2					
Sugar - all forms	1	1				
Sulfamic Acid	4	4				
Sulfate Liquors under 150°F	1					
Sulfur	2	2				
Sulfur Chloride	2					
Sulfur Dioxide (dry)	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
Sulfur Dioxide (liquid)	4	4				
Sulfur Hexafluoride (Gas)	2					
Sulfur Trioxide	1					
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
Sun R&O Oils	2					
Suntac HP Oils	2					
Suntac WR Oils	2					
Sunvis Oils 700, 800, 900	2					
Synthetic Oil (Citgo)	2					
Tall Oil	4	4				
Tallow	2					
Tannic Acid	1	1	1	1	3	4
Tar Oil	2					
Tartaric Acid	1	2	1	1	2	3
TEA (Triethanolamine)	2					
Tellus Oils	2					
Tenol Oils	2					
Terpineol	2					
Tetrachloroethane	4	4				
Tetraethyl Lead	2	3			2	2
Tetrahydrofuran	4	4				
Tetrahydroxydicyclopentadiene	4	4				
THF (Tetrahydrofuran)	4	4				
Tin Chloride	1	1	1	1	1	1
Toluol	4	4				
Toluene	4	4	2	2	3	4
Tomatoes	1	1				
Trichlorethylene	4	4			3	4
Trichloroethane	4	4				
Triethanolamine	3	4				
Trihydroxybenzoic Acid	4	4				
Trimethyl Benzene	4	4				
Trimethyl Propane	3	4				
Trinitrophenol	1					
Trisodium Phosphate	1	1	1	1	1	1
Tung Oil	2					
Turpentine	3	4	1	1	2	3
Ucon Hydrolube Types 150CP, 200CP	2					
Ucon Hydrolube Types 275CP, 300CP, 550CP	2					
Ucon M1	2					
Union Hydraulic Tractor Fluid	2					
Urea	1	2	1	1	1	1
Urine	1	1	1	1	1	1
Varnish	4	4	1	1	1	2
Vegetable Oils	2					
Versilube F-50, F-44	2					
Vinegar	1	2				
Vinyl Chloride	4	4				
Vinyl Trichloride	4	4				
Vitrea Oils	2					
Water Acid - mine water	1	1	1	1	3	4
Water in Oil Emulsions	1					
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				

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.

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
Wines	1	2				
Wood Oil	1					
Xylene	4	4	1	1	2	3
Xylol	4	4	1	1	2	3
Yeast	1	2				
Yogurt	1	2				
Zeric	2					
Zinc Acetate	1					
Zinc Chloride Solutions	1					
Zinc Chromate	1	1	1	1	1	1
Zinc Cyanide	1	1	1	1	1	1
Zinc Hydrate	1					
Zinc Nitrate	1	1	1	1	1	
Zinc Sulfate	1	1	1	1	1	1

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	
E	- EXCELLENT
G	- GOOD
F	- FAIR
X	- NOT RECOMMENDED
C	- CONTACT FACTORY

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

- 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.
- 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
Absorption Oil		E						Aluminum Acetate		X		E	E		
Acetal		E						Aluminum Bromide		X	X	G	G		
Acetaldehyde	E	E	E	E	E		E	Aluminum Chloride	X	X	X	X	X	A	A
Acetamide	E	X		G				Aluminum Fluoride	G	X	X	G	G		E
Acetate Solvents (Crude)	E	X	G	E	E	A	X	Aluminum Nitrate	F	X	X	G	G	A	A
Acetate Solvents (Pure)	E	E	X	E	E	A	X	Aluminum Potassium Sulfate	G	G	X	X	G	X	A
Acetic Acid (80%)	F	X	X	E	E	X	X	Aluminum Salts	G			G	G		E
Acetic Acid (50%)	G	X	X	G	E	X	X	Aluminum Sulfate	X	X	X	C	G	A	A
Acetic Acid (20%)	G	X	X	G	E	X	X	Amines (Mixed)	X	X		E			
Acetic Acid (10%)	G	X	X	E	E	X	X	Aminoethanol		E	E	E	E		
Acetic Anhydride	G	X	G	G	G	X	X	Ammonia Anhydrous	E	X	E	G	E	A	X
Acetic Ether	E	E	E	E	E		G	Ammonia Gas	X	X	E	E	E	A	X
Acetic Oxide	G	X	X	G	G		X	Ammonia Nitrate	C	C	C	C	C	X	C
Acetone	E	G	G	E	E	A	X	Ammonium Acetate		X		E	E		E
Acetophenone							G	Ammonium Bifluoride	C	X	X	C	C	X	A
Acetylene	E	X	G	E	E	X	X	Ammonium Carbonate	G	X	G	G	G	A	A
Acetylene Dichloride							X	Ammonium Casenate	C	C	C	C	C	A	C
Acetyl Oxide	G	X	X	G	G		X	Ammonium Chloride	X	X	X	X	X	A	A
Aeroshell 7A, 17 Grease	E		E	E	E			Amyl Chlorides (mixed)				E	E		X
Air 212 [®] F	E	E	E	E	E			Ammonium Hydroxide	G	X	E	G	G	A	A
Air, Ambient	E	E	E	E	E		E	Ammonium Metaphosphate	X		E	E	E		E
Aircraft Hydraulic Oil AA	E	E	E	E	E			Ammonium Nitrate	G	X	X	C	C	A	A
Alachlor (Lasso)				E	E			Ammonium Nitrite				E	E		E
Alcohol - Amyl	G	G	G	G	G	A	X	Ammonium Persulfate		X		E	E		X
Alcohol - Benzyl	G	G	G	E	E	A	X	Ammonium Phosphate	X	X	X	E	G	A	A
Alcohol - Butyl	E	G	G	E	E	X	X	Ammonium Sulfate	X	X	X	X	G	A	A
Alcohol - Diacetone	E	E	G	G	G	X	X	Ammonium Sulfide	X	X	E	E	E		E
Alcohol - Ethyl	E	G	G	G	G	X	X	Ammonium Thiocyanate			E	E	E		E
Alcohol - Hexyl	C	C	C	C	C	X	X	Amyl Acetate	X	E	X	E	E		X
Alcohol - Isobutyl	C	C	C	C	C	X	X	Amyl Alcohol	E	E	E	E	E		
Alcohol - Isopropyl	G	G	G	G	G	X	X	Amyl Chloride				E	E		X
Alcohol - Methyl	G	G	G	G	G	X	X	Amyl Chloronaphthalene				E	E		
Alcohol - Octyl	C	C	C	C	C	A	X	Amyl Naphthalene				E	E		
Alcohol - Propyl	G	G	G	E	E	X	X	Amyl Phenol				E	E		
Alkyaryl Sulfonate			E	E				Anethole	G	X	G	E	E		E
Allomalaic Acid Solution			E	E				Aniline	C	X	X	E	E	X	X
Allyl Chloride			E	E			G	Aniline Hydrochloride		X		X	X		G

