

# I.R.P. INDUSTRIAL RUBBER LTD.



# PRODUCT CATALOGUE

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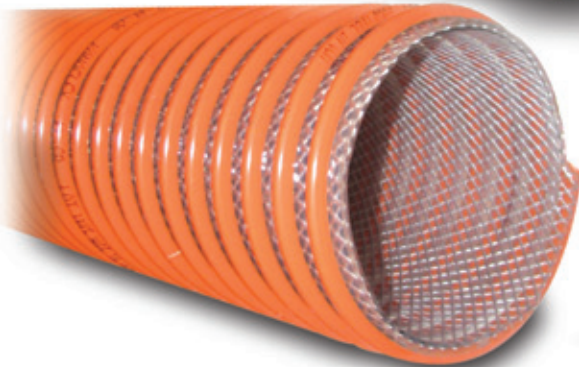
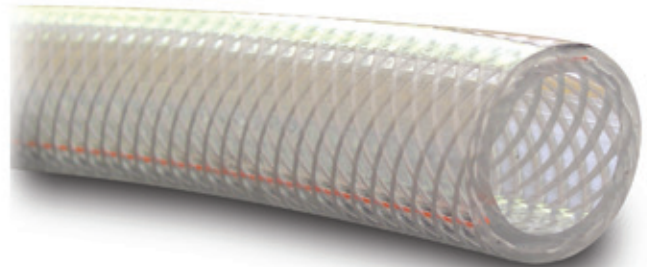
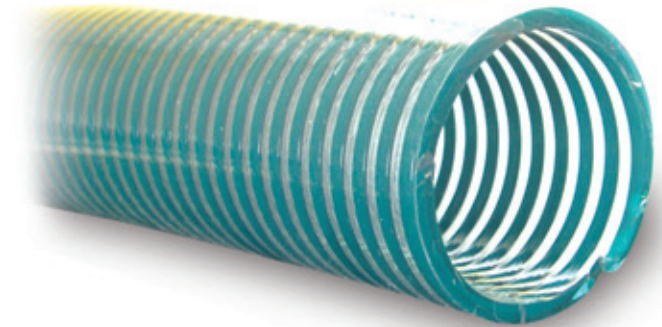
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**I.R.P. INDUSTRIAL RUBBER LTD.**



## **Industrial Hose Catalogue**

**MISSISSAUGA**

**EDMONTON**

**VANCOUVER**







CAY

## CONTRAMINE YELLOW AIR

### Application:

For mining, construction and industrial use where 300 PSI service is required. Mandrel built.

### Construction:

Tube - Synthetic oil mist resistant  
 Reinforcement - Multiple layers of spiraled synthetic yarn  
 Cover - Yellow cut and abrasion resistant rubber  
 Branding - "300 PSI AIR HOSE"

### Temperature Range:

-40°C to +85°C (-40°F to +185°F)

### Standard Lengths:

25ft / 50ft / 75ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CAY-.5	1/2	0.91	300	0.25
CAY-.75	3/4	1.18	300	0.40
CAY-1	1	1.46	300	0.50
CAY-1.25	1-1/4	1.81	300	0.70
CAY-1.5	1-1/2	2.06	300	0.90
CAY-2	2	2.63	300	1.16
CAY-2.5	2-1/2	3.13	300	1.55
CAY-3	3	3.70	250	1.99
CAY-4	4	4.80	250	2.70



CAY400

## CONTRAMINE 400 AIR

### Application:

For mining, construction and industrial use where 400 PSI service is required. Mandrel built.

### Construction:

Tube - Synthetic oil mist resistant  
 Reinforcement - Multiple layers of spiraled synthetic yarn  
 Cover - Yellow cut and abrasion resistant rubber with black stripe  
 Branding - Black Stripe "400 PSI AIR HOSE"

### Temperature Range:

-40°C to +85°C (-40°F to +185°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CAY400-.5	1/2	0.91	400	0.25
CAY400-.75	3/4	1.18	400	0.40
CAY400-1	1	1.46	400	0.50



ESY

## MINE MAXX

### Application:

A premium quality mining, construction and industrial hose.

### Construction:

Tube - Synthetic oil mist resistant  
 Reinforcement - Multiple layers of spiraled synthetic yarn  
 Cover - Yellow cut and abrasion resistant with blue stripe  
 Branding - Blue Stripe "MINE MAXX 400 PSI AIR HOSE"

### Temperature Range:

-40°C to +85°C (-40°F to +185°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
ESY-.5	1/2	0.95	400	0.31
ESY-.75	3/4	1.26	400	0.41
ESY-1	1	1.54	400	0.61
ESY-1.25	1-1/4	1.89	400	0.81
ESY-1.5	1-1/2	2.12	400	0.91
ESY-2	2	2.63	400	1.20
ESY-3	3	3.70	400	2.37
ESY-4	4	4.80	400	3.30



CONAIR

## YELLOW CONTRA-AIR RUBBER AIR HOSE

### Application:

A highly portable, lightweight, high pressure air hose. Contra-Air's nitrile construction makes this product ideal where oil is a factor. (Only suitable for handling petroleum products with an aromatic content under 30%.) Contra-Air's light weight construction makes this hose ideal to be used as a 1" Drillers water supply hose. It's circular woven reinforcement allows this hose to be used for water transfer in applications requiring 400-500 psi working pressure.

### Construction:

Tube - Yellow abrasion and oil resistant nitrile  
 Reinforcement - Circular woven 100% polyester yarn  
 Cover - Yellow nitrile, resistant to abrasion, oil and weathering  
 Branding - Unbranded

### Temperature Range:

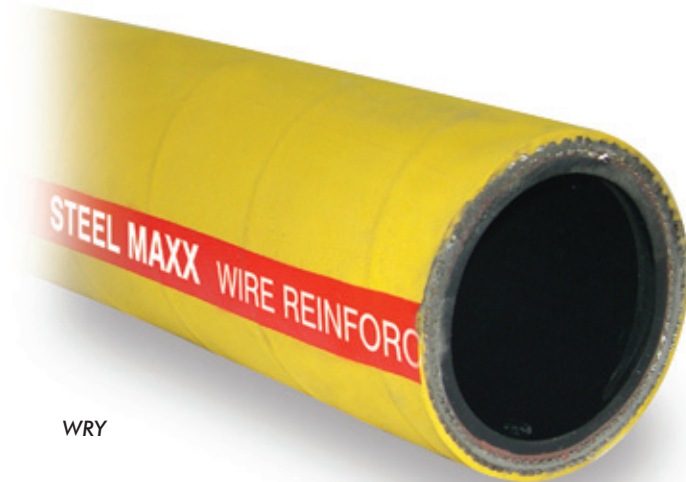
-30°C to +100°C (-22°F to + 212°F)

### Standard Lengths:

25ft multiples and 300ft coils.

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CONAIR-.75	3/4	0.98	300	.20
CONAIR-1	1	1.24	300	.20
CONAIR-1.5	1-1/2	1.74	200	.30
CONAIR-2	2	2.28	200	.46
CONAIR-3	3	3.32	150	.80
CONAIR-4	4	4.32	150	1.04





WRY

## STEEL MAXX

### Application:

Extra high pressure air service for mining, construction and industrial use. Mandrel built.

### Construction:

Tube - Black oil and heat resistant SBR/NBR rubber  
 Reinforcement - Layers of high tensile steel wire  
 Cover - Yellow, cut and gouge resistant synthetic rubber with red stripe  
 Branding - Red Stripe "STEEL MAXX WIRE REINFORCED AIR"

### Temperature Range:

-30°C to +80°C (-22°F to +176°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
WRY-.5	1/2	0.98	600	0.44
WRY-.75	3/4	1.22	600	0.54
WRY-1	1	1.46	600	0.68
WRY-1.25	1-1/4	1.73	600	0.83
WRY-1.5	1-1/2	2.05	600	1.12
WRY-2	2	2.56	600	1.58
WRY-2.5	2-1/2	3.27	450	2.40
WRY-3	3	3.78	450	2.86
WRY-4	4	4.80	450	4.13



HERCULES

## HERCULES 500

### Application:

Hercules 500 is an extremely abrasion resistant hose with a wide range of applications in agriculture, factories, mining, and many other industrial applications. This hose is non-conductive and MSHA approved.

### Construction:

Tube - NBR/PVC, RMA class A  
 Reinforcement - 4-spiral polyester yarn  
 Cover - NBR/PVC, carboxylated nitrile blend RMA class A, MSHA approved  
 Branding - Thermoid Hercules Multipurpose Hose Size I.D. 500 PSI  
 WP MSHA 1C-114/1 Made in USA Non-conductive

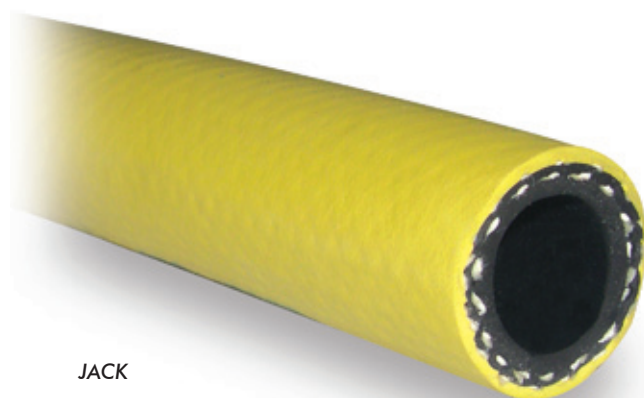
### Temperature Range:

-40°C to +100°C (-40°F to +212°F)

### Standard Lengths:

1/4" to 1" 25ft multiples & 700ft reels  
 1-1/4" to 1-1/2" 25ft multiples & 500ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
HERCULES-.25	1/4	0.63	500	0.14
HERCULES-.375	3/8	0.75	500	0.21
HERCULES-.5	1/2	0.91	500	0.24
HERCULES-.75	3/4	1.19	500	0.36
HERCULES-1	1	1.50	500	0.51
HERCULES-1.25	1-1/4	1.75	500	0.66
HERCULES-1.5	1-1/2	2.09	500	0.70



JACK

## JACKHAMMER HOSE

### Application:

A long length air hose for construction and general industry.

### Construction:

Tube - Black seamless medium oil resistant  
Reinforcement - Spiral synthetic cord  
Cover - Smooth yellow cut and abrasion resistant

### Temperature Range:

-40°C to +82°C (-40°F to +180°F)

### Standard Lengths:

50ft multiples & 700ft reels only

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
JACK-.5	1/2	0.88	300	0.25
JACK-.75	3/4	1.16	300	0.37
JACK-1	1	1.43	300	0.50



SELF

## SELF-RETRACTING AIR

### Application:

A self-retracting air hose that is resistant to lube oils, fuel, hydraulic fluids, common solvents, minerals and organic acids.

### Construction:

Extruded premium quality orange nylon.

### Temperature Range:

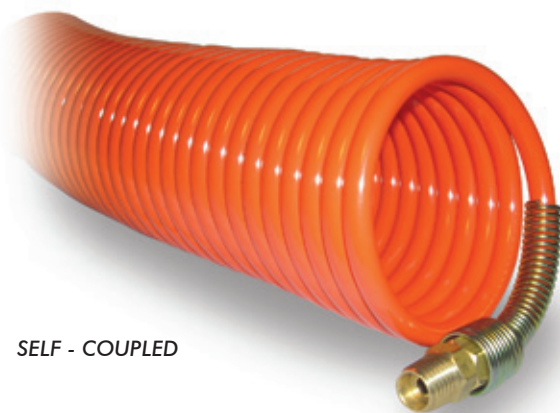
-40°C to +77°C (-40°F to +170°F)

### Retractability:

30:1. To obtain extended hose length required, multiply distance from air supply to tool by 1.3.

## BULK HOSE (100FT LENGTHS ONLY)

Parts No.	I.D. Inches	W.P. PSI
SELF-.25	1/4	250
SELF-.375	3/8	200
SELF-.5	1/2	150
SELF-.75	3/4	125



SELF - COUPLED

## COUPLED ASSEMBLIES WITH MALE SWIVELS EACH END

Parts No.	I.D. Inches	Length Extended ft.
SELF-.25-12.5	1/4	12-1/2
SELF-.25-25	1/4	25
SELF-.25-50	1/4	50
SELF-.375-12.5	3/8	12-1/2
SELF-.375-25	3/8	25
SELF-.375-50	3/8	50
SELF-.5-12.5	1/2	12-1/2
SELF-.5-25	1/2	25
SELF-.5-50	1/2	50



PSRKURI

## PREMIUM POLYURETHANE SELF-RETRACTING AIR

### Construction:

Transparent blue tint polyurethane, highly abrasion resistant and non-marking. Superior oil resistance, complies with RMA class A designation. Each length has 4" & 20" pigtails.

### Temperature Range:

-18°C to +85°C (0°F to +150°F)

### Note:

Self-retracting air hose fittings cannot be used on this hose. We recommend machined brass fittings attached with pinch clamps or ferrules. Working length is 80% of the nominal length described.

### UNCOUPLED HOSE

Parts No.	I.D. Inches	O.D. Inches	Length Ft.	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PSRKURI-.25-15	1/4	0.38	15	125	0.63
PSRKURI-.25-25	1/4	0.38	25	125	0.40
PSRKURI-.375-15	3/8	0.57	15	100	0.46
PSKKURI-.375-25	3/8	0.57	25	100	0.44

\*Other lengths available upon request\*

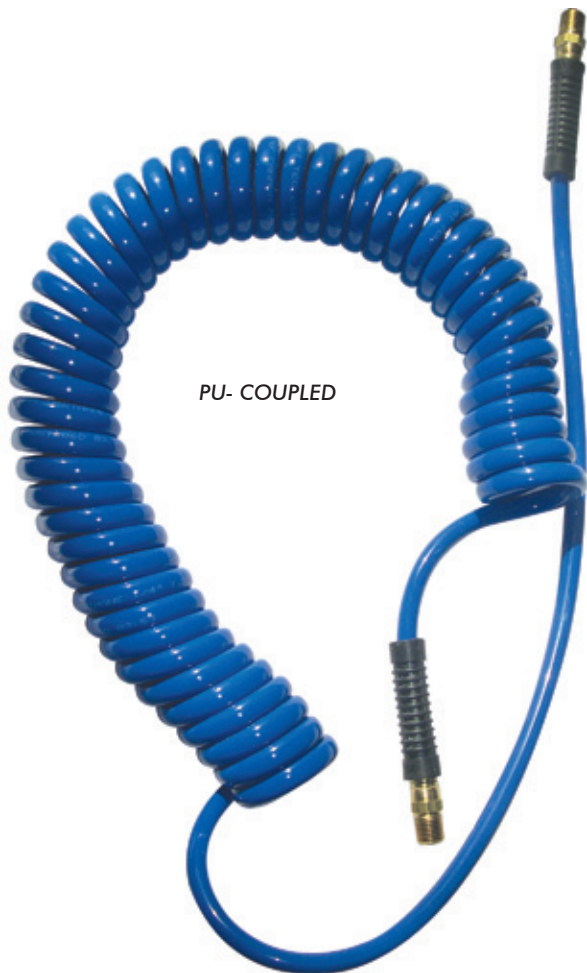


PSRKURI - COUPLED

### COUPLED ASSEMBLIES WITH MALE SWIVELS EACH END

Parts No.	I.D. Inches	Length Extended ft.
PSRKURI-.25-MM-10	1/4	10
PSRKURI-.25-MM-15	1/4	15
PSRKURI-.25-MM-20	1/4	20
PSRKURI-.25-MM-25	1/4	25
PSRKURI-.25-MM-50	1/4	50
PSRKURI-.375-MM-10	3/8	10
PSRKURI-.375-MM-15	3/8	15
PSRKURI-.375-MM-20	3/8	20
PSKKURI-.375-MM-25	3/8	25
PSRKURI-.375-MM-50	3/8	50





PU- COUPLED



CHAL-PU

## PREMIUM POLYURETHANE SELF-RETRACTING AIR

### Construction:

Blue polyurethane, highly abrasion resistant and non-marking. Superior oil resistance, complies with RMA class A designation. Each length has 4" & 20" pigtails.

### Temperature Range:

-18°C to +85°C (0°F to +150°F)

### Note:

Self-retracting air hose fittings cannot be used on this hose. Working length is 80% of the nominal length described.

### COUPLED ASSEMBLIES WITH MALE SWIVELS EACH END

Parts No.	I.D. Inches	Length Extended ft.
PUI4x10	1/4	10
PUI4x15	1/4	15
PUI4x20	1/4	20
PUI4x25	1/4	25
PUI4x50	1/4	50
PUI5x15	3/8	15
PUI5x20	3/8	20
PUI5x25	3/8	25
PUI5x50	3/8	50

## CHALLENGER COIL-MAXX POLYURETHANE SELF-RETRACTING AIR HOSE

### Application:

For assembly line air tools, work stations, and automotive repair.

### Construction:

Blue polyurethane, lightweight, highly abrasion resistant, and non-marking. Excellent memory, flexibility, and kink resistance. Each length has 4" and 20" pigtails.

### Packaging:

Poly bag labelled with ID and length

### Fittings:

Brass swivel fittings, complete with non-marking bend restrictors

### Temperature Range:

-18°C to +85°C (0°F to +185°F)

Parts No.	I.D. Inches	O.D. Inches	Max W.P. (PSI)	Length Extended ft.
CHAL-PU-.25-10	1/4	0.354	125	10
CHAL-PU-.25-15	1/4	0.354	125	15
CHAL-PU-.25-25	1/4	0.354	125	25
CHAL-PU-.25-50	1/4	0.354	125	50





CHAL

## CHALLENGER EPDM GENERAL SERVICE HOSE

### Application:

An economical EPDM multi purpose hose used in a wide range of air, water, and light agricultural chemical applications. Challenger General Service hose is used in construction, marine, agricultural, and industrial applications.

### Construction:

Tube - Black EPDM blended rubber  
Reinforcement - Polyester yarn  
Cover - Smooth red abrasion resistant EPDM blend

### Temperature Range:

-20°C to +93°C (-4°F to +200°F)

### Standard Lengths:

25ft multiples & 500ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CHAL-.25-250	1/4	0.51	250	0.11
CHAL-.375-250	3/8	0.67	250	0.16
CHAL-.5-250	1/2	0.83	250	0.23
CHAL-.75-250	3/4	1.14	250	0.40
CHAL-1-200	1	1.40	200	0.53



TUNDRA

## TUNDRA LOW TEMP PVC AIR HOSE

### Application:

Tundra is an ideal hose for outdoor air and water applications in cold weather. Its specially formulated compounds are engineered to be tough and flexible at very low temperatures. Tundra is also silicone free.

### Construction:

Tube- High grade low temp. PVC compound. Medium Class B oil resistance  
Reinforcement- High tensile strength polyester yarn  
Cover- High grade low temp. PVC compound. Medium Class B oil resistance

### Temperature Range:

-40°C to +65°C (-40°F to +150°F)

### Standard Lengths:

1/4" to 1/2" - 500ft reel no cutting  
Full coils / reels only

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TUNDRA-RED-.25	1/4	0.50	300	0.08
TUNDRA-RED-.375	3/8	0.63	300	0.10
TUNDRA-YEL-.375-500R	3/8	0.63	300	0.10
TUNDRA-YEL-.5-500R	1/2	0.78	300	0.15

# Automotive Hose



SH

## SILICONE AUTO HEATER

### Application:

A high temperature heater hose used in hostile engine environments, or other industrial applications where temperature is a factor. Meets SAE J20 20R3 class A.

### Construction:

Tube - Red heat resistant silicone  
 Reinforcement - Single ply polyester braid  
 Cover - Blue heat and weather resistant silicone

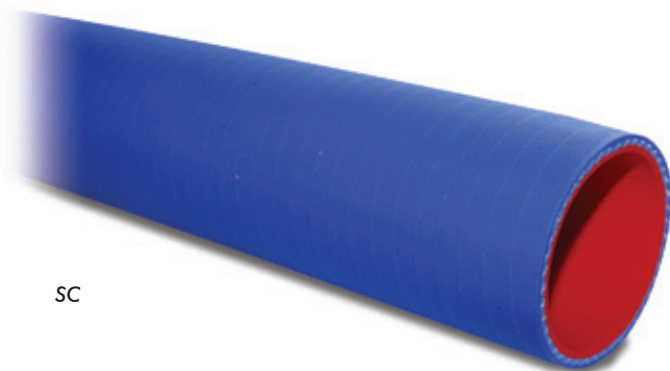
### Temperature Range:

-54°C to +177°C (-65°F to +350°F)

### Standard Lengths:

50ft and reel quantities

Parts No.	I.D. Inches	O.D. Inches	Min. Burst PSI	Lbs. Per Ft.
SH-.25	1/4	0.525	250	0.090
SH-.313	5/16	0.630	250	0.150
SH-.375	3/8	0.690	250	0.148
SH-.5	1/2	0.815	250	0.183
SH-.625	5/8	0.938	250	0.216
SH-.75	3/4	1.064	200	0.252
SH-.875	7/8	1.190	200	0.288
SH-1	1	1.338	175	0.350



SC

## SILICONE COOLANT HOSE

### Application:

A coolant hose designed for glycol transfer in areas of high temperatures, meets SAE J20 R1, Class A (1994). Not suitable for oil based products.

### Construction:

Tube - Blue heat and weather resistant silicone  
 Reinforcement - 3 plies of polyester  
 Cover - Red heat resistant silicone

### Temperature Range:

-54°C to +177°C (-65°F to +350°F)

### Standard Lengths:

12ft only - cut to multiples of 4ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Lbs. Per Ft.
SC-.875	7/8	1.21	100	431	0.313
SC-1	1	1.33	100	412	0.344
SC-1.125	1-1/8	1.46	90	372	0.400
SC-1.25	1-1/4	1.58	90	355	0.421
SC-1.375	1-3/8	1.71	80	328	0.446
SC-1.5	1-1/2	1.83	80	313	0.484
SC-1.625	1-5/8	1.95	75	304	0.526
SC-1.75	1-3/4	2.08	75	293	0.557
SC-1.875	1-7/8	2.21	70	280	0.570
SC-2	2	2.33	70	271	0.585
SC-2.125	2-1/8	2.46	65	266	0.659
SC-2.25	2-1/4	2.58	65	256	0.716
SC-2.375	2-3/8	2.71	60	252	0.729
SC-2.5	2-1/2	2.83	60	244	0.769
SC-2.625	2-5/8	2.95	60	239	0.774
SC-2.75	2-3/4	3.08	60	233	0.869
SC-3	3	3.33	45	180	0.905
SC-3.5	3-1/2	3.83	40	150	1.098
SC-4	4	4.33	35	135	1.195





AH

## EPDM AUTO HEATER

### Application:

Standard duty heater hose.

### Construction:

Tube - Black heat and weather resistant EPDM rubber

Reinforcement - Two spirals of synthetic textile

Cover - Black heat resistant EPDM rubber. Resistant to anti-freeze solutions

### Temperature Range:

-40°C to +93°C (-40°F to +200°F)

### Standard Lengths:

25ft or 700ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Approx. Wt. Per. Ft. Lbs.
AH-.625	5/8	0.88	35	140	26
AH-.75	3/4	1.03	35	140	30
AH-1	1	1.34	25	100	40



AB

## AIR BRAKE

### Application:

For conveying air in truck and trailer brake systems. Meets D.O.T. FM-VSS106-74, S.A.E. J-1402A and branded accordingly. Approved by the American Association of Motor Vehicle Administration.

### Construction:

Tube - EPDM rubber oil resistant

Reinforcement - Multi-spiral synthetic yarn

Cover - Black EPDM oil resistant resists abrasion, cracking and weather checking

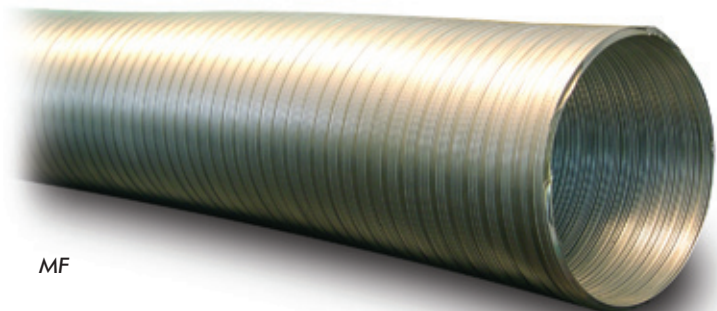
### Temperature Range:

-40°C to +93°C (-40°F to +200°F)

### Standard Lengths:

25ft multiples or 700ft reels

Parts No.	I.D. Inches	O.D. Inches	Min. Burst PSI	Approx. Wt. Per. Ft. Lbs.
AB-.375	3/8	0.75	900	0.17
AB-.5	1/2	0.88	900	0.20



MF

## METAL FLEX-HAND BENDABLE DUCT

### Application:

Used for most installation where there is no flexing, such as vent hoods, air ducts, hot air dryers. Meet UL 181 class I air duct specification. ULCS110 standard methods of tests for air ducts.

### Construction:

Aluminum interlocked construction is self supporting and hand bendable for ease of installation. Advantages include low pressure loss and vibration dampening. Not designed to flex in service.

### Working Pressure:

Max. Positive 12 W.G. Negative 1 W.G.

### Temperature Range:

-51°C to +315°C (-60°F to +600°F)

### Standard Lengths:

10ft only - no cutting

Parts No.	I.D.	Bend Radius Inches
MF-3	3	4-1/2
MF-4	4	6
MF-5	5	7-1/2
MF-6	6	9
MF-7	7	10-1/2
MF-8	8	12
MF-10	10	15
MF-12	12	18



RT

## RT-6 GALVANIZED LOCK SECTION HOSE

### Application:

Automotive exhaust, ventilating ducting, moderate suction lines, duct collecting, air blower ducting

### Construction:

Tube - Galvanized steel  
Metal Thickness - .013" to .016"  
Cover - Fully interlocking galvanized steel

### Temperature Range:

-40°C to +177°C (-40°F to +350°F)

### Standard Lengths:

25ft or 50ft.

\*Also available in Stainless Steel. Call for pricing.

Parts No.	I.D. Inches +0.3	O.D. Inches +0.3	Bend Radius Inches	Approx. Wt. Per. Ft. Lbs.
RT-6-2	2	2.125	13	.90
RT-6-3	3	3.125	21	1.40
RT-6-4	4	4.172	27	1.80
RT-6-5	5	5.172	32	2.30
RT-6-6	6	6.172	42	2.70
RT-6-7	7	7.172	46	3.20



ULTRA

## ULTRA CHEM

### Application:

The UHMW tube provides an extremely flexible chemical suction and discharge hose that will handle 98% of all common industrial chemicals. Suitable for full vacuum.

### Construction:

Tube - Ultra high molecular weight polyethylene (UHMW)  
 Reinforcement - Multiple synthetic textile cords and a dual wire helix  
 Cover - Green EPDM  
 Branding - "Thermoid/HBD Industries, Inc. Transporter Ultra-chem PSI WP Made in USA"

### Temperature Range:

-29°C to +82°C (-20°F to +180°F)

### Standard Lengths:

100ft cut to multiples of 5ft

\* Reduced pressure ratings are advised when handling hot, extremely corrosive chemicals.

\* Working pressures shown are based on using a permanent type coupling such as swage or internally expanded.

\* For branding type couplings, the working pressure should be reduced to 65% of the pressure listed below.

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
ULTRA-1	1	1.47	4	250	0.53
ULTRA-1.25	1-1/4	1.78	4	250	0.75
ULTRA-1.5	1-1/2	2.08	4	250	0.96
ULTRA-2	2	2.58	6	250	1.30
ULTRA-3	3	3.66	9	200	2.09



AC

## EM MAXX

### Application:

handle 90% of known chemicals and petroleum products in both suction and discharge applications.

### Construction:

Tube - Translucent smooth cross-linked polyethylene (XLPE)  
 Reinforcement - High tensile wire helix between two layers of synthetic cords  
 Cover - Green smooth EPDM chemical resistant rubber  
 Branding - Green Stripe "UHMW CHEMICAL HOSE 240 P.S.I."

### Temperature Range:

-29°C to +66°C (-20°F to +150°F) or -29°C to +82°C (-20°F to +180°F)  
 Depending on media being conveyed

### Standard Lengths:

50ft / 100ft

\* Reduced pressure ratings are advised when handling hot, extremely corrosive chemicals.

\* Working pressures shown are based on using a permanent type coupling such as swage or internally expanded.

\* For branding type couplings, the working pressure should be reduced to 65% of the pressure listed below.

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
AC-.75	3/4	1.26	6	150	0.48
AC-1	1	1.50	8	150	0.69
AC-1.25	1-1/4	1.79	10	150	0.83
AC-1.5	1-1/2	2.05	12	150	1.03
AC-2	2	2.58	16	150	1.42
AC-2.5	2-1/2	3.08	25	150	1.73
AC-3	3	3.58	30	150	2.21
AC-4	4	4.65	40	150	3.46



## CHEMICAL RESISTANCE GUIDE FOR ELASTOMERS

This information is provided only as a guide. Actual service life can only be determined by the user, evaluating the elastomer in actual service conditions.

### RATINGS CODE:

- A **Excellent:** Long service may be expected with little or no affect on elastomer - suitable for continuous service.
- B **Good:** Good service may be expected, but elastomer will be affected by the chemical exposure - usually suitable for continuous or intermittent service.
- C **Conditional:** Fair service may be expected if chemical exposure is limited or infrequent. Not recommended for continuous, but may give some service if it is the only elastomer present.
- X **Not Recommended.** Insufficient Information: No data available at the time of publication to determine an accurate rating, but the elastomer is not expected to perform better than those listed.

