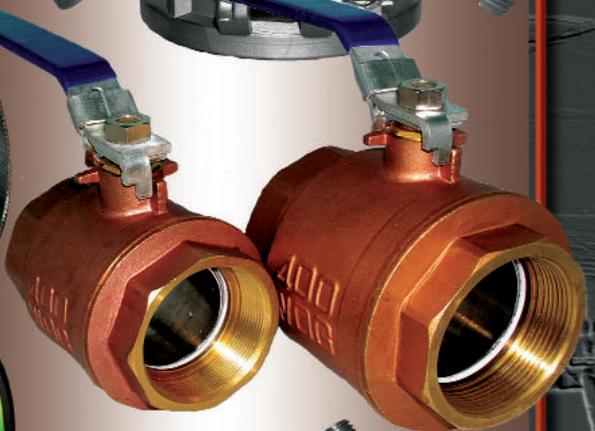


JASON

HOSE, COUPLINGS & ACCESSORIES



TERMS, CONDITIONS AND LIMITED WARRANTY OF SALE

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

GENERAL

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

PAYMENT TERMS

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

FREIGHT TERMS

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

ACCEPTANCE, ALTERATION AND CANCELLATION OF ORDERS

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

RETURN OF DEFECTIVE MERCHANDISE

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

MERCHANDISE SHIPPED IN ERROR

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

MERCHANDISE ORDERED IN ERROR

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

DELIVERY, DAMAGES, SHORTAGES

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

GOODS DAMAGED IN SHIPMENT

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

CONCEALED DAMAGE

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

LIMITED WARRANTY

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

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY 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.

ACID HOSE

Cross-Linked Polyethylene Suction
UHMWPE Chemical Suction

ITEM NO	PG
4430	11
4433	11

AIR HOSE

Pneumatic Deadman Twinline
PVC Air Coupled
PVC Air - Red
Textile Reinforced Air
TPR Air - Yellow
Wire Reinforced Air
MSHA Wire Reinforced Air

4142	8
4103	8
4103	7
4305	10
4105	7
4805	9
4810	9

FOOD HOSE

Bulk Food Suction FDA
Liquid Food Suction FDA
PVC Clear Braided FDA
PVC Clear Corrugated Suction FDA
PVC Clear Smooth Suction FDA
PVC Reinforced Vacuum Transfer FDA
PVC Spring Wire FDA

4460	12
4465	12
4511	15
4660	13
4606	13
4611	15
4600	14

MATERIAL HANDLING HOSE

Dry Cement 1/4" Tube
Dry Cement 3/16" Tube
Gunitite
Hot Air Blower
NR Bulk Material Suction
Polyurethane Lawn & Leaf Collection
Polyurethane Lined PVC Vacuum
Sandblast 2 Ply
Sandblast 4 Ply
Sandblast Lightweight

4324	19
4323	19
4310	19
4425	18
4470	18
4690CL	22
4643	21
4312	20
4314	20
4313	21

PETROLEUM HOSE

Oil Return
Nitrile Petroleum Suction
Fuel Line and Vapor Emission

4415	16
4420	16
8312	17

SPRAY HOSE

MSHA Mine Spray

4182	31
-------------	-----------

STEAM HOSE

EPDM Steam
Chlorobutyl Steam

4815	32
4818	33

WATER HOSE

	ITEM NO	PG
Non-Conductive Furnace Door Coolant	4380	27
Mill Discharge DJ	4703	25
Coupled DJ Mill Discharge	4703	26
Mill Discharge SJ	4701	25
Municipal Grade SJ Mill Discharge	4705	26
PVC Discharge Blue	4501	27
PVC Discharge Blue	4502	28
PVC Discharge Red	4510	28
PVC Discharge Yellow - Water Jetting	4520	29
PVC Suction Clear/White Helix	4615	30
PVC Suction Green	4601	30
Rubber 2 Ply Discharge	4352	24
Rubber 4 Ply Discharge	4354	24
Rubber Water Suction	4450	23
EPDM Liquid Waste	4653	29
Washdown Papermill	4360	23

SKIRTBOARD RUBBER

Skirtboard Rubber - 55-60 Durometer	6341	42
-------------------------------------	-------------	-----------

BRASS BALL VALVES

Brass Ball Valves

ITEM NO

BV

DESCRIPTION

600 TO 400 WOG

PG

59

CAM & GROOVE

Male Adapter x Female Thread

A

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

43

Female Coupler x Male Thread

B

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

43

Female Coupler x Hose Shank

C

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

44

Female Coupler x Female Thread

D

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

44

Male Adapterx Hose Shank

E

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

44

Male Adapter x Male Thread

F

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

45

Dust Cap

DC

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

45

Dust Plug

DP

Aluminum, Stainless Steel, Brass, Polypropylene, Nylon G

45

Dust Cap with Lock Out Handles

DCL

Aluminum, Stainless Steel

46

Replacement Gaskets

S

Standard Elastomeric

46

Replacement Gaskets

T

Teflon Encapsulated

46

Replacement Handles

HRP

Brass, Stainless Steel

46

Replacement Handles

LHP

Lock Out Aluminum, Lock Out Stainless

46

Safety Pin

SP

Stainless Steel

46

Security Chain

CH

Aluminum, Stainless Steel

47

Reducers/Adapters

CLAMPS

Double Bolt Hose

DB

Plated Malleable Iron

55

Spiral Double Bolt

SDB

Clockwise or Counterclockwise

55

Interlocking "Collar Grip" 2/4/6 Bolt

2/4/6BC

56

Interlocking "Collar Grip" Short Body

2BS

56

FLANGES

Split Face

SFF

Aluminum

60

FOOT VALVES

Painted Red

FV

NPS Threads

60

GROUND JOINT

Female

GJ

Stem, Wingnut, Female Spud NPS

51

Double Spud

GDS

NPS x NPS

51

Male Spud

GMS

NPS x NPT

51

HYDRANT ADAPTERS/CAPS/DOUBLE MALE

Brass

HAB

Connect Hose to Hydrant

61

Replacement Gasket

HAG

61

Hydrant Cap

CAP

With Chain

62

Double Male

DMN

Change Size/Thread

58

MENDERS

Tube Mender

SM

Plated Steel

59

	ITEM NO	DESCRIPTION	PG
NIPPLES			
Combination	CN	Unplated, Plated, Stainless Steel, Polypropylene, Nylon Glass	57
Hex Male Collared	MS	NPT Threads	58
Double Male Hex	DMN	NPT Threads, Brass	58
NOZZLES			
Straight Stream	BN	Brass	62
Fog	FN	Plastic/Brass	62
White Rubber	SOARC	EPDM Rubber	63
PIN LUG WATER			
Aluminum with Brass Swivel	AB	Set (M x F) or Female	48
Brass with Brass Swivel	BR	Set (M x F) or Female	48
Replacement Washers	HW		48
SANDBLAST			
Hose End	Q	Aluminum, Brass, Nylon, Iron	52
Nozzle Holders	NH	Aluminum, Brass, Nylon	52
Threaded Pot Ends	SB	Aluminum, Brass, Nylon	52
Gaskets for Metal Hose End/Pot End	Q	NR/SBR Rubber	52
Gaskets for Nylon	RQ	NR/SBR Rubber	52
STRAINERS			
Round Hole	RHS	NPS Threads	61
Square Hole	SHS	NPS Threads	61
Bottom Hole	BHS	NPS Threads	61
Polypropylene	PS	NPS Threads	61
UNIVERSAL AIR			
Hose End 2 Lug	HE	Malleable Iron Plated/Nylon Glass, Brass	49
Male End 2 Lug	ME	Malleable Iron Plated/Nylon Glass, Brass	49
Female End 2 Lug	FE	Malleable Iron Plated/Nylon Glass, Brass	49
Washer for 2 Lug	UG		49
3-Way Connector	TW	Malleable Iron Plated	51
Dead End	BE	Malleable Iron Plated	51
Safety Pin & Lanyard	SPL		51
Hose to Hose Cable	HHWC		49
Hose to Tool Cable	HTWS		49
Hose End 4 Lug	HE	Iron, Brass	50
Female End 4 Lug	FE	Iron, Brass	50
Washer for 4 Lug	UG		50
WRENCHES			
Spanner for Pin Lug Couplings	SW	Ductile Iron	63
Universal Spanner	US	Ductile Iron	63
Adjustable Hydrant	HYD		63

SPECIAL APPLICATIONS	ITEM NO	DESCRIPTION	PG
John Morris			53
Machino			53
Nakajima			53
Storz			53
Foreign Fire 3-Way Nozzles			54

BEND RESTRICTOR

Hose Bend Restrictor	HP	Tapered Design	60
----------------------	-----------	----------------	-----------

REFERENCE CHARTS

Flexibility and Bend Radius	34
Metric Pressure Conversion	34
Table of Chemical Resistance PVC TPR TPE	38-40
Table of Chemical, Oil and Solvent Resistance of Rubber Hose	35-37
Decimal, Millimeter, Fraction Equivalents	41
Vacuum Conversions	41
Thread Chart	5
Working Pressures (max PSI) - Cam & Groove Couplers & Adapters	43
Terms & Conditions	a

HOSE SELECTION

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

In most cases you must know:

1. **Size** - Inside diameter and length.
(In some cases outside diameter also)
2. **Temperature** - Normal, minimum, maximum.
3. **Application** - What is the hose supposed to do?
4. **Material** - What will the hose convey?
5. **Pressure** - What is the normal working pressure?
6. What product is the customer now using?

COMMON TERMS

ID - Inside Diameter of hose opening

OD - Outside Diameter of hose

Max WP (PSI) - Maximum recommended Working Pressure in Pounds per square inch

Weight per ft - Weight per foot of hose

Bend Radius - The minimum radius to which the hose will bend before it is damaged.

Standard Lengths - The bulk length that the hose is stocked for distributors.

THREAD CHART

Abbreviation	Seal With	System Name	Compatible Thread
GHT	Washer	Garden Hose Thread	GHT to GHT ONLY
NST	Washer	National Standard Thread (Fire)	NST to NST ONLY
NPSH	Washer	National Pipe Straight Hose	Male NPSH to Female NPSH Female NPSH to Male NPSH or Male NPT
IPT	Thread to Thread	National Pipe Tapered	Male NPT to Female NPT or Female NPSH
IPT		Iron Pipe Thread (GENERIC)	Need More Information

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

[Reprinted from RMA Hose Handbook IP-2 Sixth Edition 1996

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.

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

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 run over by equipment. In handling large 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.

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 its 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 specific recommendations on this point. Hose having a very light wall will not support as much hose as could a 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 oil, solvents and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.

The ideal temperature for the storage of rubber products 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, or high ozone as near electric motors.

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

To avoid the 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 high known ozone concentration. 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 of dampness and mildew. Items should be stored on a first in, first out basis, since even under the best conditions, an unusually long shelf life could deteriorate certain rubber products.

RMA

Information concerning publications, latest edition, prices etc., may be obtained on written request to:

**RMA - General Products Group
The Mail Room
PO Box 3147
Medina, OH 44258**

Fax 216 725 0578

AIR HOSE

FOR TRANSFER OF AIR, WATER AND MODERATE CHEMICAL SOLUTIONS

4103

RED PVC AIR HOSE MEDIUM OIL RESISTANT

TUBE: PVC, smooth, black, medium oil resistant.

REINFORCEMENT: Synthetic braid

COVER: PVC, smooth, medium oil resistant, ozone, weather and UV resistant.

COLOR: Red

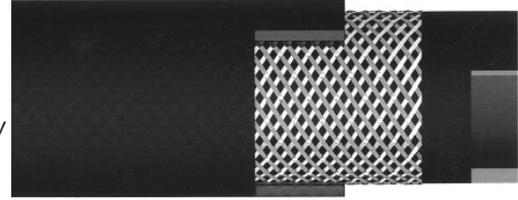
BRANDING: ID XX" (XXmm) logo 300 PSI WP (20 bar) 4103 Country

TEMPERATURE RANGE: -15°F to +150°F

FEATURES: Oil mist resistant tube and non marking cover. Manufactured for hot weather conditions.

APPLICATION: General purpose use, including air, water and mild chemical applications. Ideal for air tools and nailer air line.

STANDARD LENGTHS: 500 foot one piece on reels



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
4103-0254	1/4	6.0	7/16	11.0	300	0.07	✓
4103-0314	5/16	8.0	1/2	13.0	300	0.08	✓
4103-0374	3/8	10.0	19/32	15.0	300	0.10	✓
4103-0504	1/2	13.0	3/4	19.0	300	0.16	✓
4103-0624	5/8	16.0	29/32	23.0	300	0.22	✓
4103-0754	3/4	19.0	1-3/64	26.5	300	0.28	✓
4103-1004	1	25.0	1-21/64	33.5	300	0.41	✓

Blue, black or yellow available with minimum production run.

4105

YELLOW TPR AIR HOSE HIGH OIL RESISTANT

TUBE: TPR (PVC/Nitrile) , high oil resistance

REINFORCEMENT: Synthetic braid

COVER: TPR (PVC/Nitrile) high oil resistant, ozone, UV and weather resistant.

COLOR: Yellow

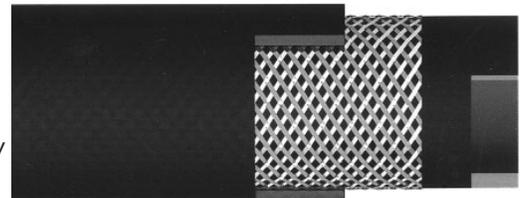
BRANDING: ID XX" (XXmm) logo 300 PSI WP (20 bar) 4105 Country

TEMPERATURE RANGE: -15°F to +176°F

FEATURES: All performance lightweight hose. Cover is non marking.

APPLICATION: Highly oil resistant hose for air, oil and medium grade fuels used in construction, shipyards, mining and agriculture.

STANDARD LENGTHS: 500 foot one piece on reels



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
4105-0254	1/4	6.0	7/16	11.0	300	0.07	✓
4105-0314	5/16	8.0	1/2	13.0	300	0.08	
4105-0374	3/8	10.0	19/32	15.0	300	0.10	✓
4105-0504	1/2	13.0	3/4	19.0	300	0.16	✓
4105-0624	5/8	16.0	29/32	23.0	300	0.22	
4105-0754	3/4	19.0	1-3/64	26.5	300	0.28	✓
4105-1004	1	25.0	1-21/64	33.5	300	0.41	

Other cover colors available. Requires minimum production run.

All sizes may not be stocked in all locations. Check with customer service for availability. 7

AIR HOSE

FOR TRANSFER OF AIR, WATER AND MODERATE CHEMICAL SOLUTIONS

4103

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

TUBE: PVC, smooth, black, medium oil resistance

REINFORCEMENT: Synthetic braid

COVER: PVC, smooth, medium oil resistant, ozone, UV and weather resistant.

COLOR: Red

BRANDING: Jason Logo 300 PSI WP (Country)

TEMPERATURE RANGE: -15°F to +150°F

FEATURES: Flexible, oil mist resistant, economical and lightweight.

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

COUPLED LENGTHS: 25/50 foot with bend restrictor each end.



Part Number	I.D. in.	I.D. mm.	Length Ft.	Max W.P. PSI	Weight Per Lgth.	Couplings Each End	Stock Item (✓)
4103-025425	1/4	6.35	25	300	2.2	1/4 MALE	✓
4103-025450	1/4	6.35	50	300	4.4	1/4 MALE	✓
4103-037425	3/8	9.53	25	300	2.8	1/4 MALE	✓
4103-037450	3/8	9.53	50	300	5.7	1/4 MALE	✓

4142

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

TUBE: TPR, black

REINFORCEMENT: Synthetic fabric

COVER: TPR, oil, weather and ozone resistant

COLOR: Yellow

BRANDING: None (Country)

TEMPERATURE RANGE: -25°F to +180°F

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

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

STANDARD LENGTHS: 50/55/66/131 Foot Lengths Coupled; Bulk 200 Foot Coils



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm	Length Ft.	Max W.P. PSI	Weight Per Lgth.	Stock Item (✓)
4142-0193-050	3/16	4.76	27/64	10.72	50	250	0.10	✓
4142-0193-055	3/16	4.76	27/64	10.72	55	250	0.10	✓
4142-0193-066	3/16	4.76	27/64	10.72	66	250	0.10	✓
4142-0193-131	3/16	4.76	27/64	10.72	131	250	0.10	✓
4142-0193-BULK	3/16	4.76	27/64	10.72	200	250	0.10	✓

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

AIR HOSE

FOR TRANSFER OF AIR, WATER AND MODERATE CHEMICAL SOLUTIONS

4805

WIRE REINFORCED AIR HOSE

TUBE: Nitrile blend, smooth, black

REINFORCEMENT: Steel wire

COVER: SBR, weather, ozone and abrasion resistant, fabric impression, pin pricked.