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
Aniline Oil	G	X	G	E	E		E	Butter Oil (Use FDA Hose)	E	E	E	E	E		
Animal Fat (Lard)	E	X	E	E	E			Butyl Acetate	E	G	G	G	G	A	X
Animal Gelatin				E	E			Butyl Alcohol	E	E	E	E	E		E
Animal Oils	E		E	E	E			Butyl Carbitol	E	E	E	E	E		
Ant Oil	E	E	G	E	E		G	Butyl Ether	E	E	E	E	E		
Antifreeze	E	E	E	E	E		E	Butyl Mercaptan				E	E		
Aqua Ammonia		X	G	E	E		E	Butyl Stearate	E	E	E	E	E		
Aqua Regia				X	X		X	Butylamine	E	E	E	E	E		X
Aromatic Hydrocarbons	G	G	E	E	E			Butyric Acid	G	G	X	G	G	A	A
Arsenic Acids	G		G	E	E		G	Cake Alum	X	X	X	X	G		E
Askarel (Transformer Oil)		E	E	E	E		G	Calcine Liquor	G		E	E	E		
Asphalt		E	E	E	E			Calcium Acetate	E	E	E	E	E		
Asphalt (Cut Back)		E	E	E	E			Calcium Bisulfate	X	C	X	X	G	X	A
ASTM Oil No. 1	E	E	E	E	E		G	Calcium Bisulfide	C	C	C	C	G	A	A
ASTM Oil No. 2	E	E	E	E	E		X	Calcium Bisulfite	X	X	X	C	G	X	A
ASTM Oil No. 3	E	E	E	E	E		X	Calcium Bromide	X	G	X	X	X	X	X
ASTM Reference Fuel A	E	E	E	E	E		X	Calcium Carbonate	X	G	G	E	G	A	A
ASTM Reference Fuel B	E	E	E	E	E		X	Calcium Chlorate				G	E		E
ASTM Reference Fuel C	E	E	E	E	E		X	Calcium Chloride	C	G	G	C	C	A	A
Baltic Types 100, 150, 200, 300, 500							G	Calcium Hydrogen Sulfite				E	E		E
Banvel				E	E			Calcium Hydrosulfide		X		G	E		E
Bardol B			E	E	E			Calcium Hydroxide	X	G	G	G	G	A	A
Barite		G	E	E	E			Calcium Hypochlorite	X	X	X	X	G	X	A
Barium Carbonate	X	G	G	G	G	A	A	Calcium Metasilicate	E	E	E	E	E		
Barium Chloride	C	G	C	X	C	A	A	Calcium Nitrate Solutions	E	E	E	E	E		E
Barium Hydroxide	X	G	G	G	G	A	A	Calcium Oxide					G		
Barium Sulfate	G	G	X	G	G	A	A	Calcium Silicate	E	E	E	E	E		
Barium Sulfide	X	X	G	G	G	A	A	Calcium Sulfate		E	E	E	E		E
Beer	E	G	G	E	E	A	A	Calcium Sulfide	G		E	E	E		
Beet Sugar Liquors	X		X	X	X		X	Caliche Liquors				E	E		
Bellows 80-20 Hydraulic Oil							X	Cane Sugar Liquors	E	G	E	E	E		E
Benzaldehyde	G	G	X	G	G	X	X	Carbolic Acid	G	X	X	E	E		
Benzene, Benzol	E	G	G	G	G	A	X	Carbolic Acid (Phenol)	G	X	X	E	E		
Benzenesulfonic Acid	X		X	G	G		E	Carbolic Acid (Phenol, 82-95% IN Creosols)	G	X	X	E	E		
Benzidine	E	E	E	E	E			Carbon Bisulfide	E	X	G	G	G	A	X
Benzine	E	G	G	G	G	A	X	Carbon Dioxide - Dry	E	E	G	G	G	A	A
Benzoic Acid	G	G	X	G	G	X	X	Carbon Dioxide - Wet	E	X	F	G	G	X	A
Benzoic Aldehyde			E	E	E		E	Carbon Disulfide	E	X	G	G	G	A	X
Benzol	E	E	E	E	E		X	Carbon Monoxide	E	E	G	E	E	A	A
Benzyl Alcohol, Photo Inhibited			E	E	E		E	Carbon Tetrachloride	X	C	G	E	C	A	X
Benzyl Benzoate			E	E	E			Carbonic Acid	E	G	G	G	G	X	A
Bismuth Carbonate			E	E	E		E	Castor Oil	G	G	G	G	G	X	A
Bitumastic		E	E	E	E			Caustic Potash	X	C	X	C	G	A	A
Black Liquor			E	E	E		E	Caustic Soda	X	G	G	C	C	X	A
Black Sulfate			E	E	E		E	(see Sodium Hydroxide)							
Blast Furnace Gas		E	E	E	E			Cellosolves	G	G	G	G	G	X	A
Bleach (12.5% active Chlorine)	X	C	X	C	X	X	A	Cellosolve Acetate			E	E	E		E
Borax	X	G	G	E	E	X	A	Cellosolve Butyl			E	E	E		E
Bordeaux Mixture			E	E	E			China Wood Oil	E	E	E	E	E		
Boric Acid	E	X	X	C	C	X	A	Chlorine - Liquid	C	C	G	C	F	X	X
Brake Fluid (Petroleum Based)		E	E	E	E		X	Chlorine Water				X	X		E
Brake Fluid (Synthetic Based)		E	E	E	E			Chloroacetic Acid Solution		G	X	X	X		E
Brine Acid	E	X	X	C	C	X	A	Chlorobenzene	E	E	E	E	E		X
Bromic Acid	X	X	C	C	C	X	A	Chlorobromomethane		E	E	E	E		X
Bromine	E	E	E	E	E			Chloroform	C	C	X	C	C	X	X
Bromine Liquid	G	C	C	X	X	X	X	Chloropentane				E	E		X
Bromochloromethane		E	E	E	E		X	Chloropropylene Oxide			E				E
Bunker Oil	E	E	E	E	E			Chlorosulfonic Acid	C	X	G	X	X	X	X
Butadiene, Butylene	G	G	G	G	G	X	X	Chlorothene		E		E	E		
Butanal		E						Chlorotoluene	E	E	E	E	E		
Butane	G	G	E	G	G	X	X	Clorox (5.5% bleach)	X	C	X	C	G	X	C
								Chromic Acid (50%)	G	X	X	F	C	X	X