COMMON NAME	ASTM DESIGNATION	COMPOSITION
Buna-N or Nitrile	NBR	Nitrile-Butadiene
Cross Linked Polyethylene	XLPE	Cross Linked Polyethylene
EPT or EPDM	EPDM	Ethylene-propylene-diene-terpolymer
Teflon	FEP	Fluorinated Ethylene Propylene
SBR	SBR	Styrene-Butadiene
Hypalon	CSM	Chlorosulfonated polyethylene
Natural	NR	Isoprene (Natural)
Neoprene	CR	Chloroprene
Viton	FKM	Fluorocarbon
Ultra High Molecular Weight Polyethylene	UHMWPE	Polyethylene





# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Acetaldehyde	X	X	X	C	C	A	X	A	A	A	X
Acetamide (Acryimide)	B	B	C	C	B	A	B	A	A	A	-
Acetic Acid - 10%. 1.8 BE	B	C	X	B	B	A	A	A	A	A	A
Acetic Acid - 20%	B	C	X	B	B	A	C	A	A	A	B
Acetic Acid - 30%. 5.4 BE	B	C	X	B	B	A	C	A	A	A	B
Acetic Acid - 50%. 7.9 BE	C	C	X	C	B	A	C	A	B	A	B
Acetic Acid - 99.5% Glacial	C	X	X	C	X	B	X	A	B	A	C
Acetate Solvents	X	X	X	C	X	C	X	A	A	A	X
Acetic Ester (Ethyl Acetate)	X	X	X	X	X	B	X	A	A	A	X
Acetic Oxide (Acetic Anhydride)	B	C	C	C	A	B	X	A	A	A	X
Acetone	C	X	C	B	B	A	X	A	A	A	X
Acetone Cyanohydrin	B	X	C	C	C	A	X	A	A	B	X
Acetophenone	X	X	X	X	X	A	X	A	B	-	-
Acetyl Acetone	X	X	X	X	X	A	X	A	A	A	X
Acetyl Oxide	X	C	C	C	B	B	X	A	A	A	-
Acetylene	B	A	A	A	B	A	A	A	A	A	X
Acetylene Dichloride	X	X	X	X	X	-	A	A	A	A	X
Acetylene Tetrachloride	X	X	X	X	X	X	A	A	A	A	X
Acrolein	C	B	C	B	B	A	A	A	A	A	-
Adipic Acid (Adipinic Acid)	A	A	A	A	-	A	A	A	-	-	B
Alcohol - Absolute	A	A	A	A	A	A	B	A	A	A	X
Alcohol - Aliphatic	A	A	B	A	A	A	A	A	A	A	X
Alcohol - Aromatic	C	C	X	C	-	C	A	A	A	A	X
Alcohol - Ethyl (Ethanol)	A	A	A	A	A	A	B	A	A	A	A
Alcohol - Grain	A	A	A	A	A	A	B	A	A	A	-
Alcohol - Methyl	A	A	A	A	A	A	X	A	A	A	C
Alk-Tri (Trichlorethylene)	X	X	X	X	X	X	A	A	B	X	X
Allyl Alcohol	A	A	A	A	A	A	B	A	A	A	X
Allyl Bromide	X	X	X	X	X	X	B	A	B	B	X
Allyl Chloride	X	X	X	X	X	X	B	A	B	B	X
Alum	A	A	A	A	A	A	A	A	A	A	A
Aluminum Acetate	B	B	C	A	B	A	X	A	A	A	A
Aluminum Chloride	A	A	A	A	A	A	A	A	A	A	A
Aluminum Fluoride	A	A	A	A	A	A	A	A	A	A	A
Aluminum Formate	X	X	X	X	X	X	X	A	A	A	-
Aluminum Hydroxide	A	A	B	A	B	A	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Aluminum Nitrate	A	A	A	A	A	A	A	A	A	A	A
Aluminum Phosphate	A	A	A	A	A	A	A	A	A	A	-
Aluminum Sulfate	A	A	B	A	A	A	A	A	A	A	A
Aminoethanol	B	B	B	B	B	B	C	A	A	A	-
Aminoethylethanolamine	-	B	B	B	B	-	-	A	A	A	-
Ammonia Anhydrous (Liquid)	ANHYDROUS AMMONIA HOSE ONLY										
Ammonia in Water	A	B	B	A	B	A	C	A	A	A	B
Ammonium Carbonate	B	C	A	A	B	A	A	A	A	A	A
Ammonium Chloride	A	A	A	A	A	A	A	A	A	A	A
Ammonium Hydroxide	B	B	B	B	A	A	A	A	A	A	B
Ammonium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Nitrite	A	A	A	A	A	A	A	A	A	A	-
Ammonium Phosphate	A	A	A	A	A	A	A	A	A	A	-
Ammonium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulfide	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulfite	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulphate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Thiocyanate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Thiosulfate	A	A	A	A	A	A	A	A	A	A	-
Amyl Acetate	X	X	X	C	X	B	X	A	A	A	X
Amyl Acetone	X	X	X	X	X	B	X	A	A	A	X
Amyl Alcohol	A	A	A	A	A	A	A	A	A	A	C
Amyl Amine	X	C	C	C	C	X	X	A	A	A	X
Amyl Borate	B	A	X	X	A	X	A	A	A	A	-
Amyl Chloride	X	X	X	X	X	X	A	A	A	A	X
Amyl Chloronapthalene	X	B	X	X	X	X	A	A	A	A	-
Amyl Napthalene	X	X	X	X	X	X	A	A	A	A	-
Amyl Oleate	X	B	X	X	X	X	C	A	A	A	-
Amyl Phenol	X	X	X	X	X	X	A	A	A	A	-
Amyl Phthalate	X	X	X	X	X	X	C	A	A	A	-
Anethole (Anethol)	X	X	X	X	X	X	B	A	C	C	-
Aniline Dyes	C	X	C	B	B	B	B	A	A	A	X
Aniline Hydrochloride	X	X	C	B	X	B	B	A	A	A	X
"Aniline, Aniline Oils"	X	X	X	X	C	B	C	A	A	A	X
Animal Fats	B	A	X	X	C	X	A	A	A	A	-
Animal Grease	B	A	X	X	C	A	A	A	A	A	-



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Animal Oils	B	A	X	X	X	B	A	A	A	A	-
Ansul Ether	X	C	X	X	X	C	X	A	A	A	-
Antimony Pentachloride	X	X	X	X	X	C	A	A	B	A	-
Antimony Trichloride	B	B	X	X	B	A	A	A	A	A	A
Aqua Ammonia	B	B	B	A	B	B	C	A	A	A	-
Aqua Regia	X	X	X	X	C	C	A	A	X	A	C
Aromatic Hydrocarbons	X	X	X	X	X	X	A	A	A	A	X
Aromatic Spirits	X	C	X	X	X	X	A	A	A	A	X
Aromatic Tar	X	C	X	X	X	X	A	A	A	A	-
Arquads	A	A	A	A	A	A	A	A	A	A	-
Arsenic Acid	A	A	A	A	A	A	A	A	A	A	-
Arsenous Chloride	A	C	X	X	X	X	X	A	X	-	-
Arsenous Trichloride	A	C	X	X	X	X	X	A	X	-	-
Asphalt	B	A	X	X	X	X	A	A	X	X	-
ASTM-Ref: #1 Oil	A	A	X	X	B	X	A	A	A	A	B
ASTM-Ref: #2 Oil	B	A	X	X	X	X	A	A	A	A	B
ASTM-Ref: #3 Oil	B	A	X	X	C	X	A	A	A	A	C
Aviation Gasoline	X	A	X	X	X	X	A	A	A	A	X
Barium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Barium Chloride	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfide	A	A	A	A	A	A	A	A	A	A	A
Beet Sugar Liquors	A	A	A	A	A	A	A	A	A	A	A
Benzaldehyde	X	X	X	X	X	B	X	A	A	A	X
Benzene (Benzol)	X	X	X	X	X	X	A	A	A	B	X
Benzene Sulphonic Acid	B	X	X	X	A	X	A	A	A	A	C
Benzine Solvent (Ligroin)	B	A	X	X	X	X	A	A	A	A	X
Benzoic Acid	B	X	X	B	B	B	A	A	A	A	B
Benzoic Aldehyde	X	X	X	X	X	B	X	A	A	A	-
Benzotrighloride	X	X	X	X	X	X	B	A	C	C	-
Benzyl Acetate	X	X	X	X	B	B	X	A	A	A	X
Benzyl Alcohol	C	X	C	C	B	B	A	A	A	A	-
Bichromate of Soda	B	X	X	X	C	C	A	A	A	A	-
Black Sulfate Liquor	B	B	B	B	B	A	A	A	A	A	-
Blast Furnace Gas	X	X	X	X	X	X	A	A	A	A	-



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Bleach Solutions	X	X	X	X	B	A	A	A	B	A	-
Borax	A	B	B	B	A	A	A	A	A	A	A
Bromine - Gas	X	X	X	X	X	X	B	A	X	X	-
Bromotoluene	X	X	X	X	X	X	B	A	C	X	-
Bunker C	B	A	X	X	X	X	A	A	A	B	-
Bunker Oil	B	A	X	X	X	X	A	A	C	B	-
Butadiene	C	C	X	X	B	C	A	A	A	A	C
Butane	USE BUTANE - PROPANE HOSE ONLY										
Butanol (Butyl Alcohol)	A	A	A	A	A	A	A	A	A	A	X
Butyl (Normal) Alcohol	A	A	A	A	A	A	A	A	A	A	C
Butyl (Secondary) Alcohol	A	A	A	A	A	A	A	A	A	A	C
Butyl Acetate	X	X	X	X	X	X	X	A	A	A	X
Butyl Acrylate	X	X	X	X	X	X	X	A	B	B	X
Butyl Alcohol	A	A	A	A	A	A	A	A	A	A	C
Butyl Aldehyde	C	X	X	X	C	B	X	A	A	A	-
Butyl Amine	X	C	C	C	C	X	X	A	A	A	-
Butyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Butyl Benzyl Phthalate	X	X	X	X	X	-	C	A	A	A	-
Butyl Bromide	X	X	X	X	X	X	B	A	B	B	-
Butyl Butyrate	X	X	X	X	X	-	X	A	B	B	X
Butyl Carbitol	C	X	X	X	B	A	C	A	A	A	X
Butyl Cellosolve	C	C	X	X	B	A	X	A	A	A	X
Butyl Chloride	X	X	X	X	X	X	A	A	B	B	-
Butyl Ether	C	B	X	X	C	X	X	A	A	A	-
Butyl Ether Acetaldehyde	C	X	X	X	X	X	X	A	A	A	-
Butyl Ethyl Ether	-	B	X	X	B	X	C	A	A	A	-
Butyl Oleate	X	X	X	X	X	B	A	A	A	A	-
Butyl Phthalate	X	X	X	X	X	-	C	A	A	A	-
Butyl Stearate	X	B	X	X	X	X	A	A	A	A	-
Butyraldehyde	C	X	X	X	X	X	X	A	A	A	-
Butyric Acid	C	X	X	X	C	C	C	A	A	A	-
Cadmium Acetate	B	B	X	X	A	A	X	A	A	A	-
Calcium Acetate	B	B	X	B	A	A	X	A	A	A	-
Calcium Aluminate	A	A	A	A	A	A	A	A	A	A	-
Calcium Bichromate	-	-	-	-	C	-	-	A	C	C	B
Calcium Bisulfate	A	A	A	A	A	A	A	A	A	A	-



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Calcium Bisulfite	A	A	A	C	A	C	A	A	A	A	-
Calcium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Calcium Chloride	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydroxide (Caustic Lime)	A	A	A	A	B	A	C	A	A	A	A
Calcium Hypochlorite	X	X	X	X	C	B	B	A	C	B	A
Calcium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Calcium Silicate	A	A	A	A	A	A	A	A	A	A	A
Calcium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Calcium Sulfhydrate	A	A	A	A	A	A	A	A	A	A	-
Calcium Sulfide	B	A	B	A	A	A	A	A	A	A	A
Calcium Sulfite	B	A	B	A	A	A	A	A	A	A	A
Cane Sugar Liquids	A	A	A	A	A	A	A	A	A	A	A
Caprylic Acid	-	C	X	C	B	-	-	A	A	A	-
Carbitol	B	B	C	X	B	B	A	A	A	A	-
Carbitol Acetate	X	X	X	X	B	X	X	A	A	A	-
Carbolic Acid (Phenol)	X	X	X	X	X	X	A	A	A	A	X
Carbon Dioxide (Wet or Dry)	A	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide	X	X	X	X	X	X	X	A	X	X	X
Carbon Monoxide	A	A	B	C	A	A	A	A	A	A	A
Carbon Tetrachloride	X	C	X	X	X	X	A	A	C	C	X
Carbon Tetrafluoride	X	X	X	X	X	B	A	A	C	C	X
Carbonic Acid	A	A	A	A	A	A	A	A	A	A	C
Casing Head Gasoline	-	A	X	X	X	X	A	A	B	B	C
Castor Oil	A	A	X	B	A	B	A	A	A	A	A
Caustic Potash (Potassium Hydroxide)	B	B	B	B	A	A	B	A	A	A	A
Caustic Soda (Sodium Hydroxide)	B	C	B	A	B	A	B	A	A	A	A
Cellosize	-	X	X	X	X	-	-	A	A	A	-
Cellosolve	X	C	X	X	B	B	C	A	A	A	C
Cellosolve Acetate	X	X	X	X	X	B	X	A	A	A	-
Cellulose Acetate	C	B	X	B	C	B	C	A	B	B	-
Cellulube Hydraulic Fluids	X	X	X	C	X	A	A	A	A	A	-
Chlorinated Solvents (Wet & Dry)	X	X	X	X	X	X	A	A	A	B	X
Chlorine (Dry)	X	C	X	C	C	C	A	A	C	A	-
Chlorine (Wet)	X	X	X	X	X	X	A	A	C	A	-
Chlorine Dioxide	X	X	X	X	C	C	A	A	B	B	-
"Chlorine Gas, Dry"	C	C	X	C	X	X	B	A	B	A	B



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
"Chlorine Gas, Wet"	X	C	X	X	X	X	C	A	B	A	C
Chloroacetic Acid	X	X	X	B	B	B	B	A	A	A	A
Chloroacetone	C	X	X	X	X	X	B	A	A	A	X
Chlorobenzene	X	X	X	X	X	X	A	A	B	A	X
Chlorobutadiene	X	X	X	X	X	X	A	A	B	B	-
Chlorobutane (Chlorobutanol)	X	X	X	X	X	X	A	A	B	B	X
Chloroethylbenzene	X	X	X	X	X	X	A	A	A	A	X
Chloroform	X	X	X	X	X	X	A	A	C	A	X
Chlorinated Hydrocarbons	X	X	X	X	X	X	A	A	B	B	X
Chloropentane	X	X	X	X	X	X	A	A	A	A	X
Chlorophenol	X	X	X	X	X	X	B	A	C	A	X
Chloropropanone	X	X	X	X	X	X	X	A	A	A	C
Chlorosulfonic Acid	X	X	X	X	C	X	X	A	X	X	X
Chlorothene	X	X	X	X	X	X	A	A	A	A	X
Chlorotoluene	X	X	X	X	X	X	A	A	C	C	-
Citric Acid	A	A	A	A	A	A	A	A	A	A	A
Coal Oil	B	A	X	X	C	X	A	A	A	A	-
Coal Tar	C	B	X	X	X	X	A	A	A	A	X
Cobalt Chloride	A	A	A	A	A	A	A	A	A	A	-
Coconut Oil (Butter)	B	A	X	X	B	A	A	A	A	A	C
Cod Liver Oil	B	A	X	X	B	A	A	A	A	A	-
Coke Oven Gas	X	X	X	X	B	X	A	A	A	A	-
"Copper Arsenate, Basic"	A	A	A	A	A	A	A	A	A	A	A
Copper Chloride	A	A	A	B	B	A	A	A	A	A	A
Copper Cyanide	B	A	A	A	B	A	A	A	A	A	A
Copper Hydrate	-	B	B	C	B	-	C	A	A	A	A
Copper Hydroxide	-	B	B	C	B	-	C	A	A	A	A
Copper Nitrate	A	A	A	B	A	A	A	A	A	A	A
Copper Nitrite	A	A	A	C	A	A	A	A	A	A	A
Copper Sulfate	A	A	A	C	A	A	A	A	A	A	A
Copper Sulfide	-	A	A	C	A	A	A	A	A	A	A
Corn Oil	B	A	X	X	B	B	A	A	A	A	A
Cotton Seed Oil	B	A	X	X	B	A	A	A	A	A	B
Creosote - Coal Tar	C	B	X	X	C	X	A	A	A	A	X
Creosote - Wood Tar	C	A	X	X	C	X	A	A	A	A	X
Cresylic Acid	X	C	X	X	C	X	A	A	A	A	X





CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Crotonaldehyde	X	X	X	X	X	A	X	A	A	A	-
Crude Oil	C	A	X	X	X	X	A	A	A	A	A
Cumene	X	X	X	X	X	X	A	A	A	A	-
Cupric Carbonate	A	A	C	C	A	A	A	A	A	A	B
Cupric Chloride	A	A	C	B	A	A	A	A	A	A	B
Cupric Nitrate	A	A	B	B	A	A	A	A	A	A	B
Cupric Nitrite	B	A	C	C	A	A	A	A	A	A	B
Cupric Sulfate	A	A	B	C	A	A	A	A	A	A	B
Cyclohexane	X	B	X	X	X	X	A	A	A	A	X
Cyclohexanol	B	B	X	C	X	X	A	A	A	A	X
Cyclohexanone	X	X	X	X	X	C	X	A	A	A	X
Cyclopentane	A	B	X	X	X	X	A	A	A	A	X
Cyclopentanol	-	B	X	X	X	X	B	A	A	A	B
Cyclopentanone	X	X	X	X	X	X	X	A	A	A	B
D.D.T. in Kerosene	B	A	X	X	X	X	A	A	A	A	X
D.M.P. (Dimethyl Phenois)	X	X	X	X	X	X	X	A	X	X	-
Decahydronaphthalene	X	X	X	X	X	X	A	A	-	-	-
Decalin (Deklin)	X	X	X	X	X	X	A	A	A	A	C
Decane	X	B	X	X	X	X	A	A	A	A	-
Decanol	X	A	A	B	A	A	B	A	A	A	-
Decyl Alcohol	X	A	A	B	A	A	B	A	A	A	-
Decyl Aldehyde	-	X	X	X	X	-	X	A	A	A	-
Decyl Butyl Phthalate	-	X	X	X	X	-	C	A	A	A	X
Denatured Alcohol	A	A	A	A	A	A	A	A	A	A	A
Detergent Solutions	B	A	B	B	A	A	A	A	A	A	A
Diacetone Alcohol (Diacetol)	B	X	X	B	B	B	X	A	A	A	X
Diamyl Phenol	-	X	X	X	X	-	A	A	A	A	X
Diamylamine	B	B	X	B	C	A	X	A	A	A	-
Diamylene	X	C	X	X	X	X	A	A	A	A	-
Dibenzyl Ether	X	X	X	X	X	X	X	A	A	A	X
Dibenzyl Sebecate	X	X	X	X	X	B	B	A	A	A	-
Dibromobenzene	X	X	X	X	X	X	A	A	B	B	X
Dibutyl Amine	X	X	X	X	C	X	X	A	A	A	X
Dibutyl Ether	C	B	X	X	X	C	C	A	A	A	-
Dibutyl Phthalate	X	X	X	X	X	A	B	A	A	A	X
Dibutyl Sebecate	X	X	X	X	X	A	A	A	B	B	X

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Dicalcium Phosphate	A	A	X	A	A	A	A	A	A	A	-
Dichloro-Difluoro Methane	B	B	X	X	X	C	B	A	B	A	X
Dichloroacetic Acid	-	X	X	B	X	C	X	A	A	A	-
Dichlorobenzene	X	X	X	X	X	X	A	A	A	B	X
Dichloroethane	X	X	X	X	X	X	A	A	A	A	X
Dichloroethyl Ether	X	X	X	X	X	X	X	A	A	A	X
Dichloroethylene	X	X	X	X	X	X	A	A	C	X	X
Dichlorohexane	X	X	X	X	X	X	A	A	A	A	X
Dichloromethane	X	X	X	X	X	X	B	A	A	A	X
Dichloropentane	X	X	X	X	X	X	A	A	A	A	X
Dichloropropane	X	X	X	X	X	X	B	A	A	A	X
Dieldrin in Xylene	X	X	X	X	X	X	B	A	A	A	X
Dieldrin in Xylene & Water Spray	B	B	X	X	X	X	B	A	A	A	-
Diesel Oil	B	A	X	X	C	X	A	A	A	A	C
Diethanol Amine	B	B	B	B	C	A	X	A	A	A	-
Diethyl Amine	B	C	B	B	C	B	C	A	A	A	-
Diethyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Diethyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Diethyl Ether	C	B	X	X	C	X	X	A	A	A	X
Diethyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Diethyl Oxalate	X	X	X	C	X	X	C	A	A	A	X
Diethyl Phthalate	X	X	X	X	X	C	C	A	A	A	X
Diethyl Sebecate	X	X	X	X	C	B	B	A	A	A	X
Diethyl Sulfate	A	X	X	X	X	A	X	A	A	A	-
Diethyl Triamine	B	B	C	B	C	B	C	A	A	A	-
Diethylene Glycol	A	A	A	A	A	A	A	A	A	A	A
Diethylene Triamine	C	B	X	B	C	A	X	A	A	A	-
Dihydroxydiethyl Ether	B	A	A	A	A	A	A	A	A	A	-
Dihydroxyethyl Amine	B	B	B	B	C	B	C	A	A	A	-
Diisobutyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Diisobutylene	X	B	X	X	X	X	A	A	A	A	-
Diisodecyl Adipate	X	X	X	X	X	A	C	A	A	A	-
Diisodecyl Phthalate	X	X	X	X	X	A	C	A	A	A	X
Diisooctyl Adipate	X	X	X	X	X	A	C	A	A	A	-
Diisooctyl Phthalate	X	X	X	X	X	A	C	A	A	A	-
Diisopropanol Amine	X	B	B	B	C	A	C	A	A	A	-



CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Diisopropyl Amine	X	B	B	B	C	A	C	A	A	A	-
Diisopropyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Diisopropyl Ether	X	B	X	X	C	X	X	A	A	A	X
Diisopropyl Ketone	X	X	X	X	X	A	X	A	A	A	X
Dilauryl Ether	X	B	X	X	B	X	C	A	A	A	-
Dimethyl Aniline (Xylidine)	X	X	X	X	X	X	C	A	B	A	-
Dimethyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Dimethyl Carbinol	A	B	B	A	A	B	A	A	A	A	-
Dimethyl Ether	C	A	A	X	B	B	B	A	B	A	-
Dimethyl Formamide (DMF)	X	C	X	X	X	B	X	A	A	A	X
Dimethyl Ketone (Acetone)	C	X	C	B	B	A	X	A	A	A	X
Dimethyl Phenol	X	X	X	X	X	X	A	A	A	A	-
Dimethyl Phthalate	X	X	X	X	X	B	C	A	A	A	X
Dimethyl Sulfate	X	X	X	X	X	X	X	A	A	A	-
Dinitrobenzene	X	X	X	X	X	X	A	A	A	A	X
Dinitrotoluene	X	X	X	X	X	X	B	A	A	A	-
Diocyl Adipate (DOA)	X	X	X	X	X	B	C	A	A	A	X
Diocyl Amine	X	B	B	B	C	A	X	A	A	A	-
Diocyl Phthalate (DOP)	X	X	X	X	X	B	B	A	A	A	X
Diocyl Sebecate (DOS)	X	X	X	X	X	B	B	A	A	A	X
Dioxane (Dioxan)	X	X	X	X	X	B	X	A	A	A	-
Dioxolanes (Dioxolans)	X	X	X	X	X	B	X	A	A	A	-
Dipentene (Limonene)	X	C	X	X	X	X	A	A	A	A	-
Diphenyl (Biphenyl)	X	X	X	X	X	X	A	A	A	A	-
Diphenyl Oxides (Phenyl Ether)	X	X	X	X	C	X	A	A	A	A	X
Diphenyl Phthalate	-	X	X	X	X	-	C	A	A	A	X
Dipropyl Ketone	X	X	X	X	X	B	X	A	A	A	-
Dipropylamine	B	B	B	B	C	A	C	A	A	A	-
Dipropylene Glycol	A	A	A	A	A	A	A	A	A	A	-
Disodium Phosphate	A	A	A	A	A	A	A	A	A	A	A
Divinyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Dodecyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Dodecyl Toluene	X	X	X	X	X	X	A	A	A	A	-
Dow Per (Perchloroethylene)	X	C	X	X	X	X	A	A	A	A	-
Dowtherm A & E	X	X	X	X	C	X	A	A	A	A	-
Dowtherm Oil	X	X	X	X	X	X	A	A	A	A	-

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Dowtherm S.R.-1	A	A	A	A	A	A	A	A	A	A	-
Dry Cleaning Fluids	X	C	X	X	X	X	A	A	B	B	-
Epichlorohydrine	X	X	X	X	C	B	X	A	B	B	X
Ethanol (Ethyl Alcohol)	A	A	A	A	A	A	B	A	A	A	A
Ethanolamine	B	B	C	B	B	B	C	A	A	A	X
Ether	X	B	X	X	X	X	X	A	A	A	X
Ethyl Acetate (Organic Ester)	X	X	X	X	X	B	X	A	A	A	X
Ethyl Acetoacetate	X	X	X	X	X	B	X	A	A	A	X
Ethyl Acrylate	X	X	X	X	X	X	X	A	B	A	X
Ethyl Alcohol (Ethanol)	A	A	A	A	A	A	A	A	A	A	B
Ethyl Aluminum Dichloride	X	X	X	X	X	X	B	A	B	C	-
Ethyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Ethyl Benzoate	X	X	X	X	X	B	A	A	A	A	X
Ethyl Butanol	-	A	A	A	A	A	B	A	A	A	A
Ethyl Butyl Acetate	-	X	X	X	B	-	X	A	A	A	X
Ethyl Butyl Alcohol	A	A	A	A	A	A	B	A	A	A	A
Ethyl Butyl Amine	B	B	B	B	C	B	B	A	A	A	-
Ethyl Butyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Ethyl Butyraldehyde	X	X	X	X	X	-	X	A	A	A	-
Ethyl Cellulose	B	B	B	B	B	B	X	A	A	A	X
Ethyl Chloride	X	A	B	B	X	A	A	A	A	A	X
Ethyl Formate	B	X	X	X	B	B	A	A	A	A	-
Ethyl Hexanol	A	A	A	A	A	A	B	A	A	A	-
Ethyl Hexoic Acid	-	C	X	C	B	A	A	A	-	-	-
Ethyl Hexyl Acetate	-	X	X	X	B	-	X	A	A	A	-
Ethyl Hexyl Alcohol	A	A	A	A	A	A	B	A	-	-	-
Ethyl Iodide	X	X	X	X	X	C	B	A	B	C	-
Ethyl Isobutyl Ether	X	X	X	X	B	X	-	A	A	A	-
Ethyl Methyl Ketone	X	X	X	X	X	A	X	A	A	A	X
Ethyl Oxalate	X	X	X	A	X	B	A	A	A	A	-
Ethyl Phthalate	X	X	X	X	X	B	C	A	A	A	-
Ethyl Propyl Ether	X	C	X	X	B	X	C	A	A	A	-
Ethyl Propyl Ketone	X	X	X	X	X	B	X	A	A	A	-
Ethyl Silicate	A	A	B	B	B	A	A	A	A	A	-
Ethyl Sulfate	A	X	A	X	X	A	X	A	A	A	-
Ethylene	C	A	X	X	A	X	A	A	A	A	-



CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Ethylene Bromide	X	X	X	X	X	C	B	A	B	B	A
Ethylene Chloride	X	X	X	X	X	X	B	A	B	A	X
Ethylene Diamine	A	B	B	B	B	A	X	A	A	A	C
Ethylene Dibromide	X	X	X	X	X	X	A	A	C	B	X
Ethylene Dichloride	X	X	X	X	X	X	B	A	B	B	X
Ethylene Glycol	A	A	A	A	A	A	A	A	A	A	A
Ethylene Oxide	X	X	X	X	X	X	X	A	C	A	X
Ethylene Trichloride	X	X	X	X	X	X	A	A	B	X	-
Ex-Tri (Trichloroethylene)	X	X	X	X	X	X	A	A	B	X	X
Fatty Acids	B	A	X	X	C	X	A	A	A	A	A
Ferric Bromide	A	A	A	A	A	A	A	A	A	A	A
Ferric Chloride	A	A	A	A	A	A	A	A	A	A	A
Ferric Nitrate	A	A	A	A	A	A	A	A	A	A	A
Ferric Sulfate	A	A	A	A	A	A	A	A	A	A	A
Ferrous Acetate	X	X	X	X	A	B	X	A	A	A	A
Ferrous Ammonium Sulphate	A	A	A	A	A	A	A	A	A	A	-
Ferrous Chloride	B	A	A	A	A	A	A	A	A	A	A
Ferrous Hydroxide	A	A	C	C	B	A	A	A	A	A	-
Ferrous Sulfate	A	A	A	A	A	A	A	A	A	A	A
Fluorine (Liquid)	X	X	X	X	X	X	X	A	X	A	X
Fluosilicic Acid	A	A	B	A	A	A	A	A	A	A	A
Fluoboric Acid	A	A	A	A	A	A	A	A	A	A	A
Formaldehyde (Formalin)	B	B	C	B	A	A	A	A	A	A	X
Formic Acid (Formylic Acid)	B	C	B	C	A	B	C	A	B	A	X
Freon 12	B	B	X	X	X	C	B	A	B	A	X
Freon 22	B	X	X	X	A	C	X	A	A	A	X
Fuel Oil	B	A	X	X	C	X	A	A	A	A	B
Fuels - ASTM Ref: Fuel A	B	A	X	X	B	X	A	A	A	A	B
Fuels - ASTM Ref: Fuel B	X	B	X	X	X	X	A	A	A	A	X
Fuels - ASTM Ref: Fuel C	X	B	X	X	X	X	A	A	A	A	X
Fumaric Acid	B	A	B	B	B	B	A	A	A	A	-
Furan	X	X	X	X	X	X	X	A	A	A	-
Gallic Acid	B	B	B	A	B	B	A	A	A	A	A
Gasoline	B	A	X	X	X	X	A	A	A	A	X
Gasoline - 100 Octane	B	A	X	X	X	X	A	A	A	A	X
Gasoline - 40% Aromatic	B	A	X	X	X	X	A	A	A	A	X

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Gasoline - 65 Octane	B	A	X	X	X	X	A	A	A	A	X
Gelatin	A	A	A	A	A	A	A	A	A	A	A
Glacial Acetic Acid	X	X	C	C	C	B	X	A	A	A	C
Gluconic Acid	C	C	X	X	B	C	A	A	A	A	-
Glucose	A	A	A	A	A	A	A	A	A	A	A
Glue	A	A	A	B	A	B	A	A	A	A	-
Glycerine	A	A	A	A	A	A	A	A	A	A	A
Glycol	A	A	A	A	A	A	A	A	A	A	A
Grease	B	A	X	X	C	X	A	A	A	A	A
Green Sulfate Liquor	A	A	B	B	A	A	A	A	A	A	A
Halowax Oil	X	X	X	X	X	X	A	A	A	A	-
Heptachlor in Petroleum Solvents	C	C	X	X	X	X	A	A	A	A	-
Heptanal (Heptaldehyde)	-	A	X	X	X	B	X	A	A	A	-
Heptane	A	A	X	X	B	X	A	A	A	A	C
Heptane Carboxylic Acid	B	C	X	X	B	C	A	A	A	A	-
Hexaldehyde	A	X	X	X	C	A	C	A	A	A	X
Hexane	B	A	X	X	B	X	A	A	A	A	C
Hexanol (Hexyl Alcohol)	B	A	A	A	B	B	B	A	A	A	C
Hexyl Methyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Hexylamine	C	C	C	C	C	B	X	A	A	A	-
Hexylene	B	A	X	X	B	X	A	A	C	C	-
Hexylene Glycol	A	A	A	A	A	C	A	A	A	A	C
Hi-Tri (Trichloroethylene)	X	X	X	X	X	X	A	A	B	X	X
Hydraulic Fluids (Pydrauls)	X	X	X	X	X	B	A	A	A	A	X
Hydraulic Oil (Petroleum)	B	A	X	X	B	X	A	A	A	A	A
Hydrobromic Acid	C	X	X	B	A	A	A	A	A	A	-
"Hydrochloric Acid - 38%, 30.1 BE"	C	C	B	A	A	B	A	A	A	A	A
Hydrochloric Acid - 50%	X	X	C	A	B	C	A	A	A	A	A
Hydrochloric Acid - 100%	X	X	C	B	B	C	C	A	A	A	X
Hydrogen Peroxide - 10%	C	C	X	B	B	B	A	A	A	A	A
Hydrocyanic Acid	B	B	B	B	A	A	A	A	A	A	-
Hydrofluoric Acid - 10%	B	B	B	B	A	A	A	A	A	A	B
Hydrofluosilicic Acid	B	B	B	A	A	B	A	A	A	A	B
Hydrogen Dioxide - 10%	C	C	X	B	B	B	A	-	B	A	B
Hydrogen Dioxide - over 10%	X	X	X	X	C	C	A	A	-	B	B
Hydrogen Gas	A	A	B	B	A	B	A	A	A	A	A



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Hydrogen Peroxide - 3%	B	B	B	B	B	B	A	A	A	A	A
Hydrogen Peroxide - 10%	C	C	X	B	B	B	A	A	A	A	A
Hydrogen Peroxide - 30%	X	X	X	C	C	B	A	A	A	A	A
Hydrogen Peroxide - 90%	X	X	X	X	C	C	A	A	B	A	X
Hydrogen Sulfide (Wet)	A	C	X	C	A	A	A	A	A	A	A
Hydrogen Sulfide - Dry	A	A	A	A	A	A	X	A	A	A	A
Hydroquinone	X	X	X	B	C	B	B	A	A	A	A
Hypochlorous Acid	X	X	X	B	X	B	A	A	A	A	A
Iodine (Iodum)	B	-	C	X	A	-	C	A	A	A	X
Iron Acetate	X	X	X	X	A	B	X	A	A	A	A
Iron Hydroxide	A	B	C	C	B	B	C	A	A	A	A
Iron Salts	A	A	A	A	A	A	A	A	A	A	B
Iron Sulfate	A	A	A	A	A	A	A	A	A	A	B
Iron Sulfide	A	A	A	A	A	A	A	A	A	A	B
Isoamyl Acetate	X	X	X	X	C	B	X	A	A	A	X
Isoamyl Alcohol	A	A	A	A	A	A	A	A	A	A	B
Isoamyl Bromide	X	X	X	X	X	X	B	A	B	B	X
Isoamyl Butyrate	X	X	X	X	X	C	X	A	B	B	X
Isoamyl Chloride	X	X	X	X	X	X	A	A	B	B	X
Isoamyl Ether	X	C	X	X	C	X	-	A	A	A	X
Isoamyl Phthalate	X	X	X	X	X	B	C	A	A	A	X
Isobutanol	A	A	A	A	A	A	A	A	A	A	B
Isobutyl Acetate	X	X	X	X	C	C	X	A	A	A	X
Isobutyl Alcohol	A	A	A	A	A	A	A	A	A	A	B
Isobutyl Aldehyde	X	X	C	C	X	B	X	A	A	A	-
Isobutyl Amine	X	X	C	C	C	X	X	A	A	A	-
Isobutyl Bromide	X	X	X	X	X	X	B	A	B	B	-
Isobutyl Carbinol	B	A	A	A	A	A	B	A	A	A	-
Isobutyl Chloride	X	X	X	X	X	X	B	A	B	B	-
Isobutyl Ether	X	X	X	X	B	X	X	A	A	A	-
Isobutylene	X	C	X	X	X	X	A	A	A	A	-
Isooctane	B	A	X	X	B	X	A	A	A	A	C
Isophorone (Ketone)	X	X	X	X	X	C	X	A	B	B	X
Isopropanol	A	A	A	A	A	B	A	A	A	A	-
Isopropyl Acetate	X	X	X	X	X	B	X	A	A	A	X
Isopropyl Alcohol	A	B	A	A	A	B	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Isopropyl Amine	B	X	C	B	C	B	X	A	A	A	-
Isopropyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Isopropyl Chloride	X	X	X	X	X	X	B	A	B	B	-
Isopropyl Ether	C	C	X	X	C	X	C	A	A	A	A
Isopropyl Toluene	X	X	X	X	X	X	A	A	A	A	X
Isopropoanol Amine	-	B	B	B	C	-	-	A	A	A	-
Jet Fuels (JP1 to JP6) (A & A1)	C	A	X	X	C	X	A	A	A	A	X
Kerosene (Kerosine)	B	A	X	X	C	X	A	A	A	A	X
Lactic Acid	A	A	B	A	A	B	A	A	A	A	B
Laquer Solvents	X	X	X	X	X	X	X	A	A	A	X
Laquers	X	X	X	X	X	X	X	A	A	A	X
Lard	B	A	X	X	C	C	A	A	A	A	A
Lauryl Alcohol	A	A	A	A	A	A	B	A	A	A	B
Lead Acetate	C	C	X	X	A	B	X	A	A	A	A
Lead Nitrate	A	A	A	A	A	A	A	A	A	A	A
Lead Sulfamate	A	B	B	B	B	A	A	A	A	A	A
Lead Sulfate	A	B	A	A	A	A	A	A	A	A	A
Ligroin (Ligroine)	B	A	X	X	X	X	A	A	A	A	X
Lindol (Tricresyl Phosphate)	X	X	X	X	B	A	A	A	A	A	X
Linseed Oil	B	A	X	X	B	B	A	A	A	A	A
Liquid Soap	A	A	A	A	A	A	A	A	A	A	A
Lubricating Oils	B	A	X	X	C	X	A	A	A	A	A
Lye (Sodium Hydroxide)	B	B	B	A	B	B	X	A	A	A	B
Magnesium Acetate	X	X	X	X	X	B	X	A	A	A	A
Magnesium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Magnesium Chloride	A	A	A	A	A	A	A	A	A	A	A
Magnesium Hydrate	B	B	B	A	B	A	B	A	A	A	A
Magnesium Hydroxide	B	B	B	A	A	A	A	A	A	A	A
Magnesium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Magnesium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Maleic Acid	C	X	X	X	C	C	A	A	B	A	-
Maleic Anhydride	-	-	C	B	-	C	A	A	A	A	-
Malic Acid	C	B	B	A	B	X	A	A	A	A	A
Manganese Sulfate	A	A	A	B	A	A	A	A	A	A	A
Manganese Sulfide	B	A	A	C	A	B	A	A	A	A	A
Manganese Sulfite	B	A	A	C	A	B	A	A	A	A	A





CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Mercuric Chloride	B	A	A	B	A	B	A	A	A	A	B
Mercury	A	A	A	A	A	A	A	A	A	A	B
Mesityl Oxide	X	X	X	X	X	B	X	A	A	A	-
Methallyl Alcohol	-	A	A	A	A	A	B	A	A	A	B
Methanal - 40%	B	B	B	B	A	A	A	A	A	A	-
Methane	B	A	X	X	B	X	A	A	A	A	A
Methanol	A	A	A	A	A	A	X	A	A	A	B
Methyl Acetate	X	X	X	X	B	A	X	A	A	A	X
Methyl Acetoacetate	X	X	X	X	X	B	X	A	A	A	X
Methyl Acrylic Acid	B	X	X	X	-	B	B	A	A	A	-
Methyl Alcohol (Methanol)	A	A	A	A	A	A	B	A	A	A	C
Methyl Amyl Acetate	X	X	X	X	B	X	X	A	A	B	A
Methyl Amyl Alcohol	A	A	A	A	A	A	B	A	A	A	A
Methyl Amyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Methyl Amyl Ketone	X	X	X	X	X	-	X	A	A	A	X
Methyl Benzene (Toluene)	X	C	X	X	X	X	A	A	A	A	X
Methyl Bromide	X	C	X	X	X	B	A	A	A	A	X
Methyl Butanol	A	A	A	A	A	-	B	A	A	A	C
Methyl Butonone	X	X	X	X	X	B	X	A	A	A	-
Methyl Butyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methyl Carbitol	-	C	X	X	A	-	-	A	A	A	-
Methyl Cellosolve	B	C	X	X	B	B	X	A	A	A	C
Methyl Cyclohexane	X	X	X	X	X	X	B	A	B	A	-
Methyl Ethyl Ketone (M.E.K)	X	X	X	X	X	B	X	A	B	B	X
Methyl Hexanol	A	A	A	A	A	A	B	A	A	A	-
Methyl Hexanone	X	X	X	X	X	-	X	A	A	A	-
Methyl Hexyl Ketone	X	X	X	X	X	X	X	A	A	A	X
Methyl Isobutyl Carbinol	B	B	C	B	A	A	B	A	A	A	-
Methyl Isobutyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methyl Isopropyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methyl Methacrylate	X	X	X	X	B	X	X	A	B	B	-
Methyl Normal Amyl Ketone	X	X	X	X	X	-	X	A	A	A	X
Methyl Propyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Methyl Propyl Ether	X	X	X	X	B	X	X	A	A	A	-
Methyl Propyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methylacrylic Acid	B	X	X	X	C	B	B	A	A	A	-

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Methylallyl Acetate	X	X	X	X	B	A	X	A	A	A	-
Methylallyl Chloride	X	X	X	X	X	-	C	A	B	A	-
Methylene Bromide	X	X	X	X	X	X	B	A	B	B	-
M.I.B.K.	X	X	X	X	X	B	X	A	A	A	X
Methyl Formate	B	X	X	X	C	B	X	A	B	B	-
Mineral Oil	B	A	X	X	B	X	A	A	A	A	B
Mineral Spirits	C	A	X	X	X	X	A	A	A	A	C
Monochloroacetic Acid	X	X	X	B	X	X	-	A	A	A	-
Monochlorobenzene	X	X	X	X	X	X	A	A	A	A	X
Monochlorodifluoromethane	A	X	X	X	X	A	X	A	A	A	X
Monoethanolamine	C	B	B	B	B	B	X	A	A	A	-
Monoethyl Aniline	X	X	X	X	X	X	C	A	-	-	-
Monoisopropanol Amine	-	B	B	B	C	-	-	A	A	A	-
Monomethyl Ether	B	A	B	B	C	A	A	A	A	A	X
Monovinyl Acetate	X	X	X	X	C	C	C	A	A	A	-
Muriatic Acid	X	X	B	A	B	C	A	A	A	A	A
Naphtha	X	A	X	X	X	X	A	A	A	A	X
Naphthalene	X	X	X	X	X	X	A	A	A	A	C
Naphthenic Acid	X	C	X	X	X	X	A	A	A	A	-
Neat's Foot Oil	B	A	X	X	B	B	A	A	A	A	-
Neohexane	-	A	X	X	X	X	A	A	A	A	-
Neu-Tri (Trichloroethylene)	X	X	X	X	X	X	A	A	A	A	X
Nickel Acetate	B	B	X	A	X	A	X	A	A	A	-
Nickel Chloride	A	A	A	A	A	A	A	A	A	A	A
Nickel Nitrate	A	A	A	A	A	A	A	A	A	A	A
Nickel Sulfate	A	A	B	A	A	A	A	A	A	A	A
Niter Cake	A	A	A	A	A	A	A	A	A	A	C
Nitric Acid - 10% 7.5 BE	X	X	X	X	B	B	A	A	A	A	A
Nitric Acid - 25%	X	X	X	X	X	B	A	A	A	A	B
Nitric Acid - 35% 26.0 BE	X	X	X	X	X	C	B	A	C	A	B
Nitric Acid - 50%	X	X	X	X	B	X	C	A	C	A	X
Nitric Acid - 69% 42.1 BE	X	X	X	X	B	X	C	A	X	A	X
Nitric Acid - Red Fuming	X	X	X	X	X	X	X	A	X	X	X
Nitrobenzene	X	X	X	X	X	X	B	A	A	A	X
Nitrogen	A	A	A	A	A	A	A	A	A	A	A
Nitrogen Tetroxide	X	X	X	X	X	X	X	A	X	X	X



CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Nitromethane	C	X	B	B	C	B	X	A	A	A	X
Nitrous Oxide	A	A	A	A	A	A	A	A	A	A	A
Octadecanoic Acid	B	A	X	X	X	B	C	A	A	A	-
Octane	B	A	X	X	X	X	A	A	A	A	-
Octanol (Octyl Alcohol)	A	A	B	B	B	A	B	A	A	A	X
Octyl Acetate	X	X	X	X	A	B	X	A	A	A	X
Octyl Amine	B	C	C	C	C	B	X	A	A	A	-
Octyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Octylene Glycol	A	A	A	A	A	A	A	A	A	A	-
Oleic Acid	C	A	X	X	C	C	A	A	A	A	A
Oleum	X	X	X	X	X	X	X	A	X	X	X
Olive Oil	B	A	X	X	B	B	A	A	A	A	A
Orthodichlorobenzene	X	X	X	X	X	X	A	A	A	A	X
Oxalic Acid	B	C	B	C	B	A	C	A	A	A	A
Oxygen	A	B	B	B	B	B	A	A	A	A	A
Ozone	B	X	X	X	A	A	A	A	A	A	C
Paint Thinner Duco	X	X	X	X	X	X	B	A	A	A	X
Palm Oil	C	A	X	X	B	X	A	A	A	A	B
Palmitic Acid	B	A	X	X	B	B	A	A	B	A	C
Paper Makers Alum	A	A	A	A	A	A	A	A	A	A	B
Paradichlorobenzene	X	X	X	X	X	X	A	A	B	B	X
Paraffins	A	A	X	X	X	X	A	A	X	A	B
Paraformaldehyde	B	B	X	X	B	B	C	A	A	A	-
Paraldehyde	X	X	C	C	X	B	X	A	A	A	-
Paraxylene	X	C	X	X	X	X	A	A	A	A	-
Peanut Oil	B	A	X	X	B	X	A	A	A	A	-
Pentane	B	A	X	X	C	X	A	A	A	A	C
Pentanol	A	A	B	A	A	A	A	A	A	A	C
Pentanone	X	X	X	X	X	B	X	A	A	A	-
Perchloric Acid	A	X	X	B	A	B	A	A	A	A	C
Perchloroethylene	X	X	X	X	X	X	A	A	B	A	X
Petroleum - Crude	B	A	X	X	X	X	A	A	A	A	
Petroleum Ether (Ligroin)	B	A	X	X	X	X	A	A	A	A	X
Phenol (Carbolic Acid)	X	X	X	X	X	X	A	A	A	A	X
Phenyl Hydrazine	X	X	B	A	C	C	A	A	A	A	X
Phorone	X	X	X	X	X	B	X	A	A	A	-

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Phosphate Esters	X	X	X	X	X	A	C	A	A	A	-
Phosphoric Acid - 10%	B	A	A	A	A	A	A	A	A	A	A
Phosphoric Acid - 10% to 85%	B	X	X	B	B	B	A	A	A	A	A
Phosphorous Trichloride Acid	X	X	X	X	X	A	A	A	A	A	X
Pickling Solution	X	X	X	X	A	C	B	A	A	A	X
Picric Acid (Molten)	C	C	C	C	B	C	B	A	X	X	X
"Picric Acid, Water Solution"	B	B	B	A	A	B	A	A	A	A	-
Pine Oil	X	B	X	X	X	X	A	A	A	A	C
Pinene	X	B	X	X	X	X	A	A	A	A	-
Piperidine	X	X	X	X	X	X	X	A	B	B	-
Pitch	B	A	X	X	B	X	A	A	A	A	B
Plating Solutin - Cadmium	A	A	A	A	A	A	A	A	A	A	A
Plating Solution - Chrome	X	X	X	X	C	A	A	A	A	A	B
Plating Solution - Lead	B	B	-	A	-	A	A	A	A	A	A
Plating Solution - Zinc	B	B	-	B	-	A	A	A	A	A	A
Polyethylene Glycol	A	A	A	A	A	A	A	A	A	A	B
Polypropylene Glycol	A	A	A	A	A	A	A	A	A	A	C
Polyvinyl Acetate Emulsion	B	B	C	C	B	A	C	A	A	A	C
Postassium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Potassium Acetate	B	B	X	X	B	A	X	A	A	A	A
Potassium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A
Potassium Bisulfite	A	A	A	A	A	A	A	A	A	A	A
Potassium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Potassium Chlorate	A	A	A	A	A	A	A	A	A	A	A
Potassium Chloride	A	A	X	A	A	A	A	A	A	A	A
Potassium Chromate	A	A	B	B	C	B	A	A	B	B	B
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate	A	A	X	X	B	A	A	A	A	A	A
Potassium Hydrate	B	B	B	B	A	B	C	A	A	A	A
Potassium Hydroxide	B	B	B	B	A	B	C	A	A	A	-
Potassium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Potassium Permanganate	A	B	A	A	B	A	A	A	A	A	X
Potassium Silicate	A	A	A	A	A	A	A	A	A	A	B
Potassium Sulfide	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulfite	A	A	A	A	A	A	A	A	A	A	A
Producer Gas	B	A	X	X	B	X	A	A	A	A	A



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Propane	USE BUTANE PROPANE HOSE ONLY										
Propanediol	B	A	A	A	A	A	A	A	A	A	B
Propanol	A	A	A	A	A	A	A	A	A	A	A
Propyl Acetate	X	X	X	X	X	B	X	A	A	A	X
Propyl Alcohol (Propanol)	A	B	A	A	A	A	A	A	A	A	A
Propyl Aldehyde	X	X	C	X	X	B	X	A	A	A	A
Propyl Chloride	C	X	X	X	X	C	B	A	B	B	-
Propylene Diamine	B	B	B	B	C	B	C	A	A	A	-
Propylene Dichloride	X	X	X	X	X	X	B	A	B	B	X
Propylene Glycol	B	A	A	A	A	A	A	A	A	A	C
Pyranol (Transformer Oil)	B	A	X	X	X	X	A	A	A	A	-
Pyridine	X	X	X	X	X	B	X	A	A	A	X
Pyroligneous Acid	X	X	X	X	B	B	X	A	A	A	-
Pyrrole	X	X	C	C	X	X	X	A	A	A	-
Rapeseed Oil	B	B	X	X	B	A	A	A	A	A	-
Red Oil (Crude Oleic Acid)	B	A	X	X	B	B	A	A	A	A	X
Rosin Oil	A	A	X	X	B	X	A	A	A	A	-
Sal Ammoniac	A	A	A	A	A	A	A	A	A	A	A
Salicylic Acid	X	B	A	A	A	A	A	A	A	A	B
Salt Water	A	A	A	A	A	A	A	A	A	A	A
Sewage	B	A	C	C	A	B	A	A	A	A	A
Silicate Esters	A	B	X	X	B	X	A	A	A	A	X
Silicone Greases	A	A	A	A	A	A	A	A	A	A	B
Silicone Oils	A	A	C	C	A	A	A	A	A	A	B
Sillicate of Soda	A	A	A	A	A	A	A	A	A	A	-
Silver Nitrate	A	B	A	A	A	A	A	A	A	A	A
Soap Solutions	B	A	B	B	A	A	A	A	A	A	A
Soda - Caustic	A	B	B	A	A	A	X	A	A	A	A
Soda - Lime	A	B	B	A	B	A	B	A	A	A	A
Soda - Niter	B	B	B	B	A	A	A	A	A	A	A
Soda Ash	A	A	A	A	A	A	A	A	A	A	A
Sodium Acetate	B	X	X	X	B	A	X	A	A	A	A
Sodium Aluminate	A	A	A	A	A	A	A	A	A	A	A
Sodium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A
Sodium Bisulfite	A	A	A	A	A	A	A	A	A	A	A
Sodium Borate	A	A	A	A	A	A	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Sodium Carbonate (Soda Ash)	A	A	A	A	A	A	A	A	A	A	A
Sodium Chloride	A	A	A	A	A	A	A	A	A	A	A
Sodium Chromate	A	A	B	B	C	B	A	A	B	B	B
Sodium Cyanide	A	A	A	A	A	A	A	A	A	A	A
Sodium Dichromate	A	A	X	X	B	A	A	A	A	A	A
Sodium Fluoride	A	A	A	A	A	A	A	A	A	A	X
Sodium Hydrate	B	B	B	A	B	A	B	A	A	A	B
Sodium Hydrochlorite	C	C	B	C	A	B	A	A	B	B	B
Sodium Hydroxide	A	B	A	A	B	A	B	A	A	A	B
Sodium Hypochlorite	X	X	X	X	C	B	B	A	B	C	A
Sodium Metaphosphate	B	A	A	A	B	A	A	A	A	A	B
Sodium Nitrate	B	B	B	B	A	A	A	A	A	A	A
Sodium Nitrite	A	A	B	B	A	A	A	A	A	A	A
Sodium Perborate	B	B	B	B	B	A	A	A	A	A	A
Sodium Peroxide	B	B	B	B	B	A	A	A	B	A	X
Sodium Phosphates	A	A	A	A	A	A	A	A	A	A	A
Sodium Silicates	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulfates	A	A	B	A	A	A	A	A	A	A	A
Sodium Sulfide	A	A	B	A	A	A	A	A	A	A	A
Sodium Sulfites	A	A	B	A	A	A	A	A	A	A	A
Sodium Thiosulfate	A	A	B	A	A	A	A	A	A	A	A
Soybean Oil	A	A	X	X	A	X	A	A	A	A	A
Stannic Chloride	A	A	A	A	A	A	A	A	A	A	A
Stannic Sulfide	A	A	A	A	A	A	A	A	A	A	B
Stannous Chloride	A	A	A	A	A	B	A	A	A	A	A
Stannous Sulfide	A	A	A	A	A	A	A	A	A	A	B
Stearic Acid	B	A	B	X	C	B	A	A	A	A	B
Stoddard Solvent	C	A	X	X	X	X	A	A	A	A	C
Styrene	X	X	X	X	X	X	B	A	B	B	X
Sucrose Solution	A	A	A	A	A	A	A	A	A	A	A
Sulfamic Acid	B	B	C	B	B	B	A	A	A	A	-
Sulfite Cellulose Liquors	A	A	B	B	A	B	A	A	A	A	-
Sulfonic Acid	X	X	X	X	C	X	X	A	B	B	B
Sulfur Chloride	X	X	X	X	B	X	A	A	B	A	C
Sulfur Dioxide	B	X	C	C	B	B	A	A	A	A	X
Sulfur Hexafluoride	A	B	X	X	A	A	A	A	A	A	B



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Sulfur Trioxide (Dry)	X	X	X	X	X	C	A	A	B	A	A
Sulfuric Acid - 25%	A	B	B	B	A	A	A	A	A	A	A
Sulfuric Acid - 25% to 50%	B	C	X	B	B	B	A	A	A	A	A
Sulfuric Acid - 50% to 96%	C	X	X	X	B	B	A	A	A	A	X
Sulfuric Acid - Fuming	X	X	X	X	X	X	X	A	X	X	X
Sulfuric Acid - Oleum	X	X	X	X	X	X	X	A	X	X	X
Sulfurous Acid	B	C	C	B	A	B	A	A	A	A	X
Tall Oil	B	A	X	X	C	X	A	A	A	A	X
Tallow	B	A	X	X	C	X	A	A	A	A	B
Tannin (Tannic Acid)	A	A	B	A	A	A	A	A	A	A	A
“Tar, Bituminous”	C	B	X	X	A	X	A	A	X	X	X
Tartaric Acid	A	A	B	A	A	B	A	A	A	A	A
Terpineol (Terpilenol)	X	C	X	X	X	C	A	A	B	B	-
Tertiary Butyl Alcohol	A	A	A	A	A	A	A	A	A	A	A
Tetrachlorobenzene	X	X	X	X	X	X	B	A	B	B	X
Tetrachloroethane	X	X	X	X	X	X	A	A	C	A	X
Tetrachloroethylene	X	X	X	X	X	X	A	A	B	A	X
Tetrachloromethane	X	C	X	X	X	X	A	A	C	A	-
Tetrachloronaphthalene	X	X	X	X	X	X	B	A	B	B	X
Tetradecanol	-	A	A	A	A	A	B	A	A	A	-
Tetraethyl Lead	X	B	X	X	X	X	A	A	A	A	B
Tetraethylene Glycol	A	A	A	A	A	A	A	A	A	A	X
Tetrahydrofuran (THF)	X	X	X	X	X	X	X	A	A	A	X
Tin Chlorides	A	A	A	A	A	A	A	A	A	A	A
Tin Tetrachloride	A	A	A	A	A	A	A	A	A	A	A
Titanium Tetrachloride	X	C	X	X	X	X	A	A	A	A	X
Toluene (Toluol)	X	X	X	X	X	X	A	A	A	A	X
Toluene Diisocyanate (TDI)	X	X	X	C	X	A	B	A	A	A	X
Transmission Fluid Type A	C	B	X	X	X	X	A	A	A	A	X
Triacetin	B	B	C	B	B	A	X	A	A	A	-
Tributyl Amine	B	B	B	B	C	A	X	A	A	A	-
Tributyl Phosphate	X	X	X	X	X	C	X	A	A	A	X
Trichlorobenzenes	X	X	X	X	X	X	B	A	B	B	X
Trichloroethane	X	X	X	X	X	X	A	A	A	A	X
Trichloroethylene	X	X	X	X	X	X	A	A	A	C	X
Trichloropropane	X	X	X	X	X	X	A	A	A	A	-





# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Tricresyl Phosphate (TCP)	C	X	X	C	C	A	B	A	A	A	X
Tridecanol (Tridecyl Alcohol)	-	A	A	A	A	A	B	A	A	A	A
Triethanol Amine (TEA)	A	B	B	B	A	B	B	A	A	A	C
Triethyl Amine	B	A	B	B	A	B	B	A	A	A	B
Triethylene Glycol	A	A	A	A	A	A	A	A	A	A	A
Trinitrotoluene (Trinitrotoluol)	B	X	X	X	B	X	A	A	X	-	-
Triphenyl Phosphate	C	X	X	X	C	B	C	A	A	A	-
Trisodium Phosphate	A	A	A	A	A	A	A	A	A	A	A
Tung Oil	B	A	X	X	B	X	B	A	A	A	-
Turbine Oil	B	B	X	X	B	X	A	A	A	A	-
Turpentine	X	B	X	X	X	X	A	A	A	A	C
Two Four D With 10% Fuel Oil	A	A	X	X	X	X	A	A	A	A	-
U.D.M.H	B	B	X	A	A	A	X	A	C	C	-
Ucon Hydrolube Oils	B	A	X	X	X	A	B	A	A	A	B
Undecanol	A	A	A	A	A	A	B	A	A	A	A
Unsymmetrical Dimethyl Hydrazine	B	B	X	A	A	A	X	A	C	C	-
Uran	B	B	C	B	B	B	C	A	A	A	-
Urea	B	B	C	A	A	A	A	A	A	A	A
"V.M. & P, Naphtha"	B	A	X	X	X	X	A	A	A	A	X
Varnish	X	B	X	X	X	X	A	A	A	A	X
Vegetable Oils	B	A	X	X	B	A	A	A	A	A	B
Versilube	A	A	A	A	A	A	A	A	A	A	-
Vinegar	B	B	B	B	A	A	A	A	A	A	X
Vinyl Acetate	X	X	X	X	C	B	A	A	B	X	X
Vinyl Benzene	X	X	X	X	X	X	A	A	B	A	X
Vinyl Chloride	X	X	X	C	X	C	A	A	A	A	X
Vinyl Ether	X	B	X	X	B	X	X	A	A	A	X
Vinyl Toluene	X	X	X	X	X	X	A	A	A	A	X
Vinyl Trichloride	X	X	X	X	X	X	A	A	A	A	X
Water-Fresh	A	A	A	A	A	A	A	A	A	A	A
"Water, Salt"	A	A	A	A	A	A	A	A	A	A	A
White Liquor	A	A	A	A	A	A	A	A	A	A	A
White Oil	B	A	X	X	X	X	A	A	A	A	-
Wood Alcohol (Methanol)	A	A	A	A	A	A	X	A	A	A	
CXylene (Xylol)	X	X	X	X	X	X	A	A	A	X	X
Xylidine	X	X	X	X	X	X	C	A	B	B	X



CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Zeolites	A	A	A	A	A	A	A	A	A	A	-
Zinc Acetate	B	B	X	A	C	A	X	A	A	A	-
Zinc Carbonate	A	A	A	A	A	A	A	A	A	A	B
Zinc Chloride	A	A	A	A	A	A	A	A	A	A	B
Zinc Chromate	A	A	C	A	C	A	A	A	B	A	B
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	B



# Food Handling Hose



WF

## FOOD MAXX

### Application:

For handling most liquid food products including fats and oils without imparting taste, odour, or smell. Suitable for full vacuum service.

### Construction:

Tube - White nitrile, non-toxic, FDA approved  
 Reinforcement - A steel helix embedded between layers of synthetic cords  
 Cover - Grey nitrile rubber  
 Branding - Red Stripe "FOOD MAXX FDA FOOD SUCTION HOSE - 250 PSI"

### Temperature Range:

-35°C to +93°C (-31°F to +200°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
WF-1.5	1-1/2	2.00	12	250	1.25
WF-2	2	2.60	16	250	1.86
WF-2.5	2-1/2	3.10	20	250	2.41
WF-3	3	3.60	24	250	2.83
WF-4	4	4.70	32	250	4.10



MH

## PVC MILK

### Application:

Designed to handle milk in all applications from pick-up to processing plant. This hose is extremely flexible. Suitable for full vacuum. Meets FDA and 3A requirements

### Construction:

Tube - Smooth, clear FDA and 3A approved PVC  
 Reinforcement - PVC helix FDA and 3A approved  
 Cover - Smooth, clear FDA and 3A approved PVC

### Temperature Range:

-25°C to +70°C (-13°F to +158°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
MH-1.5	1-1/2	1.82	2.0	66	0.44
MH-2	2	2.39	2.5	66	0.74





BREW

## BREWERS AND BEVERAGE DISCHARGE

### Application:

For handling beer, wine, and fruit juice where taste, odour, and smell must not be affected. The extremely smooth tube resists the collection of bacteria. For dairy specific applications see Milk Hose.

### Construction:

Tube - Taste free, FDA approved synthetic rubber (not oil resistant)  
 Reinforcement - Multiple spirals of synthetic yarn  
 Cover - Red abrasion resistant rubber  
 Branding - Solid Yellow Stripe

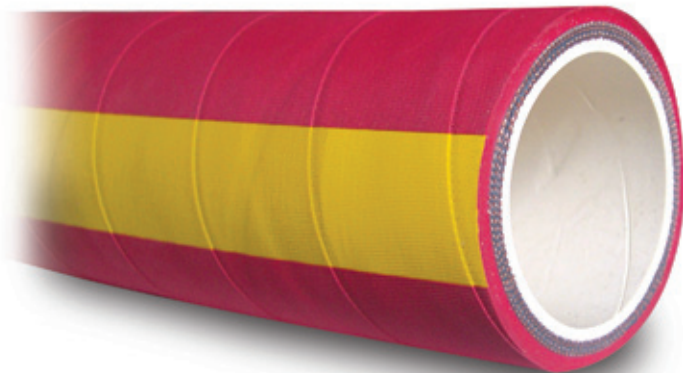
### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
BREW-.75	3/4	1.28	400	0.52
BREW-1	1	1.57	400	0.62
BREW-1.25	1-1/4	1.85	400	0.84
BREW-1.5	1-1/2	2.19	400	1.18
BREW-2-4	2 x 4 ply	2.72	300	1.57
BREW-2-6	2 x 6 ply	2.94	350	2.17
BREW-2.5	2-1/2	3.46	350	2.88
BREW-3	3	4.15	250	4.19



BBS

## BREWERS AND BEVERAGE SUCTION

### Application:

For handling beer, wine, and fruit juice where taste, odour and smell must not be affected. The extremely smooth tube resists the collection of bacteria. Facilitates easy cleaning. For dairy specific applications see Milk Hose.

### Construction:

Tube - Taste free, FDA approved synthetic rubber (not oil resistant)  
 Reinforcement - A high tensile steel wire helix and textile cords  
 Cover - Red abrasion resistant rubber  
 Branding - Solid Yellow Stripe

### Temperature Range:

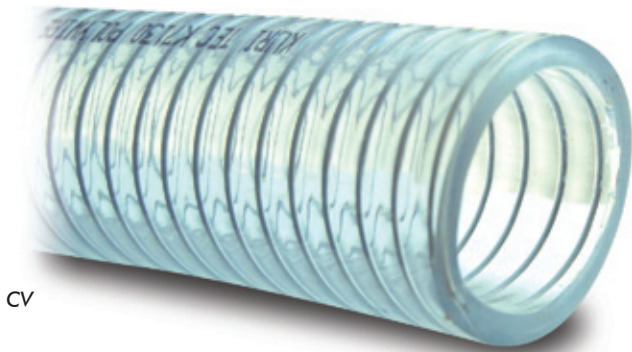
-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

25ft / 50ft / 75ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
BBS-1.5	1-1/2	2.08	9	250	1.27
BBS-2	2	2.68	14	200	1.79

# Food Handling Hose



CV

## POLYWIRE VACUUM / TRANSFER

### Application:

Where full vacuum and a clear non-collapsible hose is required. Can be used for milk, beverages and pharmaceuticals. This product complies with all applicable FDA, 3A, NSF-51 and NSF-61 requirements.

### Construction:

Tube - Crystal clear PVC compounded from non-toxic ingredients in compliance with applicable FDA, 3A, NSF-51 and NSF-61 requirements

Reinforcement - Spring steel wire helix

Cover - Crystal clear PVC compounded from non-toxic ingredients in compliance with applicable FDA, 3A, NSF-51 and NSF-61 requirements

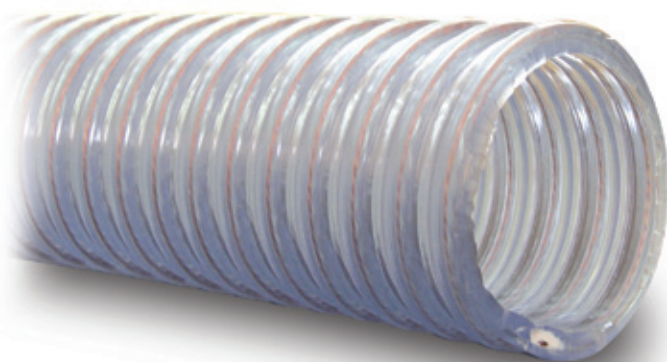
### Temperature Range:

-4°C to +65°C ( +25°F to +150°F)

### Standard Lengths:

1/4" to 1"                      50ft / 100ft  
1-1/4" to 2"                    50ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CV-.25	1/4	0.50	1.0	250	0.10
CV-.375	3/8	0.63	1.5	150	0.13
CV-.5	1/2	0.81	2.0	150	0.21
CV-.625	5/8	1.00	2.5	150	0.30
CV-.75	3/4	1.13	3.0	150	0.36
CV-1	1	1.38	4.0	100	0.44
CV-1.25	1-1/4	1.75	5.0	100	0.37
CV-1.5	1-1/2	2.00	6.0	100	0.42
CV-2	2	2.50	8.0	100	0.56



CFS

## PVC FOOD SUCTION WITH STATIC WIRE

### Application:

Pneumatic conveying systems for powder or granular materials. Static wire for grounding. Paper mill vacuum lines. (For pneumatic system dry material transfer only.)

### Construction:

Tube - Crystal clear PVC compounded from non-toxic ingredients in compliance with applicable FDA requirements. Smooth bore to eliminate material build-up

Reinforcement - Clear PVC Helix and static wire for grounding

Cover - Food grade crystal clear PVC with corrugated cover

### Temperature Range:

Static -20°C to 66°C (-4°F to 150°F)

Dynamic -10°C to 40°C (14°F to 104°F)

### Standard Lengths:

1-1/2" to 4"                      100ft  
5" to 6"                            20ft  
45MM                                60ft  
57MM                                100ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CFS-1.5	1-1/2	1.92	3	50	0.43
CFS-2	2	2.48	4	40	0.58
CFS-2.5	2-1/2	2.80	5	40	0.89
CFS-3	3	3.64	6	40	1.25
CFS-4	4	4.27	10	35	1.93
CFS-5	5	5.74	16	30	2.40
CFS-6	6	6.81	18	30	3.70
CFS-45MM	45mm	2.20	4	45	0.46
CFS-57MM	57mm	2.76	4.5	40	0.64





## PVC FOOD SUCTION & DISCHARGE

### Application:

Can be used for any liquids or dry materials for human consumption. Suitable for full vacuum. Complies with all applicable FDA and 3A requirements.

### Construction:

Tube - Crystal clear PVC compounded from non-toxic ingredients in compliance with applicable FDA

Reinforcement - Clear PVC Helix for suction applications

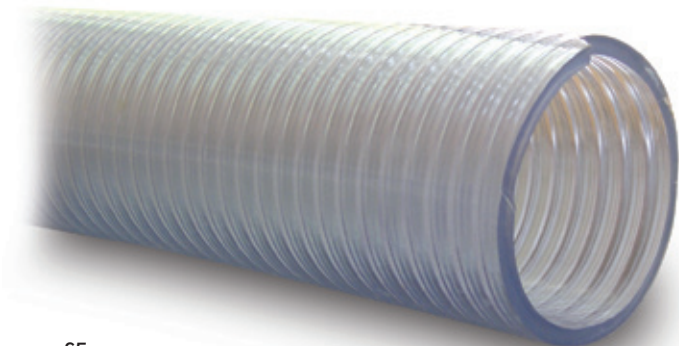
Cover - Food grade crystal clear PVC with smooth cover (SF) or corrugated cover (CF)

### Temperature Range:

-20°C to +70°C (-4°F to +158°F)

### Standard Lengths:

Smooth: 3/4" to 4"	100ft
Smooth: 5" to 6"	20ft
Corrugated: 1" to 6"	100ft cut to multiples of 5ft no charge
Corrugated: 45MM & 57 MM	50ft cut to multiples of 5ft no charge



SF

### Smooth Cover Clear Helix:

Parts No.	I.D. Inches	O.D. Inches	W.P. Max PSI	Bend Radius Inches	Approx. Wt. Per. Ft. Lbs.
SF-.75	3/4	0.94	86	3	0.16
SF-1	1	1.28	86	3	0.26
SF-1.25	1-1/4	1.56	79	4	0.37
SF-1.5	1-1/2	1.80	72	6	0.44
SF-2	2	2.36	72	8	0.74
SF-2.5	2-1/2	2.88	72	10	1.01
SF-3	3	3.42	62	11	1.21
SF-4	4	4.51	55	18	2.01
SF-5	5	5.51	40	28	2.41
SF-6	6	6.59	30	48	3.28



CF

### Corrugated Cover Clear Helix:

Parts No.	I.D. Inches	O.D. Inches	W.P. Max PSI	Bend Radius Inches	Approx. Wt. Per. Ft. Lbs.
CF-1	1	1.30	55	2	0.21
CF-1.25	1-1/4	1.60	50	2	0.28
CF-1.5	1-1/2	1.92	50	3	0.35
CF-2	2	2.40	40	4	0.56
CF-2.5	2-1/2	2.74	40	5	0.77
CF-3	3	3.64	40	6	1.10
CF-4	4	4.72	35	10	1.80
CF-6	6	6.91	30	18	3.70
CF-45MM	45mm	2.09	45	4	0.44
CF-57MM	57mm	2.68	40	4.5	0.64

# Food Handling Hose



PVCTUB

## CLEAR PVC TUBING - FOOD GRADE

### Application:

For handling beverages, food stuffs and liquids where clarity, flexibility and a food grade compound are required. This product complies with all applicable FDA, 3A, NSF-51 and NSF-61 requirements.