COLOR: Yellow

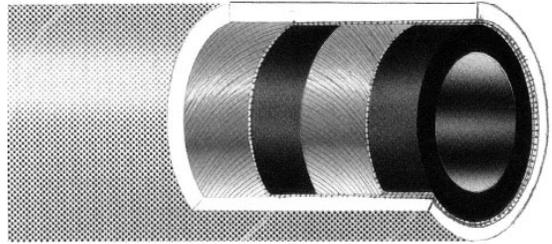
BRANDING: Jason Logo 4805 WIRE AIR 600 PSI WP
40 BAR, Red Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +200°F

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

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

STANDARD LENGTHS: 1/2" 100 foot, 3/4" through 4" 50 foot and 100 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Spiral	Length Ft.	Stock Item (✓)
	in.	mm.	in.	mm.					
4805-0050-100	1/2	12.70	0.91	23	600	0.36	2	100	✓
4805-0075-050	3/4	19.05	1.22	31	600	0.60	2	50	✓
4805-0075-100	3/4	19.05	1.22	31	600	0.60	2	100	✓
4805-0100-050	1	25.40	1.49	38	600	0.80	2	50	✓
4805-0100-100	1	25.40	1.49	38	600	0.80	2	100	✓
4805-0125-050	1-1/4	31.75	1.81	46	600	1.05	2	50	✓
4805-0125-100	1-1/4	31.75	1.81	46	600	1.05	2	100	✓
4805-0150-050	1-1/2	38.10	2.04	52	600	1.24	2	50	✓
4805-0150-100	1-1/2	38.10	2.04	52	600	1.24	2	100	✓
4805-0200-050	2	50.80	2.60	66	600	1.80	2	50	✓
4805-0200-100	2	50.80	2.60	66	600	1.80	2	100	✓
4805-0250-050	2-1/2	63.50	3.15	80	600	2.40	2	50	✓
4805-0250-100	2-1/2	63.50	3.15	80	600	2.40	2	100	✓
4805-0300-050	3	76.20	3.70	94	600	3.22	4	50	✓
4805-0300-100	3	76.20	3.70	94	600	3.22	4	100	✓
4805-0400-050	4	101.60	4.88	124	600	4.70	4	50	✓
4805-0400-100	4	101.60	4.88	124	600	4.70	4	100	✓

Refer to pages 43 through 63 for couplings and accessories.

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

AIR HOSE

FOR TRANSFER OF AIR, WATER AND MODERATE CHEMICAL SOLUTIONS

4810

MSHA WIRE REINFORCED AIR HOSE

TUBE: Nitrile blend, smooth, black

REINFORCEMENT: Steel wire

COVER: SBR, weather, ozone and abrasion resistant, fabric impression, pin-pricked

COLOR: Yellow

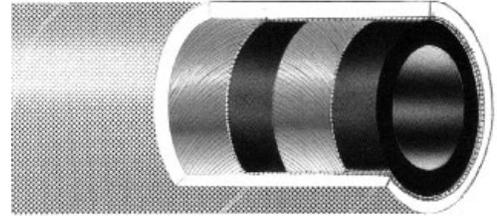
BRANDING: Jason Logo 4180 MSHA IC-215/00 600 PSI WP 41 BAR
Green Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +200°F

FEATURES: Highly visible yellow color cover and layline.
Rugged with flame resistant cover.

APPLICATION: Used for tough applications in mines and quarries.

STANDARD LENGTHS: 50 foot and 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Spiral	Length Ft.	Stock Item (✓)
4810-0150-050	1-1/2	38.10	2.04	52	600	1.24	2	50	
4810-0150-100	1-1/2	38.10	2.04	52	600	1.24	2	100	✓
4810-0200-050	2	50.80	2.60	66	600	1.80	2	50	
4810-0200-100	2	50.80	2.60	66	600	1.80	2	100	✓
4810-0300-050	3	76.20	3.15	80	600	3.22	4	50	
4810-0300-100	3	76.20	3.15	80	600	3.22	4	100	

4305

TEXTILE REINFORCED AIR HOSE

TUBE: Nitrile blend, smooth, black

REINFORCEMENT: Synthetic fabric 2 ply

COVER: Nitrile/SBR, weather and ozone resistant, fabric impression

COLOR: Yellow

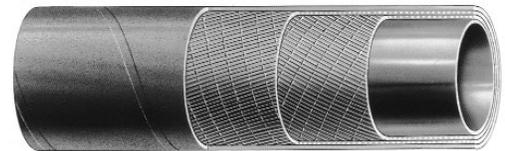
BRANDING: Jason Logo 4305 Textile Air 350 PSI WP 24 BAR
Blue Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +200°F

FEATURES: Oil mist resistant tube, visible yellow cover

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" 100 foot, 3" 50 and 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
4305-0075-100	3/4	19.05	1.18	30	350	0.40	100	✓
4305-0100-100	1	25.40	1.46	37	350	0.54	100	✓
4305-0125-100	1-1/4	31.75	1.81	46	350	0.81	100	✓
4305-0150-100	1-1/2	38.10	2.05	52	350	0.92	100	✓
4305-0200-100	2	50.80	2.64	67	350	1.37	100	✓
4305-0250-100	2-1/2	63.50	3.15	80	350	1.69	100	✓
4305-0300-050	3	76.20	3.70	94	350	2.16	50	✓
4305-0300-100	3	76.20	3.70	94	350	2.16	100	✓

Refer to pages 43 through 63 for couplings and accessories.

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

ACID HOSE

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

4430

CROSS-LINKED POLYETHYLENE SUCTION HOSE

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

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

COVER: EPDM, weather and ozone resistant, fabric impression

COLOR: Green

BRANDING: Jason Logo 4430 XLPE CHEM

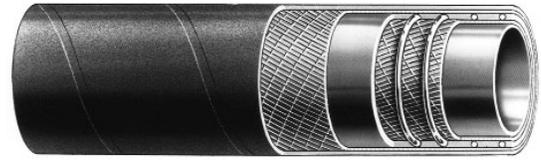
150 PSI WP 10 BAR Blue Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F to +150°F

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 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4430-0075-100	3/4	19.0	1.19	30	200	0.36	6	✓
4430-0100-100	1	25.4	1.50	38	200	0.49	6.5	✓
4430-0125-100	1-1/4	31.8	1.75	45	200	0.55	9	✓
4430-0150-100	1-1/2	38.0	2.09	53	200	0.69	10	✓
4430-0200-100	2	51.0	2.61	66	200	0.98	12	✓
4430-0250-100	2-1/2	64.0	3.19	81	150	1.35	15	
4430-0300-100	3	76.0	3.75	95	150	1.90	16	✓
4430-0400-100	4	102.0	4.88	124	150	2.57	18	

*Consult chemical resistance chart. All sizes full vacuum.
Refer to pages 43 through 63 for couplings and accessories.

4433

UHMWPE CHEMICAL SUCTION HOSE

TUBE: Ultra-high molecular weight polyethylene

REINFORCEMENT: Synthetic fabric with wire helix

COVER: EPDM, corrugated, abrasion and ozone resistant

COLOR: Blue

BRANDING: Jason Logo 4433 UHMWPE CHEM 200 PSI WP

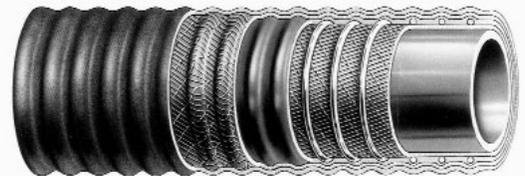
13.8 BAR Orange Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F to +150°F

FEATURES: Will handle 98% of today's chemicals* for suction or discharge service, flexible.

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

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4433-0750-100	3/4	19.0	1.14	29	200	0.38	6	
4433-0100-100	1	25.4	1.46	37	200	0.50	6.5	✓
4433-0125-100	1-1/4	26.0	1.77	45	200	0.58	9	
4433-0150-100	1-1/2	38.0	2.05	52	200	0.71	10	✓
4433-0200-100	2	51.0	2.64	67	200	1.010	12	✓
4433-0250-100	2-1/2	64.0	3.15	80	200	1.460	15	
4433-0300-100	3	76.0	3.86	93	200	1.970	16	

*Consult chemical resistance chart. All sizes full vacuum.
Refer to pages 43 through 63 for couplings and accessories.

All sizes may not be stocked in all locations. Check with customer service for availability. 11

FOOD HOSE

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

4460

BULK FOOD SUCTION HOSE

TUBE: White natural rubber, 3/16" thick, FDA

REINFORCEMENT: Multiple plies with steel wire helix.

COVER: Natural rubber, corrugated

COLOR: Gray

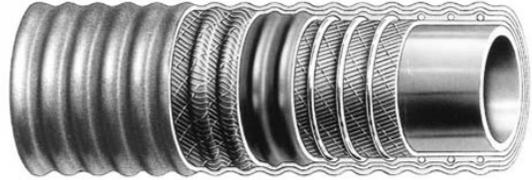
BRANDING: Jason Logo 4460 FDA 3/16" Tube Bulk Food S/D
Orange Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F to +150°F

FEATURES: Heavy abrasion resistant tube. Extremely flexible.

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

STANDARD LENGTHS: 1-1/2" through 6"; 100 foot, 6" also, through 14", 20 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4460-0150-100	1-1/2	38.0	2.05	52.0	150	0.98	5	
4460-0200-100	2	51.0	2.66	67.0	150	1.37	6	✓
4460-0250-100	2-1/2	63.0	3.07	78.0	150	1.67	8	
4460-0300-100	3	76.0	3.62	92.0	150	2.14	10	✓
4460-0350-100	3-1/2	90.0	4.21	107.0	150	2.60	12	
4460-0400-100	4	102.0	4.72	120.0	150	3.14	20	✓
4460-0450-100	4-1/2	114.0	5.27	134.0	150	3.94	22	
4460-0500-100	5	127.0	5.71	145.0	150	4.67	24	
4460-0600-020	6	152.0	6.77	172.0	150	5.98	26	✓
4460-0600-100	6	152.0	6.77	172.0	150	5.98	26	
4460-0650-020	6-1/2	166.0	7.32	186.0	150	6.84	28	
4460-0662-020	6-5/8	168.0	7.52	191.0	150	7.31	29	
4460-0800-020	8	203.0	8.78	223.0	150	9.36	32	
4460-0862-020	8-5/8	219.0	9.33	237.0	125	9.64	36	
4460-1000-020	10	254.0	10.83	275.0	125	11.57	44	
4460-1200-020	12	305.0	12.83	326.0	100	15.27	60	
4460-1400-020	14	355.0	14.76	375.0	100	18.41	72	

Refer to pages 43 through 63 for couplings and accessories.

4465

LIQUID FOOD SUCTION HOSE

TUBE: White nitrile, FDA

REINFORCEMENT: Multiple plies with wire helix

COVER: Nitrile, flat corrugated

COLOR: Gray

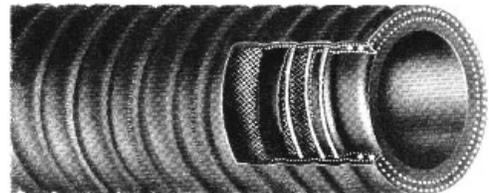
BRANDING: Jason Logo 4465 FDA Food S/D 150 PSI WP 10 BAR
White Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +200°F

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 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4465-0150-100	1-1/2	38.0	2.05	52.0	150	1.10	4	✓
4465-0200-100	2	51.0	2.56	65.0	150	1.50	5	✓
4465-0300-100	3	76.0	3.56	90.5	150	2.30	6	
4465-0400-100	4	102.0	4.69	119.0	150	4.60	8	

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

FOOD HOSE

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

4606

CLEAR SMOOTH COVER PVC/FDA HOSE MEDIUM DUTY

TUBE: Clear, smooth, FDA grade PVC, meets 3-A sanitary standards.

REINFORCEMENT: Clear PVC helix

COVER: Clear smooth PVC

COLOR: Clear

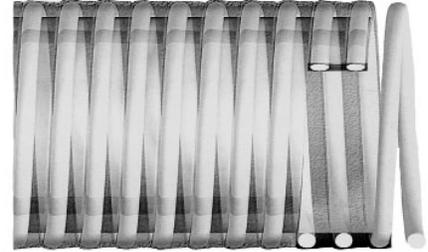
BRANDING: None

TEMPERATURE RANGE: -4°F to +150°F

FEATURES: Food grade PVC compound to comply with FDA requirements and 3-A sanitary standards. Smooth tube eliminates material build-up. Crystal clear PVC allows for visual flow inspection.

APPLICATION: Transfer dairy products, syrups, juices or other food products. Use in poultry cleaning and fish processing or pneumatically convey powders and pellets.

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4606-0750	3/4	19.1	0.97	25.6	100	0.16	28	4	
4606-1000	1	25.4	1.20	31.6	100	0.20	28	5	
4606-1250	1-1/4	32.0	1.58	40.0	90	0.40	28	6	
4606-1500	1-1/2	38.0	1.85	47.0	90	0.47	28	7.5	
4606-2000	2	51.8	2.40	61.0	75	0.67	28	9	
4606-2500	2-1/2	64.0	2.89	73.4	60	0.93	26	12	
4606-3000	3	76.0	3.42	87.0	60	1.14	26	15	
4606-4000	4	102.6	4.54	115.0	60	1.81	26	20	
4606-5000	5	127.0	5.59	142.0	40	2.42	23	24	
4606-6000	6	152.0	6.65	169.0	30	3.09	23	30	

NOTE: Working pressures decrease as temperature increases. Refer to pages 43 through 63 for couplings and accessories.

4660

CLEAR CORRUGATED COVER PVC/FDA HOSE MEDIUM DUTY

TUBE: Clear, smooth, FDA grade PVC, meets 3-A sanitary standards.

REINFORCEMENT: Clear PVC helix counterclockwise

COVER: Clear corrugated PVC

COLOR: Clear

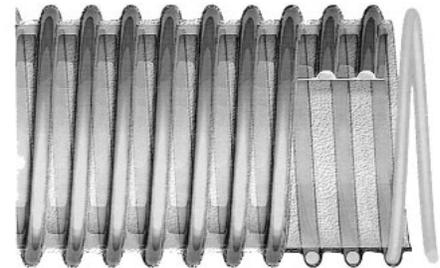
BRANDING: None

TEMPERATURE RANGE: -4°F to +150°F

FEATURES: Food grade PVC compound to comply with FDA requirements and 3-A sanitary standards. Smooth tube eliminates material build-up. Crystal clear PVC allows for visual flow inspection.

APPLICATION: Transfer dairy products, syrups, juices or other food products. Excellent for pneumatic transfer of pellets and granulars.

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D.* in.	O.D.* mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4660-1000	1	25.4	1.22	30.9	45	0.15	22	2	
4660-1250	1-1/4	32.0	1.41	35.8	40	0.23	22	2	
4660-1500	1-1/2	38.0	1.73	43.9	40	0.30	22	3	
4660-2000	2	50.8	2.23	56.6	30	0.45	20	3	
4660-2500	2-1/2	64.0	2.70	68.6	30	0.60	20	4	
4660-3000	3	76.0	3.23	82.0	30	0.88	20	5	
4660-4000	4	101.6	4.30	109.0	30	1.40	18	9	

* To opposite side of tube, not corrugations. NOTE: Working pressures decrease as temperature increases. COUPLINGS: Refer to pages 43 through 63 for couplings and accessories.

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

FOOD HOSE

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

4600

SPRING WIRE PVC/FDA HOSE

TUBE: PVC crystal clear, smooth, meets FDA and 3-A sanitary standards.

REINFORCEMENT: Electro galvanized spring steel wire.

COVER: PVC crystal clear, smooth, meets FDA and 3-A sanitary standards

COLOR: Clear

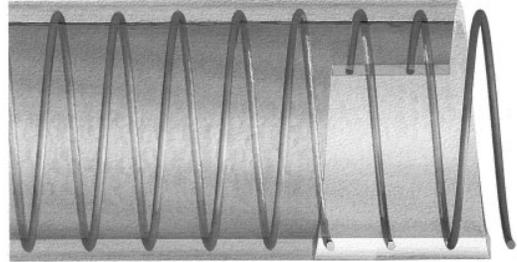
BRANDING: None

TEMPERATURE RANGE: +14°F to +140°F

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" through 1" 100 foot; 1-1/4" through 4" 50 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4600-0380	3/8	10.0	0.63	16.0	100	0.10	28	0.75	✓
4600-0500	1/2	12.0	0.71	18.0	100	0.13	28	1.00	✓
4600-0630	5/8	16.0	0.90	23.0	100	0.17	28	1.18	✓
4600-0750	3/4	20.0	1.06	27.0	100	0.24	28	1.34	✓
4600-1000	1	25.0	1.31	33.0	75	0.34	28	1.65	✓
4600-1250	1-1/4	32.0	1.61	41.0	75	0.50	26	2.00	✓
4600-1500	1-1/2	38.0	1.85	47.0	50	0.55	26	2.50	✓
4600-2000	2	50.0	2.36	60.0	50	0.84	26	3.23	✓
4600-2500	2-1/2	64.0	2.97	76.0	50	1.21	23	5.50	✓
4600-3000	3	76.0	3.51	89.0	50	1.48	23	6.50	✓
4600-3500	3-1/2	90.0	4.09	104.0	50	1.95	23	7.50	✓
4600-4000	4	102.0	4.57	116.0	50	2.18	23	8.50	✓

NOTE: Working pressure decreases as temperature increases.

FOOD HOSE

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

4511

BRAIDED PVC/FDA HOSE

TUBE: PVC crystal clear, non toxic, FDA.

REINFORCEMENT: Synthetic braid

COVER: PVC crystal clear, non toxic, FDA

COLOR: Clear

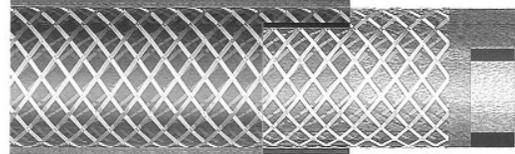
BRANDING: Jason Logo XXX PSI WP FDA Non-Toxic Country

TEMPERATURE RANGE: +14°F to +140°F

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 equipment, lube lines and other visual flow applications.

STANDARD LENGTHS: 1/4" through 1" 300 foot coils; 1-1/4" through 2" 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Braid	Stock Item (✓)
4511-0251	1/4	6.0	0.41	10.3	250	.044	1	✓
4511-0311	5/16	7.9	0.47	11.9	250	.053	1	✓
4511-0381	3/8	10.0	0.55	13.9	200	.069	1	✓
4511-0501	1/2	12.0	0.69	17.5	200	.097	1	✓
4511-0631	5/8	16.0	0.82	20.9	200	.122	1	✓
4511-0751	3/4	20.0	0.99	25.1	200	.176	1	✓
4511-1001	1	25.0	1.28	32.4	180	.269	1	✓
4511-1251	1-1/4	32.0	1.61	40.8	150	.435	1	✓
4511-1501	1-1/2	38.0	1.85	47.1	130	.510	1	✓
4511-2001	2	50.0	2.39	60.8	110	.743	1	✓

NOTE: Working pressure decreases as temperature increases.