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
Chromium Trioxide	X	X	X	X	G		E	Diethylene Glycol	E	E	E	E	E		E
Citric Acid	F	X	X	F	C	X	X	Dihydroxyethyl Ether	E	E	E	E	E		E
Coal Tar	E	E	E	E	E			Diisobutyl Ketone		E	E	E	E		E
Cobalt Nickel Plating Solution					G			Diisobutylene		E		E	E		
Cocoa Butter			E	E	E			Diisopropyl Ketone		E	E	E	E		
Cod Liver Oil	E	E	E	E	E			Diisopropylidene Acetone		E	E	E	E		
Coke Oven Gas	G	F	G	G	G	X	X	Dimethyl Aniline		E					
Copper Arsenate			E	E	E			Dimethyl Ether	E	E	E	E	E		
Copper Chloride	X	X	X	X	X	A	A	Dimethyl Formamide		E	E	E	E		E
Copper Cyanide	X	X	C	G	G	X	C	Dimethyl Phthalate		E					
Copper Nitrate		X	X	E	E		E	Dimethylcarbinol	E	G	E	E	E		E
Copper Sulfate	X	X	X	C	G	A	A	Dimethylformamide			E	E	E		E
Corn Oil	E	E	E	E	E		X	Dimethylketone	E	E	E	E	E		G
Corn Syrup	E		E	E	E			Diocetyl Phthalate	E	E	E	E	E		X
Cottonseed Oil	E	E	E	E	E		E	Dioxane	E	E	E	E	E		E
Creosote	E	X	G	E	E		G	Dioxolane	E	E	E	E	E		
Cresol	E		G	E	E		G	Dipentene	E	E	E	E	E		
Crotonic Acid			E	X				Dirco Oils	E	E	E	E	E		
Crude Oil	E	E	E	E	E		E	Disodium Phosphate	C	C	E	C	E	A	A
Crude Wax		E	E	E	E		E	DMF (Dimethylfomamide)			E	E	E		E
Cryolite		E	E	E	E		X	Dowtherm A	E	E	E	E	E		
Cryylic Acid	G	G	G	G	G	X	X	Dowtherm SR-1	E	E	G	E	E		E
Cupric Arsenate			E	E	E			Duro Oils	E	E	E	E	E		
Cupric Nitrate		X	X	E	E		E	Enamels		E					
Cutting Oil (Mineral Oil Base)		E	E	E	E		X	Epichlorohydrin			E				E
Cutting Oil, Sulfur Base		E	E	E	E		E	Essential Oils	E	E	E	E	E		
Cutting Oil , Water Soluble		E	E	E	E		E	Ethanol	E	G	E	E	E		E
Cyanide, Copper		X		E	E		E	Ethanolamine		E	E	E	E		
Cyanide, Mercuric	X						E	Ethers	E	E	E	E	E		G
Cyanide, Silver							E	Ethyl Acetate	C	C	G	G	G	A	X
Cyanide, Sodium	X	X	G	E	E			Ethyl Acetoacetate	E	E	E	E	E		X
Cyclohexane	G	G	G	G	G	A	X	Ethyl Alcohol	E	G	E	E	E		E
Cyclohexanol							E	Ethyl Bromide		E		E	E		
Cyclohexanone	G			E	E		X	Ethyl Butyrate	E			E	E		
Cymene	E	E	E	E	E			Ethyl Chloride	C	C	G	C	E	A	X
Decalin		E					E	Ethyl Ether	E	E	G	E	E		E
Deicing Fluid	E	E	G	E	E		E	Ethyl Mercaptan			G				
Denatured Alcohol	E	E	E	E	E			Ethyl Pentachlorobenzene		E	G	E	E		
Detergents	G	G	G	E	G	A	A	Ethyl Phthalate		E		E	E		
Developing Solutions				E	E			Ethyl Silicate	E	E	E	E	E		
Dextrin				E	E		E	Ethylamine		E	E	E	E		
Dextrose	G	C	C	C	C	A	A	Ethylbenzene		E	E	E	E		
Diacetone		E	E	E	E		E	Ethylcellulose		E	E	E	E		
Diacetone Alcohol	E	E	E	E	E		E	Ehylene Chloride	C	C	G	C	C	A	X
Diammonium Phosphate	X		X	G	E		E	Ehylene Dichloride	C	G	G	G	G	A	X
Diazinon							G	Ehylene Glycol	E	G	G	G	G	A	X
Dibenzyl Ether	E	E	E	E	E			Ehylene Oxide	E	X	G	G	G	X	X
Dibutyl Phthalate	E	E	E	E	E		G	Fatty Acids	E	F	X	C	E	A	A
Dibutylsebacate		E						Ferric Chloride	X	X	X	X	X	X	A
Dichlorobenzene (ortho)		E		E	E			Ferric Hydroxide	C	C	C	E	E	A	C
Dichlorobenzene (para)		E		E	E			Ferric Nitrate (10 - 50%)	X	X	X	G	G	X	A
Dichloroethylene							X	Ferric Sulfate	X	X	X	C	C	X	A
Dichloromethane		E	E	E	E			Ferrous Chloride	X	X	C	X	X	X	A
Diesel Fuels	E	E	G	E	E	A	X	Ferrous Nitrate				E	E		E
Diethanolamine - 20%	E	X	E	E	E			Ferrous Sulfate	G	G	X	G	C	X	A
Diethanolamine	E	X	E	E	E			Fertilizer	E	E	E	E	E		E
Diethyl Ether	E	E	G	E	E		E	Fire-Resistant Hydra-Fluid	E	E	E	E	E		
Diethyl Phthalate		E		E	E			Fixing Solution (Photo)				E	E		E
Diethyl Sebacate		E		E	E			Fluoboric Acid	X	C	E	C	C	X	A
Diethylamine	G	C	X	G	G	X	A	Fluosilicic Acid	E						E
Diethylene Dioxide	E	E	E	E	E		E	Formaldehyde (50%)	C	G	X	E	E	X	A
Diethylene Ether	E	E	E	E	E		E	Formic Acid (Anhydrous)	E	X	X	C	C	X	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
Freon 11	G	G	X	G	G	X	X	Hydrogen Chloride (Dry Gas)	X	G	G	C	C	X	A
Freon 12	G	G	X	G	G	X	X	Hydrogen Gas	E	E	C	E	E	X	A