### Construction:

Tube - Crystal clear non-toxic, odourless and taste free PVC compound manufactured in compliance with applicable FDA, 3A, NSF-51 and NSF-61 requirements

Cover - Food grade crystal clear PVC

### Temperature Range:

-4°C to +65°C (+25°F to +150°F)

### Standard Lengths:

1/8" to 1"                    100ft  
1-1/4" to 2"                50ft

Parts No.	I.D. Inches	O.D. Inches	Wall Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PVCTUB-.125	1/8	1/4	1/16	65	.020
PVCTUB-.188-.25	3/16	1/4	1/32	50	.012
PVCTUB-.188	3/16	5/16	1/16	55	.027
PVCTUB-.25-.375	1/4	3/8	1/16	55	.034
PVCTUB-.25-5	1/4	1/2	1/8	60	.080
PVCTUB-.313	5/16	7/16	1/16	50	.040
PVCTUB-.375-.5	3/8	1/2	1/16	45	.047
PVCTUB-.375-.625	3/8	5/8	1/8	55	.107
PVCTUB-.5-.625	1/2	5/8	1/8	30	.060
PVCTUB-.5-.75	1/2	3/4	1/8	45	.134
PVCTUB-.625-.75	5/8	3/4	1/16	30	.082
PVCTUB-.625	5/8	7/8	1/8	40	.161
PVCTUB-.75	3/4	1	1/8	35	.188
PVCTUB-.875	7/8	1-1/8	1/8	30	.214
PVCTUB-1	1	1-1/4	1/8	25	.241
PVCTUB-1-1.5	1	1-1/2	1/4	35	.536
PVCTUB-1.25	1-1/4	1-1/2	1/8	20	.296
PVCTUB-1.5	1-1/2	1-7/8	3/16	30	.542
PVCTUB-1.5-2	1-1/2	2	1/4	35	.750
PVCTUB-2	2	2-1/2	1/4	35	.964



POLY

## POLYETHYLENE TUBING - FOOD GRADE

### Application:

Used as instrumentation tubing and as transmission lines for air, liquids and gases. Non corrosive, odourless and tasteless. Milky white colour. Food grade.

### Construction:

Low density extruded polyethylene tubing is manufactured from top quality virgin resins, is free from impurities and offers excellent resistance to stress cracking. Food grade.

### Temperature Range:

-45°C to +60°C (-50°F to +140°F)

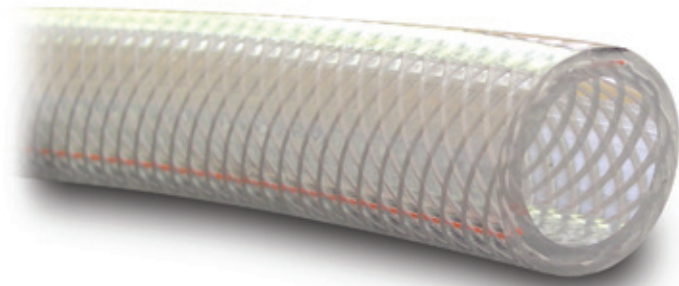
Parts No.	I.D. Inches	O.D. Inches	Wall Inches	STD Lengths FT.	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
POLY-.125	1/8	1/4	0.062	2000	150	0.015
POLY-.170	.170	1/4	0.040	2000	140	0.011
POLY-.188	3/16	5/16	0.062	1500	150	0.020
POLY-.25	1/4	3/8	0.062	1000	125	0.025
POLY-.375	3/8	1/2	0.062	500	100	0.035
POLY-.5	1/2	5/8	0.062	500	75	0.045





# Food Handling Hose

Food Handling Hose



CRF

## CLEAR REINFORCED PVC FOOD GRADE

### Application:

Air, drinking water, mild chemicals and alkalis. This product complies with all applicable FDA, 3A, NSF-51 and NSF-61 requirements.

### Construction:

Tube - Clear smooth PVC. NSF-51 & NSF-61 certified material  
 Reinforcement - High tensile synthetic braid  
 Cover - Clear smooth PVC. NSF-51 & NSF-61 certified material

### Temperature Range:

-4°C to +65°C (+25°F to +150°F)

### Standard Lengths:

3/16", 5/16"	100ft / 300ft Coils
1/4", 3/8", 1/2"	50ft / 100ft / 300ft Coils & 500ft Reels
5/8"	100ft / 200ft / 300ft Coils
3/4"	50ft / 100ft / 200ft Coils & 500ft Reels
1"	50ft / 100ft / 200ft Coils & 300ft Reels
1-1/4", 1-1/2", 2"	50ft / 100ft Coils

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CRF-.188	3/16	.375	250	0.04
CRF-.25	1/4	.438	250	0.06
CRF-.313	5/16	.531	250	0.08
CRF-.375	3/8	.594	225	0.09
CRF-.5	1/2	.750	200	0.13
CRF-.625	5/8	.891	200	0.18
CRF-.75	3/4	1.031	150	0.22
CRF-1	1	1.300	125	0.30
CRF-1.25	1-1/4	1.620	100	0.45
CRF-1.5	1-1/2	1.938	100	0.64
CRF-2	2	2.490	75	0.94

## CHALLENGER CLEAR REINFORCED PVC

### Application:

An industrial grade clear reinforced PVC hose designed for various air and water applications. The transparent construction allows for visual detection of blockages and flow. Made from FDA approved ingredients.

### Construction:

Tube - Clear smooth PVC  
 Reinforcement - High tensile synthetic braid  
 Cover - Clear smooth PVC

### Temperature Range:

-4°C to +65°C (+25°F to +150°F)

### Standard Lengths:

1/4"	300ft coils
3/8"	300ft coils or 500ft reels
1/2"	300ft coils
3/4"	300ft coils
1"	200ft coils
1-1/4", 1-1/2", 2"	100ft coils

Full coils / reels only.

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CHAL-CRF-.25	1/4	.437	225	0.06
CHAL-CRF-.375	3/8	.590	225	0.09
CHAL-CRF-.375-500R	3/8	.590	225	0.09
CHAL-CRF-.5	1/2	.750	150	0.13
CHAL-CRF-.75	3/4	1.02	150	0.22
CHAL-CRF-1	1	1.30	115	0.30
CHAL-CRF-1.25	1-1/4	1.615	150	0.45
CHAL-CRF-1.5	1-1/2	1.968	150	0.65
CHAL-CRF-2	2	2.441	150	0.86



# Garage Exhaust Hose



FLT

## FLARELOCK HOSE

### Product Information:

A crush resistant heavy duty exhaust hose made of specially compound rubber to resist heat, aging, gasoline, exhaust fumes and oil. Individual lengths are easily interconnected. When using on vehicles with catalytic mufflers, temperatures can be as high as 600°F. In these applications, use metal transitions to lower exhaust temperatures to acceptable levels.

### Standard Lengths:

2" to 4" 11ft

Parts No.	I.D. Inches	Heat Resistance	Approx. Wt. Per. Length Lbs.
FLT200	2	400°F (600°F Intermittent)	6.2
FLT250	2-1/2	400°F (600°F Intermittent)	7.0
FLT300	3	400°F (600°F Intermittent)	9.4
FLT400	4	400°F (600°F Intermittent)	16.0

\* This hose is to be used only when there is no load on engine.



ACT

## ACT HOSE

### Product Information:

Designed use with larger gas vehicles and diesel trucks. Act hose is formulated from same high temperature rubber as Flarelock hose. The main difference being, a splice connector must be used when joining two lengths of Act hose together.

### Standard Lengths:

5" to 6" 11ft

Parts No.	I.D. Inches	Heat Resistance	Approx. Wt. Per. Length Lbs.
ACT500	5	400°F (600°F Intermittent)	24.53
ACT600	6	400°F (600°F Intermittent)	25.96

## GARAGE EXHAUST ACCESSORIES



### DOOR PORTS

Aluminum door port allows hose to be vented through the door.

#### Part Number:

ADF30



### Y ADAPTER - REGULAR

Rubber - allows for three 2-1/2" hose lengths to be joined together.

#### Part Number:

RY25



### Y ADAPTER

Rubber - allows for three 3" hose lengths to be joined together.

#### Part Number:

RY30



### UNIVERSAL ADAPTERS

Rubber - easily adjusts with special fastener to fit tailpipes of most cars.

#### Part Number:

RA250

RA300



### DIESEL ELBOW ADAPTER

Aluminum - for diesel stacks. 4" connections on each end.

#### Part Number:

AEL40

## ADDITIONAL EXHAUST ACCESSORIES



### RUBBER ELBOW ADAPTER

Rubber elbow connects two hoses for overhead pulley systems. 3" connection on each end.

**Part Number:**

EB30



### TAILPIPE ADAPTER

This adapter will fit a tailpipe up to 3". Fits hoses sized 3" and 4". Comes with hook and chain.

**Part Number:**

F350



### DUAL TAILPIPE ADAPTER

This adapter is designed for use on cars and small trucks equipped with side-by-side dual exhaust pipes. Fits tailpipe style twin up to 2" and tailpipe size oval 2-1/2" to 5-1/2" and with 3" I.D. and 4" I.D. hose.

**Part Number:**

F475



### DUAL TAILPIPE ADAPTER FOR LARGE TAILPIPES

This adapter is designed to thread over 3" hose and thread into 4" hose. To be used with oversized tailpipe sections from 3-1/2" to 8-1/2" oval.

**Part Number:**

F575



### DIESEL STACK

This adapter will fit most diesel stacks and is designed for use with a 5" ID exhaust hose. A cross bolt prohibits the adapter from wedging on, or sliding down the stack.

**Part Number:**

DSR600

# General Purpose Hose

General Purpose Hose

## EPDM MULTI-PURPOSE HOSE

### Application:

For air, water, agricultural spray solutions and other dilute chemicals. Good resistance to methyl ethyl ketone. Excellent resistance to heat, weathering and vegetable oils.

### Construction:

Tube - Black EPDM oil mist resistant  
Reinforcement - Layers of high tensile polyester yarn  
Cover - Smooth red abrasion resistant EPDM

### Temperature Range:

-40°C to +93°C (-40°F to +200°F)

### Standard Lengths:

3/16" - 1" 25ft multiples & 700ft reels  
1-1/4" 25ft multiples & 550ft reels  
1-1/2" 25ft multiples & 400ft reels  
2" 25ft multiples & 300ft reels



EPDM

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
EPDM-.25-200	1/4	0.50	200	0.09
EPDM-.25-250	1/4	0.61	250	0.12
EPDM-.313-200	5/16	0.59	200	0.12
EPDM-.313-300	5/16	0.63	300	0.14
EPDM-.375-150	3/8	0.69	150	0.16
EPDM-.375-250	3/8	0.70	250	0.17
EPDM-.5-150	1/2	0.81	150	0.20
EPDM-.5-250	1/2	0.88	250	0.25
EPDM-.625-300	5/8	1.00	300	0.30
EPDM-.75-150	3/4	1.13	150	0.34
EPDM-.75-250	3/4	1.16	250	0.38
EPDM-1-200	1	1.37	200	0.51
EPDM-1.25-200	1-1/4	1.78	200	0.81
EPDM-1.5-200	1-1/2	2.03	200	0.95
EPDM-2-200	2	2.50	200	1.13

## MULTI-PURPOSE - MEDIUM OIL RESISTANT (NON-CONDUCTIVE)

### Application:

This hose is non-conductive and has a medium oil resistance. The construction of this hose makes it durable, flexible and hard to kink. Ideal hose for use in mining, steel and petroleum applications.

### Construction:

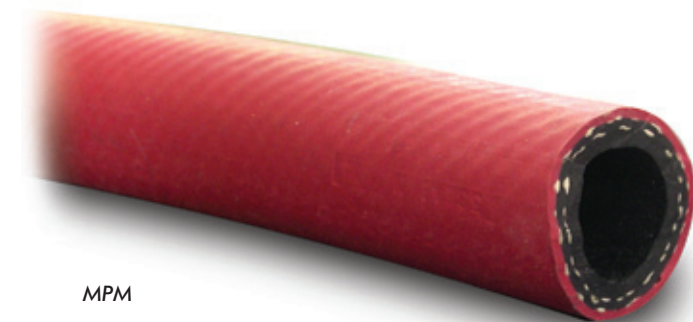
Tube - Black nitrile tube, Class A  
Reinforcement - Spirals of synthetic yarn  
Cover - Red medium oil resistant nitrile blend, Class B

### Temperature Range:

-29°C to +82°C (-20°F to +180°F)

### Standard Lengths:

1/4" - 1" 25ft multiples & 700ft reels  
1-1/4" 25ft multiples & 550ft reels  
1-1/2" 25ft multiples & 400ft reels



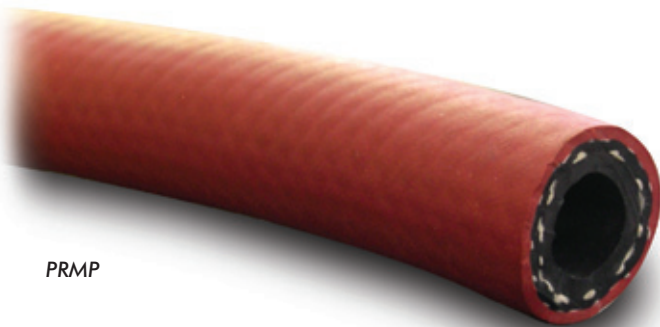
MPM

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
MPM-.25-250	1/4	0.50	250	0.08
MPM-.375-250	3/8	0.72	250	0.17
MPM-.5-250	1/2	0.88	250	0.24
MPM-.75-250	3/4	1.16	250	0.36
MPM-1-250	1	1.44	250	0.49





# General Purpose Hose



PRMP

## PREMIUM MULTI-PURPOSE (VERSICON) HIGH OIL RESISTANT (NON-CONDUCTIVE)

### Application:

A premium quality long length hose for oil based sprays, gasoline, lubricating oils, air, and some chemicals. This hose is non-conductive.

### Construction:

Tube - Black oil resistance nitrile, Class A

Reinforcement - Spiraled synthetic yarn

Cover - Red PVC/nitrile - oil, grease, weather and abrasion resistant, Class A

### Temperature Range:

-29°C to +82°C (-20°F to +180°F)

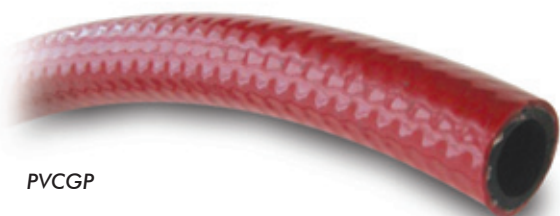
### Standard Lengths:

1/4" - 1" 25ft multiples & 700ft reels

1-1/4" 25ft multiples & 550ft reels

1-1/2" 25ft multiples & 400ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PRMP-.25-300	1/4	0.63	300	0.16
PRMP-.375-300	3/8	0.72	300	0.18
PRMP-.5-300	1/2	0.88	300	0.25
PRMP-.75-300	3/4	1.16	300	0.42
PRMP-1-300	1	1.50	300	0.63
PRMP-1.25-250	1-1/4	1.78	250	0.82
PRMP-1.5-250	1-1/2	2.03	250	0.95



PVCGP

## PVC GENERAL PURPOSE

### Application:

A moderately priced general purpose PVC hose for handling air, water, oil, chemicals, insecticides and fungicides. Good abrasion resistance.

### Construction:

Tube - Smooth black PVC blend

Reinforcement - Two layers of synthetic yarn

Cover - Smooth red weather & abrasion resistant PVC blend

### Temperature Range:

-5°C to +65°C (-25°F to +150°F)

### Standard Lengths:

1/4" - 1/2" 25ft multiples & 500ft reels

3/4" 25t multiples & 300ft reels

1" 25ft multiples & 300ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PVCGP-.25-250	1/4	0.50	250	0.08
PVCGP-.375-250	3/8	0.63	250	0.11
PVCGP-.5-250	1/2	0.75	250	0.14
PVCGP-.75-175	3/4	1.03	175	0.22
PVCGP-1-150	1	1.31	150	0.31





# General Purpose Hose

General Purpose Hose

## CLEAR REINFORCED PVC FOOD GRADE

### Application:

Air, drinking water, mild chemicals and alkalis. This product complies with all applicable FDA, 3A, NSF-51 and NSF-61 requirements.

### Construction:

Tube - Clear smooth PVC. NSF-51 & NSF-61 certified material  
 Reinforcement - High tensile synthetic braid  
 Cover - Clear smooth PVC. NSF-51 & NSF-61 certified material

### Temperature Range:

-4°C to +65°C (+25°F to +150°F)

### Standard Lengths:

3/16", 5/16"	100ft / 300ft Coils
1/4", 3/8", 1/2"	50ft / 100ft / 300ft Coils & 500ft Reels
5/8"	100ft / 200ft / 300ft Coils
3/4"	50ft / 100ft / 200ft Coils & 500ft Reels
1"	50ft / 100ft / 200ft Coils & 300ft Reels
1-1/4", 1-1/2", 2"	50ft / 100ft Coils

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CRF-.188	3/16	.375	250	0.04
CRF-.25	1/4	.438	250	0.06
CRF-.313	5/16	.531	250	0.08
CRF-.375	3/8	.594	225	0.09
CRF-.5	1/2	.750	200	0.13
CRF-.625	5/8	.891	200	0.18
CRF-.75	3/4	1.031	150	0.22
CRF-1	1	1.300	125	0.30
CRF-1.25	1-1/4	1.620	100	0.45
CRF-1.5	1-1/2	1.938	100	0.64
CRF-2	2	2.490	75	0.94

## CHALLENGER CLEAR REINFORCED PVC

### Application:

An industrial grade clear reinforced PVC hose designed for various air and water applications. The transparent construction allows for visual detection of blockages and flow. Made from FDA approved ingredients.

### Construction:

Tube - Clear smooth PVC  
 Reinforcement - High tensile synthetic braid  
 Cover - Clear smooth PVC

### Temperature Range:

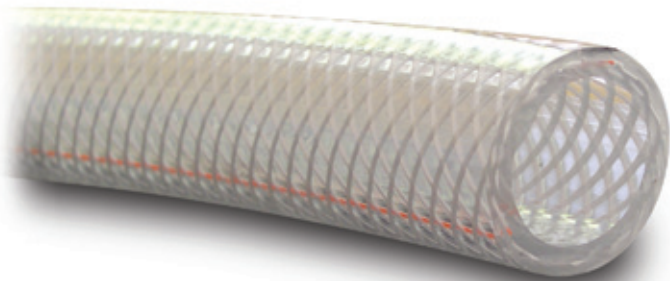
-4°C to +65°C (+25°F to +150°F)

### Standard Lengths:

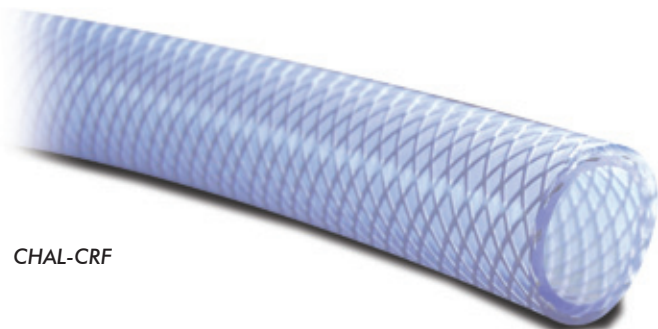
1/4"	300ft coils
3/8"	300ft coils or 500ft reels
1/2"	300ft coils
3/4"	300ft coils
1"	200ft coils
1-1/4", 1-1/2", 2"	100ft coils

Full coils / reels only.

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CHAL-CRF-.25	1/4	.437	150	0.06
CHAL-CRF-.375	3/8	.590	150	0.09
CHAL-CRF-.375-500R	3/8	.590	150	0.09
CHAL-CRF-.5	1/2	.750	150	0.13
CHAL-CRF-.75	3/4	1.02	115	0.22
CHAL-CRF-1	1	1.30	115	0.30
CHAL-CRF-1.25	1-1/4	1.615	100	0.45
CHAL-CRF-1.5	1-1/2	1.968	100	0.65
CHAL-CRF-2	2	2.441	75	0.86



CRF



CHAL-CRF



# General Purpose Hose



PUSR

## RUBBER PUSH-ON

### Application:

Oil resistant hose for use with push-on fittings.

### Construction:

Tube - Black nitrile, Class A, PVC / Nitrile Tube  
Reinforcement - High tensile synthetic yarn  
Cover - Black, blue, grey, green, yellow, or red neoprene

### Temperature Range:

-29°C to +71°C (-20°F to +160°F)

### Standard Lengths:

25ft multiples, 250ft or 700ft reels

I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
1/4	0.50	250	0.10
3/8	0.625	250	0.13
1/2	0.75	250	0.16
5/8	0.90	250	0.22
3/4	1.03	250	0.25

I.D. Inches	Black	Blue, Grey, Red Green, Yellow
1/4	✓	✓
3/8	✓	✓
1/2	✓	✓
5/8	✓	✓
3/4	✓	✓

### Colour Abbreviations

Yellow ..... YEL  
Blue ..... BLUE  
Grey ..... GREY  
Red ..... RED  
Black ..... BLK  
Green ..... GREEN

### Examples of Part Number

3/8" COLOUR part # = PUSRCOLOUR-.375  
1/2" Green = PUSRGREEN-.5



PUSRBLK

## RUBBER PUSH-ON - MSHA APPROVED

### Application:

This hose is designed for use with robotic welders or any other application requiring MSHA approved flame resistant cover. This 300psi hose is oil resistant and non-conductive. It is designed to be used with push-on fittings.

### Construction:

Tube - Black nitrile, Class A, Nitrile Tube  
Reinforcement - Spiral Aramid Yarn  
Cover - Nitrile / PVC RMA Class A Rubber

### Temperature Range:

-34°C to +82°C (-30°F to +180°F)

### Standard Lengths:

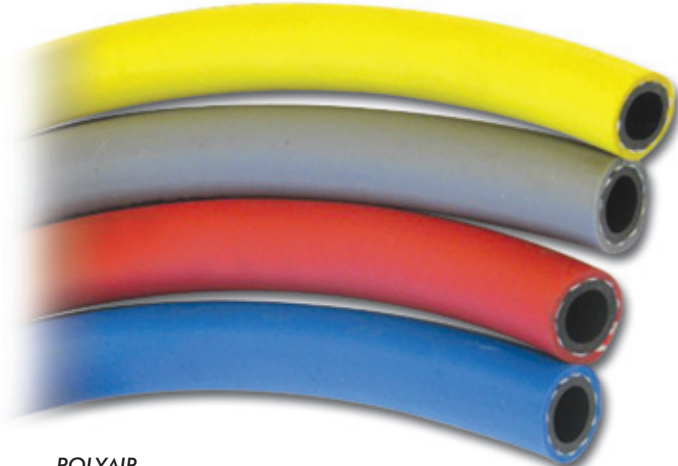
25ft multiples or 700ft reels

Part Number	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PUSRBLK300-.25	1/4	0.50	300	0.10
PUSRBLK300-.375	3/8	0.625	300	0.13
PUSRBLK300-.5	1/2	0.75	300	0.16



# General Purpose Hose

General Purpose Hose



POLYAIR

## POLYAIR

### Application:

A low temperature hose for air, water and mild water-soluble chemicals. Tube and cover are silicone free.

### Construction:

Tube - Black PVC  
Reinforcement - Polyester yarn with additional longitudinal yarns to reduce elongation under pressure  
Cover - PVC compounded in a variety of colours

### Temperature Range:

-26°C to +65°C (+15°F to +150°F)

### Standard Lengths:

1/4" to 1/2" 100ft coils & 500ft reels  
5/8" to 1" 100ft coils & 300ft reels

### Colour Availability:

I.D.	RED	YELLOW BLUE GREY
1/4	✓	✓
5/16	✓	
3/8	✓	✓
1/2	✓	✓
5/8	✓	
3/4	✓	✓
1	✓	✓

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
POLYAIR-COLOUR-.25	1/4	.500	300	0.08
POLYAIR-COLOUR-.313	5/16	.625	300	0.13
POLYAIR-COLOUR-.375	3/8	.625	300	0.11
POLYAIR-COLOUR-.5	1/2	.813	300	0.18
POLYAIR-COLOUR-.625	5/8	.906	250	0.19
POLYAIR-COLOUR-.75	3/4	1.125	250	0.30
POLYAIR-COLOUR-1	1	1.406	250	0.41

3/8" Red Polyair part number = POLYAIR-RED-.375  
3/8" Yellow Polyair part number = POLYAIR-YELLOW-.375



HERCULES

## HERCULES 500

### Application:

Hercules 500 is an extremely abrasion resistant hose with a wide range of applications in agriculture, factories, mining, and many other industrial applications. This hose is non-conductive and MSHA approved.

### Construction:

Tube - NBR/PVC, RMA class A  
Reinforcement - 4-spiral polyester yarn  
Cover - NBR/PVC, carboxylated nitrile blend RMA class A, MSHA approved  
Branding - Thermoid Hercules Multipurpose Hose Size I.D. 500 PSI WP MSHA 1C-114/1 Made in USA Non-conductive

### Temperature Range:

-40°C to +100°C (-40°F to +212°F)

### Standard Lengths:

1/4" to 1" 25ft multiples & 700ft reels  
1-1/4" to 1-1/2" 25ft multiples & 500ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
HERCULES-.25	1/4	0.63	500	0.14
HERCULES-.375	3/8	0.75	500	0.21
HERCULES-.5	1/2	0.91	500	0.24
HERCULES-.75	3/4	1.19	500	0.36
HERCULES-1	1	1.50	500	0.51
HERCULES-1.25	1-1/4	1.75	500	0.66
HERCULES-1.5	1-1/2	2.09	500	0.70



# General Purpose Hose



CHAL

## CHALLENGER EPDM GENERAL SERVICE HOSE

### Application:

An economical EPDM multi purpose hose used in a wide range of air, water, and light agricultural chemical applications. Challenger General Service hose is used in construction, marine, agricultural, and industrial applications.

### Construction:

Tube - Black EPDM blended rubber  
Reinforcement - Polyester yarn  
Cover - Smooth red abrasion resistant EPDM blend

### Temperature Range:

-20°C to +93°C (-4°F to +200°F)

### Standard Lengths:

25ft multiples & 500ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CHAL-.25-250	1/4	0.51	250	0.11
CHAL-.375-250	3/8	0.67	250	0.16
CHAL-.5-250	1/2	0.83	250	0.23
CHAL-.75-250	3/4	1.14	250	0.40
CHAL-1-200	1	1.40	200	0.53



TUNDRA

## TUNDRA LOW TEMP PVC AIR HOSE

### Application:

Tundra is an ideal hose for outdoor air and water applications in cold weather. Its specially formulated compounds are engineered to be tough and flexible at very low temperatures. Tundra is also silicone free.

### Construction:

Tube- High grade low temp. PVC compound. Medium Class B oil resistance  
Reinforcement- High tensile strength polyester yarn  
Cover- High grade low temp. PVC compound. Medium Class B oil resistance

### Temperature Range:

-40°C to +65°C (-40°F to +150°F)

### Standard Lengths:

1/4" to 1/2" - 500ft reel no cutting  
Full coils / reels only.

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TUNDRA-RED-.25	1/4	0.50	300	0.08
TUNDRA-RED-.375	3/8	0.63	300	0.10
TUNDRA-YEL-.375-500R	3/8	0.63	300	0.10
TUNDRA-YEL-.5-500R	1/2	0.78	300	0.15





MXS

## MARINE EXHAUST SOFT WALL

### Product Information:

All hoses made to USCG specifications. Recommended for working temperatures of up to 100°C (212°F). Used for wet exhaust in pleasure craft marine engine applications. Specially blended EPDM tube and cover for long life under severe conditions. Black tube and cover with blue stripe.

### Construction:

Tube - EPDM rubber  
 Reinforcement - Multiple layer synthetic yarn  
 Cover - EPDM rubber  
 Branding - Blue stripe "CERTIFIED MARINE EXHAUST size"

### Temperature Range:

-40°C to +100°C (-40°F to +212°F)

### Standard Lengths:

100ft cut to any length at no charge

Parts No.	I.D. Inches	O.D. Inches	Approx. Wt. Per. Ft. Lbs.
MXS-.875	7/8	1.29	0.40
MXS-1	1	1.40	0.45
MXS-1.125	1-1/8	1.50	0.49
MXS-1.25	1-1/4	1.70	0.60
MXS-1.313	1-5/16	1.68	0.62
MXS-1.375	1-3/8	1.82	0.65
MXS-1.5	1-1/2	1.97	0.70
MXS-1.625	1-5/8	2.10	0.80
MXS-1.75	1-3/4	2.23	0.85
MXS-1.875	1-7/8	2.35	0.90
MXS-2	2	2.50	1.05
MXS-2.125	2-1/8	2.62	1.15
MXS-2.25	2-1/4	2.75	1.25
MXS-2.375	2-3/8	2.88	1.35
MXS-2.5	2-1/2	3.06	1.50
MXS-2.625	2-5/8	3.13	1.65
MXS-2.875	2-7/8	3.38	1.90
MXS-3	3	3.61	2.00
MXS-3.125	3-1/8	3.63	2.10
MXS-3.5	3-1/2	4.11	2.35
MXS-4	4	4.53	2.55
MXS-4.125	4-1/8	4.65	2.60
MXS-4.5	4-1/2	5.15	2.80
MXS-5	5	5.51	3.25
MXS-5.5	5-1/2	6.01	3.52
MXS-6	6	6.51	4.70





MXH

## MARINE EXHAUST HARD WALL

### Product Information:

All hoses made to USCG specifications. Recommended for working temperatures of up to 100°C (212°F). Used for wet exhaust in pleasure craft marine engine applications. Specially blended EPDM tube and cover for long life under severe conditions. Black tube and cover with blue stripe.

### Construction:

Tube - EPDM rubber  
 Reinforcement - Multiple layer synthetic yarn  
 Cover - EPDM rubber  
 Branding - Blue stripe "CERTIFIED MARINE EXHAUST size"

### Temperature Range:

-40°C to +100°C (-40°F to +212°F)

### Standard Lengths:

100ft cut to any length at no charge

Parts No.	I.D. Inches	O.D. Inches	Bend Radius(In.)	Approx. Wt. Per. Ft. Lbs.
MXH-.5	1/2	0.84	4	0.35
MXH-.625	5/8	1.03	5	0.40
MXH-.75	3/4	1.16	6	0.45
MXH-.875	7/8	1.25	7	0.50
MXH-1	1	1.40	8	0.60
MXH-1.125	1-1/8	1.52	9	0.70
MXH-1.25	1-1/4	1.70	10	0.75
MXH-1.5	1-1/2	1.97	12	0.90
MXH-1.625	1-5/8	2.10	13	1.05
MXH-1.75	1-3/4	2.23	14	1.20
MXH-1.875	1-7/8	2.35	15	1.25
MXH-2	2	2.50	16	1.35
MXH-2.125	2-1/8	2.64	17	1.45
MXH-2.25	2-1/4	2.75	18	1.55
MXH-2.375	2-3/8	2.88	19	1.65
MXH-2.5	2-1/2	3.06	20	1.80
MXH-2.625	2-5/8	3.18	21	1.90
MXH-2.875	2-7/8	3.43	23	2.10
MXH-3	3	3.61	24	2.25
MXH-3.125	3-1/8	3.64	25	2.30
MXH-3.5	3-1/2	4.11	28	2.65
MXH-4	4	4.56	32	3.20
MXH-4.125	4-1/8	4.68	33	3.30
MXH-4.5	4-1/2	5.19	36	3.71
MXH-5	5	5.59	40	4.02
MXH-5.5	5-1/2	6.09	44	4.51
MXH-6	6	6.61	48	5.00





MFF

## MARINE FUEL FILL HARD WALL

### Application:

Used from deck fill to marine fuel tank. Extremely flexible, will not kink when used on short bend radius. Made to USCG specifications and branded accordingly. Approved by B.I.A. Type A meets S.A.E. J1527 and U.L. Spec 1114 sect. 16.

### Construction:

Tube - Black oil and gasoline resistant nitrile

Reinforcement - High tensile wire helix and layers of synthetic yarn

Cover - Black oil, gasoline and weather resistant synthetic rubber

### Temperature Range:

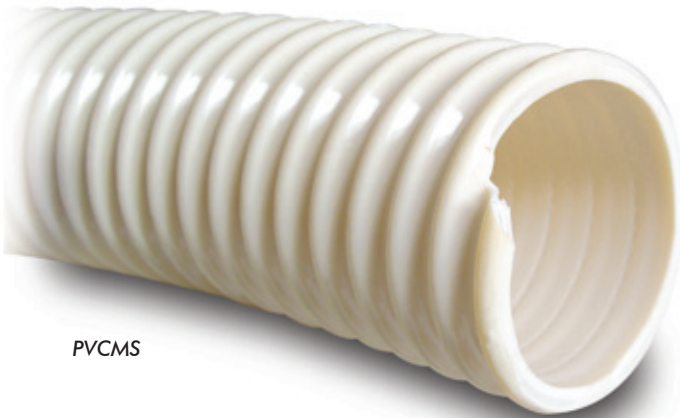
-32°C to + 82°C (-25°F to +180°F)

### Standard Lengths:

1-1/2" - 100ft cut to multiples of 5ft

1-5/8" to 2-7/8" - POA

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
MFF-1.5	1-1/2	1.91	150	0.75
MFF-1.625	1-5/8	2.04	150	0.80
MFF-1.75	1-3/4	2.17	150	0.89
MFF-1.875	1-7/8	2.29	150	0.95
MFF-2	2	2.42	150	1.01
MFF-2.125	2-1/8	2.55	150	1.06
MFF-2.25	2-1/4	2.67	150	1.12
MFF-2.375	2-3/8	2.79	150	1.17
MFF-2.75	2-3/4	3.16	150	1.38
MFF-2.875	2-7/8	3.28	150	1.44



PVCMS

## PVC MARINE SANITARY

### Application:

Extremely flexible for use in confined bilge areas.

### Construction:

Tube - Smooth cream coloured PVC

Reinforcement - PVC helix

Cover - Corrugated cream coloured PVC

### Temperature Range:

-20°C to +65°C (-4°F to +150°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inched	Max W.P. PSI	Suction Inch HG	Approx. Wt. Per. Ft. Lbs.
PVCMS-1	1	1.22	1	45	29	0.15
PVCMS-1.25	1-1/4	1.49	1.5	40	29	0.20
PVCMS-1.5	1-1/2	1.77	2	40	29	0.25
PVCMS-2	2	2.32	2.5	35	26	0.31



# Material Handling Hose



BMS

## BULKMASTER DISCHARGE

### Application:

For discharge of dry bulk products including chalk, china clay, limestone, ground silica, fullers earth, dry cement, sodium sulphate, lime and fertilizer.