4611

BRAIDED PVC/FDA VACUUM TRANSFER HOSE

TUBE: PVC crystal clear, non toxic, FDA.

REINFORCEMENT: Synthetic braid with wire helix

COVER: PVC crystal clear, non toxic, FDA

COLOR: Clear

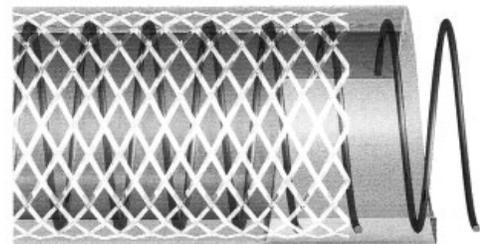
BRANDING: FDA ink stamped

TEMPERATURE RANGE: +14°F to +140°F

FEATURES: Smooth as glass tube. Resists chemical, ozone and weather deterioration.

APPLICATION: PVC suction and/or discharge line used in agriculture, horticulture, food or industrial applications requiring see-through design - also used as 1-1/4" well point hose.

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Braid	Stock Item (✓)
4611-0750	3/4	20.0	1.17	30.0	220	0.34	1	
4611-1000	1	25.0	1.38	35.0	220	0.44	1	
4611-1250	1-1/4	32.0	1.69	43.0	175	0.57	1	
4611-1500	1-1/2	38.0	1.97	50.0	175	0.77	1	

NOTE: Working pressure decreases as temperature increases.

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

PETROLEUM HOSE

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

4420

NITRILE PETROLEUM SUCTION HOSE

TUBE: Nitrile, black, smooth

REINFORCEMENT: Synthetic fabric with dual wire helix

COVER: Neoprene, oil, abrasion and weather resistant

COLOR: Black

BRANDING: Jason Logo 4420 Petroleum Suction 150 PSI WP
10 BAR; Red Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +200°F

FEATURES: Smooth, highly oil resistant tube to handle gasoline and other petroleum products having an aromatic content of 50%. Increased flexibility due to dual wire helix.

APPLICATION: For suction or discharge of petroleum-based products in truck and tank car operations.

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4420-0125-100	1-1/4	32.0	1.69	43.0	150	0.81	6	✓
4420-0150-100	1-1/2	38.0	2.00	51.0	150	0.91	6.5	✓
4420-0200-100	2	51.0	2.52	64.0	150	1.14	8	✓
4420-0250-100	2-1/2	64.0	3.06	78.0	150	1.76	12	✓
4420-0300-100	3	76.0	3.54	90.0	150	2.42	16	✓
4420-0400-100	4	102.0	4.60	117.0	150	2.69	18	✓
4420-0600-100	6	152.0	6.86	174.0	150	6.28	30	✓

All Sizes: Full Vacuum

Refer to pages 43 through 63 for couplings and accessories.

4415

OIL RETURN HOSE SAE 100 R4

TUBE: Nitrile, black, smooth

REINFORCEMENT: Synthetic fabric with wire helix

COVER: Neoprene, oil, weather and abrasion resistant

COLOR: Black

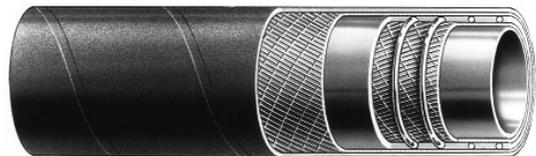
BRANDING: Jason Logo 4415 SAE 100 R4 Return Line
Orange Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F to +212°F

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 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4415-0075-100	3/4	19.0	1.25	32.0	300	0.45	4	✓
4415-0100-100	1	25.4	1.47	37.4	250	0.50	4.5	✓
4415-0125-100	1-1/4	31.8	1.77	45.0	200	0.64	6	
4415-0150-100	1-1/2	38.1	2.05	52.0	150	0.80	6.5	
4415-0200-100	2	51.0	2.51	64.0	150	0.99	8	

PETROLEUM HOSE

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

8312

FUEL LINE AND VAPOR EMISSION HOSE SAE 30 R7

TUBE: TPE, black, smooth, gasoline, oil and grease resistant

REINFORCEMENT: Synthetic braid

COVER: TPE, smooth, gasoline, oil and grease resistant.

COLOR: Black

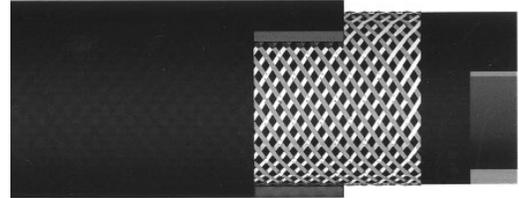
BRANDING: Jason Logo 8312 ID Size SAE30R7
Fuel/Vapor Line Country

TEMPERATURE RANGE: -29°F to +257°F

FEATURES: Resists deterioration from fuel. One piece reels.

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

STANDARD LENGTHS: 500 ft. reels



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Burst PSI	Weight PSI	Stock Item (✓)
8312-03-500	3/16	4.8	.406	10.3	60	200	0.053	✓
8312-04-500	1/4	6.4	.500	12.7	60	200	0.077	✓
8312-05-500	5/16	7.9	.563	14.3	60	200	0.090	✓
8312-06-500	3/8	9.5	.626	15.9	60	200	0.103	✓
8312-08-500	1/2	12.7	.780	19.8	40	175	0.146	
8312-10-500	5/8	15.9	.937	23.8	40	175	0.200	

MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

4470

BULK MATERIAL SUCTION HOSE

TUBE: 1/4" pure gum rubber, tan

REINFORCEMENT: Synthetic fabric with wire helix and static wire

COVER: EPDM, abrasion, weather and ozone resistant, fabric impression, corrugated.

COLOR: Black

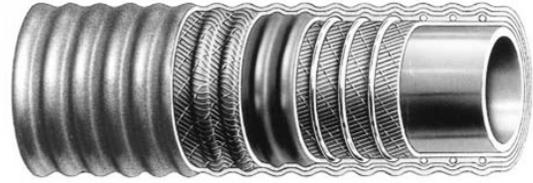
BRANDING: Jason Logo 4470 Dry Bulk S/D 75 PSI WP
5 BAR White Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F to +180°F

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

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

STANDARD LENGTHS: 1-1/2" through 8" 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4470-0150-100	1-1/2	38.0	2.60	53.3	75	1.11	28	4	✓
4470-0200-100	2	51.0	2.60	67.0	75	1.30	28	12	✓
4470-0250-100	2-1/2	64.0	3.11	79.0	75	1.65	28	17	✓
4470-0300-100	3	76.0	3.66	93.0	75	2.25	28	18	✓
4470-0400-100	4	102.0	4.69	119.0	75	2.93	28	24	✓
4470-0500-100	5	127.0	5.70	145.0	75	3.83	28	33	✓
4470-0600-100	6	152.0	6.73	171.0	75	5.00	28	40	✓
4470-0800-100	8	203.0	9.13	232.0	60	10.05	28	32	✓

Refer to pages 43 through 63 for couplings and accessories.

NOTE: 4470 is not FDA; see 4460 Pg. 13

4425

HOT AIR BLOWER HOSE

TUBE: EPDM

REINFORCEMENT: Synthetic fabric with wire helix

COVER: EPDM, abrasion, weather and ozone resistant, fabric impression.

COLOR: Black

BRANDING: Jason Logo 4425 Hot Air 325 F; White Mylar Longitudinal Stripe

TEMPERATURE RANGE: Intermittent to +350°F

FEATURES: High heat resistant tube, flexible

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

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4425-0300-100	3	76.0	3.56	90.0	50	1.93	5.5	✓
4425-0400-100	4	102.0	4.60	117.0	50	2.65	7	

Refer to pages 43 through 63 for couplings and accessories.

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

MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

4323

3/16" TUBE DRY CEMENT, POWDER DISCHARGE HOSE

4324

1/4" TUBE DRY CEMENT, POWDER DISCHARGE HOSE

TUBE: Natural and SBR rubber blend, black static dissipating

REINFORCEMENT: Synthetic fabric (2-ply)

COVER: SBR, abrasion, weather and ozone resistant, fabric impression

COLOR: Black

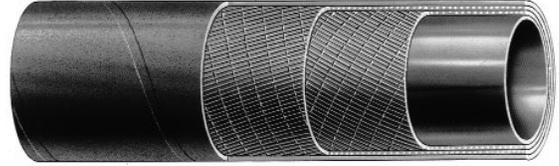
BRANDING: Jason Logo 4323 Dry Bulk Discharge;
White Mylar Longitudinal Stripe
Jason Logo 4324 HD Dry Bulk Discharge;
White Mylar Longitudinal Stripe

TEMPERATURE RANGE: -40°F to +185°F

FEATURES: Highly abrasion-resistant tube resists cutting and gouges.
Can be rolled flat for transport and storage.

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

STANDARD LENGTHS: 100 foot



Part Number	Tube Size	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
4323-0400-100	3/16	4	102.0	4.68	119.0	75	2.42	✓
4323-0500-100	3/16	5	127.0	5.68	144.0	75	2.92	✓
4324-0400-100	1/4	4	102.0	4.84	123.0	75	3.23	✓
4324-0500-100	1/4	5	127.0	5.84	148.0	75	3.80	✓

Refer to pages 43 through 63 for couplings and accessories.

4310

GUNITE HOSE

TUBE: Pure gum, tan, 1/4" thick, abrasion resistant

REINFORCEMENT: Synthetic fabric with incorporated static wire

COVER: EPDM weather and abrasion resistant, pin pricked

COLOR: Tan (non-marking)

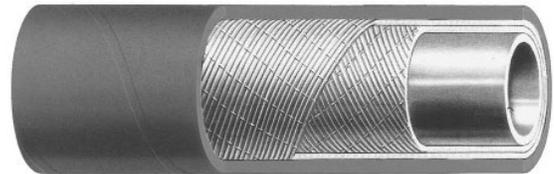
BRANDING: None; red longitudinal stripe only

TEMPERATURE RANGE: -40°F to +185°F

FEATURES: Superior abrasive resistant tube with excellent flexibility. The non-marking cover allows for work around buildings and pool tiles.

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

STANDARD LENGTHS: 50 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Ply	Stock Item (✓)
4310-0150-050	1-1/2	38.0	2.38	61.0	150	1.10	2	✓
4310-0163-050	1-5/8	41.0	2.50	64.0	150	1.23	2	✓
4310-0175-050	1-3/4	45.0	2.63	67.0	150	1.52	2	
4310-0200-050	2	51.0	2.88	73.0	150	1.65	2	✓
4310-0250-050	2-1/2	64.0	3.88	86.0	150	2.30	2	✓

All sizes may not be stocked in all locations. Check with customer service for availability. 19

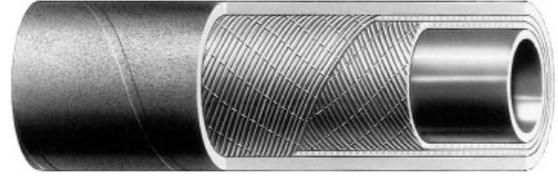
MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

4312

2-PLY SANDBLAST HOSE

TUBE: SBR/NR, black, static dissipating
REINFORCEMENT: Synthetic fabric
COVER: SBR/NR, abrasion and weather resistant, pinpricked
COLOR: Black
BRANDING: None
TEMPERATURE RANGE: -25°F to +185°F
FEATURES: Highly abrasion resistant tube to handle any blast grit.



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

STANDARD LENGTHS: 50 foot

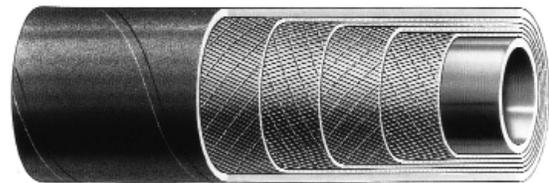
Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
	in.	mm.	in.	mm.				
4312-0050-050	1/2	12.7	1	25.4	150	0.31	50	✓
4312-0051-050	1/2	12.7	1-1/16	27.0	150	0.33	50	✓
4312-0052-050	1/2	12.7	1-1/8	29.0	150	0.38	50	✓
4312-0075-050	3/4	19.05	1-1/2	38.0	150	0.60	50	✓

Refer to pages 43 through 63 for couplings and accessories.

4314

4-PLY SANDBLAST HOSE

TUBE: SBR/NR, 1/4" thick, black, static dissipating
REINFORCEMENT: Synthetic fabric
COVER: SBR/NR, abrasion and weather resistant, pinpricked
COLOR: Black
BRANDING: Jason Logo 4314 4 Ply Blast 150 PSI WP 10 BAR; Green Mylar Longitudinal Stripe
TEMPERATURE RANGE: -25°F to +185°F
FEATURES: Highly abrasion resistant tube to handle manufactured coal slag, aluminum oxide or grit. Each OD is held to strict tolerances for ideal coupling compatibility. (RMA)



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

STANDARD LENGTHS: 50/100 foot

Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
	in.	mm.	in.	mm.				
4314-0075-050	3/4	19.05	1-1/2	38.0	150	0.66	50	✓
4314-0075-100	3/4	19.05	1-1/2	38.0	150	0.66	100	✓
4314-0100-050	1	25.4	1-7/8	48.0	150	0.80	50	✓
4314-0100-100	1	25.4	1-7/8	48.0	150	0.80	100	✓
4314-0125-050	1-1/4	32.0	2-5/32	55.0	150	1.04	50	✓
4314-0125-100	1-1/4	32.0	2-5/32	55.0	150	1.04	100	✓
4314-0150-050	1-1/2	38.0	2-3/8	60.0	150	1.25	50	✓
4314-0150-100	1-1/2	38.0	2-3/8	60.0	150	1.25	100	✓
4314-0200-050	2	51.0	2-7/8	73.0	150	1.45	50	✓
4314-0200-100	2	51.0	2-7/8	73.0	150	1.45	100	✓

Refer to pages 43 through 63 for couplings and accessories.

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

MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

4313

LIGHTWEIGHT SANDBLAST HOSE

TUBE: SBR/NR, black, static dissipating

REINFORCEMENT: Synthetic fabric

COVER: SBR/NR, abrasion and weather resistant

COLOR: Black

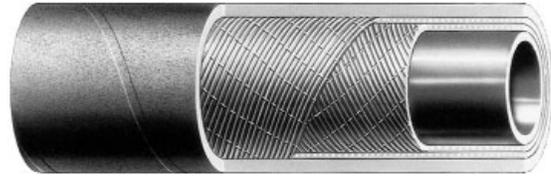
BRANDING: Jason Logo 4313 LW Blast 1-7/8" OD 150 PSI
WP 10 BAR Green Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +185°F

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 in. OD hose.

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

STANDARD LENGTHS: 50/100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
4313-0125-050	1-1/4	32.0	1-7/8	48.0	150	0.83	50	✓
4313-0125-100	1-1/4	32.0	1-7/8	48.0	150	0.83	100	

Refer to pages 43 through 63 for couplings and accessories.

4643

POLYURETHANE LINED PVC VACUUM HOSE

TUBE: PU red lined, smooth, resists abrasion, 1-1.5mm thickness

REINFORCEMENT: PVC helix

COVER: PVC, corrugated counterclockwise, UV and weather resistant

COLOR: Red PU lined tube, black cover

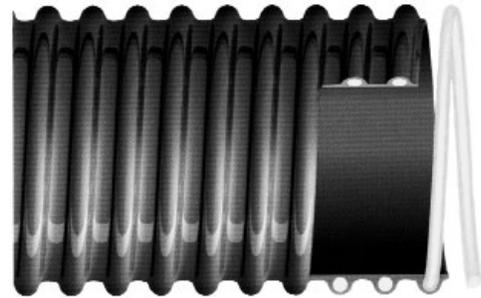
BRANDING: None

TEMPERATURE RANGE: -15°F to +140°F

FEATURES: Polyurethane-lined PVC hose for abrasion resistance. Smooth tube allows product to flow freely.

APPLICATION: For suction or discharge of abrasive slurries, cement, sand and gravel.

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4643-0150-100	1-1/2	38.0	1.85	47.0	75	0.44	28	4	
4643-0200-100	2	51.0	2.38	61.0	75	0.71	28	5	
4643-0250-100	2-1/2	64.0	2.91	74.0	75	0.93	28	5	
4643-0300-100	3	76.0	3.43	87.0	50	1.14	28	7	
4643-0400-100	4	102.0	4.52	115.0	50	1.81	28	10	
4643-0500-100	5	127.0	5.59	142.0	40	2.42	28	16	
4643-0600-100	6	152.0	6.69	170.0	30	3.36	28	20	

MATERIAL HANDLING HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

4690CL POLYURETHANE LAWN AND LEAF COLLECTION HOSE

TUBE: PU, smooth, clear, resists material build-up

REINFORCEMENT: PVC helix

COVER: PVC, clear, corrugated counterclockwise

COLOR: Clear with cream colored helix

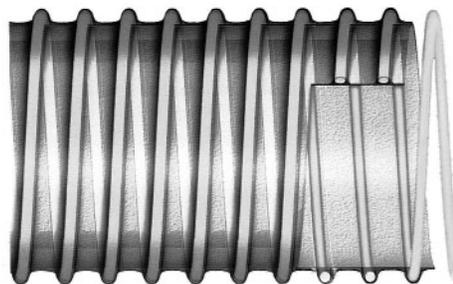
BRANDING: None

TEMPERATURE RANGE: -4°F to +176°F

FEATURES: Polyurethane construction for extreme abrasion resistance. Corrugated for increased flexibility.

APPLICATION: For lawn, leaf, mulch and yard waste collection associated with commercial landscaping. Also suitable for dust control, ventilation and ducting.