Freon 22	G	G	X	G	G	X	X	Hydroquinine				E	E		
Fruit Juices	G	G	X	G	G	A	A	Hydroquinine Solution				E	E		
Fuel Oil	G	G	G	G	G	A	X	Hypo chlorous Acid	X	X	X	X	X	X	X
Fumaric Acid				E	E			Ink (Printers)		G	G	G	E		
Furan	E	E	E	E	E			Ink Oil		E	E	E	E		
Furfural	G	G	G	G	G	A	X	Insulating Oil		E	E	E	E		
Furfuran	E	E	E	E	E			Iodine	E	X	X	X	X	X	A
Fusel Oil	E	E	E	E	E			Iron Acetate Liquor			E	E	E		E
Fyrquard 150, 200	E	E	E	E	E			Iron Sulfate Solution	X	X	X	E	E		E
Fyrquel 15R&O, 220R&O, 550R&O	E		E					Isobutanol	E	G	E	E	E		
Fyrquel 90, 150, 220, 300, 550, 1000	E		E					Isobutyl Alcohol	E	G	E	E	E		
Gallic Acid			X	E	E		E	Isocyanate			E	E	E		
Gasohol	E	E	G	E	E		X	Isooctane	G	E	E	E	E		
Gasoline (Oxygenated-Blended with MTBE)	E	E	G	E	E		X	Isopropenal	E	G	E	E	E		E
Gasoline - Refined	G	G	G	G	G	A	X	Isopropyl Acetate	E	E	E	E	E		
Gasoline - Sour	X	G	G	G	G	A	X	Isopropyl Alcohol	E	G	E	E	E		E
Gelatin	G	G	X	G	G	A	A	Isopropyl Ether	C	G	C	E	G	A	X
Glucose	E	E	E	E	E			Isopropyltoluene	E	E	E	E	E		
Glue	G	G	G	C	G	C	A	Jet Fuel (JP4, JP5)	G	E	G	G	G	X	X
Glycerine	E	E	G	E	E	A	A	Karo Syrup				E	E		
Glycerol	E	E	G	E	E			Kerosene	G	G	G	G	G	X	X
Glycols	G	G	G	G	G	A	A	Ketchup				E	E		
Grease	E	E	E	E	E			Ketones	G	G	G	G	G	A	X
Grease, Silicone Base	E	E	E	E	E			Lacquer - Alcohol or Acetate as Solvent	E	E	X	X	E		
Green Liquor	C	C	G	C	C	C	A	Lacquer - Toluene or Xylene as Solvent	E	E	X	X	E		
Green Sulfate Liquor			E	E	E			Lactic Acid (25%)	F	G	X	C	C	A	A
Heptane	G	G	G	G	G	A	X	Lactic Acid (80%)	G	G	X	C	C	A	A
Hexaldehyde	E	E	E	E	E			Lactol		E	E	E	E		
Hexane	G	G	G	E	E	A	X	Lard Oil	G	C	F	G	G	A	A
Hexanol	E	G	E	E	E			Lasso				E	E		
Hexene		E	E	E	E			Latex Paint	E	E	E	E	E		
Hexyl Alcohol	E	G	E	E	E			Lead Acetate	X	X	X	G	G	X	A
Hexylene		E	E	E	E			Lead Chloride	X	C	C	G	G	X	C
Houghto-Safe 1055, 1110, 1115, 1120, 1130	E	E	E	E	E			Lead Nitrate Solution			E	E	E		
Houghto-Safe 271, 416, 520, & 616, 620	E	E	E	E	E			Lead Sulfate	X	C	X	G	G	X	C
Houghto-Safe 5048	E	E	E	E	E			Lecithin				E	E		
Houghto-Safe 625, 640 & 525 under 100°F	E	E	E	E	E			Ligroin			G	E	E		
HPO (Sodium Thiosulfate)	G	X	X	E	E			Lime				G	G		
Hy-Chock Oil			E	E	E			Lime, Chlorinated			X	G	E		
Hydrafluid 760	E	E	E	E	E			Lime Chlorinated (normal 35-37% Chlorine)					G		
Hydrafluid AZR&O, A, B, AA, C	E		E	E	E			Lime Sulphur	X	X	X	G	G	X	A
Hydrasol A	E		E	E	E			Lime Sulfur Solution	X	X	G	E	E		
Hydraulic Fluid (Phosphate Ester Base)			E	E	E			Limonene	E	E	E	E	E		
Hydraulic Fluid (Polyalphaolifin)	E	E	E	E	E			Lindane				E	E		
Hydraulic Fluid (Std. Petroleum Oils)	E	E	E	E	E			Liquid Soap	E	E	E	E	E		
Hydraulic Fluid (Water Glycol Based)	E	E	E	E	E			Lonoleic Acid	G	X	X	G	G	X	A
Hydraulic Fluid HF-18, HF-20	E	E	E	E	E			Linseed Oil	G	G	G	G	G	A	A
Hydraulic Fluid HF-31	E	E	E	E	E			Lubricants (oil)	G	E	G	G	G	A	X
Hydrobromic Acid - 50%	X	X	X	X	X	X	A	Machine Oil Under 135°F	E	E	E	E	E		
Hydrobromic Acid - 20%	X	X	X	X	X	X	A	Magnesium Carbonate	G	C	C	C	G	X	A
Hydrochloric Acid - 20%	X	X	X	X	X	X	A	Magnesium Chloride	X	X	C	C	C	X	A
Hydrochloric Acid - 38%	X	X	X	X	X	X	A	Magnesium Hydroxide	G	G	G	E	E	X	A
Hydrocyanic Acid	G	X	G	G	G	X	A	Magnesium Nitrate	G	G	G	G	G	X	A
Hydrofluosilicic Acid-10 -50%	X	G	X	X	G	X	C	Magnesium Oxide	C	C	C	C	C	X	C
Hydrogen Fluoride			E	E	E			Magnesium Sulfate	G	C	C	G	G	X	A
Hydrogen Peroxide (35% or less)	E	X	X	G	E			Malathion		E	E	E	E		
Hydrogen Peroxide (50% or less)	E	X	X	G	E			Maleic Acid	C	G	X	C	G	X	A
Hydrogen Peroxide (70% or less)	E	X	X	G	E			Maxmul			E	E	E		
Hydrogen Peroxide (90% or less)	E	X	X	G	E			MBK (Methyl Butyl Ketone)	E	E	E	E	E		
Hydrogen Sulfide	C	C	C	X	G	X	A	MEK (Ethyl Methyl Ketone)	E	E	E	E	E		