### Construction:

Tube - Black abrasion resistant natural rubber  
 Reinforcement - Spiraled layers of high tensile synthetic cord  
 Cover - Black abrasion and weather resistant synthetic rubber  
 Branding - Green Stripe "Bulkmaster Discharge"

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Tube Gauge Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
BMS-3	3	3.70	3/16	80	1.87
BMS-4-.125	4	4.54	1/8	75	2.02
BMS-4-.188	4	4.54	3/16	75	2.20
BMS-4-.25	4	4.72	1/4	75	2.76
BMS-4-.313	4	4.69	5/16	75	2.90
BMS-4.5	4-1/2	5.22	1/4	75	2.97



BH

## BULKMASTER HARDWALL

### Application:

For suction and discharge of dry bulk products including chalk, china clay, limestone, ground silica, fullers earth, dry cement, sodium sulphate, lime and fertilizer. Suitable for full vacuum.

### Construction:

Tube - Black abrasion resistant natural rubber  
 Reinforcement - A high tensile steel helix embedded between textile cords.  
 Cover - Black abrasion and weather resistant synthetic rubber with white stripe  
 Branding - Green Stripe "Bulkmaster Suction"

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Tube Gauge Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
BH-4-.188	4	4.80	35	3/16	75	3.85
BH-4-.25	4	4.94	35	1/4	75	4.41
BH-4-.313	4	5.08	35	5/16	75	4.96



# Material Handling Hose



SB

## BLAST MAXX

### Application:

For conducting sand, steel shot and other abrasives for blast cleaning.

### Construction:

Tube - 1/4" black static conductive abrasion resistant natural rubber  
 Reinforcement - Two layers of synthetic textile cords  
 Cover - Black natural / EPDM blended rubber  
 Branding - Red Stripe "BLAST MAXX SANDBLAST HOSE 150 P.S.I."

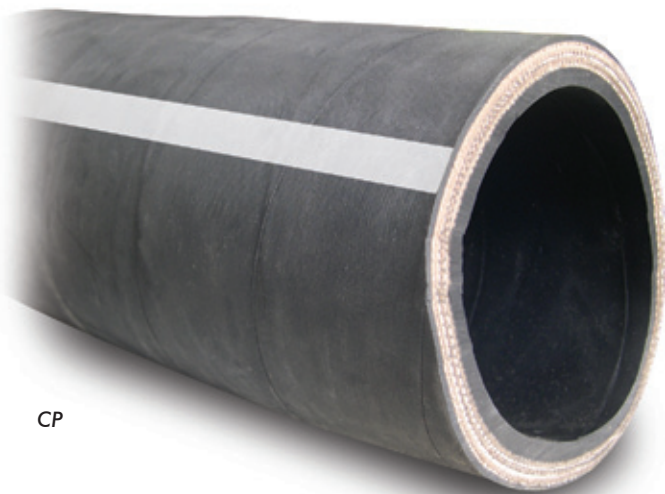
### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
SB-.5-1.063	1/2	1.063	150	0.47
SB-.5-1.125	1/2	1.125	150	0.49
SB-.75-1.5	3/4	1.500	150	0.72
SB-1	1	1.875	150	1.06
SB-1.25-1.875	1-1/4	1.875	150	1.11
SB-1.25-2.156	1-1/4	2.156	150	1.25
SB-1.5	1-1/2	2.375	150	1.43
SB-2	2	2.875	150	1.69
SB-2.5	2-1/2	3.425	150	2.37
SB-3	3	4.000	150	3.09



CP

## CONCRETE PLACEMENT

### Application:

For conducting plaster, grout, wet cement and concrete at high pressure

### Construction:

Tube - Black abrasion resistant natural rubber  
 Reinforcement - Layers of high tensile synthetic cords  
 Cover - Black abrasion resistant synthetic rubber  
 Branding - White Stripe

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CP-1.5	1-1/2	2.25	800	1.19
CP-2	2	2.76	800	1.29
CP-3	3	4.00	800	2.54
CP-4	4	5.12	600	3.85



# Material Handling Hose



G

## GUNITE

### Application:

For conducting dry sand and cement in guniting operations. Also for general material handling applications where a thick cut and abrasion resistant tube is required.

### Construction:

Tube - Tan natural rubber for maximum cut and abrasion resistance 1/4" thick  
 Reinforcement - Two layers of synthetic textile cords with static wire  
 Cover - Black abrasion and weather resistant synthetic rubber  
 Branding - Unbranded

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
G-1.25	1-1/4	2.09	150	1.16
G-1.5	1-1/2	2.33	150	1.33
G-1.625	1-5/8	2.46	150	1.43
G-2	2	2.88	150	1.78
G-3	3	3.86	150	2.67



HOT

## HOT AIR BLOWER

### Application:

For conveying hot air to tanks on dry bulk material trucks

### Construction:

Tube - Black heat resistant EPDM rubber specially compounded for continuous use at 177°C (350°F)  
 Reinforcement - A high tensile wire helix embedded between plies of heat resistant synthetic fabric  
 Cover - Black heat & weather resistant EPDM rubber  
 Branding - Unbranded

### Temperature Range:

-35°C to +177°C (-31°F to +350°F)

### Standard Lengths:

100ft cut to multiples of 10ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
HOT-3	3	3.46	21	100	1.58
HOT-4	4	4.68	28	100	2.44



# Material Handling Hose

## BULK MAXX

### Application:

For transfer of dry non-oily abrasive materials such as sand, limestone, plastic pellets, sugar, corn etc. Suitable for full vacuum.

### Construction:

Tube - Tan natural rubber smooth abrasion resistant, 3/16" thick (FDA approved)

Reinforcement - A high tensile steel helix embedded between textile cords

Cover - Tan natural rubber corrugated for flexibility, non marking

Branding - Blue Stripe "TAN BULK MATERIAL"

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

2" to 4" 100ft multiples of 5ft 5" to 6" 60ft multiples of 5ft



TB

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TB-2	2	2.64	10	75	1.68
TB-2.5	2-1/2	3.11	14	75	2.24
TB-3	3	3.66	16	75	2.74
TB-4	4	4.69	22	75	3.56
TB-5	5	5.71	32	75	4.56
TB-6	6	6.73	37	75	5.40

## INDUSTRIAL VACUUM - WITH PURE GUM TUBE

### Application:

A rugged flexible heavy duty vacuum cleaning hose designed for demanding industrial use.

### Construction:

Tube - Tan abrasion resistant Pure Gum

Reinforcement - Two high tensile steel wire helices and spirals of synthetic yarn

Cover - Black corrugated abrasion resistant SBR Rubber

Branding - Unbranded

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

1" - 4" 100ft cut to multiples of 10ft  
5" & 6" 60ft cut to multiples of 10ft  
8" 40ft cut to multiples of 10ft



IV

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Tube Gauge Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
IV-1	1	1.25	6	3/64	200	0.33
IV-1.25	1-1/4	1.50	8	3/64	200	0.45
IV-1.5	1-1/2	1.75	9	3/64	180	0.53
IV-2	2	2.32	12	3/64	140	0.81
IV-2.5	2-1/2	2.80	15	3/64	110	1.00
IV-3	3	3.31	18	3/64	90	1.27
IV-4	4	4.41	24	3/64	70	2.05
IV-5	5	5.39	30	3/64	80	2.91
IV-6	6	6.46	36	3/64	70	4.81
IV-8	8	8.45	46	3/64	50	6.90



# Material Handling Hose



CMC

## CMC MAXX

### Application:

Designed for abrasive suction and discharge service. Utilizes split flanged couplings, which can be installed without special tools, allows hose to be purchased in long lengths and cut as required. The reusable coupling allows full flow of material and permits the hose to be easily rotated for even wear.

### Construction:

Tube - Highly abrasion resistant red pure gum  
 Reinforcement - Synthetic fabric reinforcement and wire helix  
 Cover - Black abrasion resistant synthetic rubber corrugated to help flexibility and match internal corrugations of external split flanged coupling  
 Branding - Red Stripe "CMC MAXX"

### Temperature Range:

-40°C to +71°C (-40°F to +160°F)

### Standard Lengths:

2" Any length up to 100ft  
 3"- 8" Any length up to 60ft  
 10" & 12" Any length up to 40ft

Parts No.	I.D. Inches	O.D. Inches	Tube Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CMC-2	2	3.00	1/4	12	150	1.94
CMC-2.5	2-1/2	3.48	1/4	15	150	2.82
CMC-3	3	4.50	1/4	18	150	3.19
CMC-4	4	5.30	1/4	40	150	5.18
CMC-5	5	6.46	1/4	50	150	6.30
CMC-6	6	7.50	5/16	60	150	10.42
CMC-8	8	9.50	5/16	80	75	13.44
CMC-10	10	11.50	5/16	100	75	20.90
CMC-12	12	13.75	5/16	120	75	24.79



180AR

## 180AR ABRASION RESISTANT RUBBER SUCTION

### Application:

Suction and discharge of dry materials such as sand, crushed rock, cement etc... Suitable for full vacuum.

### Construction:

Tube - Black abrasion resistant, static conducting synthetic rubber  
 Reinforcement - Rigid black PVC helix  
 Cover - Corrugated black rubber  
 Branding - Unbranded

### Temperature Range:

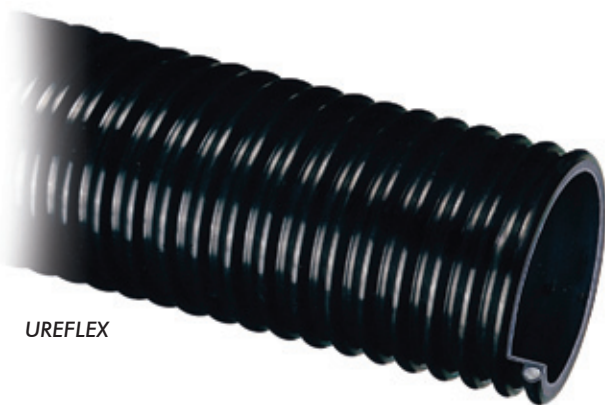
-40°C to +60°C (-40°F to +140°F)

### Standard Lengths:

100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating In Hg	Max W.P. PSI	Bend Radius Inches	Approx. Wt. Per. Ft. Lbs.
180AR-1.5	1-1/2	1.82	29.8	45	2.0	0.31
180AR-2	2	2.35	29.8	40	2.5	0.50
180AR-2.5	2-1/2	2.87	29.8	35	2.5	0.88
180AR-3	3	3.50	29.8	35	3.0	1.10
180AR-4	4	4.63	29.8	30	4.5	1.77
180AR-5	5	5.63	28.0	30	5.0	2.47
180AR-6	6	6.73	28.0	30	9.2	3.08
180AR-8	8	9.04	27.0	30	15.0	5.65





UREFLEX

## TIGERFLEX UREFLEX-1 MATERIAL HANDLING HOSE

### Application:

Ureflex-1 is designed for abrasive applications such as grain handling, sand/shot recovery lines, roof rock cleaning and various other material handling applications. It is formulated out of static-dissipative HMW PVC which also provides sub-zero flexibility.

### Construction:

Tube- Smooth black polyurethane  
Reinforcement- White PVC Helix  
Cover- Convoluted black HMW PVC for low temp flexibility

### Temperature Range:

-40°C to +65°C (-40°F to +150°F)

### Standard Lengths:

1-1/4" to 6"- 100ft & 50ft no cutting  
8"- 50ft & 20ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vaccum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
UREFLEX-1.25	1-1/4	1.53	FULL	2	50	0.22
UREFLEX-1.5	1-1/2	1.85	FULL	2	50	0.42
UREFLEX-2	2	2.40	FULL	3	40	0.59
UREFLEX-2.5	2-1/2	3.07	FULL	3	40	0.80
UREFLEX-3	3	3.64	FULL	4	40	1.18
UREFLEX-3.5	3-1/2	4.21	FULL	5	35	1.48
UREFLEX-4	4	4.76	FULL	6	35	1.95
UREFLEX-5	5	5.75	28	10	35	2.42
UREFLEX-6	6	6.81	28	12	30	3.50
UREFLEX-8	8	9.18	28	18	30	5.91

\* Other sizes available on request



TIGER-UBK

## TIGERFLEX UBK MATERIAL HANDLING HOSE

### Application:

UBK is designed for abrasive applications such as sand/shot recovery lines, roof rock cleaning and various other abrasive material transfer. It is formulated out of HMW PVC which provides sub-zero flexibility. UBK is also formulated out of static-dissipative compounds.

### Construction:

Tube- Smooth black polyurethane  
Reinforcement- Exposed black PVC helix allows hose to slide easily  
Cover- Convoluted black HMW PVC for low temp flexibility

### Temperature Range:

-40°C to +65°C (-40°F to +150°F)

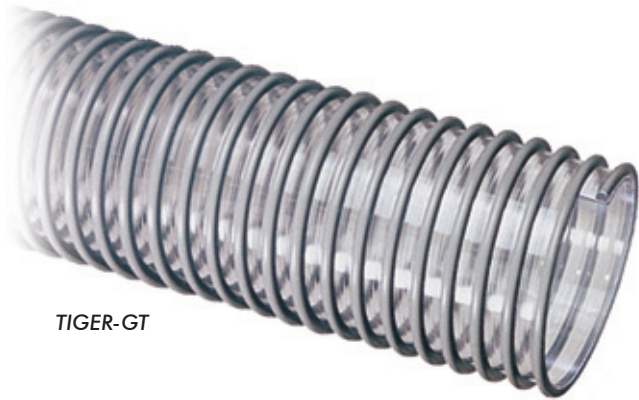
### Standard Lengths:

2" to 6"- 100ft & 50ft no cutting  
8"- 50ft & 20ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vaccum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TIGER-UBK-2	2	2.40	FULL	2	40	0.59
TIGER-UBK-4	4	4.76	FULL	6	35	1.37
TIGER-UBK-6	6	6.81	28	12	30	3.10
TIGER-UBK-8	8	9.02	28	15	30	4.51

\* Other sizes available on request

# Material Handling Hose



TIGER-GT

## TIGERFLEX GT BLOWER HOSE

### Application:

GT blower hose is designed for dust collection, fume removal, air vent lines and other vapour removal applications.

### Construction:

Tube- Smooth clear PVC

Reinforcement- Exposed grey PVC helix allows for extreme flexibility

Cover- Smooth clear PVC allows visual confirmation that material is flowing

### Temperature Range:

-20°C to +65°C (-4°F to +150°F)

### Standard Lengths:

1-1/2" to 6" - 100ft & 50ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vaccum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TIGER-GT-1.5	1-1/2	1.82	22	1	20	0.23
TIGER-GT-2	2	2.39	21	2	15	0.30
TIGER-GT-2.5	2-1/2	2.89	19	2	10	0.39
TIGER-GT-3	3	3.46	18	3	10	0.50
TIGER-GT-4	4	4.50	13	3	8	0.77
TIGER-GT-5	5	5.50	10	5	7	0.91
TIGER-GT-6	6	6.54	7	6	6	1.08

\* Other sizes available on request



TR

## TIGERFLEX TR1 MATERIAL HANDING HOSE

### Application:

Specially engineered rubber blend which gives the ideal combination of light weight, flexibility and superior long-lasting durability. Applications include abrasive material transfer, sand/shot recovery lines, roof rock cleaning, grain handling, fly ash collecting and industrial vacuum equipment.

### Construction:

Tube- Specially engineered rubber blend. Smooth bore

Reinforcement- Rigid PVC helix

Cover- Specially engineered rubber blend. Corrugated cover

### Temperature Range:

-40°C to +65°C (-40°F to +150°F)

### Standard Lengths:

2" to 4" - 50ft & 100ft no cutting

6" - 20ft, 50ft & 100ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vaccum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TR1-2	2	2.38	FULL	1.5	32	0.50
TR1-3	3	3.56	FULL	2.5	28	1.00
TR1-4	4	4.67	FULL	4.5	26	1.17
TR1-5	5	5.73	28	5	21	2.38
TR1-6	6	6.88	28	9.5	19	3.20







180BL

## 180BL ABRASION RESISTANCE RUBBER SUCTION

### Application:

Designed for suction and blowing of lightweight abrasives such as rock-wool, fiberglass, sawdust, grain, insulation and cement dust.

### Construction:

Tube- SBR rubber blended with static carbon black. Smooth bore  
 Reinforcement- Rigid PVC helix  
 Cover- SBR Rubber blended with static carbon black. Corrugated cover

### Temperature Range:

-40°C to +60°C (-40°F to +140°F)

### Standard Lengths:

2-1/2" - 100ft no cutting  
 3" to 6" - 100ft/50ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
180BL-2.5	2-1/2	2.91	25	2.5	18	0.71
180BL-3	3	3.44	23	3	13	0.92
180BL-4	4	4.53	20	4	10	1.50
180BL-5	5	5.63	15	5	8	1.68
180BL-6	6	6.67	15	9	8	2.40



620WD

## KANAFLEX 620WD BLOWER HOSE

### Application:

General ducting and blower applications. For use with lightweight abrasives such as sawdust, grass clippings, street refuse and cotton pickers.

### Construction:

Tube- Smooth EPDM  
 Reinforcement- Metal wire helix  
 Slightly corrugated EPDM Rubber  
 Cover-

### Temperature Range:

-40°C to +104°C (-40°F to +220°F)

### Standard Lengths:

2-1/2" to 10ft - 50ft no cutting  
 12" - 25ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
620WD-2.5	2-1/2	3.00	12	3	12	0.44
620WD-4	4	4.39	9	4	9	0.73
620WD-6	6	6.36	6	6	6	1.04
620WD-8	8	8.35	4	8	4	1.38
620WD-10	10	10.45	3	10	3	2.40
620WD-12	12	12.40	3	12	3	2.50

# Petroleum Hose



TT

## PETRO MAXX

### Application:

An all purpose suction and discharge hose for gasoline, distillate, kerosene, diesel, oil suspensions and emulsions. Also used as hydraulic return line suction hose. Suitable for full vacuum. Maximum aromatic content 50%.

### Construction:

Tube - Black Nitrile for maximum oil resistance

Reinforcement - A high tensile wire helix embedded between layers of textile cords

Cover - Black abrasion resistant PVC nitrile blend which is gasoline and oil resistant c/w a blue layline

Branding - Blue stripe "PETRO MAXX TANK TRUCK 150 PSI"

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TT-.75	3/4	1.19	5	150	0.45
TT-1	1	1.42	6	150	0.58
TT-1.25	1-1/4	1.70	7	150	0.78
TT-1.5	1-1/2	1.97	9	150	0.89
TT-2	2	2.48	12	150	1.15
TT-2.5	2-1/2	2.95	20	150	1.40
TT-3	3	3.53	24	150	1.92
TT-3.5	3-1/2	4.06	28	150	2.37
TT-4	4	4.75	32	100	3.20
TT-5	5	5.79	40	100	5.73
TT-6	6	6.85	48	100	5.89



TT-LT

## POLAR MAXX LOW TEMP TANK TRUCK

### Application:

An all purpose petroleum suction and discharge hose designed to remain flexible under arctic service conditions. Suitable for full vacuum.

### Construction:

Tube - Black low temp nitrile for maximum oil resistance

Reinforcement - Dual high tensile wire helix embedded between layers of textile cords

Cover - Specially formulated oil resistant rubber to remain flexible in low temperatures. Blue corrugated cover with red lay line

Branding - Red stripe "POLAR MAXX LOW TEMP TANK TRUCK 150 P.S.I."

### Temperature Range:

-51°C to +82°C (-60°F to +180°F)

### Standard Lengths:

100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TT-LT-1	1	1.42	4	150	0.58
TT-LT-1.5	1-1/2	1.93	6	150	0.89
TT-LT-2	2	2.52	7	150	1.15
TT-LT-3	3	3.55	9	150	1.92
TT-LT-4	4	4.68	13	150	3.20





PET

## PETROLEUM DISCHARGE

### Application:

For handling a wide range of petroleum based products, including gasoline, and a number of chemical solutions. Also ideal for air service with oil laden, and heated air. Maximum aromatic content 50%.

### Construction:

Tube - Black heat and oil resistant Nitrile  
 Reinforcement - Multiple layers of synthetic textile cords with static wire  
 Cover - Red, heat, oil and weather resistant neoprene  
 Branding - "Petroleum Discharge Hose 150PSI"

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PET-.75	3/4	1.10	150	0.30
PET-1	1	1.14	150	0.44
PET-1.25	1-1/4	1.65	150	0.53
PET-1.5	1-1/2	1.89	150	0.70
PET-2	2	2.48	150	0.90
PET-2.5	2-1/2	2.99	150	1.22
PET-3	3	3.49	150	1.45
PET-4	4	4.56	150	1.89



DROP

## DROP HOSE

### Application:

A lightweight, flexible drop hose for gasoline delivery service. Will handle the same range of products as Tank Truck hose. Suitable for full vacuum. Maximum aromatic content 50%.

### Construction:

Tube - Black oil and gasoline resistant nitrile rubber  
 Reinforcement - A double wire helix embedded between two layers of textile cords  
 Cover - Corrugated red neoprene which is abrasion, oil and gasoline resistant  
 Branding - Unbranded

### Temperature Range:

-35°C to +82°C (-31°F to +180°F)

### Standard Lengths:

100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
DROP-2	2	2.44	8	75	1.23
DROP-3	3	3.50	12	75	1.92
DROP-4	4	4.50	18	75	2.88

# Petroleum Hose



FLVE

## FUEL LINE & VAPOUR EMISSION

### Application:

For conveying fuel in automobiles, trucks, buses, ... SAE 30R7 type B USCG approved fuel line hose. Not designed for marine use with alcohol blended fuels.

### Construction:

Tube - Black Nitrile

Reinforcement - Spiral synthetic cord

Cover - Black synthetic, Nitrile / PVC blend resistant to oil, grease and ozone

Branding - Size SAE 30R7-KX date, Made in USA

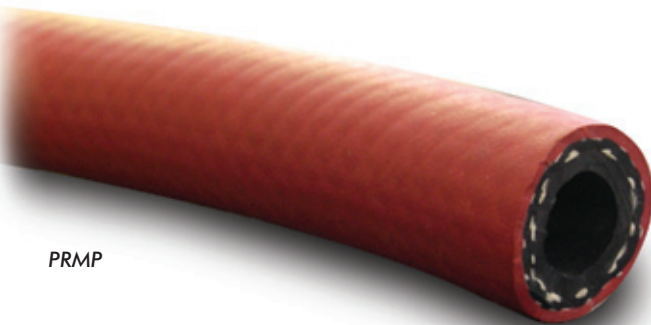
### Temperature Range:

-34°C to +125°C ( -29°F to +257°F)

### Standard Lengths:

Multiples of 25ft and 700ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
FLVE-.188	3/16	0.41	50	0.065
FLVE-.25	1/4	0.50	50	0.100
FLVE-.313	5/16	0.56	50	0.110
FLVE-.375	3/8	0.63	50	0.220
FLVE-.625	5/8	0.88	50	0.300



PRMP

## OIL DELIVERY

### Application:

For conveying oil, gasoline, fuel oil and other petroleum derived products. This hose is non conductive.

### Construction:

Tube - Oil resistant black nitrile

Reinforcement - Layers of spiraled synthetic yarn

Cover - Red oil and abrasion resistant nitrile/ PVC blend

Branding - Thermoid Versicon Non-conductive, Size, WP, Made in USA

### Temperature Range:

-29°C to +82°C ( -20°F to +180°F)

### Standard Lengths:

1/4" to 1" 25ft multiples & 700ft reels  
1-1/4" 25ft multiples & 500ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PRMP-.25-300	1/4	0.63	300	0.18
PRMP-.375-300	3/8	0.72	300	0.20
PRMP-.5-300	1/2	0.88	300	0.27
PRMP-.75-300	3/4	1.16	300	0.43
PRMP-1-300	1	1.43	300	0.65
PRMP-1.25-250	1-1/4	1.78	250	0.75
PRMP-1.5-250	1-1/2	2.03	250	0.88





HT

## HOT TAR & ASPHALT

### Application:

Designed to handle tar, asphalt, hot oils and other high temperature petroleum based materials at temperatures up to 175°C (350°F).

### Construction:

Tube - Special heat resistant black Nitrile  
 Reinforcement - Textile cords with wire helix  
 Cover - Corrugated black nitrile  
 Branding - Unbranded

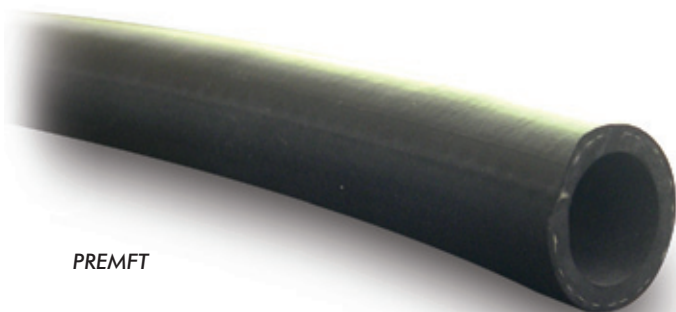
### Temperature Range:

-35°C to +177°C ( -31°F to +350°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
HT-3	3	4.00	18	150	3.47
HT-4	4	4.98	24	150	4.53



PREMFT

## PREMIUM FARM TANK

### Application:

For dispensing gasoline, kerosene and oil from farm or barrel-type pumps found on construction, farm and industrial sites.

### Construction:

Tube - Black Nitrile  
 Reinforcement - Polyester yarn with static wire  
 Cover - Black Nitrile PVC blend with high oil resistance  
 Branding - Thermoid Premier Farm Tank, Size, Made in U.S.A. with Static Wire

### Temperature Range:

-29°C to +71°C (-20°F to +160°F)

### Standard Lengths:

Multiples of 25ft and 700ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PREMFT-.75	3/4	1.13	60	29
PREMFT-1	1	1.38	60	45





VAP

## VAPOUR RECOVERY

### Application:

Lightweight and highly flexible hose for vapour recovery, for use with petroleum drop hose. Not suitable for conveying liquids

### Construction:

Tube - Clear polyurethane, resistant to petroleum vapours  
 Reinforcement - PVC helix c/w static wire  
 Cover - Clear polyurethane cover with yellow PVC helix  
 Branding - Unbranded

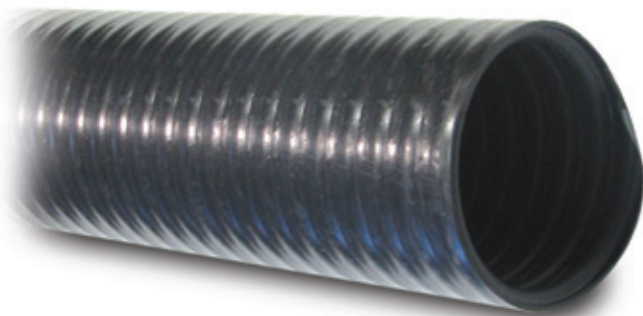
### Temperature Range:

-30°C to +60°C ( -30°F to +140°F)

### Standard Lengths:

100ft cut to multiples of 5ft.

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Approx. Wt. Per. Ft. Lbs.
VAP-3	3	3.54	3	0.69
VAP-4	4	4.56	4	0.92



DSLEEVE

## BANDING SLEEVES

### Application:

Banding sleeves to be used with petroleum drop hose and vapour recovery hose to provide smooth banding surface for installation clamps.

### Standard Lengths:

3ft.

### Drop Hose:

Parts No.	I.D. Inches	Colour
DSLEEVE-3	3	BLACK
DSLEEVE-4	4	BLACK

### Vapour Hose:

Parts No.	I.D. Inches	Colour
VSLEEVE-3	3	GREY
VSLEEVE-4	4	GREY



ST120VP

## KANAFLEX ST 120 VP VAPOUR RECOVERY HOSE

### Application:

ST 120 VP is designed as a gasoline vapour recovery hose.

### Construction:

Tube- Smooth black nitrile rubber

Reinforcement- Rigid PVC helix with static wire for grounding

Cover- Corrugated cover

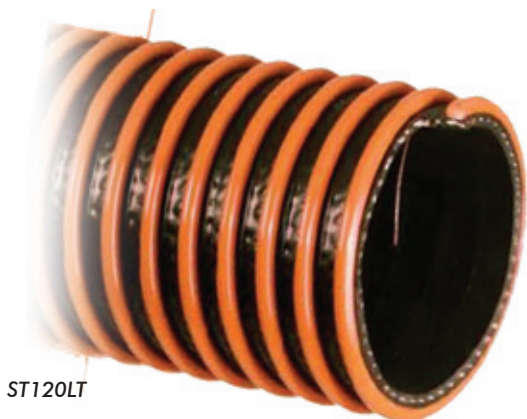
### Temperature Range:

-40°C to +60°C (-40°F to +140°F)

### Standard Lengths:

2" to 4" - 60ft & 100ft no cutting.

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
ST120VP-2	2	2.36	29.8	3	20	0.61
ST120VP-3	3	3.46	29.8	2.5	10	1.00
ST120VP-4	4	4.57	29.8	5	10	1.70



ST120LT

## KANAFLEX ST 120 LT DROP HOSE

### Application:

ST 120 LT is designed as a gasoline tank truck gravity drop hose for such items as naphtha, kerosene, light and heavy oil, diesel and up to 15% gasohol.

### Construction:

Tube- Smooth black nitrile rubber

Reinforcement- Rigid PVC Helix with synthetic braiding. Static wire for grounding

Cover- Corrugated cover

### Temperature Range:

-34°C to +60°C (-30°F to +140°F)

### Standard Lengths:

2" to 4" - 60ft & 100ft cut to multiples of 5ft

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
ST120LT-2	2	2.68	29.8	5	65	1.13
ST120LT-3	3	3.68	29.8	6	65	1.37
ST120LT-4	4	4.82	29.8	8	65	2.16



# Sewer Cleaning Hose



SP

## SP PIRANHA SEWER CLEANING HOSE

### Application:

Piranha hose is constructed from materials selected to provide rugged and reliable service under even the most severe and demanding conditions found in high pressure sewer cleaning.

### Construction:

Tube - Yellow olefin  
 Reinforcement - Single high tensile braid  
 Cover - Orange polyether-urethane

### Temperature Range:

-40°C to +50°C (-40°F to +122°F)

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Min B.P. PSI	Bend Radius Inches	Cover Thickness	Approx. Wt. Per. Ft. Lbs.	Reel Length Ft.
SP-16-500R	1	1.460	2500	6250	6	0.065	0.400	500
SP-16-600R	1	1.460	2500	6250	6	0.065	0.400	600

Each length comes with a male NPT attached each end; female swivel on one end is also available by special order.



HP

## HP PIRANHA SEWER CLEANING HOSE

### Application:

Piranha hose is constructed from materials selected to provide rugged and reliable service under even the most severe and demanding conditions found in high pressure sewer cleaning.

### Construction:

Tube - Yellow olefin  
 Reinforcement - Double high tensile braid  
 Cover - Blue polyether-urethane

### Temperature Range:

-40°C to +50°C (-40°F to +122°F)

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Min B.P. PSI	Bend Radius Inches	Cover Thickness	Approx. Wt. Per. Ft. Lbs.	Reel Length Ft.
HP-16-600R	1	1.475	3000	7500	8	0.500	0.410	600

Each length comes with a male NPT attached each end; female swivel on one end is also available by special order.

The use of end fittings and assembly tooling other than that supplied by Piranha Hose Products is at the risk of the users.





PS

## PAINT SPRAY

### Application:

Paint spray applications involving most common solvents such as lacquer thinners, turpentine and Duco.

### Construction:

Tube - Co-extruded blue LLDPE / rubber blend  
 Reinforcement - High tensile synthetic textile  
 Cover - Black smooth oil & abrasion resistant synthetic rubber

### Temperature Range:

-40°C to +52°C (-40°F to +125°F)

### Standard Lengths:

1/4" - 1/2"      25ft multiples & 500ft reels  
 3/4"              25ft multiples & 300ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PS-.25	1/4	0.500	175	0.072
PS-.375	3/8	0.690	175	0.120
PS-.5	1/2	0.875	175	0.186
PS-.75	3/4	1.190	150	0.283



EVA

## EVA WEED SPRAY

### Application:

Used for all low pressure agricultural spray applications, including Monsanto LASSO and anhydrous ammonia.

### Construction:

Tube - Clear EVA (Ethylene vinyl acetate)  
 Reinforcement - Multiple layers of polyester yarn  
 Cover - Clear abrasion & weather resistant EVA

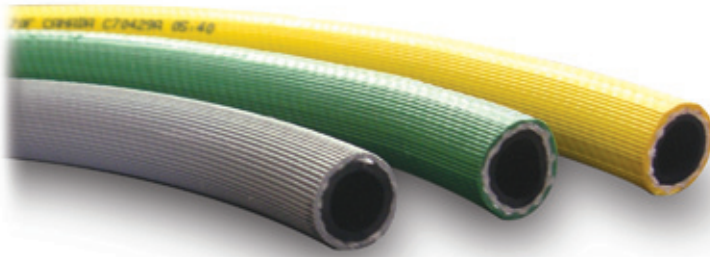
### Temperature Range:

-23°C to +65°C (-10°F to +150°F)

### Standard Lengths:

25ft multiples & 300ft coils

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
EVA-.375	3/8	0.59	300	0.07
EVA-.5	1/2	0.72	250	0.09
EVA-.75	3/4	0.97	150	0.13
EVA-1	1	1.31	150	0.24



AG

## AGRICULTURAL SPRAY

### Product Information:

For spraying or transfer of aqueous or petroleum based herbicides and insecticides, such as LASSO . Cover is pin-pricked to vent vapour and prevent ballooning.