STANDARD LENGTHS: 50/100 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
	in.	mm.	in.	mm.				
4690CL3000	3	76.0	3.03	77.0	8	0.37	100	
4690CL4000	4	102.0	4.06	103.2	7	0.50	100	
4690CL5000	5	127.0	5.05	128.2	6	0.74	100	
4690CL6000	6	152.0	6.04	153.4	5	1.00	100	
4690CL7000	7	178.0	7.09	180.0	3	1.43	50	
4690CL8000	8	202.0	8.03	204.0	3	1.48	50	
4690CL10000	10	250.0	10.09	256.0	3	2.08	30	
4690CL12000	12	300.0	12.09	307.0	3	2.52	30	

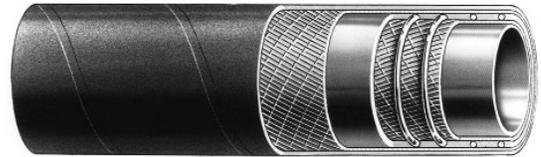
WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4450

RUBBER WATER SUCTION HOSE

TUBE: EPDM blend, smooth, black
REINFORCEMENT: Synthetic fabric with wire helix
COVER: EPDM blend, weather and ozone resistant, fabric impression
COLOR: Black
BRANDING: Jason Logo 4450 Water S/D; Yellow Mylar Longitudinal Stripe



TEMPERATURE RANGE: -25°F to +185°F
FEATURES: Resistant to water-based ag fertilizers and salt water. Flexible and economical.

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

STANDARD LENGTHS: 1-1/4" through 5" 100 foot, 6" 20, 50 and 100 foot, 8", 10", 12" 20 foot

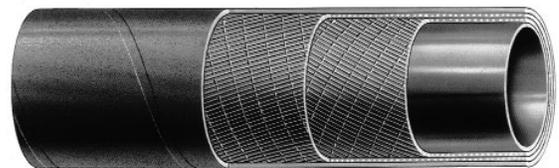
Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4450-0125-100	1-1/4	32.0	1.70	43.0	150	0.75	28	6	✓
4450-0150-100	1-1/2	38.0	1.96	50.0	150	0.80	28	6.5	✓
4450-0200-100	2	51.0	2.49	63.0	150	1.11	28	8	✓
4450-0250-100	2-1/2	64.0	2.99	76.0	150	1.75	28	10	✓
4450-0300-100	3	76.0	3.50	89.0	150	2.24	28	12	✓
4450-0400-100	4	102.0	4.53	115.0	150	2.79	28	18	✓
4450-0500-100	5	127.0	5.68	144.0	150	3.25	28	26	✓
4450-0600-020	6	152.0	6.54	166.0	150	5.75	28	31	✓
4450-0600-050	6	152.0	6.54	166.0	150	5.75	28	31	✓
4450-0600-100	6	152.0	6.54	166.0	150	5.75	28	31	✓
4450-0800-020	8	203.0	8.79	223.0	100	6.59	28	42	✓
4450-1000-020	10	254.0	10.91	277.0	75	10.25	25	50	✓
4450-1200-020	12	305.0	12.91	328.0	75	13.50	25	60	✓

Refer to pages 43 through 63 for couplings and accessories.

4360

PAPERMILL WASHDOWN HOSE

TUBE: SBR, white
REINFORCEMENT: Synthetic fabric
COVER: SBR abrasion and weather resistant
COLOR: White
BRANDING: Jason Logo 4360 150 PSI WP 10 BAR; Black Mylar Longitudinal Stripe



TEMPERATURE RANGE: -40°F to +212°F
FEATURES: Permanent built-on nozzle to reduce damage to papermill pulp screens.
APPLICATION: For washdown service with hot water to +180°F.
STANDARD LENGTHS: 50 foot

Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Ply	Stock Item (✓)
4360-0075-050	3/4	19.05	1.25	32.0	150	0.50	2	✓
4360-0100-050	1	25.4	1.44	37.0	150	0.55	2	✓
4360-0125-050	1-1/4	32.0	1.75	45.0	150	0.70	2	✓
4360-0150-050	1-1/2	38.0	2.06	52.0	150	1.00	2	✓

All sizes may not be stocked in all locations. Check with customer service for availability. 23

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4352

RUBBER 2-PLY WATER DISCHARGE HOSE

TUBE: SBR, smooth, black

REINFORCEMENT: Synthetic fabric

COVER: SBR, weather and ozone resistant, fabric impression

COLOR: Black

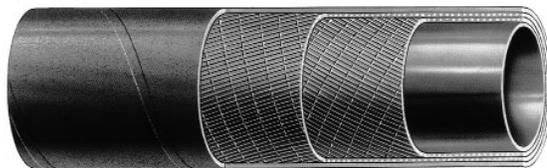
BRANDING: Jason Logo 4352 XX ID Water Discharge XXX PSI
WP XX BAR Blue Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +185°F

FEATURES: Ideal standard working pressure, lays flat and rolls up for easy storage.

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

STANDARD LENGTHS: 1-1/2" through 8" 100 foot, 10", 12" 50 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
	in.	mm.	in.	mm.				
4352-0150-100	1-1/2	38.0	1.81	46.0	150	0.60	100	✓
4352-0200-100	2	51.0	2.31	59.0	150	0.84	100	✓
4352-0250-100	2-1/2	64.0	2.75	70.0	150	0.91	100	✓
4352-0300-100	3	76.0	3.38	86.0	150	1.12	100	✓
4352-0400-100	4	102.0	4.37	111.0	150	1.25	100	✓
4352-0500-100	5	127.0	5.51	140.0	150	2.29	100	✓
4352-0600-100	6	152.0	6.50	165.0	150	3.45	100	✓
4352-0662-100	6-5/8	168.3	7.13	181.0	125	3.70	100	✓
4352-0800-100	8	203.0	8.50	216.0	100	4.30	100	✓
4352-1000-050	10	254.0	10.50	267.0	100	5.40	50	✓
4352-1200-050	12	305.0	12.50	318.0	100	6.75	50	✓

Refer to pages 43 through 63 for couplings and accessories.

4354

RUBBER 4-PLY WATER DISCHARGE HOSE

TUBE: SBR, smooth, black

REINFORCEMENT: Synthetic fabric

COVER: SBR, weather and ozone resistant, fabric impression

COLOR: Black

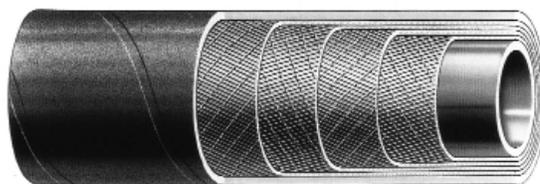
BRANDING: Jason Logo 4354 XX ID Water Discharge XXX PSI
WP XX BAR Yellow Mylar Longitudinal Stripe

TEMPERATURE RANGE: -25°F to +185°F

FEATURES: Ideal high-pressure water discharge for rugged, tough operating conditions.

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

STANDARD LENGTHS: 1-1/2" through 6" 100 foot, 8", 10", 12" 50 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Length Ft.	Stock Item (✓)
	in.	mm.	in.	mm.				
4354-0150-100	1-1/2	38.0	2.00	51.0	250	0.83	100	✓
4354-0200-100	2	51.0	2.56	65.0	250	1.11	100	✓
4354-0250-100	2-1/2	64.0	3.07	78.0	250	1.24	100	✓
4354-0300-100	3	76.0	3.58	91.0	225	1.50	100	✓
4354-0400-100	4	102.0	4.61	117.0	200	1.85	100	✓
4354-0600-100	6	152.0	6.57	167.0	150	3.90	100	✓
4354-0800-050	8	203.0	8.66	220.0	125	5.25	50	✓
4354-1000-050	10	254.0	10.66	271.0	125	6.29	50	✓
4354-1200-050	12	305.0	12.68	322.0	125	7.83	50	✓

Refer to pages 43 through 63 for couplings and accessories.

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

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4701

SJ MILL DISCHARGE HOSE

TUBE: SBR, smooth
REINFORCEMENT: N/A
COVER: 100% Polyester Single Jacket
COLOR: White
BRANDING: ID x Length 150 PSI Service
TEMPERATURE RANGE: -25°F to +185°F
FEATURES: Water resistant cover that will not rot or mildew, economical, rolls up for easy storage.
APPLICATION: For water discharge on pumps, deck washdown on ships or factory/plant clean-up or equipment rental.
STANDARD LENGTHS: 50/100 foot



Part Number	I.D. in.	I.D. mm.	Coupling Bowl	Service (PSi)	Test (PSi)	Weight Per Ft.	Ctn. Qty.	Length Ft.	Stock Item (✓)
4701-1500	1-1/2	38.0	1-3/4	150	300	0.18	6 each	50	
4701-1501	1-1/2	38.0	1-3/4	150	300	0.18	1 each	100	
4701-2000	2	51.0	2-5/16	150	300	0.22	4 each	50	
4701-2001	2	51.0	2-5/16	150	300	0.22	1 each	100	
4701-2500	2-1/2	64.0	2-13/16	150	300	0.28	3 each	50	
4701-2501	2-1/2	64.0	2-13/16	150	300	0.28	1 each	100	
4701-3000	3	76.0	3-3/8	150	300	0.36	3 each	50	
4701-3001	3	76.0	3-3/8	150	300	0.36	1 each	100	
4701-4000	4	102.0	4-3/8	150	300	0.48	2 each	50	
4701-4001	4	102.0	4-3/8	150	300	0.48	1 each	100	

Refer to pages 43 through 63 for couplings and accessories.

4703

DJ MILL DISCHARGE HOSE

TUBE: SBR, smooth
REINFORCEMENT: N/A
COVER: 100% Polyester Double Jacket
COLOR: White
BRANDING: ID x Length Double Jacket
TEMPERATURE RANGE: -25°F to +185°F
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: 50/100 foot



Part Number	I.D. in.	I.D. mm.	Coupling Bowl	Service (PSi)	Test (PSi)	Weight Per Ft.	Ctn. Qty.	Length Ft.	Stock Item (✓)
4703-1500	1-1/2	38.0	1-13/16	300	600	0.26	6 each	50	✓
4703-1501	1-1/2	38.0	1-13/16	300	600	0.26	1 each	100	✓
4703-2000	2	51.0	2-5/16	300	600	0.33	4 each	50	✓
4703-2001	2	51.0	2-5/16	300	600	0.33	1 each	100	✓
4703-2500	2-1/2	64.0	2-13/16	300	600	0.45	3 each	50	✓
4703-2501	2-1/2	64.0	2-13/16	300	600	0.45	1 each	100	✓

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4703

COUPLED DJ MILL DISCHARGE HOSE

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

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



Part Number	I.D. in.	Length Ft.	Thread	WT Length	Stock Item (✓)
4703-1500-050ERNPS	1-1/2	50	NPS	15	✓
4703-1500-050ERNST	1-1/2	50	NST	15	✓
4703-2000-050ERNPS	2	50	NPS	20	✓
4703-2500-050ERNPS	2-1/2	50	NPS	25	✓
4703-2500-050ERNST	2-1/2	50	NST	25	✓

Coupled single jacket; special order

4705

MUNICIPAL GRADE SJ MILL DISCHARGE HOSE

TUBE: SBR, smooth

REINFORCEMENT: N/A

COVER: 100% Polyester Single Jacket

COLOR: White

BRANDING: ID SJ Mill XXX PSI WP (XX Bar)

TEMPERATURE RANGE: -25°F to +185°F

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 foot



Part Number	I.D. in.	I.D. mm.	Coupling Bowl	Service PSI	Burst PSI	Weight Per Ft.	Ctn Qty.	Stock Item (✓)
4705-0150-050	1-1/2	38.0	1-13/16	230 (16 BAR)	600	0.23	6	✓
4705-0200-050	2	51.0	2-5/16	230 (16 BAR)	600	0.28	4	✓
4705-0250-050	2-1/2	64.0	2-13/16	200 (14 BAR)	550	0.39	3	✓
4705-0300-050	3	76.0	3-3/8	200 (14 BAR)	550	0.50	3	✓
4705-0400-050	4	102.0	4-3/8	200 (14 BAR)	550	0.66	2	✓

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4380 NON-CONDUCTIVE FURNACE DOOR COOLANT HOSE

TUBE: EPDM, white, smooth, non-conductive

REINFORCEMENT: Synthetic fabric

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

COLOR: Off White

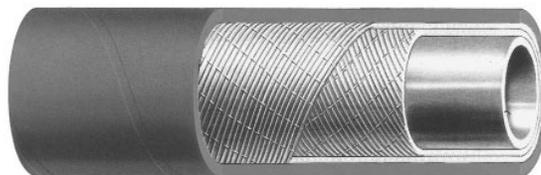
BRANDING: None

TEMPERATURE RANGE: -40°F to +266°F Cover to +575°F

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

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

STANDARD LENGTHS: 100 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Ply	Stock Item (✓)
	in.	mm.	in.	mm.				
4380-0050-100	1/2	13.0	0.91	23.0	150	0.20	2	✓
4380-0075-100	3/4	19.0	1.19	30.0	150	0.30	2	✓
4380-0100-100	1	25.4	1.38	35.0	150	0.50	2	✓
4380-0125-100	1-1/4	32.0	1.75	45.0	150	0.90	2	✓
4380-0150-100	1-1/2	38.0	2.00	51.0	150	1.00	2	✓
4380-0200-100	2	51.0	2.53	64.0	150	1.10	2	✓

4501 BLUE PVC WATER DISCHARGE HOSE

TUBE: PVC, smooth, black

REINFORCEMENT: Synthetic fabric

COVER: PVC, smooth, weather, ozone, UV resistant.

COLOR: Blue

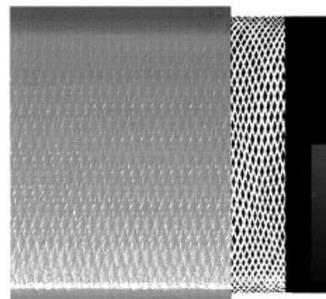
BRANDING: None (Country)

TEMPERATURE RANGE: -14°F to +150°F

FEATURES: Easy to handle, rolls flat for storage; a better grade than standard PVC blue hose.

APPLICATION: For water discharge in construction, mining, agriculture or equipment rental.

STANDARD LENGTHS: 300 foot



Part Number	I.D.		Wall Thickness Prox	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
	in.	mm.				
4501-1500	1-1/2	38.0	.069"	100	0.24	
4501-2000	2	51.0	.069"	100	0.27	
4501-2500	2-1/2	64.0	.069"	75	0.33	
4501-3000	3	76.0	.077"	75	0.44	
4501-4000	4	102.0	.081"	75	0.63	
4501-6000	6	152.0	.110"	50	1.20	
4501-8000	8	203.0	.122"	40	1.34	

Refer to pages 43 through 63 for couplings and accessories.

All sizes may not be stocked in all locations. Check with customer service for availability. **27**

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4502

BLUE PVC WATER DISCHARGE HOSE

COLOR: Blue

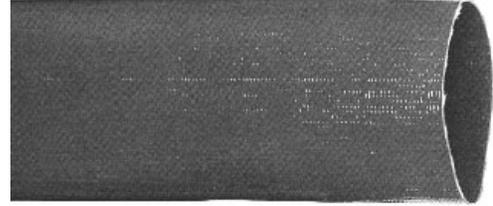
BRANDING: Jason Logo XX ID XX PSI WP

TEMPERATURE RANGE: -14°F to +150°F

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 foot; 2" and 3" also available in 50 foot lengths.



Part Number	I.D. in.	I.D. mm.	Wall Thickness Prox	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
4502-1500	1-1/2	38.0	.056"	85	0.21	✓
4502-2000	2	51.0	.056"	85	0.25	✓
4502-2000-050	2	51.0	.056"	85	0.25	✓
4502-2500	2-1/2	64.0	.060"	75	0.29	✓
4502-3000	3	76.0	.062"	70	0.39	✓
4502-3000-050	3	76.0	.062"	70	0.39	✓
4502-4000	4	102.0	.062"	70	0.60	✓
4502-6000	6	152.0	.077"	50	1.15	✓
4502-8000	8	203.0	.089"	45	1.20	✓

Refer to pages 43 through 63 for couplings and accessories.

4510

RED PVC WATER DISCHARGE HOSE

TUBE: PVC, smooth, black

REINFORCEMENT: Synthetic fabric

COVER: PVC, smooth, weather, ozone, UV resistant.

COLOR: Red

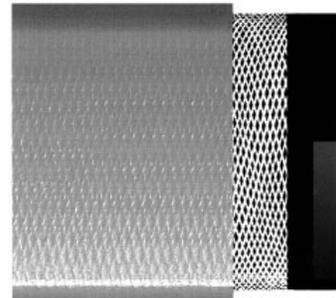
BRANDING: None (Country)

TEMPERATURE RANGE: -14°F to +150°F

FEATURES: High working pressures, economical, easy to handle, rolls flat. Manufactured for tough abuse.

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

STANDARD LENGTHS: 300 foot



Part Number	I.D. in.	I.D. mm.	Wall Thickness Prox	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
4510-1500	1-1/2	38.0	0.081"	170	0.28	✓
4510-2000	2	51.0	0.089"	170	0.30	✓
4510-2500	2-1/2	64.0	0.092"	160	0.37	✓
4510-3000	3	76.0	0.098"	160	0.46	✓
4510-4000	4	102.0	0.110"	150	0.67	✓
4510-6000	6	152.0	0.121"	150	1.08	✓
4510-8000	8	203.0	0.138"	115	1.55	✓

Refer to pages 43 through 63 for couplings and accessories.

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

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4520

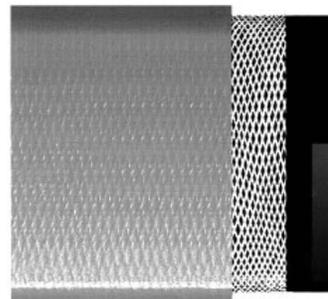
YELLOW PVC WATER DISCHARGE HOSE WATER JETTING HOSE

TUBE: PVC, smooth, black
REINFORCEMENT: Synthetic fabric
COVER: PVC, smooth, weather, ozone, UV resistant.
COLOR: Yellow
BRANDING: None (Country)
TEMPERATURE RANGE: -14°F to +150°F

FEATURES: Stronger with a more abrasion resistant cover that is very thick. Withstands wear from dragging.