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
Mecurious Nitrate Solution	X		E	E	E			Nitrous Oxide		X	E	E	E		
Mercuric Chloride	X	X	X	X	C	X	A	Octadecanoic Acid	X	X	X	G	E		
Mercuric Cyanide	X	X	X	G	G	X	A	Octanol	E	G	E	E	E		
Mercury	X	X	G	E	E	A	A	Octyl Alcohol	E	G	E	E	E		
Mesityl Oxide	E	E	E	E	E			Oil - Castor	G	G	G	G	G	A	A
Metallic Soaps	E	E	E	E	E			Oil - Coconut	G	C	F	G	G	A	A
Methane	E	E	G	E	E	A	X	Oil - Corn	G	G	G	C	G	A	A
Methanol	G	G	G	G	G	A	A	Oil - Cotton Seed	G	G	G	G	G	A	A
Methoxychlor Solution			E	E	E			Oil - Fuel	G	G	G	G	G	A	X
Methylamine			E	E	E			Oil - Linseed	G	G	G	G	G	A	A
Methyl Acetate	E	E	E	E	E			Oil - Mineral	G	E	G	E	G	A	A
Methyl Acrylate	E	E	E	E	E			Oil - Silicon	G	E	G	G	G	A	A
Methyl Alcohol	E	G	E	E	E			Oil - Vegetable	G	G	G	E	E	A	X
Methyl Bromide	X	C	G	G	G	X	X	Oils, Animal	E	E	E	E	E		
Methyl Butyl Ketone	E	E	E	E	E			Oleic Acid	G	F	G	C	E	A	X
Methyl Cyanide			E	E	E			Oleum	G	X	G	G	G	X	X
Methyl Ethyl Ketone	G	G	G	G	G	A	X	Olive Oil	E	G	G	E	E		E
Methyl Formate	E	E	E	E	E			Ortho-Dichlorobenzene		E		E	E		
Methyl Isobutyl Ketone	G	G	G	G	G	A	X	Oxalic Acid	G	C	X	X	X	X	A
Methyl Metha Crylate	G	C	X	G	G	X	A	Oxygen	G	G	G	G	G	X	X
Methyl Nutanathiol				E	E			Ozone	E	E	E	E	E		E
Methyl Phenol	E		G	E	E		G	Paint (inorganic)	E	E		E	E		
Methyl Salicylate	E	E	E	E	E			Palmitic Acid	G	F	F	G	G	X	A
Methylene Chloride	C	G	G	C	C	A	X	Palm Oil	E	E	E	E	E		
Methylene Dichloride	X	E	E	E	E			Paraffin	G	G	G	G	G	A	A
Milk	E	X	G	E	E	A	A	Paraformaldehyde	E			E	E		
Mineral Oil	G	E	G	E	G	A	A	Peanut Oil	E	E	E	E	E		E
Mobile Therm 603	E	E	E	E	E			Pentasol	E	E	E	E	E		
Molasses	G	X	G	E	E			Perchloric Acid				G	E		E
Monochloroacetic Acid Solution		G	X	X	X			Perchloroethylene	G	G	G	C	C	X	X
Monochlorobenzene		E	E	E	E			Petrolatum	G	C	F	G	G	A	C
Monoethanolamine		E	E	E	E			Petroleum Ether		E	G	E	E		
Monomethylamine			E	E	E			Phenol (Carbonic Acid)	E	E	G	C	E	X	X
Monosodium Phosphate	X	X	E	E	E			Phenyl Chloride	E	E	E	E	E		X
Motor Oil	E	E	E	E	E			Phorone		E	E	E	E		
Mould Oil			E	E	E			Phosphoric Acid (25-50%)	X	X	X	C	C	X	A
Mouth Wash	E	E	E	E	E			Phosphoric Acid (50-85%)	X	X	X	C	C	X	A
Muriatic Acid	X	C	C	X	X	X	A	Photographic Solutions	C	C	X	E	E	X	X
Mustard			X	E	E			Phthalic Anhydride	C	G	G	E	E	X	X
Naptha		E	G	E	E			Picric Acid	E	X	X	G	G	X	C
Naphthalene	G	G	G	E	E	A	A	Plating Solutions							
Naphthalene	G	G	G	G	G	A	X	Brass	C	C	C	C	G	X	A
Neutral Oil		E	E	E	E			Cadmium	C	G	C	C	G	X	A