### Temperature Range:

-10°C to +70°C (+15°F to 158°F)

### Standard Lengths:

25ft multiples & 300ft reels

## 300 P.S.I. GREY RIBBED COVER

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
AG-.375-300	3/8	0.63	300	0.12
AG-.5-300	1/2	0.77	300	0.16
AG-.75-200	3/4	1.06	200	0.27

## 600 P.S.I. YELLOW RIBBED COVER

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
AG-.375-600	3/8	0.65	600	0.136
AG-.5-600	1/2	0.79	600	0.190
AG-.75-600	3/4	1.17	600	0.420

## 800 P.S.I. GREEN RIBBED COVER

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
AG-.375-800	3/8	0.65	800	0.136
AG-.5-800	1/2	0.85	800	0.226
AG-.75-800	3/4	1.17	800	0.420

## EPDM WIRE REINFORCED 250 STEAM

### Application:

An extremely flexible hose for use with steam at temperatures up to 208°C (406°F). Not suitable for superheated steam.

### Construction:

Tube - Black EPDM rubber, compounded to resist heat aging  
 Reinforcement - Layers of high tensile steel wire  
 Cover - Red abrasion & heat resistant EPDM rubber  
 Branding (Embossed) - 17 bar (250 PSI) 208°C (406°F) Saturated steam only - drain after use

### Temperature Range:

-40°C to 208°C (-40°F to 406°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
WRS-.5-250	1/2	0.98	250	0.38
WRS-.75-250	3/4	1.26	250	0.49
WRS-1-250	1	1.50	250	0.60
WRS-1.25-250	1-1/4	1.81	250	0.89
WRS-1.5-250	1-1/2	2.05	250	1.03
WRS-2-250	2	2.64	250	1.44

## STEAM MAXX CHLOROBUTYL 250 STEAM HOSE

### Application:

STEAM MAXX's tube is formulated of chlorobutyl rubber giving it superior resistance to heat aging and improved life expectancy. This extremely flexible hose is designed for transfer of steam up to 250 PSI and 430° F in petrochemical plants, shipyards, oil fields and other industrial applications.

### Construction:

Tube - Black CHLOROBUTYL rubber, compounded to resist heat aging  
 Reinforcement - Layers of high tensile steel wire  
 Cover - Red abrasion & heat resistant EPDM rubber (Pin pricked)  
 Branding - STEAM MAXX CHLOROBUTYL steam hose 250 PSI (17 BAR) 430°F (221°C) - Drain after use

### Temperature Range:

-40°C to 221°C (-40°F to 430°F) intermittent to 232°C (450°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
WRSC-.75	3/4	1.26	250	0.50
WRSC-1	1	1.50	250	0.63
WRSC-2	2	2.64	250	1.51



WRS



WRSC



FS

## FIBREGLASS STEAM

### Application:

For use with saturated steam up to 100 PSI - 170°C (338°F) for thawing and washdown at papermills and food plants. This hose is non-conductive.

### Construction:

Tube - Red heat resistant EPDM synthetic rubber  
Reinforcement - Layers of heat resistant fiberglass  
Cover - Red heat, weather & oil resistant EPDM  
Branding - Black stripe Fibreglass steam non-conductive

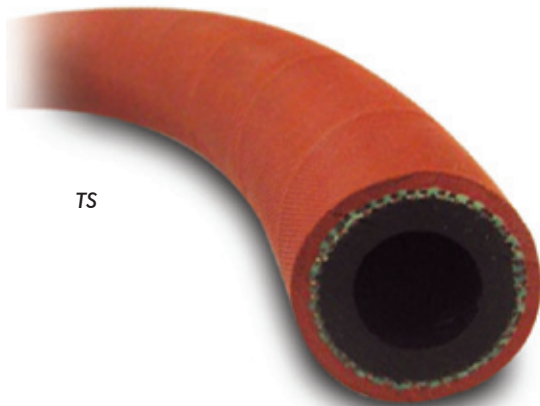
### Temperature Range:

-40°C to 170°C (-40°F to 338°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
FS-.5	1/2	1.03	100	0.36
FS-.75	3/4	1.25	100	0.48
FS-1	1	1.50	100	0.59
FS-1.25	1-1/4	1.81	100	0.78
FS-1.5	1-1/2	2.06	100	0.90
FS-2	2	2.56	100	1.15



TS

## TEXTILE STEAM

### Application:

For use with saturated steam up to 100 PSI - 170°C (338°F). For thawing, wash down at paper mills and food plants.

### Construction:

Tube - Black heat resistant EPDM synthetic rubber  
Reinforcement - Two layers of heat resistant synthetic yarn  
Cover - Red, heat, weather and oil resistant EPDM

### Temperature Range:

-40°C to 170°C (-40°F to 338°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TS-.5	1/2	1.00	100	0.26
TS-.75	3/4	1.25	100	0.38
TS-1	1	1.50	100	0.48



## STEAM – ITS EFFECT ON HOSE

*“The hose must be faulty.”* This is the usual reaction when steam hose fails in service, especially when, on the same application, the same type of hose has given satisfactory service.

Explaining why can be very difficult, but experience has shown that such examples of sudden failure are rarely due to defective hose. In most cases, failure is the result of changing conditions of steam. A temporary condition of super-heated steam in a saturated steam line can quickly deteriorate the lining of a steam hose, hardening or softening, resulting in failure.

To understand the problem let us start at the beginning. Steam is an invisible gas and cannot be seen. What is seen issuing from the spout of a boiling kettle is not steam, but water vapour. The temperature at which water boils depends upon the vessel containing the water. At normal atmospheric pressure, water boils at 100 degrees Celsius. As more heat is added steam is generated but the water remains at the same temperature. Under these conditions moisture can be present in the steam which is known as **“wet saturated steam”** or simply **wet steam**.

As more heat is added all the water will be converted into steam which is known as **dry saturated steam** – still at atmospheric pressure and with a temperature of 100 degrees Celsius.

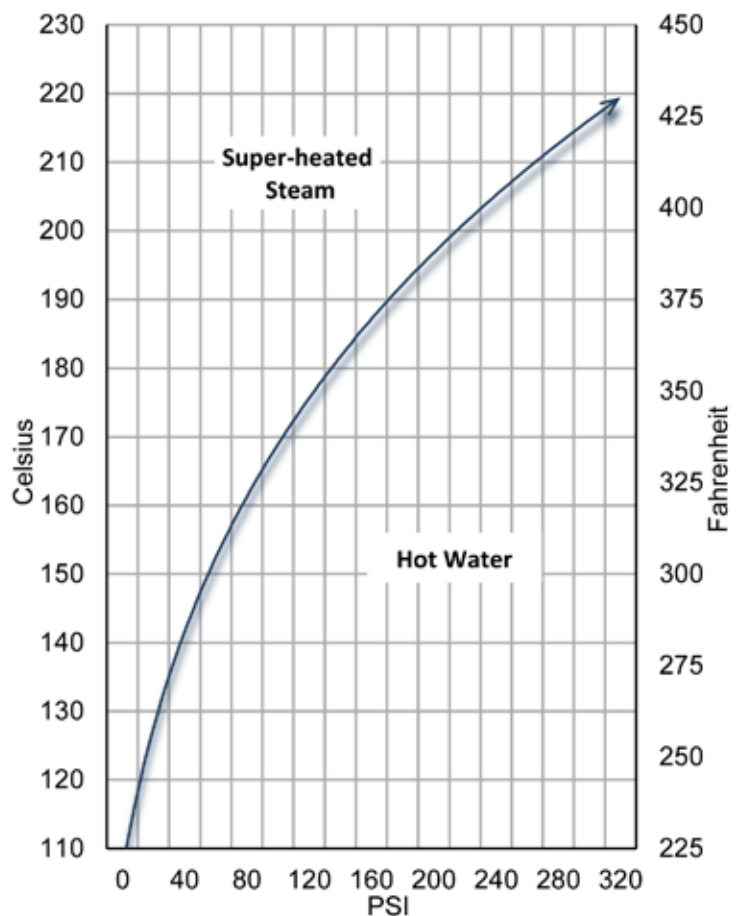
If even more heat is added the temperature of the dry saturated steam will be increased further. This is known as **“super-heated steam”** or **dry steam**. The word “super-heated” is used because its temperature is higher than that at which the water boils. This process does not conform to an invariable pressure/temperature relationship, as applies in the generation of saturated steam. It is possible for super-heated steam to exist at a wide range of temperatures in relation to a particular pressure. But steam is almost always generated, and carried, at higher than atmospheric pressures and we know that the effect of increasing the pressure on the water is to increase its boiling point. For example, at a gauge pressure of 70 PSI is 158 degrees Celsius and at 150 PSI, 185 degrees Celsius.

In the chart below, the black line represents the temperature at which water boils, or at which steam is generated.

Consequently any point on this line represents **saturated steam** – which may be completely free of un-vapourized particles of water, known as ‘dry’ or carry such particles as ‘wet’.

Any point in the zone below the line represents hot water.

Any point in the zone above the line represents **super-heated steam**.



Although most steam hose applications involve **Saturated Steam**, two quite different conditions can cause the steam to turn into super-heated steam. They are:

1. *An increase in temperature*
  - a. This can result from faulty operation of the steam generating equipment which could cause a temperature increase without a corresponding increase in pressure.
2. *A decrease in pressure*
  - a. In an open-end steam line operating at a gauge pressure of 60 PSI, the temperature at the boiler end of the line will be 153 degrees Celsius and at the open end the gauge pressure will be zero and the temperature 100 degrees Celsius. For the steam in this line to remain saturated, the temperature drop along the line should be from 152 degrees Celsius to 100 degrees Celsius. If the steam line is not installed correctly, the pressure/temperature relationship could be such that the **saturated steam** has been changed to **super-heated steam**.
  - b. The sudden opening of a valve in a steam line, or steam passing into a larger diameter pipe can result in pressure drop which, unless accompanied by a corresponding temperature drop can result in **saturated steam** changing into **super-heated steam**.

***Make sure that you have all the facts, and don't hesitate to ask if you are in doubt. Steam is dangerous; it is much better to spend a little more time at the enquiry stage than to have a hose fail prematurely in service because something was left to chance.***

## Temperature of Saturated Steam

Gauge Pressure				Temperature	
PSI	KG CM <sup>2</sup>	ATM	BAR	°C	°F
25	1.76	1.70	1.73	130	267
30	2.11	2.04	2.07	134	274
35	2.46	2.38	2.42	138	281
40	2.81	2.72	2.76	141	287
45	3.16	3.06	3.11	144	292
50	3.52	3.40	3.45	148	298
60	4.22	4.08	4.14	153	307
70	4.92	4.76	4.83	158	316
80	5.62	5.44	5.52	162	324
90	6.32	6.12	6.21	166	330
100	7.03	6.80	6.90	170	338
120	8.44	8.44	8.28	177	350
140	9.84	9.84	9.66	182	361
160	11.25	11.25	11.04	188	371
180	12.65	12.65	12.42	193	379
200	14.06	14.06	13.80	198	388
225	15.82	15.82	15.53	203	397
250	17.58	17.58	17.25	208	406
275	19.33	19.33	18.98	212	414
300	21.09	21.09	20.70	216	422
325	22.85	22.85	22.43	221	429
350	24.61	24.61	24.15	225	437





PWDN

## PAPERMILL WASHDOWN WITH BUILT-ON-NOZZLE

### Application:

Suitable for hot or cold water washdown service in papermills. Hose incorporates an integral built-on smooth tapered rubber nozzle.

### Construction:

Tube - Black synthetic heat resistant rubber  
Reinforcement - Multiple spirals of moisture resistant synthetic yarn  
Cover - Green abrasion resistant rubber

### Temperature Range:

-35°C to +95°C (-31°F to +203°F)

### Standard Lengths:

50ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. 50ft. Length c/w Nozzle
PWDN-.75	3/4	1.14	250	37
PWDN-1	1	1.41	250	46
PWDN-1.25	1-1/4	1.73	200	72
PWDN-1.5	1-1/2	2.04	200	93



GP

## GREEN PACKERS WASHDOWN

### Application:

For washdown service in packing houses, breweries, dairies, fish processing plants, and canneries. Suitable for hot water to 95°C (203°F). Not recommended for pure steam service. Mandrel built.

### Construction:

Tube - Black synthetic compounded for heat resistance  
Reinforcement - Two layers of synthetic yarns  
Cover - Green cover. Resistant to lactic acid, animal & butter fats, heat weathering and abrasion

### Temperature Range:

-40°C to +95°C (-40°F to +203°F)

### Standard Lengths:

50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
GP-.5	1/2	0.91	250	0.28
GP-.75	3/4	1.25	250	0.40
GP-1	1	1.46	250	0.53

# Washdown Hose

HWWU



## HOT WATER WASH UP

### Application:

For general clean-up and hot water washdown service up to 93°C (200°F) at 50 PSI in dairies, meat packing houses, creameries, food processing and bottling plants. Not suitable for steam service.

### Construction:

Tube - Black heat resistant EPDM  
Reinforcement - Spiral polyester yarn  
Cover - White smooth EPDM

### Temperature Range:

-40°C to +82°C (-40°F to +180°F)

### Standard Lengths:

25ft / 700ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
HWWU-.5	1/2	0.94	250	0.30
HWWU-.75	3/4	1.25	200	0.51

SHW



## SUPER HOT WATER WASH UP

### Application:

For general clean-up and hot water washdown service in dairies, meat packing houses, creameries, food processing and bottling plants. The use of premium materials gives longer service life under high temperature use. Not suitable for steam service. Mandrel built.

### Construction:

Tube - White FDA compound heat resistant synthetic rubber  
Reinforcement - Two layers of synthetic yarns. Fungus and mould resistant  
Cover - White synthetic rubber, heat and abrasion resistant

### Temperature Range:

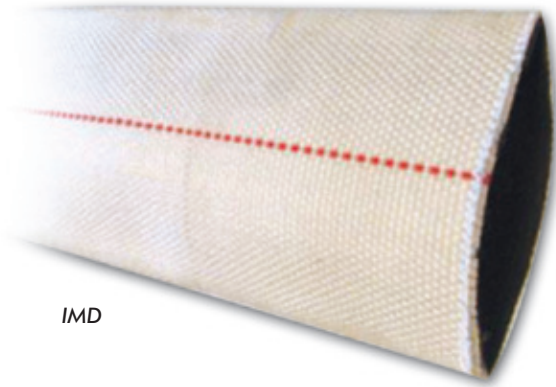
-32°C to +82°C (-25°F to +220°F)

### Standard Lengths:

25ft / 50ft / 75ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
SHW-.5	1/2	0.94	150	0.33
SHW-.75	3/4	1.23	150	0.50
SHW-1	1	1.52	150	0.70





IMD

## INDUSTRIAL MILL DISCHARGE

### Application:

A very economical pump discharge and washdown hose.  
Not approved for fire fighting service.

### Construction:

Tube - Extruded synthetic rubber  
Cover - White 100% polyester single jacket with red stripe

### Temperature Range:

-17°C to +82°C (0°F to +180°F)

### Standard Lengths:

1-1/2" to 2-1/2"    25ft / 50ft / 75ft / 100ft

Parts No.	I.D. Inches	Bowl Size Inches	Min Burst PSI	W.P. PSI
IMD-1.5	1-1/2	1-11/16	500	150
IMD-2	2	2-3/16	500	150
IMD-2.5	2-1/2	2-3/4	500	150

# Water Discharge Hose



CWDT

## CONTRACTORS WATER DISCHARGE LONG LENGTH

### Application:

For use on construction sites and general water service.

### Construction:

Tube - Black EPDM  
Reinforcement - Multiple spirals of synthetic yarn  
Cover - Black smooth EPDM

### Temperature Range:

-40°C to +93°C (-40°F to +200°F)

### Standard Lengths:

1/2" to 1"                      25ft multiples & 700ft reels  
1-1/4"                            25ft multiples & 550ft reels  
1-1/2"                            25ft multiples & 400ft reels

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CWDT-.25-200	1/4	.50	200	0.08
CWDT-.313-300	5/16	.63	300	0.13
CWDT-.375-200	3/8	.69	200	0.15
CWDT-.375-300	3/8	.72	300	0.17
CWDT-.5-150	1/2	.81	150	0.19
CWDT-.5-300	1/2	.88	300	0.24
CWDT-.625-150	5/8	.94	150	0.23
CWDT-.625-200	5/8	1.00	200	0.29
CWDT-.75-150	3/4	1.13	150	0.33
CWDT-.75-300	3/4	1.16	300	0.40
CWDT-1-150	1	1.43	150	0.41
CWDT-1-200	1	1.43	200	0.49
CWDT-1.25-200	1-1/4	1.78	200	0.79
CWDT-1.5-200	1-1/2	2.03	200	0.90



CHAL-BLK

## CHALLENGER WATER DISCHARGE HOSE

### Application:

An economical water discharge hose used in a wide range of water applications. Due to Challenger's rubber construction, this hose is flexible and lightweight for ease of use.

### Construction:

Tube - Black blended rubber  
Reinforcement - High tensile synthetic yarn  
Cover - Smooth black abrasion resistant rubber

### Temperature Range:

-20°C to +82°C (-4°F to +180°F)

### Standard Lengths:

25ft multiples & 500ft reels.

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CHAL-BLK-.5-150	1/2	0.83	150	0.26
CHAL-BLK-.625-150	5/8	0.94	150	0.33
CHAL-BLK-.75-150	3/4	1.14	150	0.44
CHAL-BLK-1-150	1	1.40	150	0.55



# Water Discharge Hose

# Water Discharge Hose



CWD

## FLOW MAXX WATER DISCHARGE

### Application:

For use on construction sites and general water service.

### Construction:

Tube - Black EPDM rubber

Reinforcement - Multiple spirals of synthetic yarn

Cover - Black EPDM rubber

Branding - Yellow Stripe "FLOW MAXX EPDM WATER DISCHARGE HOSE"

### Temperature Range:

-32°C to +82°C (-25°F to +180°F)

### Standard Lengths:

1-1/4" to 10"      50ft / 100ft

12"                      50ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CWD-1.25	1-1/4	1.54	100	0.44
CWD-1.5	1-1/2	1.77	100	0.56
CWD-2	2	2.28	100	0.70
CWD-2.5	2-1/2	2.72	100	1.03
CWD-3	3	3.27	85	1.20
CWD-4	4	4.29	85	1.60
CWD-5	5	5.39	85	2.03
CWD-6	6	6.34	75	2.60
CWD-8	8	8.39	75	3.50
CWD-10	10	10.50	75	4.80
CWD-12	12	12.51	75	5.89



PWD

## PREMIUM WATER DISCHARGE

### Application:

A heavy duty hose for water discharge service.

### Construction:

Tube - Black synthetic rubber - oil mist resistant

Reinforcement - Multiple spirals of synthetic yarn

Cover - Green abrasion and cut resistant synthetic rubber

Branding - Unbranded

### Temperature Range:

-32°C to +82°C (-25°F to +180°F)

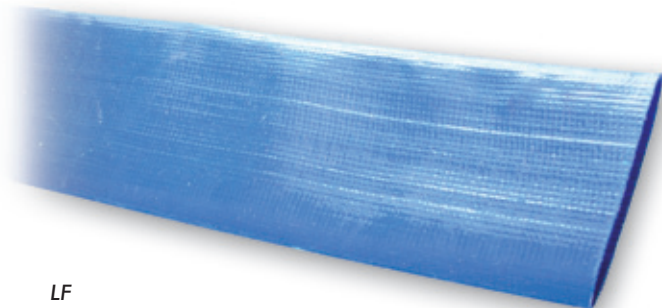
### Standard Lengths:

25ft / 50ft / 100ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PWD-1.25	1-1/4	1.65	200	0.65
PWD-1.5	1-1/2	1.89	200	0.72
PWD-2	2	2.48	150	1.16
PWD-2.5	2-1/2	3.07	150	1.75
PWD-3	3	3.59	150	2.07
PWD-4	4	4.58	150	2.67
PWD-5	5	5.63	150	3.85
PWD-6	6	6.69	150	5.07
PWD-8	8	8.87	75	7.90
PWD-10	10	10.99	75	9.50
PWD-12	12	13.12	75	11.20



# Water Discharge Hose



LF

## BLUE PVC LAYFLAT

### Application:

A light weight duty hose for portable pump and irrigation use. Hose folds flat for ease of coiling and handling. Designed for open end discharge only.

### Construction:

Tube - Blue PVC impregnation  
Reinforcement - Woven high tensile synthetic yarn  
Cover - Blue PVC impregnation

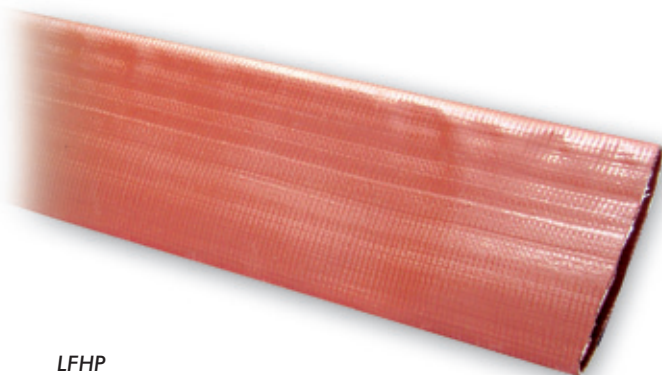
### Temperature Range:

-21°C TO +54°C (-5°F TO +130°F)

### Standard Lengths:

1-1/2" to 8" - multiples of 25ft to 300ft maximum  
10" - multiples of 25ft to 328ft maximum

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
LF-1.5	1-1/2	1.60	70	0.18
LF-2	2	2.11	70	0.24
LF-2.5	2-1/2	2.63	60	0.28
LF-3	3	3.14	55	0.36
LF-4	4	4.14	50	0.50
LF-6	6	6.15	40	0.88
LF-8	8	8.15	35	1.10
LF-10	10	10.18	35	2.00



LFHP

## BROWN PVC LAYFLAT

### Application:

This hose is a more rugged version of our blue PVC layflat hose, designed for use where higher working pressures are required. Designed for open end discharge only.

### Construction:

Tube - Brown PVC impregnation  
Reinforcement - Woven high tensile synthetic yarn  
Cover - Brown PVC impregnation

### Temperature Range:

-21°C TO +54°C (-5°F TO +130°F)

### Standard Lengths:

Multiples of 25ft to 300ft maximum

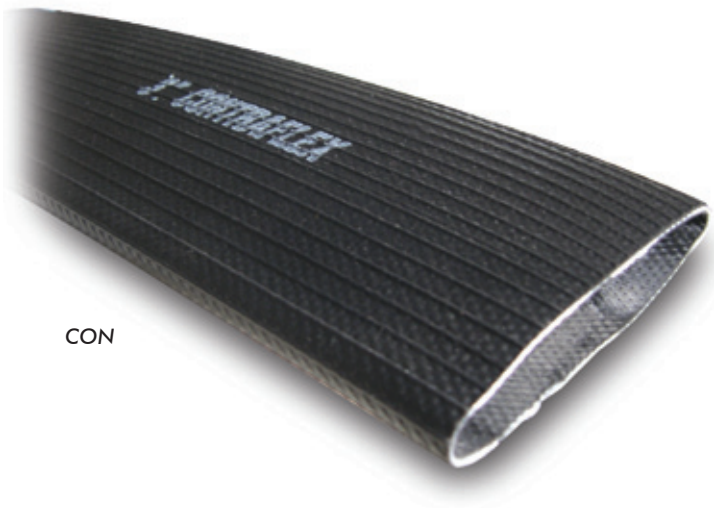
Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
LFHP-1.5	1-1/2	1.64	120	0.22
LFHP-2	2	2.14	115	0.29
LFHP-2.5	2-1/2	2.67	115	0.41
LFHP-3	3	3.17	100	0.43
LFHP-4	4	4.18	100	0.60
LFHP-6	6	6.18	80	1.01
LFHP-8	8	8.19	80	1.50





# Water Discharge Hose

# Water Discharge Hose



CON

## CONTRAFLEX LAYFLAT

### Application:

Designed for discharging water and oil contaminated water at high pressures. An excellent portable pump hose. (Only suitable for handling petroleum products with an aromatic content under 30%)

### Construction:

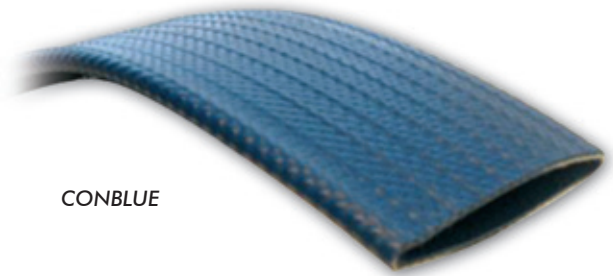
Tube - Black abrasion and oil resistant nitrile  
Reinforcement - Circular woven polyester yarn  
Cover - Black nitrile, resistant to abrasion, oil and weathering  
Branding - Unbranded

### Temperature Range:

-30°C to +82°C (-22°F to +180°F)

### Standard Lengths:

1-1/2" to 8"      25ft multiples & 300ft coils



CONBLUE

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CON-1.5	1-1/2	1.70	200	0.20
CON-2	2	2.25	200	0.30
CON-2.5	2-1/2	2.82	180	0.36
CON-3	3	3.30	180	0.44
CON-4	4	4.27	175	0.67
CON-6	6	6.31	150	1.26
CON-8	8	8.42	145	1.58
CON-10	10	10.35	125	2.38

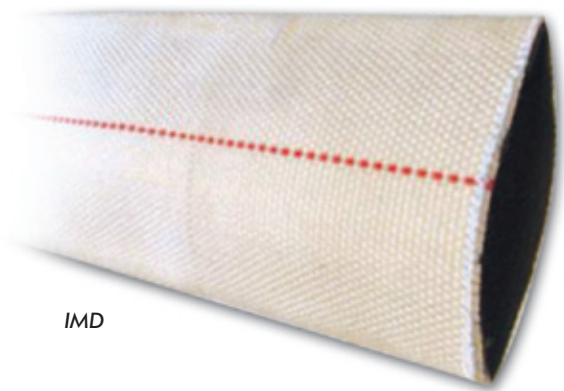
\* 1-1/2" Available in blue part number = CONBLUE - 1.5





# Water Discharge Hose

Water Discharge Hose



IMD

## INDUSTRIAL MILL DISCHARGE

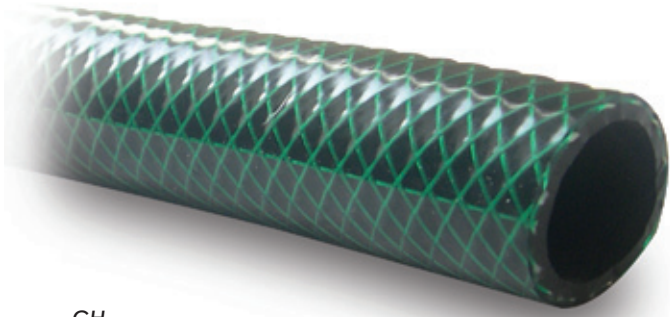
**Application:**  
A very economical pump discharge and washdown hose.  
Not approved for fire fighting service.

**Construction:**  
Tube - Extruded synthetic rubber  
Cover - White 100% polyester single jacket with red stripe

**Temperature Range:**  
-17°C to +82°C (0°F to +180°F)

**Standard Lengths:**  
1-1/2" to 2-1/2" 25ft / 50ft / 75ft / 100ft

Parts No.	I.D. Inches	Bowl Size Inches	Min Burst PSI	W.P. PSI
IMD-1.5	1-1/2	1-11/16	500	150
IMD-2	2	2-3/16	500	150
IMD-2.5	2-1/2	2-3/4	500	150



GH

## GARDEN HOSE

**Application:**  
For general water service.

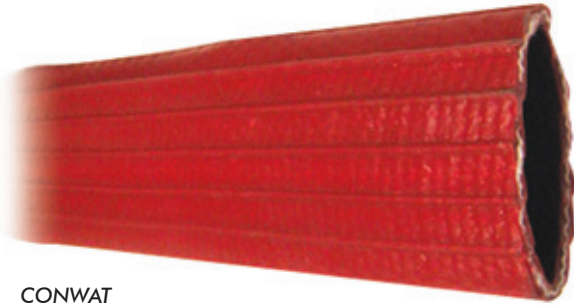
**Construction:**  
Tube - Black PVC  
Reinforcement - Two layers of polyester cord  
Cover - Green weather and abrasion resistant PVC

**Temperature Range:**  
-5°C to +65°C (+25°F to +150°F)

**Standard Lengths:**  
1/2" 50ft / 100ft / 500ft  
5/8" & 3/4" 50ft / 100ft / 300ft  
1" 50ft / 100ft / 200ft

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
GH-.5	1/2	.70	125	0.115
GH-.625	5/8	.80	125	0.118
GH-.75	3/4	1.00	100	0.208
GH-1	1	1.31	100	0.345





CONWAT

## RED CON-WAT WATER DISCHARGE HOSE

### Application:

An economical lightweight water discharge hose. Conwat hose folds flat for ease of coiling and handling making it very portable. Applications include diamond drill hose and various other water discharge applications.

### Construction:

Tube - Red Impregnated PVC  
Reinforcement - Circular woven polyester yarn  
Cover - Ribbed red impregnated PVC

### Temperature Range:

-10°C to +50°C (-14°F to +122°F)

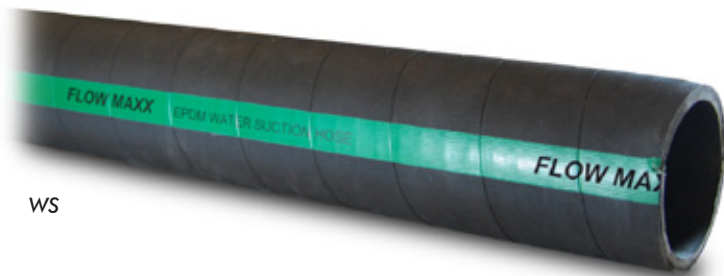
### Standard Lengths:

150 ft. coils.

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
CONWAT-1	1	1.23	200	0.213

\* Other colour, sizes and lengths are available upon special request.

# Water Suction Hose



WS

## FLOW MAXX WATER SUCTION

### Application:

A heavy duty rubber suction hose for construction, quarries and general use. Suitable for full vacuum.

### Construction:

Tube - Black EPDM rubber  
 Reinforcement - Textile reinforced with heavy wire  
 Cover - Black EPDM rubber  
 Branding - Green Stripe "FLOW MAXX EPDM WATER SUCTION HOSE"

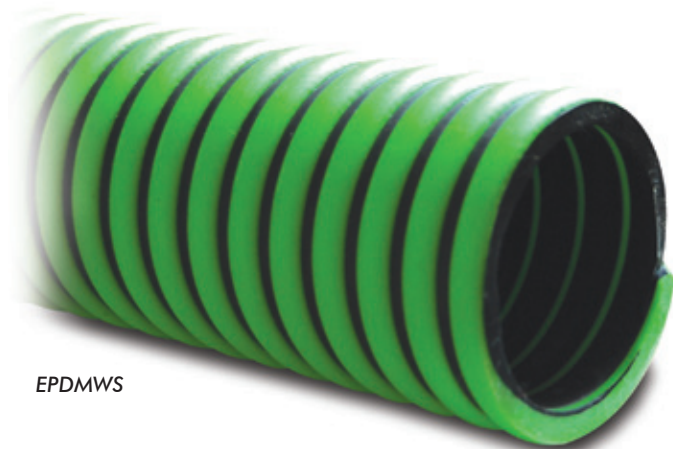
### Temperature Range:

-32°C to +82°C (-25°F to +180°F)

### Standard Lengths:

3/4" to 4"                      100ft cut to multiples of 5ft at no charge  
 5" to 6"                        100ft cut to multiples of 10ft at no charge  
 8" to 10"                      20ft and 40ft lengths

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
WS-.75	3/4	1.14	6	100	0.42
WS-1	1	1.38	8	100	0.53
WS-1.25	1-1/4	1.73	10	100	0.75
WS-1.5	1-1/2	1.97	12	100	0.87
WS-2	2	2.45	16	100	1.12
WS-2.5	2-1/2	2.99	23	100	1.37
WS-3	3	3.50	27	100	1.84
WS-3.5	3-1/2	4.10	31	75	2.62
WS-4	4	4.59	36	75	3.43
WS-5	5	5.61	45	75	4.81
WS-6	6	6.61	54	75	4.92
WS-8	8	8.87	72	50	9.92
WS-10	10	11.02	90	75	15.83
WS-12	12	13.00	120	75	18.83



EPDMWS

## EPDM WATER SUCTION

### Application:

Lightweight and flexible with abrasion resistant cover for agricultural chemicals and general industrial use. External helix provides for easy drag. Suitable for full vacuum.

### Construction:

Tube - Smooth, black (rubber) EPDM  
 Cover - Green polyethylene helix

### Temperature Range:

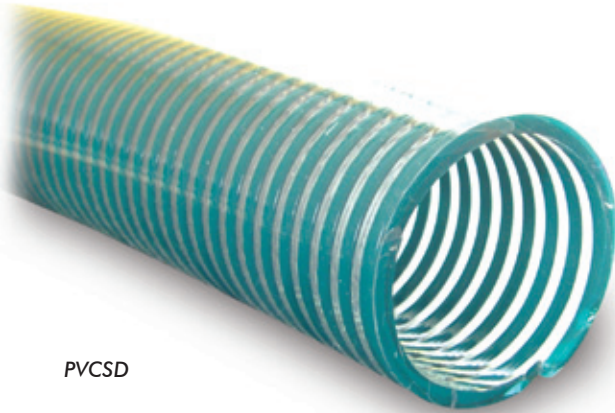
-40°C to +60°C (-40°F to +140°F)

### Standard Lengths:

1-1/2" - 4"                      100ft cut to multiples of 5ft at no charge  
 6"                                100ft cut to multiples of 10ft at no charge

Parts No.	I.D. Inches	O.D. Inches	Bend Radius(In.)	W.P. PSI	Approx. Wt. Per. Ft. Lbs.
EPDMWS-1	1	1.34	1.9	50	0.23
EPDMWS-1.25	1-1/4	1.65	3.2	50	0.34
EPDMWS-1.5	1-1/2	1.84	3.2	50	0.40
EPDMWS-2	2	2.43	5.2	50	0.67
EPDMWS-2.5	2-1/2	2.99	5.6	50	0.92
EPDMWS-3	3	3.52	7.1	43	1.10
EPDMWS-4	4	4.61	11.0	38	1.84
EPDMWS-6	6	6.81	20.0	23	3.07





PVCSD

## PVC WATER SUCTION & DISCHARGE GENERAL PURPOSE HEAVY DUTY

### Application:

For construction pumps, septic tank and marine pump out service, mining and quarry use. PVC is resistant to some chemicals, acids and alkalis. Suitable for full vacuum.