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

STANDARD LENGTHS: 1-1/2" through 6" 300 foot, 8" 100 foot



Part Number	I.D. in.	I.D. mm.	Wall Thickness Prox	Max W.P. PSI	Weight Per Ft.	Stock Item (✓)
4520-1500	1-1/2	38.0	0.090"	250	0.48	✓
4520-2000	2	51.0	0.110"	250	0.60	✓
4520-2500	2-1/2	64.0	0.115"	250	0.79	✓
4520-3000	3	76.0	0.120"	250	0.98	✓
4520-4000	4	102.0	0.162"	200	1.44	✓
4520-6000	6	152.0	0.175"	160	2.16	✓
4520-8000	8	203.0	0.210"	150	2.56	✓

Refer to pages 43 through 63 for couplings and accessories.

4653

SEPTIC AND AGRICULTURAL EPDM SUCTION HOSE

COLOR: Black with green helix
BRANDING: None
TEMPERATURE RANGE: -40°F to +175°F

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

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

STANDARD LENGTHS: 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Bend Radius (In.)	Stock Item (✓)
4653-0100-100	1	25.0	1.35	34.0	35	0.20	2	
4653-0125-100	1-1/4	32.0	1.64	42.0	35	0.35	3	
4653-0150-100	1-1/2	38.0	1.86	47.0	35	0.40	4	
4653-0200-100	2	51.0	2.43	62.0	35	0.65	5	
4653-0250-100	2-1/2	63.0	2.90	74.0	35	0.90	6	
4653-0300-100	3	76.0	3.51	89.0	35	1.10	8	
4653-0400-100	4	102.0	4.60	117.0	35	1.90	12	
4653-0600-100	6	152.0	6.70	170.0	35	3.00	21	

All sizes full vacuum. Refer to pages 43 through 63 for couplings and accessories.

All sizes may not be stocked in all locations. Check with customer service for availability. **29**

WATER HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

4601

GREEN PVC WATER SUCTION HOSE

4615

CLEAR/WHITE HELIX PVC WATER SUCTION HOSE

TUBE: PVC, smooth, green or clear

REINFORCEMENT: PVC helix

COVER: PVC, smooth to lightly corrugated, weather, ozone and UV resistant.

COLOR: Green (4601) or Clear with White helix (4615)

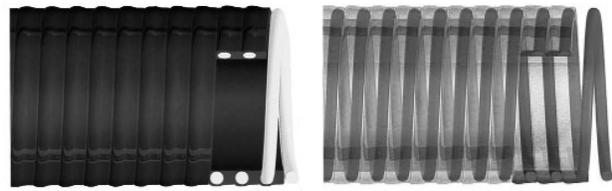
BRANDING: None

TEMPERATURE RANGE: -14°F to +150°F

FEATURES: Lightweight and flexible with a smooth, non-restricting tube. Use 4615 for visual flow inspection.

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

STANDARD LENGTHS: 3/4" through 6" 100 foot



Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4601-0750	3/4	19.0	0.95	24.0	100	0.16	28	2.0	✓
4601-1000	1	25.0	1.22	31.0	100	0.20	28	5.0	✓
4601-1250	1-1/4	32.0	1.41	38.0	100	0.26	28	6.0	✓
4601-1500	1-1/2	38.0	1.77	45.0	100	0.35	28	7.0	✓
4601-2000	2	51.0	2.32	59.0	100	0.54	28	9.0	✓
4601-2500	2-1/2	64.0	2.87	73.0	80	0.70	26	11.0	✓
4601-3000	3	76.0	3.35	85.0	75	0.93	26	14.0	✓
4601-4000	4	102.0	4.49	114.0	60	1.48	26	18.0	✓
4601-6000	6	152.0	6.46	164.0	50	2.89	26	31.0	✓

Part Number	I.D. in.	I.D. mm.	O.D. in.	O.D. mm.	Max W.P. PSI	Weight Per Ft.	Vac In. Hg	Bend Radius (In.)	Stock Item (✓)
4615-1000	1	25.0	1.22	31.0	100	0.20	28	5.0	✓
4615-1250	1-1/4	32.0	1.41	38.0	100	0.26	28	6.0	✓
4615-1500	1-1/2	38.0	1.77	45.0	100	0.35	28	7.0	✓
4615-2000	2	51.0	2.32	59.0	100	0.54	28	9.0	✓
4615-2500	2-1/2	64.0	2.87	73.0	80	0.70	26	11.0	✓
4615-3000	3	76.0	3.35	85.0	75	0.93	26	14.0	✓
4615-4000	4	102.0	4.49	114.0	60	1.48	26	18.0	✓
4615-6000	6	152.0	6.46	164.0	50	2.89	26	31.0	✓

Refer to pages 43 through 63 for couplings and accessories.

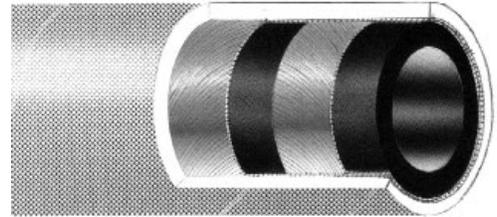
Working pressure decreases as temperature increases.

SPRAY HOSE

4182

MSHA MINE SPRAY HOSE

TUBE: SBR, black, smooth
REINFORCEMENT: 2 steel wire plies
COVER: Neoprene, flame retardant, fabric impression, pin-pricked
COLOR: Yellow
BRANDING: Jason logo 4182 Mine Spray MSHA IC-215/00
 1000 PSI WP 69 Bar Black Mylar Longitudinal Stripe
TEMPERATURE RANGE: 0°F to +200°F
FEATURES: Visible yellow color, flame retardant
APPLICATION: For dust control in underground water spray operations.
STANDARD LENGTHS: 50 and 100 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Spiral	Stock Item (✓)
	in.	mm.	in.	mm.				
4182-0075-050	3/4	19.05	1.22	31	1000	.60	2	✓
4182-0075-100	3/4	19.05	1.22	31	1000	.60	2	✓
4182-0100-050	1	25.40	1.49	38	1000	.80	2	✓
4182-0100-100	1	25.40	1.49	38	1000	.80	2	✓
4182-0125-050	1-1/4	31.75	1.81	46	1000	1.05	2	✓
4182-0125-100	1-1/4	31.75	1.81	46	1000	1.05	2	✓
4182-0150-050	1-1/2	38.10	2.04	52	1000	1.24	2	✓
4182-0150-100	1-1/2	38.10	2.04	52	1000	1.24	2	
4182-0200-050	2	51.00	2.60	66	1000	1.80	2	
4182-0200-100	2	51.00	2.60	66	1000	1.80	2	

STEAM HOSE

FOR THE TRANSFER OF SATURATED STEAM

4815

EPDM STEAM HOSE

TUBE: EPDM, black

REINFORCEMENT: Steel wire

COVER: EPDM, pin-pricked, weather and ozone resistant, fabric impression

COLOR: Black

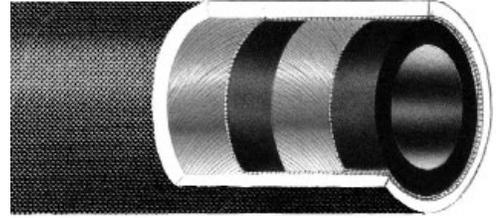
BRANDING: Jason Logo 4815 EPDM 250 PSI WP Drain After Use, White Mylar Longitudinal Stripe

TEMPERATURE RANGE: To +450°F

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

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

STANDARD LENGTHS: 50/100 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Spiral	Stock Item (✓)
	in.	mm.	in.	mm.				
4815-0050-050	1/2	13.0	1.00	25.0	250	0.40	2	✓
4815-0050-100	1/2	13.0	1.00	25.0	250	0.40	2	✓
4815-0075-050	3/4	19.0	1.25	32.0	250	0.51	2	✓
4815-0075-100	3/4	19.0	1.25	32.0	250	0.51	2	✓
4815-0100-050	1	25.4	1.50	38.0	250	0.67	2	✓
4815-0100-100	1	25.4	1.50	38.0	250	0.67	2	✓
4815-0125-050	1-1/4	32.0	1.81	46.0	250	0.87	2	✓
4815-0125-100	1-1/4	32.0	1.81	46.0	250	0.87	2	✓
4815-0150-050	1-1/2	38.0	2.13	54.0	250	1.11	2	✓
4815-0150-100	1-1/2	38.0	2.13	54.0	250	1.11	2	✓
4815-0200-050	2	51.0	2.64	67.0	250	1.80	2	✓
4815-0200-100	2	51.0	2.64	67.0	250	1.80	2	✓
4815-0300-050	3	76.0	3.81	97.0	250	3.17	2	✓
4815-0300-100	3	76.0	3.81	97.0	250	3.17	2	✓

Refer to pages 43 through 63 for couplings and accessories.

Do not use universal couplings with steam hose.

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

STEAM HOSE

FOR THE TRANSFER OF SATURATED STEAM

4818

CHLOROBUTYL STEAM HOSE

TUBE: Chlorobutyl, black

REINFORCEMENT: Steel wire

COVER: EPDM, pin-pricked, weather and ozone resistant,

COLOR: Red

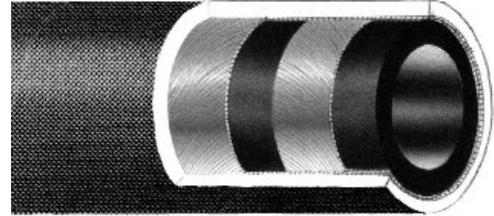
BRANDING: Jason logo 4818 250 PSI Steam Drain After Use
White Mylar Longitudinal Stripe

TEMPERATURE RANGE: To +450°F

FEATURES: Withstands saturated and superheated steam.
Pin-pricked.

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

STANDARD LENGTHS: 50/100 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Weight Per Ft.	Spiral	Stock Item (✓)
	in.	mm.	in.	mm.				
4818-0050-050	1/2	13.0	1.00	25.0	250	0.40	2	
4818-0050-100	1/2	13.0	1.00	25.0	250	0.40	2	
4818-0075-050	3/4	19.0	1.25	32.0	250	0.51	2	✓
4818-0075-100	3/4	19.0	1.25	32.0	250	0.51	2	
4818-0100-050	1	25.4	1.50	38.0	250	0.67	2	
4818-0100-100	1	25.4	1.50	38.0	250	0.67	2	

Refer to pages 43 through 63 for couplings and accessories.

Do not use universal couplings with steam hose.

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

HOSE TECHNICAL INFORMATION

Flexibility and Bend Radius

Reprinted from RMA Hose Handbook IP-2 Sixth Edition 1996

Flexibility and minimum bend radius are important factors in hose design and selection if it is known that the hose will be subjected to sharp curvatures in normal use. When bent at an angle too sharp, hose may kink or flatten in the cross section. The reinforcement may also be unduly stressed or distorted and the hose life shortened.

Adequate **flexibility means the hose should be able to conform to the smallest anticipated bend radius without overstress.** The **minimum bend radius** is generally specified for suction hose in this catalog. This is **the radius to which the hose can be bent in service without damage or appreciably shortening its life.** The radius is measured to the inside of the curvature.

Formula to determine minimum hose length given bend radius and degree of bend required:

$$\frac{A}{360^\circ} \times 2 \pi B = L$$

A = Angle of bend **B** = Given bend radius of hose
L = Minimum length of hose to make bend
 (Bend must be made equally along this portion of the hose)
 π = Pi 3.14

Example: To make a 60° bend at the hose's rated minimum bend radius of 6-1/4 inch,

$$\frac{60}{360} \times 2 \times 3.14 \times 6.25 = \mathbf{6.54 \text{ inch}}$$

Therefore the bend must be made over roughly 6-1/2 inches of hose length. The bend radius used must be equal to or greater than the rated minimum bend radius. Bending the hose to a smaller bend radius than the minimum may kink the hose and result in damage and early failure.

Metric Pressure Conversion

PSI	MPa	Kgf/cm2	BARS	Atmospheres
25	0.17	1.76	1.72	1.70
50	0.34	3.52	3.45	3.40
75	0.52	5.27	5.18	5.10
100	0.69	7.03	6.90	6.80
200	1.38	14.06	13.80	13.60
300	2.07	21.09	20.70	20.40
400	2.76	28.12	27.60	27.20
500	3.45	35.15	34.50	34.00
600	4.14	42.18	41.40	40.80
700	4.83	49.21	48.30	47.60
800	5.52	56.24	55.20	54.40
900	6.20	63.22	62.10	61.20
1000	6.90	70.31	69.00	68.00

PSI X .0068948 = megapascals (Mpa)
 PSI X .0690 = BARS

PSI X .070307 = kilogram-force per sp centimeter
 PSI X .0680 = Atmospheres

TABLE OF CHEMICAL, OIL AND SOLVENT RESISTANCE OF 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
IR	Isoprene, synthetic
SBR	Styrene-butadiene
CR	Chloroprene (Neoprene)
NBR	Nitrile-butadiene (Buna-N)
IIR	Isobutene-isoprene
EPDM	Ethylene-propylene-diene-terpolymer
FKM	Fluorocarbon rubber (Viton)
UHMW	Ultra High Molecular Weight Polyethylene
XLPE	Cross-linked polyethylene
CSM	Chloro-sulfonyl-polyethylene

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

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

MATERIAL	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE	MATERIAL	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Acetaldehyde	N	X	F	X	E	C	G	E	G	Bromobenzene	X	X	X	X	X	X	X	C	G
Acedic Acid, 10%	F	F	F	X	E	F	E	E	G	Bunker Oil	X	E	X	E	X	X	X	E	G
Acetic Acid, 50%	G	X	X	X	E	X	E	E	E	Butadiene	X	X	X	X	X	C	X	E	N
Acetic Anhydride	F	X	G	X	E	G	E	E	G	Butane	X	X	E	E	E	G	X	E	N
Acetone	C	C	X	X	E	F	E	E	E	Butanoic Acid	N	N	N	N	N	N	N	N	N
Acetylene	E	E	G	E	E	E	E	F	E	Butyl Alcohol	E	E	E	E	E	E	E	E	E
Acrylic Acid	N	N	N	N	N	N	N	N	G	Butylene	X	X	C	G	X	X	N	F	F
Adipic Acid	N	G	G	G	E	E	G	N	N	Butyric Acid	F	X	X	X	F	X	G	E	E
Air, +300°F	X	X	X	X	N	X	X	N	N	Calcium Bichromate	N	N	N	N	E	F	N	G	F
Aluminum	E	E	E	E	E	E	E	E	E	Calcium Chloride	E	E	E	E	E	E	E	E	E
Aluminum Chloride	E	E	E	E	E	E	E	E	E	Calcium Hydroxide	E	G	E	E	E	G	E	E	E
Aluminum Hydroxide	E	N	E	G	N	G	N	N	E	Calcium Hydrochlorite	X	X	X	X	G	F	E	C	G
Aminobenzene	N	N	N	N	N	N	N	N	G	Carbon Dioxide	E	E	C	X	E	E	C	E	E
Aminodimethylbenzene	N	N	N	N	N	N	N	N	N	Carbon Monoxide	E	G	C	E	E	E	C	E	N
Amminium Chloride	E	E	E	E	E	E	E	E	E	Carbonic Acid	E	E	X	X	E	E	G	E	E
Ammonium Hydroxide	X	X	E	X	E	G	E	E	E	Caustic Soda	N	N	N	N	N	N	N	E	E
Aniline	X	X	X	X	E	X	C	E	E	Chlorinated Solvents	X	X	X	X	X	X	X	G	G
Animal Fats	X	X	C	E	G	X	C	E	E	Chlorobenzene	X	X	X	X	X	X	X	G	G
Argon	X	X	X	C	G	X	E	N	N	Chloroform	X	X	X	X	X	X	X	G	G
Arsenic Acid	E	E	E	E	E	E	E	E	E	Chrome Plating Sltns.	X	X	X	X	X	X	G	N	N
Asphalt	X	X	X	X	X	X	X	X	X	Chromic Acid	X	X	X	X	F	G	C	G	G
ASTM Fuel A	X	X	E	E	X	G	X	N	N	Citric Acid	E	E	E	E	E	E	E	E	N
ASTM Fuel B	X	X	X	E	X	X	X	N	N	Coal Oil	X	X	N	X	X	X	X	E	E
ASTM Fuel C	X	X	X	G	X	X	X	N	N	Coal Tar	X	X	G	E	X	X	X	E	E
ASTM Oil No. 1	X	X	E	E	X	G	X	E	E	Coal Tar Napththa	X	X	N	N	X	X	N	E	E
ASTM Oil No. 2	X	X	G	E	X	X	X	E	E	Coconut Oil	X	X	G	E	G	X	C	E	N
ASTM Oil No. 3	X	X	X	E	X	X	X	E	E	Coke Oven Gas	X	X	X	X	X	X	X	E	N
ASTM Oil No. 4	X	X	X	G	X	X	X	N	N	Copper Chloride	F	E	C	C	E	E	E	E	E
Automatic Trans. Fluid	X	X	G	E	X	C	X	N	N	Copper Cyanide	E	E	E	E	E	E	E	E	N
Barium Chloride	E	E	E	E	E	E	E	E	E	Copper Hydroxide	F	G	N	N	E	G	N	E	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E	Copper Sulphate	F	E	E	E	E	E	E	E	E
Beer	E	E	G	C	E	E	G	N	N	Corn Oil	X	X	C	E	E	X	C	E	N
Benzaldehyde	X	X	X	X	E	X	E	E	E	Cottonseed Oil	X	X	C	C	C	X	C	C	G
Benzene	X	X	X	X	X	X	X	E	G	Crude Oil	X	X	X	G	X	X	X	E	E
Benzine	X	X	G	E	X	X	X	E	E	Cumene	X	X	X	X	X	X	X	E	E
Benzoic Acid	X	X	X	X	X	X	X	E	E	Cupric Hydroxide	N	N	N	N	N	N	N	N	N
Benzyl Alcohol	X	X	C	X	X	F	X	E	E	Cupric Sulfate	F	E	N	N	E	E	N	E	E
Bleach	X	X	C	X	X	F	X	E	E	Cyclohexane	X	X	X	G	X	X	X	G	E
Borax Solution	G	G	E	C	E	E	E	E	N	Cyclohexanol	X	X	G	C	X	X	X	E	E
Boric Acid	E	E	E	E	N	E	E	E	N	Cyclopentane	X	X	N	N	X	X	N	E	E
Brake Fluid (HD-557)	N	E	G	C	G	G	E	N	N	Cyclopentanol	X	X	N	N	X	X	N	E	E