Nickel Acetate	E	E	E	E	E			Chrome (40%)	X	C	X	G	G	X	A
Nickel Chloride	X	X	X	C	C	X	A	Copper Cyanide	C	C	C	C	C	X	A
Nickel Nitrate	X				G			Gold	C	C	C	C	E	X	A
Nickel Plating Solution				E	E			Iron	C	C	C	C	C	X	A
Nickel Sulfate	X	X	C	G	G	X	A	Lead	C	C	C	E	E	X	A
Nicotine Salts			E	X	G			Nickel	C	C	C	E	E	X	A
Niter Cake	X	X	X	E	E			Silver	C	C	C	E	E	X	A
Nitric Acid (100%)	E	X	X	G	C	X	X	Tin	C	C	C	C	F	X	A
Nitric Acid (50%)	X	X	X	G	C	X	X	Zinc	C	C	C	C	C	X	A
Nitric Acid (30%)	X	X	X	E	C	X	X	Potash		X	G	E	E		E
Nitrobenzene	E	G	G	G	G	A	A	Potassium Acetate	X	X	G	C	C	A	A
Nitroethane		E		E	E			Potassium Bicarbonate (30%)	X	G	G	E	E	A	A
Nitogen, Liquid	E	E	E	E	E			Potassium Carbonate (50%)	X	G	G	E	E	A	A
Nitrogen Gas	E	E	E	E	E			Potassium Chlorate (30%)	G	X	G	G	E	X	A
Nitrogen Oxide		X	E	E	E			Potassium Chloride (30%)	X	X	G	C	C	A	A
Nitromethane		E		E	E			Potassium Chromate (30%)	G	G	C	G	G	X	A
Nitropropane		E		E	E			Potassium Cyanide (30%)	X	X	G	G	G	X	A
Nitrosyl Chloride				E	E			Potassium Dichromate (30%)	E	G	G	E	E	X	A
Nitrous Acid (Up to 10%)	X	X	X	E	E			Potassium Hydroxide (90%)	X	X	C	X	C	X	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
Potassium Nitrate (80%)	E	G	G	G	G	X	A	Soybean Oil			E	E	E		
Potassium Permanganate (20%)	G	G	G	G	G	X	A	Spent Acid			E	E	E		
Potassium Sulfate (10%)	E	G	G	E	E	A	A	Stannic Chloride	X	X	X	X	X	X	A
Propane	E	E	E	G	G	X	X	Stannous Chloride	X	X	X	X	C	X	X
Propionic Acid			G	E	E			Starch Gum			E	E	E		E
Propylene Glycol	G	G	G	G	G	A	A	Stauffer Jet 1	E	E	E	E	E		
Propylene Oxide (90%)	C	C	C	E	E	X	X	Stauffer Jet 2	E	E	E	E	E		
Purina Insecticide	E	G	E	E	E			Steam	C	C	C	C	C	X	C
Puropale RX Oils	E	E	E	E	E			Stearic Acid	G	F	F	G	E	A	A
Pydraul 10E, 29E-LT, 30E, 60, 65E, 115SE	E	E	E	E	E			Stoddard's Solvent	G	G	G	G	G	X	A
Pyrene	X	G	X	G	G		X	STPP (Sodium Tripolyphosphate)	X	X		E	E		
Pyridine	G	G	G	G	G	A	X	Styrene	X	G	G	X	G		
Pyrogallic Acid	G	G	G	G	G	X	X	Sucrose Solutions			E	E	E		
Pyroguard 160, 230, 630			E	E	E			Sugar Liquors (Cane)	E	G	G	G	G	A	A
Pyroguard 51, 53, 55			E	E	E			Sugar Liquors (Beet)	E	G	G	E	E	A	A
Pyroguard C, D	E	E	E	E	E			Sulfate Liquors	G	X	F	C	G	X	A
Quenching Oil	E	E	E	E	E			Sulfite Liquors	X	X	X	G	G	X	X
Quintolubric 822	E	E	E	E	E			Sulfur Chloride	X	C	X	C	C	X	X
Ramrod (Ag Spray)	E	E	E	E	E			Sulfur Dioxide (Dry)	G	G	E	C	G	X	A
Rando Oils	E	E	E	E	E			Sulfur Trioxide	G	G	G	C	G	X	X
Rapeseed Oil	E	E	E	E	E			Sulfuric Acid to 10%	X	G	X	X	X	X	A
Red Oil (MIL-5606)	E	G	G	G	E		E	Sulfuric Acid - 100%	X	X	G	C	C	X	X