### Construction:

Tube - Smooth clear PVC  
Reinforcement - Green PVC Helix  
Cover - Clear PVC with excellent weather and abrasion resistance

### Temperature Range:

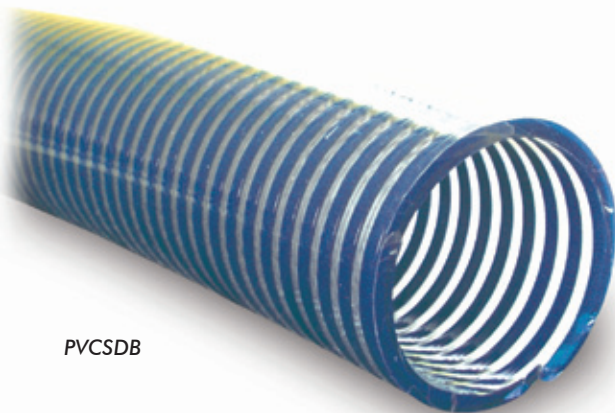
-20°C to +70°C (-4°F to +158°F)

### Standard Lengths:

1" - 6"      100ft cut to multiples of 5ft at no charge  
8"          20ft, no cutting

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PVCSD-.75	3/4	1.01	28	3	110	0.19
PVCSD-1	1	1.26	28	3	85	0.26
PVCSD-1.25	1-1/4	1.56	28	4	85	0.35
PVCSD-1.5	1-1/2	1.83	28	5	70	0.48
PVCSD-2	2	2.32	28	7	65	0.66
PVCSD-2.5	2-1/2	2.87	28	8	65	0.87
PVCSD-3	3	3.43	28	10	65	1.24
PVCSD-4	4	4.50	28	15	55	1.85
PVCSD-6	6	6.75	28	30	40	3.39
PVCSD-8	8	8.86	26	35	30	5.63

\* 6 and 8 inch come with a convoluted cover for greater flexibility.



PVCSDB

## PVC WATER SUCTION & DISCHARGE GENERAL PURPOSE STANDARD DUTY

### Application:

An economical PVC suction hose for dewatering, agricultural, septic and marine applications. This lightweight flexible hose has a blue helix combined with clear PVC that allows any products being transferred to be viewed. For tough applications using PVC suction hose use our General Purpose Heavy Duty PVC suction hose. (PVCSD)

### Construction:

Tube - Smooth clear PVC  
Reinforcement - Blue PVC Helix  
Cover - Clear PVC with excellent weather and abrasion resistance

### Temperature Range:

-20°C to +70°C (-4°F to +158°F)

### Standard Lengths:

1-1/2" - 3"      100ft cut to multiples of 5ft at no charge

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
PVCSDB-1.5	1-1/2	1.73	28	5	65	0.38
PVCSDB-2	2	2.22	28	6	60	0.56
PVCSDB-2.5	2-1/2	2.77	26	7	60	0.67
PVCSDB-3	3	3.33	26	9	60	0.99

# Water Suction Hose



TIGER-J

## TIGERFLEX TYPE 'J' PVC SUCTION HOSE

### Application:

For construction pumps, septic tank and marine pump out service, mining and quarry use. PVC is resistant to some chemicals, acids and alkalis. Series J is MSHA listed for flame resistance for use in mines.

### Construction:

Tube- Smooth olive green PVC  
Reinforcement- Green PVC helix  
Cover- Solid olive green PVC with excellent weather and abrasion resistance

### Temperature Range:

-20°C to +65°C (-4°F to +150°F)

### Standard Lengths:

3/4" to 4"- 100ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vaccum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TIGER-J-.75	3/4	1.01	28	3	110	0.19
TIGER-J-1	1	1.26	28	3	85	0.26
TIGER-J-1.5	1-1/2	1.83	28	5	70	0.48
TIGER-J-2	2	2.32	28	7	65	0.66
TIGER-J-3	3	3.43	28	10	60	1.24
TIGER-J-4	4	4.50	28	15	50	1.85

\* Other sizes available on request



TIGER-W

## TIGERFLEX TYPE 'W' H.D. PVC SUCTION HOSE

### Application:

Heavy duty service for fish suction, construction pumps, septic tank and marine pump out service, mining and quarry use. Convoluted cover provides increased flexibility. Sizes 4" and above are formulated with HMW PVC compound for greater flexibility in sub-zero temperatures.

### Construction:

Tube- Smooth clear PVC.  
Reinforcement- Grey PVC helix  
Cover- Clear PVC convoluted cover for increased flexibility. Weather and abrasion resistance

### Temperature Range:

1" to 3" -20°C to +65°C (-4°F to +150°F)  
4" to 12" -40°C to +65°C (-40°F to +150°F)

### Standard Lengths:

1-1/2" to 4"- 100ft no cutting  
5" to 6" - 100ft and 20ft no cutting  
8" to 12" - 40ft and 20ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vaccum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TIGER-W-1.5	1-1/2	1.85	FULL	2	50	0.34
TIGER-W-2	2	2.40	FULL	3	50	0.52
TIGER-W-2.5	2-1/2	2.99	FULL	4	45	0.77
TIGER-W-3	3	3.64	FULL	6	45	1.18
TIGER-W-4	4	4.76	FULL	8	35	1.92
TIGER-W-5	5	5.75	28	12	35	2.42
TIGER-W-6	6	7.00	28	14	30	3.76
TIGER-W-8	8	9.18	28	24	30	5.99
TIGER-W-10	10	11.56	28	39	25	9.74
TIGER-W-12	12	13.64	28	59	20	12.77

\* Other sizes available on request





# Water Suction Hose



BW

## TIGERFLEX LOW TEMP 'BW' PVC SUCTION HOSE

### Application:

BW is a low temp PVC suction hose designed to stay flexible at sub-zero temperatures. For service in construction pumps, septic tank and marine pump out service, mining and quarry use. PVC is resistant to some chemicals, acids and alkalis. Suitable for full vacuum service in certain sizes. An economical alternative to rubber hose.

### Construction:

Tube- Smooth clear HMW PVC for sub-zero flexibility  
 Reinforcement- Blue PVC helix  
 Cover- Smooth clear HMW PVC for sub-zero flexibility. Convoluted cover on 5" and 6" for greater flexibility

### Temperature Range:

-40°C to +65°C (-40°F to +150°F)

### Standard Lengths:

3/4" to 4" - 100ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
BW075	3/4	1.01	FULL	3	115	0.19
BW100	1	1.26	FULL	3	90	0.22
BW125	1-1/4	1.56	FULL	4	90	0.36
BW150	1-1/2	1.79	FULL	5	90	0.48
BW200	2	2.35	FULL	7	90	0.62
BW250	2-1/2	2.87	FULL	8	70	0.87
BW300	3	3.43	FULL	10	65	1.23
BW400	4	4.49	FULL	15	55	1.83
BW500	5	5.57	28	25	45	2.42
BW600	6	6.69	28	30	40	3.36



TIGER-H

## TIGERFLEX TYPE 'H' PVC SUCTION HOSE

### Application:

For construction pumps, septic tank and marine pump out service, mining and quarry use. PVC is resistant to some chemicals, acids and alkalis.

### Construction:

Tube- Smooth clear PVC  
 Reinforcement- White PVC helix  
 Cover- Clear PVC with excellent weather and abrasion resistance

### Temperature Range:

-20°C to +65°C (-4°F to +150°F)

### Standard Lengths:

3/4" to 4" - 100ft no cutting

Parts No.	I.D. Inches	O.D. Inches	Vacuum Rating (In. Hg) 68F	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TIGER-H-.75	3/4	1.01	28	3	110	0.19
TIGER-H-1	1	1.26	28	3	85	0.26
TIGER-H-1.25	1-1/4	1.56	28	4	85	0.35
TIGER-H-1.5	1-1/2	1.83	28	5	70	0.48
TIGER-H-2	2	2.32	28	7	65	0.66
TIGER-H-2.5	2-1/2	2.87	28	8	65	0.87
TIGER-H-3	3	3.43	28	10	60	1.24
TIGER-H-4	4	4.50	28	15	50	1.85
TIGER-H-5	5	5.58	28	22	45	2.42
TIGER-H-6	6	6.75	28	30	40	3.39

\* Other sizes available on request





# Water Suction Hose



TIGER

## TIGER TAIL PVC SUCTION

### Application:

Improved double helix design allows for superior flexibility and durability even in sub-zero temperatures. Designed to provide maximum abrasion protection for sewer jetting hose, expensive camera and utility inspection equipment. Recommended for Light Bulk Material Handling Applications.

### Construction:

Tube - Smooth interior increases flow efficiency even at sharp bends

Cover - Black and yellow tough abrasion resistant ribs

### Temperature Range:

-40°C to +60°C (-40°F to +140°F)

### Standard Lengths:

1-1/2" - 4" 25ft and 50ft lengths

Non-standard lengths - made to order

\* Price per foot includes Poly-welded leak proof cuffs each end.

Parts No.	I.D. Inches	Weight (lbs./ft)	Positive. PSI	Negative IN.HG	Bend Radius Inches
TIGER-1.5	1-1/2	.35	26	29	3.75
TIGER-2	2	.65	17	29	5.00
TIGER-3	3	1.20	12	29	8.00
TIGER-4	4	1.60	7	29	9.50



220RS

## 220RS RUBBER WATER SUCTION

### Application:

Lightweight and kink resistant for rough construction applications. Suitable for full vacuum.

### Construction:

Tube - Smooth black synthetic

Reinforcement - Rigid PVC helix

Cover - Smooth black abrasion resistant synthetic rubber

### Temperature Range:

-40°C to +60°C (-40°F to +140°F)

### Standard Lengths:

1-1/2" - 4" 100ft cut to multiples of 5ft at no charge

6" 100ft cut to multiples of 10ft at no charge

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per Ft. Lbs.
220RS-1.5	1-1/2	1.78	50	0.50
220RS-2	2	2.38	50	0.74
220RS-2.5	2-1/2	2.92	50	1.01
220RS-3	3	3.41	43	1.21
220RS-4	4	4.50	38	2.01
220RS-6	6	6.67	23	3.37



# Water Suction Hose



SR

## KANALINE SR SUCTION & DISCHARGE

### Application:

Heavy duty suction and discharge hose for use in fish suction and construction pumping.

### Construction:

Tube - Smooth clear PVC  
 Reinforcement - Braided synthetic yarn  
 Cover - External PVC helix provides abrasion resistance and easy dragging

### Temperature Range:

-25°C to +70°C (-13°F to +158°F)

### Standard Lengths:

6" 100ft cut to multiples of 10ft.  
 8" 25ft no cutting.  
 10" 20ft no cutting.

Parts No.	I.D. Inches	O.D. Inches	Bend Radius Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
SR-2	2	2.60	4.0	100	0.70
SR-3	3	3.70	6.3	100	1.13
SR-4	4	4.78	7.1	75	1.74
SR-6	6	7.17	10.2	70	3.88
SR-8	8	9.33	15.7	60	5.54
SR-10	10	11.63	24.8	40	8.68
SR-12	12	13.66	45.0	28	10.30



SPA

## SPA HOSE

### Application:

A very flexible hose designed for use in the installation of tubs, spas, swimming pools, filters, and similar water transfer applications.

### Construction:

Tube - Smooth PVC  
 Reinforcement - PVC helix  
 Cover - Solid cream PVC

### Temperature Range:

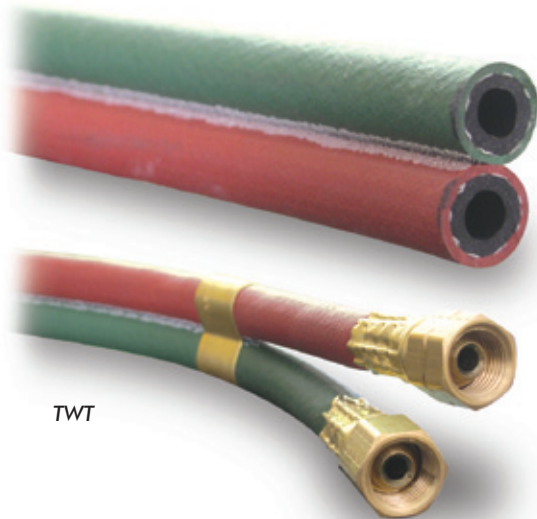
-20°C to +65°C (-4°F to +150°F)

### Standard Lengths:

100ft. No cutting

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI@21C (70F)	Approx. Wt. Per. Ft. Lbs.
SPA-.5	1/2	0.827	100	0.14
SPA-.75	3/4	1.055	100	0.21
SPA-1	1	1.320	100	0.27
SPA-1.25	1-1/4	1.665	80	0.36
SPA-1.5	1-1/2	1.904	70	0.41
SPA-2	2	2.381	70	0.59





TWT

## OXYTWIN WELDING - GRADE T

### Application:

For use with all fuel gases, where a flame and oil resistant tube and cover is required

### Construction:

Tube - Neoprene black

Cover - Neoprene pin pricked - one line red, one line green

Branding - "Size, Grade T Fuel Gas Std. Duty kx W.P. RMA IP-7-99 Date Code"

### Standard Lengths:

Multiples of 25ft, 700ft reels or coupled assemblies

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TWT-.25	1/4	0.53	200	0.24
TWT-.313	5/16	0.59	200	0.27
TWT-.375	3/8	0.66	200	0.31

### Coupled Assembly - Female welding stem and nut type "B" each end.

Coupled assemblies part numbers are TWT-SIZE-LENGTH  
i.e. for 1/4" Oxytwin Grade T Assembly x 25ft long  
part number = TWT-.25-25



TW

## OXYTWIN WELDING - GRADE R

### Application:

Acetylene use only where cover must resist abrasion, weather and ozone.

### Construction:

Tube - EPDM black

Cover - EPDM pin pricked - one line red, one line green

Branding - "Size, Grade R Acetylene Only Std. Duty W.P. RMA IP-7-99 Date Code"

### Standard Lengths:

Multiples of 25ft, 700ft reels or coupled assemblies

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
TW-.188	3/16	0.44	200	0.15
TW-.25	1/4	0.53	200	0.21
TW-.313	5/16	0.59	200	0.25
TW-.375	3/8	0.66	200	0.27

### Coupled Assembly - Female welding stem and nut type "B" each end.

Coupled assemblies part numbers are TW-SIZE-LENGTH  
i.e. for 1/4" Oxytwin Grade R Assembly x 25ft long  
part number = TW-.25-25



OXY

## OXYTUBE SINGLE LINE WELDING - OXYGEN HOSE - GRADE R

### Application:

For use with all fuel gases, where a flame and oil resistant tube and cover is required

### Construction:

Tube - Black EPDM rubber  
Reinforcement - Multi-spiral synthetic yarn  
Cover - Green corrugated EPDM pin pricked

### Standard Lengths:

Multiples of 25ft, 700ft reels and coupled assemblies

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
OXY-.188	3/16	0.44	200	0.08
OXY-.25	1/4	0.59	200	0.14
OXY-.313	5/16	0.66	200	0.16
OXY-.375	3/8	0.72	200	0.18

### Coupled Assembly - Female welding stem and nut type "B" each end.

Coupled assemblies part numbers are OXY-SIZE-LENGTH  
i.e. for 1/4" Oxygen Single Line Grade R Assembly x 25ft long  
Part number = OXY-.25-25



ACE

## OXYTUBE SINGLE LINE WELDING - ACETYLENE HOSE - GRADE R

### Application:

For use with all fuel gases, where a flame and oil resistant tube and cover is required

### Construction:

Tube - Black EPDM rubber  
Reinforcement - Multi-spiral synthetic yarn  
Cover - Red corrugated EPDM pin pricked

### Standard Lengths:

Multiples of 25ft, 700ft reels and coupled assemblies

Parts No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Approx. Wt. Per. Ft. Lbs.
ACE-.188	3/16	0.44	200	0.08
ACE-.25	1/4	0.59	200	0.14
ACE-.313	5/16	0.66	200	0.16
ACE-.375	3/8	0.72	200	0.18

### Coupled Assembly - Female welding stem and nut type "B" each end.

Coupled assemblies part numbers are ACE-SIZE-LENGTH  
i.e. for 1/4" Acetylene Grade R Assembly x 25ft long  
Part number = ACE-.25-25







**I.R.P. INDUSTRIAL RUBBER LTD.**



## **Couplings & Clamps Catalogue**

**MISSISSAUGA**

**EDMONTON**

**VANCOUVER**





## COMBINATION NIPPLES

### UNPLATED - HOSE SHANK X MALE NPT

Combination Nipples are widely used in a variety of low-pressure industrial hose applications. These fittings have a male NPT thread one end by hose barb. They are available in unplated steel and stainless steel. Victaulic grooved is also available when application involves piping systems.

**Combination Nipples are not suitable for compressible products such as air, steam or nitrogen.**



CN

Parts No.	Size Inches
CN-.5	1/2
CN-.75	3/4
CN-1	1
CN-1.25	1-1/4
CN-1.5	1-1/2
CN-2	2
CN-2.5	2-1/2
CN-3	3
CN-4	4
CN-5	5
CN-6	6
CN-8	8

### PLATED - HOSE SHANK X MALE NPT



CNP

Parts No.	Size Inches
CNP-.5	1/2
CNP-.75	3/4
CNP-1	1
CNP-1.25	1-1/4
CNP-1.5	1-1/2
CNP-2	2
CNP-2.5	2-1/2
CNP-3	3
CNP-4	4
CNP-5	5
CNP-6	6
CNP-8	8

Combination nipples are intended for low pressure discharge and suction service.  
**\*Not suitable for compressed air**



CNVG

## UNPLATED - HOSE SHANK X VIC. GROOVE

Combination Nipples are widely used in a variety of low-pressure industrial hose applications. These fittings have a male NPT thread one end by hose barb. They are available in unplated steel and stainless steel. Victaulic grooved is also available when application involves piping systems.

**Combination Nipples are not suitable for compressible products such as air, steam or nitrogen.**

Parts No.	Size Inches
CNVG-1.5	1-1/2
CNVG-2	2
CNVG-2.5	2-1/2
CNVG-3	3
CNVG-4	4
CNVG-6	6
CNVG-8	8



CNSS

## 316 STAINLESS STEEL - HOSE SHANK X MALE NPT

Combination Nipples are widely used in a variety of low-pressure industrial hose applications. These fittings have a male NPT thread one end by hose barb. They are available in unplated steel and stainless steel. Victaulic grooved is also available when application involves piping systems.

**Combination Nipples are not suitable for compressible products such as air, steam or nitrogen.**

Parts No.	Size Inches
CNSS-.5	1/2
CNSS-.75	3/4
CNSS-1	1
CNSS-1.25	1-1/4
CNSS-1.5	1-1/2
CNSS-2	2
CNSS-2.5	2-1/2
CNSS-3	3
CNSS-4	4



MENP

## PLATED STEEL MENDERS

Hose menders are used when two or more lengths of hose are to be joined together. These fittings are available in plated steel.

**Menders are not suitable for compressible products such as air, steam or nitrogen**

Parts No.	Size Inches	Length Inches
MENP-.5	1/2	3-1/2
MENP-.75	3/4	4-1/4
MENP-1	1	4-1/4
MENP-1.25	1-1/4	4-1/2
MENP-1.5	1-1/2	4-7/8
MENP-2	2	4-7/8
MENP-2.5	2-1/2	5-5/8
MENP-3	3	6-5/8
MENP-4	4	8-3/4
MENP-5	5	9
MENP-6	6	10
MENP-8	8	12
MENP-10	10	12

## HEX NIPPLES

### ZINC PLATED - HOSE SHANK X MALE NPT

Hex Nipples have long shanks for extra fitting retention and collars for interlocking clamps.



SHN

Parts No.	Shank Size Inches	NPT Size Inches
SHN-2501	1/4	1/8
SHN-2502	1/4	1/4
SHN-2504	1/4	3/8
SHN-2505	3/8	1/4
SHN-2506	3/8	3/8
SHN-2508	3/8	1/2
SHN-2509	1/2	1/4
SHN-2510	1/2	3/8
SHN-2512	1/2	1/2
SHN-2511	1/2	3/4
SHN-2513	3/4	1/2
SHN-2514	3/4	3/4
SHN-2516	1	3/4
SHN-2518	1	1



MBF

## MACHINED BRASS BARBS

### FEMALE STEMS

Parts No.	Shank Size Inches	NPT Size Inches
MBF-.25-.25	1/4	1/4
MBF-.375-.25	3/8	1/4
MBF-.375-.375	3/8	3/8
MBF-.5-.5	1/2	1/2



MBM

### MALE STEMS

Parts No.	Shank Size Inches	NPT Size Inches
MBM-.25-.25	1/4	1/4
MBM-.375-.25	3/8	1/4
MBM-.375-.375	3/8	3/8
MBM-.5-.5	1/2	1/2



MBS

### COMPLETE SETS

Parts No.	Shank Size Inches	NPT Size Inches
MBS-.25-.25	1/4	1/4
MBS-.375-.25	3/8	1/4
MBS-.375-.375	3/8	3/8
MBS-.5-.5	1/2	1/2

Machined brass barbs attached with brass ferrules or circle clamps.



LSBF

## LONG SHANK - FEMALE COMPONENTS

### MACHINED BRASS - NPSM FEMALE LOOSE

Parts No.	Size Inches
LSBF-1	1

### CAST BRASS - NPSM FEMALE LOOSE

Parts No.	Size Inches
LSBF-1.25	1-1/4
LSBF-1.5	1-1/2

### MACHINED BRASS - GHT FEMALE LOOSE

Parts No.	Size Inches
LSBFGH-.5	1/2
LSBFGH-.75	3/4



LSBM

## LONG SHANK - MALE COMPONENTS

### MACHINED BRASS - NPSM MALE LOOSE

Parts No.	Size Inches
LSBM-1	1
LSBM-1.25	1-1/4
LSBM-1.5	1-1/2



# Long & Short Shank Fittings



LSBS

## LONG SHANKS COMPLETE SETS

### MACHINED BRASS - NPSM

#### Complete Set Loose

Parts No.	Size Inches
LSBS-1	1

### CAST BRASS - NPSM

#### Complete Set Loose

Parts No.	Size Inches
LSBS-1.25	1-1/4
LSBS-1.5	1-1/2



GHS

## GARDEN HOSE COUPLINGS (Brass Plated Zinc)

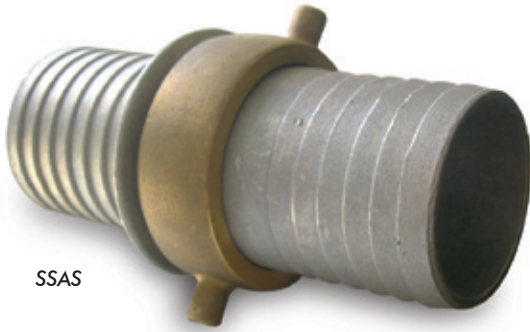
For garden hose use only at city water pressure.

### COMPLETE SET LOOSE

Parts No.	Size Inches
GHS-.75	3/4

### COMPLETE SET ATTACHED

Parts No.	Size Inches
GHS-.75	3/4



SSAS

## SHORT SHANKS - COMPLETE SETS

Short shank couplings are the most economical connections for water discharge hose assemblies. Brass for more corrosive products.

### ALUMINUM (FEMALE HAS BRASS SWIVEL NUT) - NPSM

#### Complete Set Loose

Parts No.	Size Inches
SSAS-1.5	1-1/2
SSAS-2	2
SSAS-2.5	2-1/2
SSAS-3	3
SSAS-4	4
SSAS-6	6



SSBS

## SHORT SHANKS - COMPLETE SETS

Short shank couplings are the most economical connections for water discharge hose assemblies. Brass for more corrosive products.

### BRASS - NPSM COMPLETE SET LOOSE

Parts No.	Size Inches
SSBS-1	1
SSBS-1.5	1-1/2



SSBSGH

### BRASS - G.H.T. COMPLETE SET LOOSE

Parts No.	Size Inches
SSBSGH-.5	1/2
SSBSGH-.75	3/4



SSW

## SHORT SHANK WASHERS

Parts No.	Size Inches
SSW-.5	1/2
SSW-.75	3/4
SSW-1	1
SSW-1.5	1-1/2
SSW-2	2
SSW-2.5	2-1/2
SSW-3	3
SSW-4	4
SSW-6	6

For garden hose couplings use 3/4" washers.

# Long & Short Shank Fittings



SSAF

## SHORT SHANKS - FEMALE COMPONENTS

Aluminum and Brass female components may be purchased individually. Female garden hose connector is made of machined brass; comes with rubber gasket.

### ALUMINUM ( BRASS SWIVEL NUT) - NPSM FEMALE LOOSE

Parts No.	Size Inches
SSAF-1.5	1-1/2
SSAF-2	2
SSAF-2.5	2-1/2
SSAF-3	3
SSAF-4	4
SSAF-6	6



SSBF

### BRASS - NPSM FEMALE LOOSE

Parts No.	Size Inches
SSBF-.75	3/4
SSBF-1	1
SSBF-1.5	1-1/2
SSBF-2	2
SSBF-2.5	2-1/2
SSBF-3	3
SSBF-4	4



SSBFGH

### BRASS G.H.T. FEMALE LOOSE

Parts No.	Size Inches
SSBFGH-.5	1/2
SSBFGH-.75	3/4



SSAM

## SHORT SHANKS - MALE COMPONENTS

Aluminum and Brass male components may be purchased individually. Male garden hose connector is made of machined brass; comes with rubber gasket.

### ALUMINUM - NPSM MALE LOOSE

Parts No.	Size Inches
SSAM-1.5	1-1/2
SSAM-2	2
SSAM-2.5	2-1/2
SSAM-3	3
SSAM-4	4
SSAM-6	6



SSBM

### BRASS - NPSM MALE LOOSE

Parts No.	Size Inches
SSBM-.75	3/4
SSBM-1	1
SSBM-1.5	1-1/2
SSBM-2	2
SSBM-2.5	2-1/2
SSBM-3	3
SSBM-4	4



SSBMGH

### BRASS G.H.T. MALE LOOSE

Parts No.	Size Inches
SSBMGH-.5	1/2
SSBMGH-.75	3/4



WHIP-L

## WHIP CHECK SAFETY CABLES - TO PREVENT HOSE WHIPPING

Parts No.	Description
WHIP-S	1/8" Cable for 1/2" to 1-1/4" O.D. hose
WHIP-L	1/4" Cable for 1-1/2" to 3" O.D. hose

Safety cables should be installed in the extended position with no slack. For air service the maximum working pressure is 200 PSI



FVS

## FOOT VALVE AND STRAINER

Foot valves and strainers are made from cast iron and have a leather or rubber flapper that closes to prevent the pump from losing its prime. Ideal for suction pumps using control floats.

Parts No.	Size Inches
FVS-1.5	1-1/2
FVS-2	2
FVS-2.5	2-1/2
FVS-3	3
FVS-4	4
FVS-6	6



BS

## BASKET STRAINERS WITHOUT VALVES

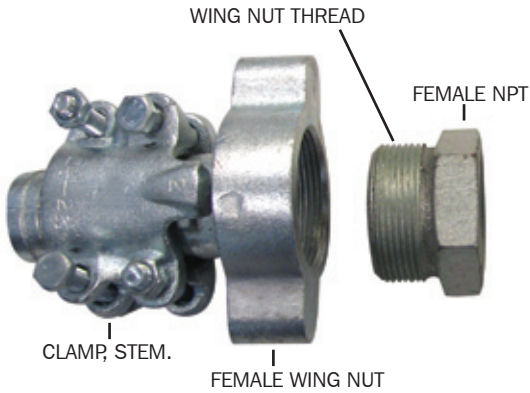
Round hole basket strainers are made from zinc plated metal. Strainers are used to allow adequate flow without allowing debris that may harm the pump. Non valved.

Parts No.	Size Inches
BS-1.5	1-1/2
BS-2	2
BS-2.5	2-1/2
BS-3	3
BS-4	4
BS-6	6

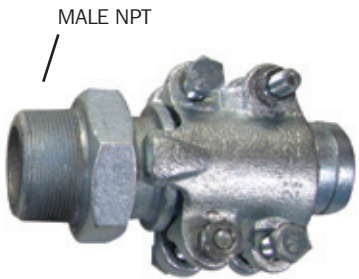


## GROUND JOINT COUPLINGS

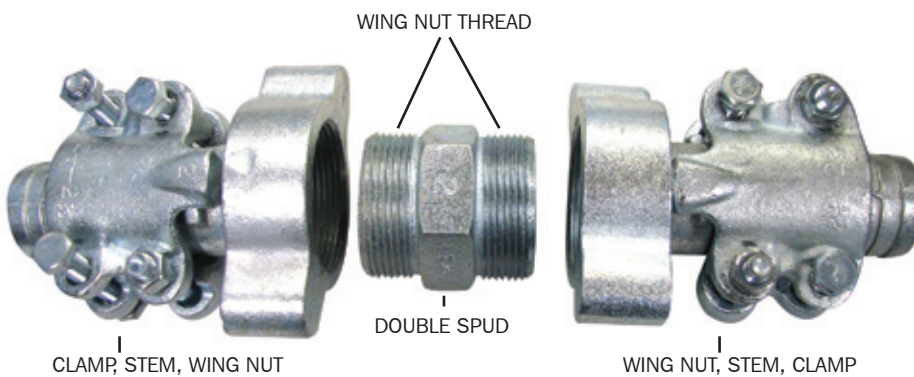
### FEMALE COMPLETE COUPLINGS C/W CLAMPS

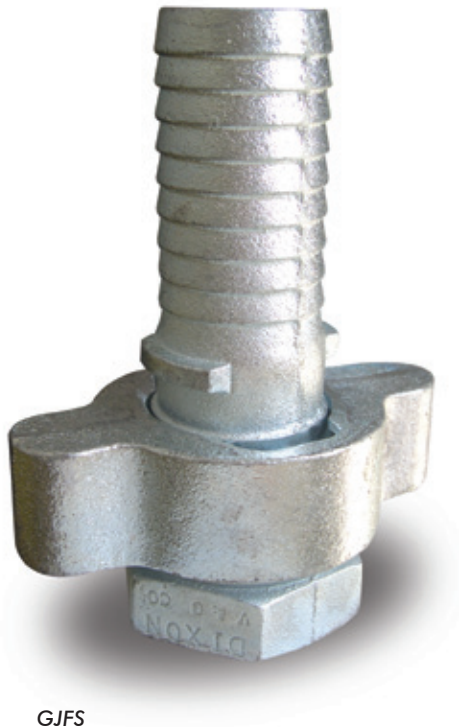


### MALE COUPLINGS C/W CLAMPS



### DOUBLE SPUD COUPLINGS C/W CLAMPS





GJFS

## GROUND JOINT COUPLINGS

Ground joint couplings are used in demanding applications such as steam and compressed air. The coarse thread and wing nuts allow for easy coupling in the field. The interlocking clamps lock over the collar on the hose stem to create excellent fitting retention. Male-Female and double spuds allow for a variety of configurations.

### COMPLETE FEMALE SPUD COUPLINGS C/W CLAMPS COMPLETE FEMALE LOOSE

Parts No.	Size Inches
GJFSWC-.5	1/2
GJFSWC-.75	3/4
GJFSWC-1	1
GJFSWC-1.25	1-1/4
GJFSWC-1.5	1-1/2
GJFSWC-2	2
GJFSWC-2.5	2-1/2
GJFSWC-3	3
GJFSWC-4	4

### COMPLETE FEMALE SPUD COUPLINGS - NO CLAMPS COMPLETE FEMALE LOOSE

Parts No.	Size Inches
GJFS-.5	1/2
GJFS-.75	3/4
GJFS-1	1
GJFS-1.25	1-1/4
GJFS-1.5	1-1/2
GJFS-2	2
GJFS-2.5	2-1/2
GJFS-3	3
GJFS-4	4



GJFST

## GROUND JOINT COUPLINGS

### FEMALE STEM

Parts No.	Size Inches
GJFST-.5	1/2
GJFST-.75	3/4
GJFST-1	1
GJFST-1.25	1-1/4
GJFST-1.5	1-1/2
GJFST-2	2
GJFST-2.5	2-1/2
GJFST-3	3
GJFST-4	4



GJWN

### WING NUT

Parts No.	Size Inches
GJWN-.5	1/2
GJWN-.75	3/4
GJWN-1	1
GJWN-1.25	1-1/4
GJWN-1.5	1-1/2
GJWN-2	2
GJWN-2.5	2-1/2
GJWN-3	3
GJWN-4	4



GJFSP

### FEMALE SPUD - WING NUT THREAD XNPT

Parts No.	Size Inches
GJFSP-.5	1/2
GJFSP-.75	3/4
GJFSP-1	1
GJFSP-1.25	1-1/4
GJFSP-1.5	1-1/2
GJFSP-2	2
GJFSP-2.5	2-1/2
GJFSP-3	3
GJFSP-4	4



GJMST

### MALE STEM

Parts No.	Size Inches
GJMST-.5	1/2
GJMST-.75	3/4
GJMST-1	1
GJMST-1.25	1-1/4
GJMST-1.5	1-1/2
GJMST-2	2
GJMST-2.5	2-1/2
GJMST-3	3
GJMST-4	4



HPM

## HIGH PRESSURE MENDERS

### LOOSE

Parts No.	Size Inches
HPM-.5	1/2
HPM-.75	3/4
HPM-1	1
HPM-1.25	1-1/4
HPM-1.5	1-1/2
HPM-2	2
HPM-2.5	2-1/2
HPM-3	3

\* Menders are attached with two high pressure interlocking clamps.