TABLE OF CHEMICAL, OIL AND SOLVENT RESISTANCE OF RUBBER HOSE

MATERIAL	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE	MATERIAL	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
DDT In Kerosene	X	X	F	E	X	X	X	E	E	Hexene	X	X	G	G	X	G	X	E	G
Detergent, Water Sltm.	G	G	G	E	G	G	E	N	N	Hydraulic & Motor Oil	X	X	C	C	X	G	X	E	N
Developing Fluid (pic)	E	G	E	E	E	E	G	N	N	Hydrobromic Acid	E	X	X	X	E	E	E	C	G
DHSO Butylene	X	X	X	G	X	X	X	E	N	Hydrochloric Acid	E	X	X	X	F	X	X	E	E
Diamonium Phosphate	N	N	N	N	N	N	N	N	N	Hydrocyanic Acid	X	N	E	E	E	C	C	N	N
Diamyl Naphthalene	X	X	N	N	X	X	N	E	N	Hydrofluoric Acid	X	X	X	X	E	E	X	C	E
Dibenzyl Ether	X	X	X	X	X	X	X	E	E	Hydrogen Chloride	N	N	N	N	N	N	N	N	N
Dibromobenzene	X	X	N	N	X	X	N	E	G	Anhydrous									
Dibromomethane	N	N	N	N	N	N	N	N	N	Hydrogen Dioxide-10%	X	X	N	N	F	N	N	N	G
Dibutyl Ether	X	X	N	X	G	X	C	E	E	Hydrogen Gas	G	G	E	E	E	G	E	C	E
Dibutylamine	X	X	X	X	X	X	X	N	E	Hydrogen Peroxide	X	X	X	X	X	X	X	X	F
Dichlorobenzene	X	X	X	X	X	X	X	G	E	Over 10%									
Dichlorodifluorometh	X	X	N	N	X	X	N	N	E	Hydrogen Peroxide 10%	X	X	F	X	F	F	F	C	G
Dichloroethane	X	X	N	N	X	X	N	E	E	Iodine	C	C	X	C	C	E	C	C	E
Dichloroethyl Ether	X	X	N	N	X	X	N	E	E	Jet Fuels	X	X	G	E	X	X	X	E	E
Dichlorohexane	X	X	N	N	X	X	N	E	E	Kerosene	X	X	C	E	X	X	X	E	E
Dichloromethane	X	X	N	N	X	X	N	E	E	Ketones	X	X	X	C	E	X	E	N	N
Dichloropropane	X	X	N	N	X	X	N	E	E	Lacquer Solvents	X	X	X	X	X	X	X	G	N
Dichlorotoluene	N	N	N	N	N	N	N	N	N	Lactic Acid - Cold	G	G	E	X	E	G	X	C	N
Diesel Oil	X	X	C	E	X	C	X	C	E	Lactic Acid - Hot	X	X	X	X	N	C	X	N	N
Diethanol Amine	G	G	N	N	E	F	N	N	E	Lavender Oil	X	X	X	G	X	X	X	G	N
Diethyl Ether	X	X	C	X	X	X	X	E	N	Lead Acetate	E	X	G	G	G	X	E	E	E
Diethyl Ketone	F	X	N	N	G	X	N	E	E	Lead Nitrate	E	E	E	E	E	X	E	N	N
Diethylphthalate	X	X	X	N	E	X	G	E	E	Lead Sulfate	N	N	E	N	N	E	E	E	E
Diethyl Sulfate	N	N	N	N	N	N	N	N	E	Lime	N	N	C	N	N	N	N	N	N
Diethylamine	X	X	G	E	X	X	X	E	E	Linoleic Acid	X	X	X	X	X	X	X	N	N
Dimethyl Ketone	N	N	N	N	N	N	N	N	E	Linseed Oil	X	X	C	C	C	C	X	C	E
Dimethyl Sulfate	N	N	N	N	N	N	N	N	E	Liquid Petroleum Gas	X	X	G	X	X	X	X	E	X
Dimethylamine	N	N	N	N	N	N	N	N	E	Lubricating Oils	X	X	C	X	X	F	X	E	E
Dimethylbenzene	N	N	N	N	N	N	N	N	E	Lye Solution	G	G	G	E	E	E	E	N	G
Disodium Phosphate	E	E	N	N	E	E	N	E	E	Mek	X	X	X	X	G	X	N	E	G
Divinyl Benzene	X	X	N	N	X	X	N	E	E	Magnesium Chloride	E	E	E	E	E	E	E	E	E
Dry Cleaning Fluids	N	X	X	C	X	X	X	N	N	Magnesium Hydroxide	E	G	G	G	E	G	E	E	E
Ethanoic Acid	N	N	N	N	N	N	N	N	N	Magnesium Sulfate & Sulphite	E	E	E	E	E	E	E	E	E
Ethanol (Grain Alcohol)	E	E	E	C	E	E	E	E	E	Maleic Acid	X	X	X	X	X	X	E	G	E
Ethanolamine	G	G	G	G	E	C	E	C	E	Malic Acid	C	C	C	C	X	G	X	C	G
Ethers	X	X	X	X	X	X	C	N	N	Mercury	E	E	E	E	E	E	X	E	N
Ethyl Acetate	X	X	X	X	G	X	C	E	E	Mercury Vapors	E	E	E	E	E	E	E	N	N
Ethyl Alcohol	E	E	E	C	E	N	E	E	E	Methanoic Acid	N	N	N	N	N	N	E	N	N
Ethyl Aldehyde	F	N	N	N	E	E	N	E	E	Methanol	E	E	E	E	E	E	N	N	E
Ethyl Benzene	X	X	X	X	X	X	X	E	E	(Methyl Alcohol)									
Ethyl Chloride	X	X	X	X	F	X	X	G	G	Methyl Acetate	X	X	X	X	X	X	E	E	E
Ethyl Ether	X	X	X	C	C	X	X	E	E	Methyl Chloride	X	X	X	X	X	X	E	G	E
Ethyl Phthalate	N	N	N	N	N	N	N	N	E	Methylcyanide	N	N	N	N	N	N	X	N	N
Ethyl Silicate	F	F	E	E	E	G	E	E	E	Methyl Methacrylate	X	X	X	X	X	X	N	G	G
Ethylamine	F	F	N	N	G	F	N	N	E	Mineral Odil	X	X	C	E	X	F	C	E	N
Ethylene Diamine	G	G	E	E	E	F	E	E	E	Mineral Spirits	X	X	F	E	X	X	X	E	E
Ethylene Dibromide	X	X	X	X	X	X	C	G	F	Molten Sulfur	X	X	N	N	G	F	X	X	N
Ethylene Dichloride	X	X	X	X	X	X	X	G	G	Monochlorobenzene	X	X	X	X	X	X	N	G	G
Fatty Acids	X	X	C	C	X	X	X	E	G	Morpholine	N	N	N	X	N	N	X	N	N
Ferric Chloride	E	E	G	E	E	E	E	E	E	Motor Oil - 40W	N	N	N	N	N	N	X	N	N
Ferric Nitrate	E	E	E	E	E	E	E	E	N	Muriatic Acid	E	X	X	X	F	X	F	E	E
Ferric Sulfate	E	E	E	E	E	E	E	E	E	N-Octane	X	X	G	G	X	X	X	G	N
Formaldehyde	G	C	C	X	E	C	G	E	E	Naphtha	X	X	X	C	X	N	X	E	E
Formic Acid	G	G	C	X	E	F	E	C	E	Naphthalene	X	X	X	X	F	X	X	E	E
Freon So 2	N	N	E	N	N	N	E	N	N	Naphthenic Acids	X	X	X	G	N	X	X	N	N
Freon 113	C	G	E	E	N	E	C	N	N	Natural Gas	X	X	E	E	X	F	X	C	N
Freon 12	X	X	G	G	X	X	X	C	E	Neon Gas	E	E	E	E	E	E	X	N	N
Freon 22	X	X	X	X	F	X	N	C	E	Nickel Chloride	E	E	E	E	E	E	E	E	E
Fuel A (ASTM)	X	X	G	E	X	X	X	G	G	Nickel Nitrate	E	E	E	N	E	E	E	E	E
Fuel B (ASTM)	X	X	F	E	X	X	X	G	G	Nickel Sulfate	E	E	E	E	E	E	E	E	E
Fuel Oil	X	X	G	E	X	E	X	C	E	Nitric Acid, Conc (16N)	X	X	X	X	X	G	G	E	N
Gas, Coal	N	N	N	N	N	N	N	N	N	Nitric Acid, Red Fuming	X	X	X	X	X	X	X	X	X
Gas, High Octane	N	N	X	G	N	N	X	N	N	Nitric Acid - 10%	X	X	X	X	X	X	X	C	E
Glucose	E	E	G	G	E	E	G	E	G	Nitric Acid - 13N	N	N	N	N	N	N	C	N	N
Glycerine	E	E	E	E	E	E	E	C	E	Nitric Acid - 13N + 5%	N	N	N	N	N	N	N	N	N
Grease	X	X	C	X	X	X	X	G	E	Nitric Acid - 20%	X	X	X	X	G	X	N	E	E
Halium	E	E	E	E	E	E	E	N	N	Nitric Acid - 30%	X	X	X	X	F	X	G	E	G
Hexane	X	X	C	C	X	X	X	G	G	Nitric Acid - 30% - 70%	X	X	X	X	F	F	C	G	F
Hexanol	E	E	N	N	E	E	N	E	E										

TABLE OF CHEMICAL, OIL AND SOLVENT RESISTANCE OF RUBBER HOSE

MATERIAL	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE	MATERIAL	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Nitrobenzene	X	X	X	X	F	X	F	E	E	Sulfur Dioxide	X	X	X	X	X	X	X	G	G
Nitroethane	G	G	C	X	G	G	X	E	N	Sulfuric Acid 60% (200F)	N	N	N	N	N	N	N	N	G
Nitrogen	E	E	E	E	E	E	G	E	E	Sulfuric Acid - Conc.	X	X	X	X	X	E	X	E	X
Nitromethane	G	C	C	X	G	C	E	E	G	Sulfuric Acid - Fuming	X	X	X	X	X	X	X	X	X
Nitrous Oxide Gas	N	N	N	N	N	N	G	N	E	Sulfuric Acid 25%	G	X	X	X	E	X	E	E	E
Oil - Petroleum	X	X	G	E	X	F	N	E	G	Sulfuric Acid 25% - 50%	G	X	X	X	E	X	E	E	G
Oleic Acid	X	X	X	C	G	X	X	E	E	Sulfuric Acid 50% - 96%	X	X	X	X	X	G	X	E	G
Oleum (Fuming Sulf Acid)	X	N	X	C	X	X	X	X	X	Tar	X	X	G	X	X	X	X	X	X
Olive Oil	X	X	E	E	E	F	X	C	N	Tar Bituminous	X	X	C	G	X	X	X	N	N
Ortho-Dichlorobenzene	X	X	X	X	X	X	E	G	E	Tartaric Acid	C	X	G	E	E	E	G	C	E
Orthoxylene	X	X	N	N	X	X	X	E	G	Tetrachlorobenzene	X	X	N	N	X	X	N	G	G
Oxalic Acid	X	X	X	X	E	X	N	C	E	Tetrachloroethane	X	X	N	N	X	X	N	E	G
Ozone	X	X	C	X	G	G	E	C	E	Tetrachloroethylene	X	X	X	X	X	X	X	E	E
Paint Thinner	X	X	X	X	X	X	E	N	N	Tetrachloromethane	X	X	N	N	X	X	N	E	E
Palmitic Acid	X	X	C	E	E	C	X	C	E	Tin Chloride	E	E	N	N	E	E	N	E	E
Papermakers Alum	E	X	E	E	E	E	C	E	E	Titanium Tetrachloride	X	X	X	G	X	X	X	N	G
Para-Dichlorobenzene	X	E	X	X	X	X	E	G	N	Toluene	X	X	X	X	E	X	X	G	E
Paraffin Wax	X	X	G	E	X	X	X	X	E	Trichloroacetic Acid	C	G	X	G	G	X	G	E	N
Paraldehyde	F	X	N	N	E	N	X	E	E	Turpentine	X	X	X	X	X	X	X	G	E
Paraxylene	X	N	N	N	X	X	N	E	E	Urea	N	N	E	N	E	N	N	E	E
Pentachloroethane	X	X	N	N	X	X	N	E	E	Urethane Formulations	N	N	N	E	N	N	N	N	N
Pentane	X	X	G	E	X	F	N	G	G	Uric Acid	N	N	N	N	N	N	N	N	N
Perchloric Acid-2N	X	X	C	X	G	G	C	E	N	Varnish	X	X	X	G	N	X	X	N	N
Phenol	X	X	X	X	E	X	X	E	E	Vegetable Oils	X	X	C	E	E	X	C	E	N
Phosphoric Acid 10%	E	X	X	X	E	E	X	E	E	Vinegar	E	F	F	X	E	F	E	X	N
Phosphoric Acid 10%-85%	G	E	X	X	G	E	X	E	E	Vinegar Acid	N	N	N	N	N	N	N	N	N
Pine Oil	X	G	X	X	X	X	X	E	E	Vinyl Acetate	X	X	N	N	G	X	N	E	E
Potassium Bisulfate	E	X	N	N	E	E	X	E	E	Vinyl Benzene	X	X	N	N	X	X	N	G	E
Potassium Carbonate	E	E	E	N	E	E	N	E	E	Vinyl Chloride	X	X	X	X	X	X	E	E	E
Potassium Chloride	E	E	E	E	E	E	E	E	E	Vinyl Cyanide	N	N	N	N	N	N	N	N	N
Potassium Chromate	N	E	N	N	E	F	E	G	G	Vinyl Styrene	N	N	N	N	N	N	N	N	N
Potassium Cyanide	E	N	E	E	E	E	N	E	N	Vinyl Toluene	X	X	N	N	X	X	N	E	E
Potassium Dichromate	G	E	E	E	E	F	E	G	G	Water	E	F	G	E	E	E	E	E	E
Potassium Hydroxide	E	G	C	X	E	G	E	E	G	Water Boiling	N	N	E	N	N	N	N	N	N
Potassium Permanganate 5%	E	E	E	C	E	E	E	E	E	Whiskey	E	E	E	E	E	E	E	X	N
Potassium Sulphate	E	N	E	E	E	E	N	E	E	Wines	E	E	E	E	E	E	E	X	N
Propane	X	E	C	E	X	G	E	E	N	Zinc Chloride	E	E	E	E	E	E	E	E	E
Propylene	X	X	X	X	X	X	X	N	N	Zinc Chromate	N	N	N	N	E	E	N	G	E
Refrigerant 11	N	X	X	G	N	N	X	N	N	Zinc Sulfate	E	E	E	E	E	E	E	E	E
Refrigerant 12	N	N	G	E	N	N	X	N	N										
Refrigerant 22	N	N	G	X	N	N	X	N	N										
Sal Ammoniac	E	N	E	E	E	E	X	N	N										
Sea Water	E	E	G	E	E	E	E	E	E										
Sewage	F	E	E	E	E	E	E	E	E										
Silicone Oil	E	F	E	E	E	E	F	N	N										
Silver Nitrate	E	E	E	G	E	E	E	E	N										
Soap Solutions	G	E	G	E	E	E	E	E	E										
Soda Ash	E	E	E	E	E	E	E	E	E										
Soda Lime	E	E	N	N	E	G	E	E	E										
Sodium Acetate	X	G	G	G	G	X	N	E	E										
Sodium Bicarbonate	E	X	E	E	E	E	E	N	N										
Sodium Bisulfate	F	E	E	E	F	E	E	E	E										
Sodium Borate	E	F	E	E	E	E	E	E	N										
Sodium Carbonate	E	E	E	E	E	E	E	E	E										
Sodium Chloride	E	E	E	E	E	E	E	E	E										
Sodium Cyanide	E	E	E	E	E	E	E	E	N										
Sodium Dichromate	C	E	C	E	E	F	E	G	E										
Sodium Hydroxide (Caustic Soda)	E	C	G	X	E	G	E	E	E										
Sodium Hypochlorite	X	G	X	G	G	F	E	G	G										
Sodium Nitrate	E	X	E	G	E	E	G	E	E										
Sodium Peroxide	G	E	G	G	E	G	E	E	N										
Sodium Phosphate	E	G	G	E	E	E	E	E	N										
Sodium Sulfate	E	E	E	E	E	E	E	E	E										
Soybean Oil	X	E	G	G	E	G	C	E	G										
Steam - Below 350 Deg F	X	X	X	X	G	X	E	X	N										
Stearic Acid	X	X	G	G	G	X	G	E	E										
Styrene	X	X	X	X	X	X	X	G	G										

The reader is cautioned that the above table is only a guide and should be used as such, as 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