Refined Wax (Petroleum)		E	E	E	E			Sulfurous Acid	G	G	X	X	C	X	A
Regal Oils R&O	E	E	E	E	E			Sun R&O Oils	E	E	E	E	E		
Salicylic Acid	G			E	E			Suntac HP Oils	E		E	E	E		
Salt Water		G	G	E	E			Suntac WR Oils	E		E	E	E		
Sewage	G	E	X	E	E			Sunvis Oils 700, 800, 900			E	E	E		
Silicone Greases		E	E	E	E			Synthetic Oil (Citgo)			E	E	E		
Silicone Oils		E	E	E	E			Syrup			E	E	E		
Silver Nitrate	X	X	X	G	E	X	A	Tall Oil				X	G		
Skydrol 500A & 7000	E		E	E	E			Tall Oil under 150°F				X	G		
Soap Solutions	G	G	G	G	G	A	A	Tallow	E	G	G	G	G		
Soda Ash	X	G	E	E	E		E	Tannic Acid	X	C	X	G	G	X	A
Sodium Acetate	E	G	X	G	G	A	A	Tanning Liqours	E	C	C	E	E	X	A
Sodium Bicarbonate - 20%	G	G	F	E	E	A	A	Tar Under 100°F	E	G	E	E	E		
Sodium Bisulfate	X	C	G	C	C	A	A	Tartaric Acid	C	C	C	E	E	A	A
Sodium Bisulfite	X	G	X	C	C	A	A	Tellus Oils	E	E	E	E	E		
Sodium Borate	G	G	3	G	G	A	A	Tenol Oils			E	E	E		
Sodium Perborate - 10%	G	X	G	G	G	X	A	Tergitol		G	G	E	E		
Sodium Carbonate	X	G	G	C	G	A	A	Tetrahydrofuran (THF)			G				X
Sodium Chlorate - 50%	G	G	X	G	G	X	A	Theobromo Oil			E	E	E		
Sodium Chloride	X	X	G	G	E			Titanium Tetrachloride	X	X	G	C	G	X	X
Sodium Chromate	X	X	G	E	E			Toluene	E	E	E	E	E	A	X
Sodium Cyanide	X	X	G	C	C	A	A	Toluene Diisocyanate			E	E	E		
Sodium Dichromate	G	X	G	G	G	X	A	Tetrahydrofuran	X	C	E	E	G	A	X
Sodium Fluoride (70%)				G	G			Tomato Juice	G	C	F	G	G	X	A
Sodium Hydroxide - 70%	X	X	F	G	G	X	A	Transformer Oil (Askarel Types)		E	E	E	E		G
Sodium Hydroxide - 50%	X	X	F	E	C	X	A	Transformer Oil (Petroleum Types)	E	E	E	E	E		
Sodium Hydroxide 40%	X	X	G	E	E			Transmission Fluid		E	E	E	E		
Sodium Hydroxide - 30%	X	G	G	E	E	X	A	Tributoxyethyl Phosphate	X		E				
Sodium Hydrochloride - 30%	X	G	G	C	C	X	A	Tributyl Phosphate	X		E				
Sodium Hypochlorite	X	X	X	C	C	X	A	Trichloroethylene	X	E	X		E		
Sodium Metaphosphate	X	X	X	G	G	X	X	Tricresyl Phosphate	X		E		G		
Sodium Nitrate - 40%	E	G	G	E	E	A	A	Triethanolamine	G	X	G	G	G	A	X
Sodium Perborate - 10%	G	X	G	G	G	X	A	Triethylamine	C	C	C	G	G	A	X
Sodium Peroxide - 10%	G	X	G	G	G	X	A	Trihydroxybenzoic Acid			X	E	E		E
Sodium Phosphate	X	X		E	E			Trinitriphenol	X	X	X	E	E		
Sodium Silicate	E	G	G	G	G	A	A	Trisodium Phosphate	X	G	G	E	E	A	A
Sodium Sulfate	C	G	G	C	E	A	A	Tung Oil	E	E	E	E	E		
Sodium Sulfide - 50%	X	X	G	C	G	X	A	Turpentine	G	X	G	E	E	X	X
Sodium Thiosulphate	G	X	X	G	G	A	A	Ucon Hydrolube Types 150CP, 200CP	E	E	E	E	E		
Solnus Oils	E	E	E	E	E			Ucon M1	E	E	E	E	E		