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

MATERIAL CONVEYED	HOSE CONSTRUCTION WITH TEMPERATURE						MATERIAL CONVEYED	HOSE CONSTRUCTION WITH TEMPERATURE					
	PVC (°F)		TPR (°F)		TPE (°F)			PVC (°F)		TPR (°F)		TPE (°F)	
	68	104	68	104	68	104		68	104	68	104	68	104
Acetate solvents, crude	4	4	3	4	3	4	Boric Acid	1	1	1	1		
Acetate solvents, pure	4	4	3	4	3	4	Brine	1	1	1	1	3	4
Acetic Acid 0 - 1-%	1	2	1	2	3	4	Bromic Acid	1	2	1	2	3	4
Acetic Acid 20 - 30%	1	2	1	2	3	4	Bromine - Liquid	4	4	3	4	4	4
Acetic Acid 80%	2	2	1	2	4	4	Bromine - Water	4	4	3	4	4	4
Acetic Acid Vapors	1	2	1	2	3	3	Butadiene	3	4				
Acetic Acid Glacial	2	3	2	3	4	4	Butane	1	1	1	1	1	1
Acetone	2	3	1	1	3	4	Butter	2	3				
Alum	1	1	1	1	1	1	Butyl Alcohol	1	2	1	2	1	2
Aluminum Acetate	1	2	1	1			Butyl Cellosolve	4	4	3	4		
Aluminum Chloride	1	1	1	1	1	1	Butyl Phenol	3	4	2	3		
Aluminum Flouride	1	1	1	1	1	1	Butylene	1	2	1	1	1	1
Aluminum Hydroxide	1	1	1	1	1	1	Butyric Acid 20%	3	4	2	3	3	4
Aluminum Nitrate	1	2	1	1	2	2							
Aluminum Sulfate	1	1	1	1	1	1	Calcium Bisulfate	1	1	1	1	1	1
Ammonia - aqueous	1		1		3		Calcium Carbonate	1	1	1	1	1	1
Ammonia - dry gas	2		2		3		Calcium Chlorate	1	1	1	1	2	3
Ammonia - liquid	4		3		3		Calcium Chloride	1	1	1	1	3	4
Ammonium Nitrate	1	1	1	1	2	2	Calcium Hydroxide	1	1	1	1	2	3
Ammonium Sulfate	1	1	1	1	2	2	Calcium Hypochlorite	1	1	1	1	4	4
Ammonium Sulfide	1	1	1	1	1	1	Calcium Nitrate	1	1	1	1	1	1
Ammonium Thiocyanate	1	1	1	1	2	2	Calcium Sulfate	1	1	1	1	1	1
Amyl Alcohol	1	2	1	2	4	4	Cane Sugar Liquors	1	1				
Amyl Chloride	4	4	4	4	4	4	Carbon Monoxide	1	1	1	1	1	1
Aniline	2	3	1	2			Carbon Tetrachloride	4	4	2	3	3	4
Animal Oils	1	1	1	1			Carbonic Acid	1	1	1	1	4	4
Apple - sauce/juice	1	1					Carrots	1	1				
Aqua Regia	3	4	2	3			Castor Oil	1	1	1	1	1	1
Aromatic Hydrocarbons	3	3	1	1			Catsup	1	2				
Arsenic Acid 80%	1	2	1	1	4	4	Caustic Potash	1	1	1	1	3	4
ASTM Fuel #1 Oil	1	1	1	1	2	2	Caustic Soda	1	1	1	1	3	4
ASTM Fuel #3 Oil	2	3	1	1	2	2	Cellosolve	3	4	2	3	2	3
ASTM Fuel A	2	2	1	1	2	2	Cheese	1	2				
ASTM Fuel B	4	4	1	1	2	3							
ASTM Fuel C	4	4	1	2	2	3	Chlorine Gas (dry)	1	1	1	1	4	4
Baby Food	1	1					Chlorine Gas (moist)	3	4	2	3	4	4
Barium Carbonate	1	1	1	1	1	1	Chlorine Water 2%	3	4	2	3	3	4
Barium Chloride	1	1	1	1	1	1	Chocolate	2	3				
Barium Hydroxide	1	1	1	1	2	3	Chrome Alum	1	1	1	1	1	1
Barium Sulfate	1	1	1	1	1	1	Chromic Acid 25%	2	3	1	2	4	4
Barium Sulfide	1	1	1	1	1	1	Chromic Acid 50%	2	3	1	2	4	4
Barley	1	4											
Beer	1	1					Citric Acid	1	1				
Beet Sugar - liquor	1	1					Coal Tar			3	3		
Benzene	3	3	1	2	3	3	Coconut Oil	3	4	1	1	1	1
Benzene Sufonic Acid10%	1	1	1	1	4	4	Cola Beverage	1	1				
Benzoic Acid	2	3	1	2	4	4	Copper Chloride	1	2	1	1	1	1
Benzol	4	4	2	3	3	4	Copper Cyanide	1	1				
Black Liquor	1	1	1	1			Copper Nitrate	1	2	1	1	1	1
Bleach 12.5% actice CL	2	3	1	2	3	4	Copper Sulphate	1	2	1	1	1	1
Borax	1	2	1	1	1	1	Corn Oils	1	2				
Bordeaux Mixture	1	1	1	1			Cottonseed Oil	2	3				

TABLE OF CHEMICAL RESISTANCE

PVC TPR TPE

1-EXCELLENT

2-GOOD

3-LIMITED

4-UNSATISFACTORY

Table of Chemical Resistance PVC TPR TPE

MATERIAL CONVEYED	HOSE CONSTRUCTION WITH TEMPERATURE						MATERIAL CONVEYED	HOSE CONSTRUCTION WITH TEMPERATURE					
	PVC (°F)		TPR (°F)		TPE (°F)			PVC (°F)		TPR (°F)		TPE (°F)	
	68	104	68	104	68	104		68	104	68	104	68	104
Creosote	4	4	3	4			Lard	2	3				
Creosole	4	4	3	4	3	4	Lard Oil	1	2				
Crude Oil Sour	1	1	1	1	1	1	Lauric Acid	1	1	1	1	3	4
Crude Oil Sweet	1	1	1	1	1	1	Lead Acetate	1	1	1	1	1	1
Demineralized Water	1	1	1	1	3	4	Lemon Juice	1	2				
Detergents, synthetic	1	2	1	1			Lime Sulfer	1	1				
Developers, photographic	1	1	1	1			Linseed Oil	1	1	1	1	1	1
Dextrose	1	2	1	1	1	1	Isopropylalcohol	1	2	1	1	3	4
Diesel Oils	3	4	1	2			Lubricating Oils	1	1	1	1	1	1
Disodium Phosphate	1	1	1	1	1	1	Magnesium Carbonate	1	1	1	1	1	1
Distilled Water	1	1	1	1	3	4	Magnesium Hydroxide	1	1	1	1	3	4
Eggs	1	1					Mayonnaise	1	1				
Emulsions, photographic	1	1					Mercuric Chloride	2	2	1	1	2	3
Ethers	4	4	2	3	3	4	Mercury	2	2				
Ethyl Alcohol	2	3					Methyl Acetate	4	4				
Ethyl Alcohol 50 - 98%	3	4					Methyl Alcohol	3	4	2	3	3	4
Ethyl Chloride	4	4	4	4	4	4	Methyl Ethyl Ketone	4	4	2	3	3	4
EthyleneBromide	1	4	1	3	4	4	Milk	1	1				
Ethylene Glycol	1	1	1	1	2	3	Mineral Oils	1	2	1	1	1	1
Ferric Chloride	1	1	1	1	2	3	Molasses	1	1	1	1	1	1
Ferric Nitrate	1	1	1	1	1	1	Naptha	4	4	1	1		
Ferric Sulphate	1	1	1	1	1	1	Napthalene	3	4	1	1		
Fish Solubles	1	1	1	1	1	2	Nickel Acetate	1	1	1	1	1	1
Fixing Solution, photo.	1	2					Nicotine Acid	1	2	1	1	3	4
Flour	1	4					Nitric Acid 10%	1	2	1	1	4	4
Flouroboric Acid	1	1	1	1	1	1	Nitric Acid 40%	2	3	1	1	4	4
Formic Acid 3%	1	2					Nitric Acid 60%	3	4	2	3	4	4
Formic Acid 10%	1	2					Nitric Acid 68%	3	4	2	3	4	4
Formic Acid 25%	1	2					Nitric Acid 70%	4	4	3	3	4	4
Formic Acid 50%	3	4					Nitrous Oxide	1	1	1	1	1	1
Freon - 12	1	2	1	1	1	1	Oats	1	4				
Fructose	1	1	1	1	1	1	Oils, Petroleum	1	2	1	1	1	1
Fruit Pulp and Juices	1	1					Oleic Acid	2	3	1	1	4	4
Fuel Oil	2	3	1	1	1	2	Oleum	4	4	4	4	4	4
Gas - cook oven	2	2	1	2	2	2	Orange Juice	1	1				
Gas - natural (dry)	1	1	1	1	1	1	Oxygen	1	1				
Gas - natural (wet)	1	1	1	1	1	1	Ozone	3	4				
Gasoline	4	4	2	3			Paraffin	1	2				
Gasoline - refined	3	4	1	1	2	3	Peanut Butter	1	2				
Gelatin	1	1	1	1	1	1	Pentane	3	4				
Gin	1	2					Petrol	4	4				
Glucose	1	1	1	1	1	1	Petroleum Ether	3	3	1	1		
Glycerine	1	1	1	1	1	1	Phosgene (gas)	1	2				
Glycol	1	1	1	1	2	2	Phosgene (liquid)	4	4				
Grape Juice	1	1					Phosphoric Acid 89%	1	1			4	4
Grapefruit Juice	1	1					Phosphorous (yellow)	2	3				
Grease	1	2					Picric Acid	4	4	4	4	4	4
Green Liquor (paper)	1	1					Pitch	2	3	1	1		
Heptane	3	4	1	2	1		Plating Solutions	1	2				
Hexane	3	4					Potassium Bicarbonate	1	1	1	1	1	1
Honey	1	1					Potassium Bromate 10%	1	1	1	1	1	1
Hydrochloric Acid 10%	1	1	1	1	4	4	Potassium Bromide	1	1	1	1	1	1
Hydrochloric Acid 48%	3	4					Potassium Chloride	1	1	1	1	1	2
Hydroflouric Acid 4%	2	3					Potassium Cyanide	1	1	1	1	1	1
Hydroflouric Acid 10%	3	3					Potassium Flouride	1	1	1	1	1	2
Hydroflouric Acid 48%	3	4					Potassium Nitrate	1	1	1	1	1	1
Hydroflouric Acid 60%	3	4					Potassium Perborate	1	1	1	1	1	1
Hydrogen	1	2	1	1	1	1	Potassium Sulfide	1	1	1	1	1	1
Hydrogen Peroxide 12%	1	2	1	1	2	3	Propane	1	1	1	1	1	1
Hydrogen Peroxide 50%	1	3	1	2	3	4	Propyl Alcohol	1	2	1	1	2	3
Hydrogen Peroxide 90%	4	4	3	4	4	4	Richfield A weed killer	1	2				
JP 3,4,5	4	4	2	3	3	3	Salt Water	1	1	1	1	2	3
Kerosene	4	4	1	1	1	1	Shortening	2	3				
Kraft Liquor (paper)	1	1					Silver Nitrate	1	1	1	1	1	1
Lacquer Thinner	3	4	2	2	3	3	Silver Plating Solution	1	2	1	1	1	1
Lactic Acid 28%	1	1					Soap	1	1	1	1	2	3

TABLE OF CHEMICAL RESISTANCE PVC TPR TPE

1-EXCELLENT

2-GOOD

3-LIMITED

4-UNSATISFACTORY

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

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

The reader is cautioned that the above table is only a guide and should 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.

TECHNICAL INFORMATION

Decimal & Millimeter Equivalents of Fractions and Vacuum Conversion Table

Decimal and Millimeter Equivalents of Fractions											
1 inch = 25.40 millimeters						1 millimeter = 0.03937 inches					
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	13.1
2	1			0.031	0.79	34	17			0.531	13.5
3				0.047	1.19	35				0.547	13.9
4	2			0.063	1.59	36	18	9		0.563	14.3
5				0.078	1.98	37				0.578	14.7
6	3			0.094	2.38	38	19			0.594	15.1
7				0.109	2.78	39				0.609	15.5
8	4	2	1	0.125	3.18	40	20	10	5	0.625	15.9
9				0.141	3.57	41				0.641	16.3
10	5			0.156	4.00	42	21			0.656	16.7
11				0.172	4.40	43				0.672	17.1
12	6	3		0.188	4.80	44	22	11		0.688	17.5
13				0.203	5.20	45				0.703	17.9
14	7			0.219	5.60	46	23			0.719	18.3
15				0.234	6.00	47				0.734	18.7
16	8	4	2	0.250	6.40	48	24	12	6	0.750	19.1
17				0.266	6.70	49				0.766	19.5
18	9			0.281	7.10	50	25			0.781	19.8
19				0.297	7.50	51				0.797	20.3
20	10	5		0.313	7.90	52	26	13		0.813	20.6
21				0.328	8.30	53				0.828	21.0
22	11			0.344	8.70	54	27			0.844	21.4
23				0.359	9.10	55				0.859	21.8
24	12	6	3	0.375	9.50	56	28	14	7	0.875	22.2
25				0.391	9.90	57				0.891	22.6
26	13			0.406	10.3	58	29			0.906	23.0
27				0.422	10.7	59				0.922	23.4
28	14	7		0.438	11.1	60	30	15		0.938	23.8
29				0.453	11.5	61				0.953	24.2
30	15			0.469	11.9	62	31			0.969	24.6
31				0.484	12.3	63				0.984	25.0
32	16	8	4	0.500	12.7	64	32	16	8	1.000	25.4

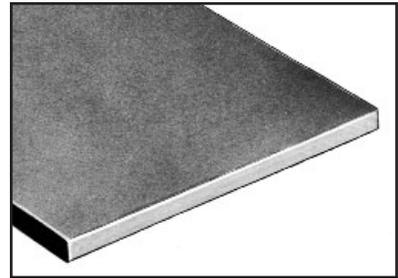
Vacuum Conversion Table for Water (Suction)						
ATM	PSI	meter	feet	mm	in Hg	%
0.1	1.40	1	3 ft. 3-3/8 in.	73.60	2.90	10
0.2	2.80	2	6 ft. 6-3/4 in.	147.10	5.80	20
0.3	4.20	3	9 ft. 10-1/8 in.	220.70	8.70	30
0.4	5.70	4	13 ft. 1-1/2 in.	294.20	11.60	40
0.5	7.10	5	16 ft. 4-13/16 in.	367.80	14.50	50
0.6	8.50	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

SKIRTBOARD RUBBER

6341

SKIRTBOARD RUBBER

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



“✓” denotes Stock Item

		WIDTH					
Gauge	4"	6"	8"	10"	12"	48"	
1/4	✓	✓	✓		✓	✓	
3/8"	✓	✓	✓	✓	✓	✓	
1/2"	✓	✓	✓	✓	✓	✓	
3/4"	✓	✓	✓	✓	✓	✓	
1"	✓	✓	✓		✓	✓	

		WEIGHT (Lbs./Roll)					
Gauge	4"	6"	8"	10"	12"	48"	
1/4	25	36	48		85	388	
3/8"	46	73	82	115	136	580	
1/2"	60	97	109	150	158	760	
3/4"	124	186	248	272	372	1100	
1"	146	219	292		438	1524	

CAM AND GROOVE COUPLINGS

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

PART A MALE ADAPTER x FEMALE THREAD

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



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

PART B FEMALE COUPLER x MALE THREAD

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



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

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

Metal coupling pressures are based on ambient temperature (70°F) with standard NBR gasket.

Plastic coupling pressures are based on ambient temperature (70°F) with standard NBR gasket.

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

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

CAM AND GROOVE COUPLINGS

PART C

FEMALE COUPLER x HOSE SHANK

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



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

PART D

FEMALE COUPLER x FEMALE THREAD

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



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

PART E

MALE ADAPTER x HOSE SHANK

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



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

CAM AND GROOVE COUPLINGS

PART F MALE ADAPTER x MALE THREAD

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



Size	PART NUMBER			Black SCH.80 Polypropylene
	Aluminum	Stainless Steel	Brass	
1/2		F050S		F050P
3/4	F075A	F075S	F075B	F075P
1	F100A	F100S	F100B	F100P
1-1/4	F125A	F125S	F125B	F125P
1-1/2	F150A	F150S	F150B	F150P
2	F200A	F200S	F200B	F200P
2-1/2	F250A	F250S	F250B	F250P
3	F300A	F300S	F300B	F300P
4	F400A	F400S	F400B	F400P
5	F500A			
6	F600A	F600S	F600B	
8	F800A			

PART DC DUST CAP

Fits male adapters.



Size	PART NUMBER			Black SCH.80 Polypropylene
	Aluminum	Stainless Steel	Brass	
1/2		DC050S		DC050P
3/4	DC075A	DC075S	DC075B	DC075P
1	DC100A	DC100S	DC100B	DC100P
1-1/4	DC125A	DC125S	DC125B	DC125P
1-1/2	DC150A	DC150S	DC150B	DC150P
2	DC200A	DC200S	DC200B	DC200P
2-1/2	DC250A	DC250S	DC250B	DC250P
3	DC300A	DC300S	DC300B	DC300P
4	DC400A	DC400S	DC400B	DC400P
5	DC500A			
6	DC600A	DC600S	DC600B	
8	DC800A			

PART DP DUST PLUG

Fits female coupler.