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
Union Hydraulic Tractor Fluid	E	E	E	E	E		
Urea - 50%	G	C	G	G	G	A	A
Urine	C	C	G	E	E	X	A
Varnish		G	G	E	E		
Vegetable Oils	E		E	E	E		
Versilube F-50, F-44	E	E	E	E	E		
Vinegar	G	X	G	G	G	X	A
Vinyl Acetate	E	G		E	G		
Vinyl Chloride	E	X	G	E	E		
Vitrea Oils			E	E	E		
VM&P Naptha	G	E	E	E	E		
Water Acid (Mine)	X	X	X	C	C	X	A
Water (Distilled)	X	G	X	G	G	A	A
Water (Sea)	G	G	X	G	G	A	A
Whiskey	X	G	G	E	E	X	A
White Liquor	G	C	X	G	G	X	A
Wine	X	G	X	E	E	X	A
Xylene	G	G	G	G	G	A	X
Zeric				E	E		
Zinc Chloride	X	X	X	X	G	A	A
Zinc Nitrate	C	C	C	G	G	X	A
Zinc Sulfate - 50%	X	G	X	E	E	X	A

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	F	C	F	F	C	F	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	120.2	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

TECHNICAL INFORMATION

PRESSURE RATING CONVERSION

TABLE 1: PSI TO BAR CONVERSION

PSI	BAR	PSI	BAR	PSI	BAR
1.....	0.07	30.....	2.07	210.....	14.48
2.....	0.14	35.....	2.41	220.....	15.17
3.....	0.21	40.....	2.76	230.....	15.86
4.....	0.28	45.....	3.10	240.....	16.55
5.....	0.34	50.....	3.45	250.....	17.24
6.....	0.41	55.....	3.79	275.....	18.96
7.....	0.48	60.....	4.14	300.....	20.68
8.....	0.55	65.....	4.48	325.....	22.41
9.....	0.62	70.....	4.83	350.....	24.13
10.....	0.69	75.....	5.17	375.....	25.86
11.....	0.76	80.....	5.52	400.....	27.58
12.....	0.83	85.....	5.86	425.....	29.30
13.....	0.90	90.....	6.21	450.....	31.03
14.....	0.97	95.....	6.55	475.....	32.75
15.....	1.03	100.....	6.89	500.....	34.47
16.....	1.10	110.....	7.58	550.....	37.92
17.....	1.17	120.....	8.27	600.....	41.37
18.....	1.24	130.....	8.96	650.....	44.82
19.....	1.31	140.....	9.65	700.....	48.26
20.....	1.38	150.....	10.34	750.....	51.71
21.....	1.45	160.....	11.03	800.....	55.16
22.....	1.52	170.....	11.72	850.....	58.61
23.....	1.59	180.....	12.41	900.....	62.05
24.....	1.66	190.....	13.10	950.....	65.50
25.....	1.72	200.....	13.79	1000.....	68.95

TABLE 2: BAR TO PSI CONVERSION

BAR	PSI	BAR	PSI	BAR	PSI
1.....	14.50	30.....	435.10	210.....	3046.0
2.....	29.01	35.....	507.60	220.....	3191.0
3.....	43.51	40.....	580.20	230.....	3336.0
4.....	58.02	45.....	652.70	240.....	3481.0
5.....	72.52	50.....	725.20	250.....	3626.0
6.....	87.02	55.....	797.70	275.....	3989.0
7.....	101.50	60.....	870.20	300.....	4351.0
8.....	116.00	65.....	942.70	325.....	4714.0
9.....	130.50	70.....	1015.0	350.....	5076.0
10.....	145.00	75.....	1088.0	375.....	5439.0
11.....	159.50	80.....	1160.0	400.....	5802.0
12.....	174.00	85.....	1233.0	425.....	6164.0
13.....	188.50	90.....	1305.0	450.....	6527.0
14.....	203.10	95.....	1378.0	475.....	6889.0
15.....	217.60	100.....	1450.0	500.....	7252.0
16.....	232.10	110.....	1595.0	550.....	7977.0
17.....	246.60	120.....	1740.0	600.....	8702.0
18.....	261.10	130.....	1885.0	650.....	9427.0
19.....	275.60	140.....	2031.0	700.....	10153.0
20.....	290.10	150.....	2176.0	750.....	10878.0
21.....	304.60	160.....	2321.0	800.....	11603.0
22.....	319.10	170.....	2466.0	850.....	12328.0
23.....	333.60	180.....	2611.0	900.....	13053.0
24.....	348.10	190.....	2756.0	950.....	13779.0
25.....	362.60	200.....	2901.0	1000.....	14504.0

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.

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.



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.

Company Name

Contact

Address

Phone

City

E-Mail

Salesman

Fax

Is there a hose we can cross over?

Manufacturer

Part Number

Please fill in the blanks:

ID

OD

WP PSI

Burst PSI

Length

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?



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Via Trieste 16, 10075
Mathi (TO) - ITALY
mail@megadyne.it
www.megadyne.it

JASON HEADQUARTERS

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