Size	PART NUMBER			Black SCH.80 Polypropylene
	Aluminum	Stainless Steel	Brass	
1/2		DP050S		DP050P
3/4	DP075A	DP075S	DP075B	DP075P
1	DP100A	DP100S	DP100B	DP100P
1-1/4	DP125A	DP125S	DP125B	DP125P
1-1/2	DP150A	DP150S	DP150B	DP150P
2	DP200A	DP200S	DP200B	DP200P
2-1/2	DP250A	DP250S	DP250B	DP250P
3	DP300A	DP300S	DP300B	DP300P
4	DP400A	DP400S	DP400B	DP400P
5	DP500A			
6	DP600A	DP600S	DP600B	
8	DP800A			

CAM AND GROOVE COUPLINGS

PART DCL

DUST CAP WITH LOCK OUT HANDLES

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



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

REPLACEMENT GASKETS FOR CAM AND GROOVE COUPLINGS

	BLACK NBR	YELLOW STRIPE BLACK EPDM	GASKET DIMENSIONS		
			O.D."	I.D."	THICKNESS"
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 AND 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	5	6	8		
BRASS	HRP40B	HRP50B	HRP60B	HRP80B		
STAINLESS STEEL	HRP40S		HRP60S			
LOCK OUT STAINLESS	LHP400S		LHP600S			

ACCESSORIES FOR CAM AND 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

CAM AND GROOVE COUPLINGS

REDUCING CAM AND GROOVE COUPLINGS AND ADAPTERS

A



Adapter x Female NPT

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

D



Coupler x Female NPT

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

B



Coupler x Male NPT

Size	Aluminum	Stainless
1-1/2 x 1	B1510A	
2 x 1-1/2	B2015A	
3 x 2	B3020A	
3 x 4		
4 x 3	B4030A	
6 x 4	B6040A	

E



Adapter x Hose Shank

Size	Aluminum	Stainless
2 x 1-1/2	E2015A	
2 x 2-1/2	E2025A	
2 x 3	E2030A	
3 x 2	E3020A	
3 x 2-1/2	E3025A	
3 x 4		
4 x 2	E4020A	
4 x 3	E4030A	

C



Coupler x Hose Shank

Size	Aluminum	Stainless
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
1-1/2 x 2	F1520A	
2 x 1-1/2	F2015A	
2 x 3	F2030A	
3 x 2	F3020A	
3 x 4		
4 x 3	F4030A	
4 x 6		

AA



Adapter x Adapter

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

DA



Coupler x Adapter

Size	Aluminum	Stainless
2 x 1-1/2	DA2015A	
2 x 3	DA2030A	DA2030S
3 x 1-1/2		
3 x 2	DA3020A	DA3020S
3 x 4	DA3040A	
4 x 2	DA4020A	
4 x 3	DA4030A	DA4030S
4 x 6	DA4060A	
6 x 4	DA6040A	DA6040S
6 x 5	DA6050A	

DD



Coupler x Coupler

Size	Aluminum	Stainless
1-1/2 x 1-1/2	DD1515A	DD1515S
2 x 2	DD2020A	DD2020S
2 x 3	DD2030A	
3 x 3	DD3030A	DD3030S
3 x 4	DD3040A	
4 x 4	DD4040A	DD4040S

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

PIN LUG COUPLINGS

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

SET (M x F) PIN LUG SHANK COUPLINGS



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

Iron Pin Lug Couplings available by special order.

FEMALE PIN LUG SHANK COUPLINGS



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

REPLACEMENT WASHERS FOR PIN LUG SHANK COUPLINGS

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

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

UNIVERSAL AIR COUPLINGS

UNIVERSAL AIR COUPLINGS - 2 LUG

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

Application of Universal Crowfoot Air Hose Couplings

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

The rated, maximum working pressure of Universal Crowfoot Air Hose Couplings is 110 psi (at ambient temperature [70°F]) for all parts: HE, ME, FE.

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



HOSE END

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

Washer for 2 Lug Universal



MALE END

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

Part No. UG2



FEMALE END

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

WHIPCHECK SAFETY CABLES

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



HOSE TO HOSE CABLE

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



HOSE TO TOOL CABLE

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

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

UNIVERSAL COUPLINGS

UNIVERSAL AIR COUPLINGS - 4 LUG



HOSE END



FEMALE END

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

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

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

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

GROUND JOINT COUPLINGS

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

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

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



GROUND JOINT FEMALE



DOUBLE SPUD



MALE SPUD

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

*Size also represents Wing Nut and Spud thread size.

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

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

SANDBLAST COUPLINGS

SANDBLAST HOSE COUPLINGS

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



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



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



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

Hose ID	Hose OD	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**

FOREIGN FIRE HOSE COUPLINGS

FOREIGN BRASS FIRE HOSE COUPLING, NOZZLES, ADAPTERS, CAPS, GASKETS

Jason stocks fire hose couplings, nozzles, adapters and caps used in countries other than the U.S. These brass items are also used on foreign flagged ships entering U.S. ports. Unlike domestically used couplings, these foreign couplings have no threads to strip or mate incorrectly. Product sizes are listed in inches as the closest metric equivalent (2-1/2" = 64mm). Brass is with satin or polished finish where applicable.



JOHN MORRIS

BRITISH INSTANTANEOUS (BI)
Brass; no threads

Similar to cam and groove in fit, however cam arms do not move 180°, but are spring loaded pull arms. Male secures to female. Shank size changes not M or F.



MACHINO

Brass; no threads

Male secures to female via spring loaded lugs inside female bowl. Detach with push motion on male collar. Assembly swivels 360°.



NAKAJIMA

Brass; no threads
No male or female.

Grooved lugs slide over exterior ridges on opposite coupling to secure coupling to coupling.



STORZ

Brass; no threads
No male or female.

Lugs fit within opposite couplings with half turn to secure coupling to coupling.

STYLE	SIZE	COUPLING	STRAIGHT NOZZLE	ADAPTER	CAP	GASKET
JOHN MORRIS	1-1/2 x 2-1/2	BI150B	BN150BI			GBI150
	2 x 2-1/2	BI200B				GBI200
	2-1/2 x 2-1/2	BI250B	BN250BI		CAP250BI	GBI250
MACHINO	1-1/2	MC150B	BN150MC			GMC150
	2	MC200B	BN200MC			GMC200
	2-1/2	MC250B	BN250MC		CAP250MC	GMC250
	3	MC300B				
NAKAJIMA	1-1/2	NK150B	BN150NK		CAP150NK	GNK150
	2	NK200B	BN200NK		CAP200NK	GNK200
	2-1/2 x 1-1/2	NK250150B		HAB150NK/NK		
	2-1/2	NK250B	BN250NK		CAP250NK	GNK250
	2-1/2 x 2	NK250200B				
	2-1/2 x 2-1/2			HAB250NK/NST		
STORZ	1-1/2	STZ150B	BN150SZ			GSTZ150
	2	STZ200B	BN200SZ		CAP200SZ	GSTZ200
	2-1/2	STZ250B	BN250SZ		CAP250SZ	GSTZ250

FOREIGN NOZZLES

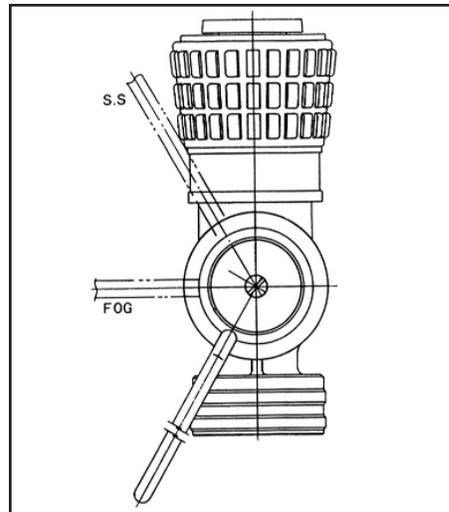
FOREIGN FIRE 3-WAY NOZZLES

Three position brass nozzle with horse shoe handle available as complete assembly; nozzle with end style. Or, available as nozzle with no end style or as end style only.

FULL ASSEMBLY					
Nozzle with End (On Stream / Fog / Off Handle)					
	NST	STORZ	NAKAJIMA	JOHN MORRIS	MACHINO
1-1/2	BN1503PNST	BN1503PSZ	BN1503PNK	BN1503PBI	BN1503PMCF (FEMALE) BN1503PMCM (MALE)
2		BN2003PSZ	BN2003PNK		BN2003PMCF (FEMALE) BN2003PMCM (MALE)
2-1/2	BN2503PNST	BN2503PSZ	BN2503PNK	BN2503PBI	BN2503PMCF (FEMALE) BN2503PMCM (MALE)

NOZZLE END ONLY					
(End Without Nozzle)					
	NST	STORZ	NAKAJIMA	JOHN MORRIS	MACHINO
1-1/2	NA150NST	NA150STZ	NA150NAK	NA150BI	NA150MC (FEMALE)
2		NA200STZ	NA200NAK		NA200MC (FEMALE)
2-1/2	NA250NST	NA250STZ	NA250NAK	NA250BI	NA250MC (FEMALE)

NOZZLE ONLY		
(On Stream / Fog / Off Handle) No End Style		
1-1/2	2	2-1/2
BN1503P	BN2003P	BN2503P



CLAMPS

DOUBLE BOLT HOSE CLAMPS



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

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

SPIRAL DOUBLE BOLT CLAMPS



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

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

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

* Specify clockwise -cw or counterclockwise- ccw

All sizes may not be stocked in all locations. Check with customer service for availability. 55

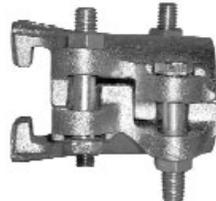
CLAMPS

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 OD of the hose.



2 BOLT



4 BOLT



6 BOLT

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

NIPPLES

COMBINATION HOSE NIPPLE



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

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

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
Stainless	CN300S	CN400S		CN600S			
Polypropylene*	CN300PP	CN400PP					

* Black Schedule 80

NIPPLES

HEX AIR HOSE NIPPLES

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



MS NIPPLE

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

DOUBLE MALE HEX NIPPLE



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

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

ACCESSORIES

HOSE BEND RESTRICTOR



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

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

SPLIT FACE FLANGE ALUMINUM



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

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

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

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

FOOT VALVES FOR WATER SUCTION HOSE



Foot valves are used on the submersed end of the water suction hose to prevent the pump from losing its 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

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).



Size	Round Hole Part No	Square Hole Part No	Bottom Hole Part No	Polypropylene Part No
1-1/2	RHS150	SHS150	BHS150	PS150
2	RHS200	SHS200	BHS200	PS200
2-1/2	RHS250	SHS250		
3	RHS300	SHS300	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.

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

ACCESSORIES

HYDRANT CAP



Heavy duty cast brass with chain.

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

STRAIGHT STREAM BRASS NOZZLES



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

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

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

COMBINATION PLASTIC OR BRASS FOG NOZZLE

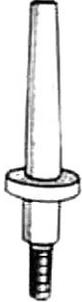


Plastic nozzles are made of high impact bright red plastic with corrosion resistant metal parts. Brass nozzles are high quality heavy brass. These nozzles allow for straight stream or fog spray pattern in industrial, utility or commercial use.

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

ACCESSORIES

WHITE RUBBER NOZZLE



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

SPANNER WRENCH FOR PIN LUG COUPLINGS



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

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

UNIVERSAL SPANNER WRENCH



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

PART NO. US-1

ADJUSTABLE HYDRANT WRENCH



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

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? _____

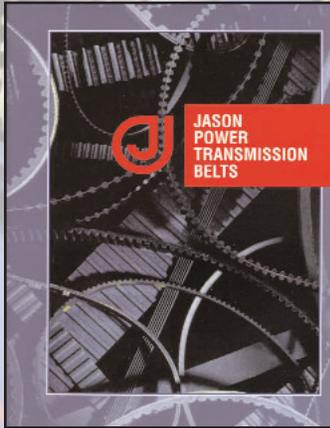
What is the maximum temperature of the material being conveyed? F _____

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

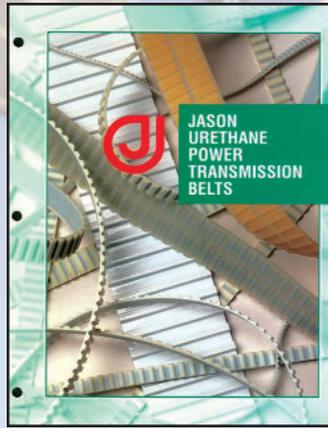
What end connections will be used and how will they be attached?

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

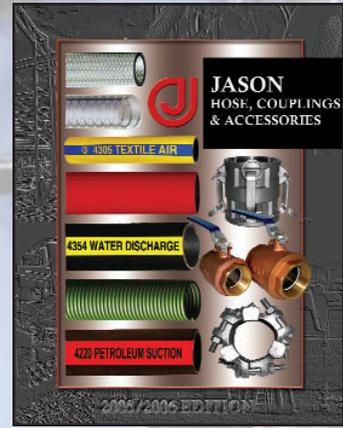
JASON PRODUCT CATALOGS



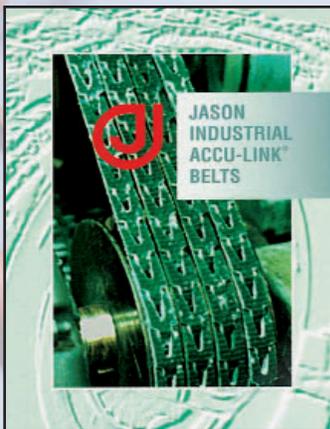
**Power Transmission Belts
Catalog JB-7**



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



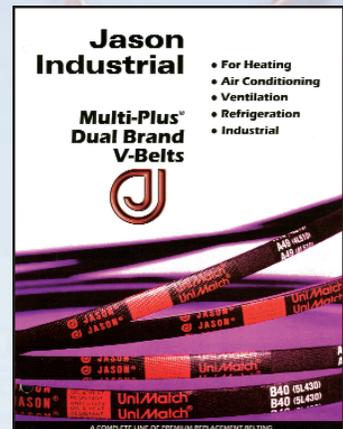
**Industrial Hose, Couplings
& Accessories
Catalog HC-7**



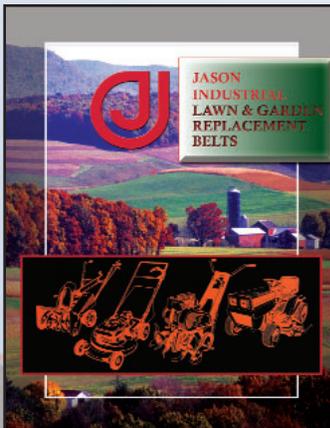
**Accu-Link Belts
Catalog AL-4**



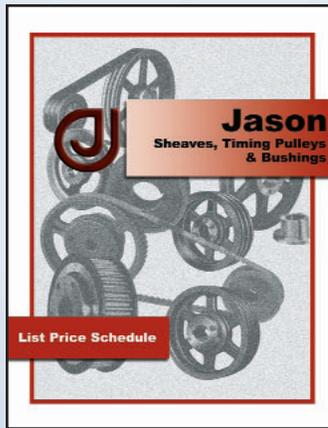
**Tiger Horsepower
Synchronous Belts
Supplement**



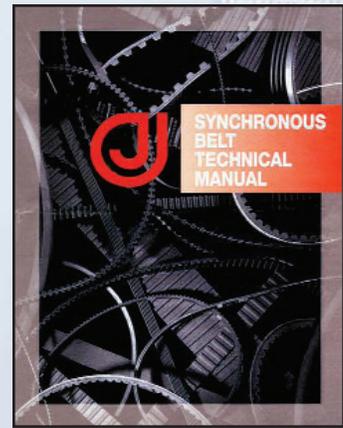
**Air Conditioning
Refrigeration
Catalog SW1001-10**



**Lawn & Garden Belts
Catalog LG-1007**



**Sheaves, Timing Pulleys
& Bushings
Catalog JI-3**



**Synchronous Belt
Technical Manual TM-2**

Contact Jason Industrial for additional information.

Visit us online at

www.jasonindustrial.com



**JASON
INDUSTRIAL
HOSE, COUPLINGS
& ACCESSORIES**

www.jasonindustrial.com

**Corporate Office
Central Warehouse**

Jason Industrial, Inc.

340 Kaplan Drive
Fairfield, NJ 07004
973-227-4904
FAX: 973-227-1651

Branch Offices & Warehouses

Jason Industrial, Inc.

258 S. Westgate Drive
Carol Stream, IL 60188-2243
630-752-0600
FAX: 630-752-0680

Jason Industrial, Inc.

3236 Royalty Row
Irving, TX 75062
972-438-6992
FAX: 972-721-9162

Jason Industrial, Inc.

3724 East 26th Street
Los Angeles, CA 90023
323-265-8061
FAX: 323-265-0813

Jason Industrial, Inc.

5120-B East Adamo Drive
Tampa, FL 33619
813-241-4111
FAX: 813-241-4212

Jason Do Brazil Ltda.

Avenida Armando Panunzio 610
Sorocaba - Sao Paulo
Brazil CEP 18050-000
011 55 15 222 00 07
FAX: 011 55 15 222 90 12 or
011 55 15 222 75 65

Jason Industrial Canada Ltd.

9135 Cote De Liesse
Dorval, Quebec H9P-2N9
514-631-6781
FAX: 514-631-7408

Jason Industrial Canada Ltd.

927 Matheson Blvd, East
Mississauga, Ontario L4W-2R7
905-602-4400
FAX: 905-602-4406

Jason Industrial Canada Ltd.

4242 99th St.
Edmonton, Alberta T6E-5B3
780-461-4400
FAX: 780-461-1034

Jason Industrial, S. De R.L. De C.V.

AV. Ceylan No. 959 Bodega 8
Col. Industrial Vallejo C.P. 02300
Azcapotzalco, Mexico D.F.
011 52 5555873680
FAX: 011 52 5555873688



THE ASSOCIATION FOR HOSE AND
ACCESSORIES DISTRIBUTION



**Jason
Industrial Inc.**

All recommendations for the use of the products described herein and all other data or information set forth in this publication, whether concerning such products or otherwise, are furnished without any guarantee, warranty representations or inducement of any kind whether expressed or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose. And Jason expressly disclaims liability under any theory, including without limitation, contract negligence, misrepresentation or breach of any obligation relating to the recommendation, data or information set forth herein. Readers and customers are encouraged to conduct their own test before using any product. Read its label and all related instructions. The information in this publication is not intended as permission or recommendations to practice a patented invention without permission of the patent owner.