GJMSP

## GROUND JOINT MALE SPUDS

### MALE

Parts No.	Size Inches
GJMSP-.5	1/2
GJMSP-.75	3/4
GJMSP-1	1
GJMSP-1.25	1-1/4
GJMSP-1.5	1-1/2
GJMSP-2	2

Male spud-wing nut thread X NPT



GJDSP

## GROUND JOINT DOUBLE SPUDS

### DOUBLE

Parts No.	Size Inches
GJDSP-.75	3/4
GJDSP-1	1
GJDSP-1.25	1-1/4
GJDSP-1.5	1-1/2
GJDSP-2	2

Double spud-wing nut thread X wing nut thread

# High Pressure Ground Joint Couplings



GJCL - 2 BOLT CLAMPS

## HIGH PRESSURE INTERLOCKING CLAMPS

### 2-BOLT CLAMPS

Parts No.	Hose I.D. Inches	Hose O.D. Inches	
		From	To
GJCL-4	1/2	60/64	1-4/64
GJCL-U9	3/4	1-12/64	1-20/64



GJCL - 4 BOLT CLAMPS

### 4-BOLT CLAMPS

Parts No.	Hose I.D. Inches	Hose O.D. Inches	
		From	To
GJCL-U14	1	1-32/64	1-44/64
GJCL-19	1-1/4	2-4/64	2-16/64
GJCL-U24	1-1/2	2-12/64	2-24/64
GJCL-U29	2	2-32/64	2-50/64
GJCL-34	2-1/2	3-32/64	3-60/64
GJCL-35	3	3-52/64	4-4/64





UQAHE

## UNIVERSAL QUICK ACTING HOSE ENDS

Universal couplings are used in lower pressure air applications such as jackhammers. Simply press two universal ends together and twist until they are locked together. Male and female ends are available for installation to equipment. Not for pressure over 115 PSI

### 2-LUG

#### HOSE ENDS LOOSE

Parts No.	Size Inches
UQAHE-.375	3/8
UQAHE-.5	1/2
UQAHE-.75	3/4
UQAHE-1	1

### 4-LUG

#### HOSE ENDS LOOSE

Parts No.	Size Inches
UQAHE-1.25	1-1/4
UQAHE-1.5	1-1/2
UQAHE-2	2

\* Attached with centre punch clamps



UQABE

## BLANK ENDS

### BLANK ENDS 2-LUG

Parts No.
UQABE



UQATC

## TRIPLE CONNECTORS

### TRIPLE CONNECTORS 2-LUG

Parts No.
UQATC





UQAFE

## UNIVERSAL QUICK ACTING FEMALE & MALE ENDS CADIUM PLATED MALLEABLE IRON

Universal couplings are used in lower pressure air applications such as jackhammers. Simply press two universal ends together and twist until they are locked together. Male and female ends are available for installation to equipment. Not for pressure over 115 PSI

### FEMALE ENDS

2-LUG		4-LUG	
Parts No.	Size Inches	Parts No.	Size Inches
UQAFE-.25	1/4	UQAFE-1.25	1-1/4
UQAFE-.375	3/8	UQAFE-1.5	1-1/2
UQAFE-.5	1/2	UQAFE-2	2
UQAFE-.75	3/4		
UQAFE-1	1		



UQAME

### MALE ENDS

2-LUG	
Parts No.	Size Inches
UQAME-.25	1/4
UQAME-.375	3/8
UQAME-.5	1/2
UQAME-.75	3/4
UQAME-1	1



UQAWB



UQAWR

### WASHERS

Parts No.	Size Inches	Colour
UQAWB-.375-1	3/8-1	BLACK (Regular)
UQAWR-.375-1	3/8-1	RED (Oil Resistant)
UQAWB-1.25-2	1-1/4-2	BLACK (Regular)



SDBL

## SANDBLAST COUPLINGS - ALUMINUM

Aluminum sandblast couplings have a universal style coupling method and are designed to fit snugly over the outside of the sandblast hose. The coupling is attached to the exterior with screws. This design allows for the full flow of media through the hose.

### COUPLING LOOSE

Parts No.	Hose I.D. Inches	Hose O.D. Inches	Coupling Number
SDBL-.75	3/4	1-1/2	Q1
SDBL-1	1	1-7/8	Q2
SDBL-1.25	1-1/4	2-5/32	Q3
SDBL-1.5	1-1/2	2-3/8	Q4

### WASHERS

Parts No.	Hose I.D. Inches
SDBLW-.5-1.5	1/2-1-1/2



SBN

## NOZZLE HOLDER COUPLING - ALUMINUM 1-1/4" FEMALE THREAD

Aluminum Nozzle holders are designed to fit over the hose and accept threaded nozzles.

### COUPLING LOOSE

Parts No.	Hose I.D. Inches	Hose O.D. Inches	Coupling Number
SBN-.75	3/4	1-1/2	HE1
SBN-1	1	1-7/8	HE2
SBN-1.25	1-1/4	2-5/32	HE3
SBN-1.5	1-1/2	2-3/8	HE4

# Cam & Groove Fittings

## CAM & GROOVE COUPLINGS



**PART "A"**  
MALE ADAPTER X FEMALE NPT



**PART "B"**  
FEMALE COUPLER X MALE NPT



**PART "C"**  
FEMALE COUPLER X HOSE SHANK



**PART "D"**  
FEMALE COUPLER X FEMALE NPT



**PART "E"**  
MALE ADAPTER X HOSE SHANK



**PART "F"**  
MALE ADAPTER X MALE NPT



**PART "DC"**  
DUST CAP



**PART "DP"**  
DUST PLUG

## MAXIMUM PRESSURE RATING PSI FOR CAM & GROOVE COUPLINGS

Size Inches	Aluminum/Brass	Stainless	Polypropylene
1/2	150	150	125
3/4	250	250	125
1	250	250	125
1-1/4	250	250	100
1-1/2	250	250	100
2	250	250	100
2-1/2	150	225	N/A
3	125	200	75
4	100	100	75
6	75	100	N/A

**CAM AND GROOVE COUPLINGS SHOULD NEVER BE USED FOR  
STEAM OR COMPRESSED AIR.**

# Cam & Groove Fittings



## ALUMINUM CAM & GROOVE COUPLINGS

Aluminum cam type couplers are the most popular couplers in the industry for transfer of water and other non-corrosive fluids. Available in sizes from 1/2" to 8"

**\*\* Not for use with compressed air \*\***

**PART NUMBER = PREFIX - SIZE (in decimal equiv.)** i.e. 1/2" Part B = CGAB-.5

**ATTACHED PART NUMBER = PREFIXA - SIZE** i.e. 1/2" Part C att'd = CGACA-.5

Size Inches	Part A CGAA	Part B CGAB	Part C CGAC	Part D CGAD	Part E CGAE	Part F CGAF	Part DC CGADC	Part DP CGADP
1/2	CGAA-.5	CGAB-.5	CGAC-.5	CGAD-.5	CGAE-.5	CGAF-.5	CGADC-.5	CGADP-.5
3/4	CGAA-.75	CGAB-.75	CGAC-.75	CGAD-.75	CGAE-.75	CGAF-.75	CGADC-.75	CGADP-.75
1	CGAA-1	CGAB-1	CGAC-1	CGAD-1	CGAE-1	CGAF-1	CGADC-1	CGADP-1
1-1/4	CGAA-1.25	CGAB-1.25	CGAC-1.25	CGAD-1.25	CGAE-1.25	CGAF-1.25	CGADC-1.25	CGADP-1.25
1-1/2	CGAA-1.5	CGAB-1.5	CGAC-1.5	CGAD-1.5	CGAE-1.5	CGAF-1.5	CGADC-1.5	CGADP-1.5
2	CGAA-2	CGAB-2	CGAC-2	CGAD-2	CGAE-2	CGAF-2	CGADC-2	CGADP-2
2-1/2	CGAA-2.5	CGAB-2.5	CGAC-2.5	CGAD-2.5	CGAE-2.5	CGAF-2.5	CGADC-2.5	CGADP-2.5
3	CGAA-3	CGAB-3	CGAC-3	CGAD-3	CGAE-3	CGAF-3	CGADC-3	CGADP-3
4	CGAA-4	CGAB-4	CGAC-4	CGAD-4	CGAE-4	CGAF-4	CGADC-4	CGADP-4
5	CGAA-5	CGAB-5	CGAC-5	CGAD-5	CGAE-5	CGAF-5	CGADC-5	CGADP-5
6	CGAA-6	CGAB-6	CGAC-6	CGAD-6	CGAE-6	CGAF-6	CGADC-6	CGADP-6



## STAINLESS STEEL CAM & GROOVE COUPLINGS

Stainless steel cam type couplers are made of 316 Stainless Steel. Our most chemical and corrosion resistant cam type. Available in sizes from 1/2" to 6"

**\*\* Not for use with compressed air \*\***

**PART NUMBER = PREFIX - SIZE (in decimal equiv.)** i.e. 1/2" Part A = CGSA-.5

**ATTACHED PART NUMBER = PREFIXA - SIZE** i.e. 1/2" Part C att'd = CGSCA-.5

Size Inches	Part A CGSA	Part B CGSB	Part C CGSC	Part D CGSD	Part E CGSE	Part F CGSF	Part DC CGSDC	Part DP CGSDP
1/2	CGSA-.5	CGSB-.5	CGSC-.5	CGSD-.5	CGSE-.5	CGSF-.5	CGSDC-.5	CGSDP-.5
3/4	CGSA-.75	CGSB-.75	CGSC-.75	CGSD-.75	CGSE-.75	CGSF-.75	CGSDC-.75	CGSDP-.75
1	CGSA-1	CGSB-1	CGSC-1	CGSD-1	CGSE-1	CGSF-1	CGSDC-1	CGSDP-1
1-1/4	CGSA-1.25	CGSB-1.25	CGSC-1.25	CGSD-1.25	CGSE-1.25	CGSF-1.25	CGSDC-1.25	CGSDP-1.25
1-1/2	CGSA-1.5	CGSB-1.5	CGSC-1.5	CGSD-1.5	CGSE-1.5	CGSF-1.5	CGSDC-1.5	CGSDP-1.5
2	CGSA-2	CGSB-2	CGSC-2	CGSD-2	CGSE-2	CGSF-2	CGSDC-2	CGSDP-2
2-1/2	CGSA-2.5	CGSB-2.5	CGSC-2.5	CGSD-2.5	CGSE-2.5	CGSF-2.5	CGSDC-2.5	CGSDP-2.5
3	CGSA-3	CGSB-3	CGSC-3	CGSD-3	CGSE-3	CGSF-3	CGSDC-3	CGSDP-3
4	CGSA-4	CGSB-4	CGSC-4	CGSD-4	CGSE-4	CGSF-4	CGSDC-4	CGSDP-4
5	CGSA-5	CGSB-5	CGSC-5	CGSD-5	CGSE-5	CGSF-5	CGSDC-5	CGSDP-5
6	CGSA-6	CGSB-6	CGSC-6	CGSD-6	CGSE-6	CGSF-6	CGSDC-6	CGSDP-6





## BRASS CAM & GROOVE COUPLINGS

Brass cam type couplers are used in applications where the media being transferred is corrosive and non-sparking is required. Examples of applications are marine refueling and steel mills. Available in sizes from 1/2" to 6"

**\*\* Not for use with compressed air \*\***

**PART NUMBER = PREFIX - SIZE (in decimal equiv.)** i.e. 1/2" Part A = CGBA-.5

**ATTACHED PART NUMBER = PREFIXA - SIZE** i.e. 1/2" Part C att'd = CGBCA-.5

Size Inches	Part A CGBA	Part B CGBB	Part C CGBC	Part D CGBD	Part E CGBE	Part F CGBF	Part DC CGBDC	Part DP CGBDP
1/2	CGBA-.5	CGBB-.5	CGBC-.5	CGBD-.5	CGBE-.5	CGBF-.5	CGBDC-.5	CGBDP-.5
3/4	CGBA-.75	CGBB-.75	CGBC-.75	CGBD-.75	CGBE-.75	CGBF-.75	CGBDC-.75	CGBDP-.75
1	CGBA-1	CGBB-1	CGBC-1	CGBD-1	CGBE-1	CGBF-1	CGBDC-1	CGBDP-1
1-1/4	CGBA-1.25	CGBB-1.25	CGBC-1.25	CGBD-1.25	CGBE-1.25	CGBF-1.25	CGBDC-1.25	CGBDP-1.25
1-1/2	CGBA-1.5	CGBB-1.5	CGBC-1.5	CGBD-1.5	CGBE-1.5	CGBF-1.5	CGBDC-1.5	CGBDP-1.5
2	CGBA-2	CGBB-2	CGBC-2	CGBD-2	CGBE-2	CGBF-2	CGBDC-2	CGBDP-2
2-1/2	CGBA-2.5	CGBB-2.5	CGBC-2.5	CGBD-2.5	CGBE-2.5	CGBF-2.5	CGBDC-2.5	CGBDP-2.5
3	CGBA-3	CGBB-3	CGBC-3	CGBD-3	CGBE-3	CGBF-3	CGBDC-3	CGBDP-3
4	CGBA-4	CGBB-4	CGBC-4	CGBD-4	CGBE-4	CGBF-4	CGBDC-4	CGBDP-4
5	CGBA-5	CGBB-5	CGBC-5	CGBD-5	CGBE-5	CGBF-5	CGBDC-5	CGBDP-5
6	CGBA-6	CGBB-6	CGBC-6	CGBD-6	CGBE-6	CGBF-6	CGBDC-6	CGBDP-6



## GLASS REINFORCED POLYPROPYLENE CAM & GROOVE COUPLINGS

Glass reinforced cam type couplings are lightweight and have good chemical resistance to a wide variety of agricultural chemicals. All sizes come with S.S. Arms. Available in sizes from 1/2" to 6"

**\*\* Not for use with compressed air \*\***

**PART NUMBER = PREFIX - SIZE (in decimal equiv.)** i.e. 1/2" Part A = CGPA-.5

**ATTACHED PART NUMBER = PREFIXA - SIZE** i.e. 1/2" Part C att'd = CGPCSA-.5

Size Inches	Part A CGPA	Part B CGPB	Part C CGPC	Part D CGPD	Part E CGPE	Part F CGPF	Part DC CGPDC	Part DP CGPDP
1/2	CGPA-.5	CGPBS-.5	CGPCS-.5	CGPDS-.5	CGPE-.5	CGPF-.5	CGPDCS-.5	CGPDP-.5
3/4	CGPA-.75	CGPBS-.75	CGPCS-.75	CGPDS-.75	CGPE-.75	CGPF-.75	CGPDCS-.75	CGPDP-.75
1	CGPA-1	CGPBS-1	CGPCS-1	CGPDS-1	CGPE-1	CGPF-1	CGPDCS-1	CGPDP-1
1-1/4	CGPA-1.25	CGPBS-1.25	CGPCS-1.25	CGPDS-1.25	CGPE-1.25	CGPF-1.25	CGPDCS-1.25	CGPDP-1.25
1-1/2	CGPA-1.5	CGPBS-1.5	CGPCS-1.5	CGPDS-1.5	CGPE-1.5	CGPF-1.5	CGPDCS-1.5	CGPDP-1.5
2	CGPA-2	CGPBS-2	CGPCS-2	CGPDS-2	CGPE-2	CGPF-2	CGPDCS-2	CGPDP-2
3	CGPA-3	CGPBS-3	CGPCS-3	CGPDS-3	CGPE-3	CGPF-3	CGPDCS-3	CGPDP-3
4	CGPA-4	CGPBS-4	CGPCS-4	CGPDS-4	CGPE-4	CGPF-4	CGPDCS-4	CGPDP-4

\* 1/2" have 3/4" couplers and adapters  
1- 1/4" have 1-1/2" couplers and adapters



# Cam & Groove Fittings



## ALUMINUM REDUCER - ADAPTER X FEMALE NPT

Parts No.	Size Inches
CGA-3020A	3 x 2
CGA-4030A	4 x 3



## ALUMINUM REDUCER - COUPLER X MALE NPT

Parts No.	Size Inches
CGA-4030B	4 x 3



## ALUMINUM REDUCER - COUPLER X HOSE SHANK

Parts No.	Size Inches
CGA-3020C	3 x 2
CGA-3040C	3 x 4
CGA-4030C	4 x 3



## ALUMINUM REDUCER - ADAPTER X HOSE SHANK

Parts No.	Size Inches
CGA-3020E	3 x 2
CGA-4030E	4 x 3



## ALUMINUM REDUCER - COUPLER X ADAPTER

Parts No.	Size Inches
CGA-3020DA	3 x 2
CGA-3040DA	3 x 4
CGA-4030DA	4 x 3
CGA-4060DA	4 x 6
CGA-6040DA	6 x 4



## STAINLESS REDUCER - COUPLER X ADAPTER

Parts No.	Size Inches
CGS-3020DA	3 x 2
CGS-4030DA	4 x 3

# Cam & Groove Fittings



CGA-3030AA

## ALUMINUM SPOOL - ADAPTER X ADAPTER

Parts No.	Size Inches
CGA-2020AA	2 x 2
CGA-2030AA	2 x 3
CGA-3030AA	3 x 3
CGA-3040AA	3 x 4
CGA-4060AA	4 x 6

## STAINLESS SPOOL - ADAPTER X ADAPTER

Parts No.	Size Inches
CGS-2020AA	2 x 2
CGS-3030AA	3 x 3



CGA-3030DD

## ALUMINUM SPOOL - COUPLER X COUPLER

Parts No.	Size Inches
CGA-2020DD	2 x 2
CGA-3030DD	3 x 3
CGA-4040DD	4 x 4

## STAINLESS SPOOL - COUPLER X COUPLER

Parts No.	Size Inches
CGS-2020DD	2 x 2
CGS-3030DD	3 x 3



CGWN

## BUNA N (NITRILE CAM & GROOVE WASHERS)

Temperature Range: -40°C to 107°C (-40°F to 225°F)

Parts No.	Size Inches
CGWN-.5	1/2
CGWN-.75	3/4
CGWN-1	1
CGWN-1.25	1-1/4
CGWN-1.5	1-1/2
CGWN-2	2
CGWN-2.5	2-1/2
CGWN-3	3
CGWN-4	4
CGWN-5	5
CGWN-6	6



CGHRPA

## CAM ARM ASSEMBLIES

### FOR ALUMINUM CAM & GROOVE

Parts No.	Size Inches
CGHRPA-.5-.75	1/2-3/4
CGHRPA-1	1
CGHRPA-1.25-2.5	1-1/4-2-1/2
CGHRPA-3-4	3-4
CGHRPA-6	6

### FOR STAINLESS CAM & GROOVE

Parts No.	Size Inches
CGHRPS-.5-.75	1/2-3/4
CGHRPS-1	1
CGHRPS-1.25-2.5	1-1/4-2-1/2
CGHRPS-3-4	3-4
CGHRPS-6	6



CGHRPS



NATHS

## NATIONAL SERIES A - ZINC PLATED STEEL

These safety fittings have a double lock system to ensure maximum safety against accidental uncoupling.

### HOSE ENDS WITH LOCKING SLEEVE

Parts No.	Size Inches	Thor Part Number	WT.EA. lbs.
NATHS-6	3/8	2070	0.49
NATHS-8	1/2	2071	0.52
NATHS-12	3/4	2072	0.58
NATHS-16	1	22657	1.02



NATHMS

### MALE PIPE THREAD. NO LOCKING SLEEVE

Parts No.	Size Inches	Thor Part Number	WT.EA. lbs.
NATMS-6	3/8	2073	0.35
NATMS-8	1/2	2074	0.36
NATMS-12	3/4	2075	0.45
NATMS-16	1	2076	0.78



NATHMLS

### MALE PIPE THREAD WITH LOCKING SLEEVE

Parts No.	Size Inches	Thor Part Number	WT.EA. lbs.
NATMLS-6	3/8	101049	0.46
NATMLS-8	1/2	72569	0.52
NATMLS-12	3/4	22434	0.74



NATHFS

## NATIONAL SERIES A - ZINC PLATED STEEL

These safety fittings have a double lock system to ensure maximum safety against accidental uncoupling.

### FEMALE PIPE THREAD. NO LOCKING SLEEVE

Parts No.	Size Inches	Thor Part Number	WT.EA. lbs.
NATFS-6	3/8	2077	0.31
NATFS-8	1/2	2078	0.42
NATFS-12	3/4	2079	0.52



NATHFLS

### FEMALE PIPE THREAD. WITH LOCKING SLEEVE

Parts No.	Size Inches	Thor Part Number	WT.EA. lbs.
NATFLS-8	1/2	-	0.50
NATFLS-12	3/4	22081	0.62



NATG

### NITRILE GASKET

Parts No.	Thor Part Number
NATG-100	2081



NAT200

### LOCKING KEYS

Parts No.	Compatibility
NAT201-S	NATMLS-12, NATFLS-8, NATFLS-12
NAT200-S	FITS ALL OTHER COUPLINGS
NAT203-W	SPRING LOCK

Locking sleeve models are recommended. Non-locking sleeve models must have a positive means, such as a chain or whipcheck, added by the user to prevent the tool or hose from being accidentally disconnected.



SELFM

## SELF RETRACTING AIR HOSE FITTINGS

Brass Self Retracting Fittings are used on our Nylon Self Retracting Air Hose.

Parts No.	Size Inches	Thread Style
SELFM-.25	1/4	MALE
SELFM-.375	3/8	MALE
SELFM-.5	1/2	MALE
SELFM-.75	3/4	MALE



RN

## RUBBER NOZZLES

IRP's rubber nozzles come with a moulded in hose mender to allow for easy hook up. These nozzles are made from white SBR/Natural blended rubber.

Parts No.	Size Inches
RN-.75	3/4
RN-1	1

Nozzle with mender for attachment to hose.



MHS

## MINING HOSE STEMS

Mining hose fittings are mainly used for underground air/water service in the mining industry. These fittings are made from zinc plated steel.

### STEM LOOSE

Parts No.	Size Inches
MHS-.5	1/2 x 1/2
MHS-.5-1	1/2 x 1
MHS-.75-1	3/4 x 1
MHS-1	1x 1
MHS-1.25	1-1/4 x 1-1/4
MHS-1.5	1-1/2 x 1-1/2
MHS-1.5-XL	1-1/2 x 1-1/2 - Extra Long
MHS-2	2 x 2
MHS-2-XL	2 x 2 - Extra Long



MHN

## MINING HOSE HEX NUTS

Mining hose stems and nuts are used on compressed air hoses in mining applications.

Parts No.	Size Inches
MHN-.5	1/2
MHN-1	1
MHN-1.25	1-1/4
MHN-1.5	1-1/2
MHN-2	2



MHJ

## MINING HOSE JOINERS

Mining hose fittings are mainly used for underground air/water service in the mining industry. These fittings are made from zinc plated steel.

Parts No.	Size Inches
MHJ-.5	1/2
MHJ-.75	3/4
MHJ-1	1
MHJ-1.25	1-1/4
MHJ-1.25-8	1-1/4 - Extra Long
MHJ-1.5	1-1/2
MHJ-1.5-8	1-1/2 - Extra Long
MHJ-2	2
MHJ-2-8	2- Extra Long



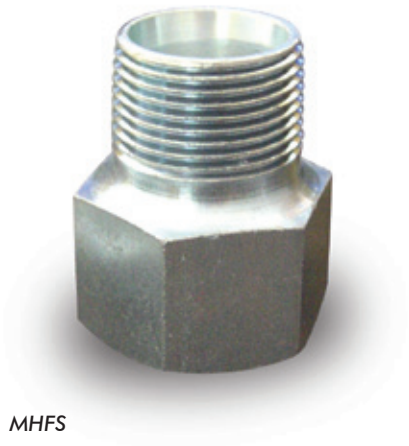
PN

## PIPE NIPPLE

Pipe nipples are used to join two mining hose nuts to connect assemblies together.

Parts No.	Size Inches
PN-1	1





MHFS

## MINING HOSE FEMALE SPUDS

### HEX NUTS

Parts No.	Size Inches Female NPT X Nut Thread
MHFS-.375-1	3/8 x 1
MHFS-.75-1	3/4 x 1
MHFS-.75-1.25	3/4 x 1-1/4
MHFS-1-1	1 x 1



BALL

## BRASS BALL VALVES - FULL PORT

600 WOG (water, oil, gas)

### Construction:

- Forged brass construction
- Chrome plated brass ball
- Teflon seat, seals & washers
- Integrated locking handle
- Blow out proof stem

### Temperature:

-40°C to +150°C (-40°F to +302°F)

Part #	Size Inches
BALL-.25	1/4
BALL-.375	3/8
BALL-.5	1/2
BALL-.75	3/4
BALL-1	1
BALL-1.25	1-1/4
BALL-1.5	1-1/2
BALL-2	2
BALL-2.5	2-1/2
BALL-3	3
BALL-4	4



BALL-SS

## 316 STAINLESS STEEL BALL VALVES

1000 WOG (water, oil, gas)

### Construction:

- 316 stainless steel body and stem
- ASTM-CF8-A351 stainless ball
- Teflon seat, seals & washers
- Integrated locking handle
- Blow out proof stem

### Temperature:

-51°C to +232°C (-60°F to +450°F)

Part #	Size Inches
BALL-SS-.25	1/4
BALL-SS-.375	3/8
BALL-SS-.5	1/2
BALL-SS-.75	3/4
BALL-SS-1	1
BALL-SS-1.25	1-1/4
BALL-SS-1.5	1-1/2
BALL-SS-2	2



PREF

## PREFORMED CLAMPS

### HIGH-STRENGTH GALV. CARBON STEEL - 5/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
PREF-4	1	100
PREF-5	1-1/4	100
PREF-6	1-1/2	100
PREF-7	1-3/4	100
PREF-8	2	100
PREF-9	2-1/4	100
PREF-10	2-1/2	50
PREF-11	2-3/4	50
PREF-12	3	50
PREF-14	3-1/2	50
PREF-16	4	25
PREF-18	4-1/2	25
PREF-20	5	25
PREF-24	6	25
PREF-28	7	25
PREF-32	8	25

### 201-STEEL - 3/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
PREF-3	13/16	100
PREF-311	1-3/8	100

### STAINLESS STEEL - 5/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
PREF-4S	1	100
PREF-5S	1-1/4	100
PREF-6S	1-1/2	100
PREF-7S	1-3/4	100
PREF-8S	2	100
PREF-9S	2-1/4	100
PREF-10S	2-1/2	50
PREF-11S	2-3/4	50
PREF-12S	3	50
PREF-14S	3-1/2	50
PREF-16S	4	25
PREF-18S	4-1/2	25
PREF-20S	5	25
PREF-24S	6	25

### STAINLESS STEEL - 3/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
PREF-3S	13/16	100
PREF-311S	1-3/8	100





## OPEN END CLAMPS

### STEEL - 5/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
OPEN-8	2	100
OPEN-10	2-1/2	50
OPEN-12	3	50
OPEN-14	3-1/2	50
OPEN-16	4	25
OPEN-18	4-1/2	25
OPEN-20	5	25
OPEN-24	6	25
OPEN-28	7	25
OPEN-32	8	25
OPEN-36	9	25
OPEN-40	10	25
OPEN-48	12	25

### STEEL - 3/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
OPEN-311	1-3/8	100
OPEN-316	2	100
OPEN-325	3-3/8	100

\* 10% surcharge on non-standard box quantities.

### STAINLESS STEEL - 5/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
OPEN-8S	2	100
OPEN-10S	2-1/2	50
OPEN-12S	3	50
OPEN-14S	3-1/2	50
OPEN-16S	4	25
OPEN-18S	4-1/2	25
OPEN-20S	5	25
OPEN-24S	6	25
OPEN-28S	7	25
OPEN-32S	8	25
OPEN-36S	9	25
OPEN-40S	10	25
OPEN-48S	12	25

### STAINLESS STEEL - 3/8" WIDE

Parts No.	Inside Diameter Inches	Standard Package
OPEN-311S	1-3/8	100
OPEN-316S	2	100
OPEN-325S	3-3/8	100

\* 10% surcharge on non-standard box quantities.



## STRAPPING AND BUCKLES

### STRAPPING

Parts No.	Size Inches	Gauge Inches
STRP-203	3/8	.025
STRP-204	1/2	.030
STRP-205	5/8	.030
STRP-206	3/4	.030

### BUCKLES

Parts No.	Size Inches	Gauge Inches
BUK-253	3/8	.025
BUK-254	1/2	.030
BUK-255	5/8	.030
BUK-256	3/4	.030

## TOOLS



**PB-001 BANDING TOOL**  
PART NUMBER: TOOL-001



**CENTRE PUNCH LOCKING TOOL (NO MALLET)**  
PART NUMBER: PLP-1



**P38 CENTRE PUNCH LOCKING TOOL**  
PART NUMBER: PLP-38



**CENTRE PUNCH LOCKING TOOL**  
PART NUMBER: P-1000



MH

## MH GEAR CLAMPS

For use in applications where space is limited. Not recommended for underground applications. 1/4" slotted HEX head screw & 5/16" wide band. 301 stainless steel band and housing. Carbon steel screw.

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
MH-4	10	1000	7/32	7/16	5/8
MH-5	10	1000	7/16	1/2	11/16
MH-6	10	1000	5/16	5/8	7/8
MH-8	10	1000	7/16	3/4	1
MH-10	10	1000	1/2	3/4	1-1/16
MH-12	10	500	9/16	13/16	1-1/4
MH-16	10	500	11/16	1-1/16	1-1/2
MH-20	10	500	7/8	1-5/16	1-3/4
MH-24	10	500	1-5/16	1-5/8	2
MH-28	10	500	1-9/16	1-7/8	2-1/4
MH-32	10	500	1-13/16	2-1/8	2-1/2
MH-36	10	500	2-1/16	1-7/16	2-3/4



MAS-6

## MAH & MAS GEAR CLAMPS

For use in corrosive applications where space is limited. Recommended for underground applications.

- MAH-** 1/4" slotted HEX head screw & 5/16" wide band.  
301 stainless steel band and housing. 410 stainless steel screw.
- MAS-** 1/4" slotted HEX head screw & 5/16" wide band.  
301 stainless steel band, housing and screw.

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
MAS-4	10	1000	7/32	7/16	5/8
MAS-6	10	1000	5/16	5/8	7/8
MAH-4	10	1000	7/32	7/16	5/8
MAH-6	10	1000	5/16	5/8	7/8
MAH-8	10	1000	7/16	3/4	1
MAH-10	10	1000	1/2	3/4	1-1/16
MAH-12	10	500	9/16	13/16	1-1/4
MAH-16	10	500	11/16	1-1/16	1-1/2
MAH-20	10	500	7/8	1-5/16	1-3/4
MAH-24	10	500	1-5/16	1-5/8	2
MAH-28	10	500	1-9/16	1-7/8	2-1/4
MAH-32	10	500	1-13/16	2-1/8	2-1/2
MAH-36	10	500	2-1/16	1-7/16	2-3/4





HS

## HS GEAR CLAMPS

General service gear clamps for use in OEM applications, manufacturing and jobsite repairs.

Not recommended for underground applications.

5/16" HEX slotted carbon steel screw.

1/2" 201 stainless steel band.

301 stainless steel housing.

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
HS-6	10	500	3/8	7/16	7/8
HS-8	10	500	7/16	1/2	1
HS-10	10	500	9/16	5/8	1-1/16
HS-12	10	500	9/16	3/4	1-1/4
HS-16	10	500	11/16	1	1-1/2
HS-20	10	500	3/4	1-1/4	1-3/4
HS-24	10	500	1-1/16	1-1/2	2
HS-28	10	500	1-5/16	1-3/4	2-1/4
HS-32	10	400	1-9/16	2	2-1/2
HS-36	10	400	1-13/16	2-1/4	2-3/4
HS-40	10	400	2-1/16	2-1/2	3
HS-44	10	400	2-5/16	2-3/4	3-1/4
HS-48	10	300	2-9/16	3	3-1/2
HS-52	10	300	2-13/16	3-1/4	3-3/4
HS-56	10	300	3-1/16	3-1/2	4
HS-60	10	200	3-5/16	3-3/4	4-1/4
HS-64	10	100	2-1/2	3-1/2	4-1/2
HS-72	10	100	3	4	5
HS-80	10	100	3-1/2	4-1/2	5-1/2
HS-84	10	100	3-3/4	4-3/4	5-3/4
HS-88	10	100	4	5	6
HS-96	10	100	4-1/2	6	6-1/2
HS-104	10	100	5	6-1/2	7
HS-116	1	100	5-3/4	7	7-3/4
HS-128	1	100	6-1/2	8	8-1/2
HS-152	1	100	2	6	10
HS-164	1	100	1-3/4	6-1/4	10-3/4
HS-188	1	100	2-1/16	7-3/16	12-1/4
HS-200	1	100	11	12-1/2	13
HS-212	1	100	11-3/4	13-1/4	13-3/4
HS-224	1	100	12-1/2	14	14-1/2
HS-236	1	100	13-1/4	14-3/4	15-1/4
HS-248	1	100	1-3/4	8-7/8	16
HS-270	1	100	15-3/8	16-5/8	17-3/8
HS-312	1	100	18	19-1/2	20
HS-390	1	100	14-5/8	24	25





HAS

## HAS GEAR CLAMPS

All stainless gear clamps for use in OEM applications, manufacturing and jobsite repairs.

Not recommended for underground applications.  
 5/16" HEX slotted 305 stainless steel screw.  
 1/2" 301 stainless steel band.  
 301 stainless steel housing.

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
HAS-6	10	500	3/8	7/16	7/8
HAS-8	10	500	7/16	1/2	1
HAS-10	10	500	9/16	5/8	1-1/16
HAS-12	10	500	9/16	3/4	1-1/4
HAS-16	10	500	11/16	1	1-1/2
HAS-20	10	500	3/4	1-1/4	1-3/4
HAS-24	10	500	1-1/16	1-1/2	2
HAS-28	10	500	1-5/16	1-3/4	2-1/4
HAS-32	10	400	1-9/16	2	2-1/2
HAS-36	10	400	1-13/16	2-1/4	2-3/4
HAS-40	10	400	2-1/16	2-1/2	3
HAS-44	10	400	2-5/16	2-3/4	3-1/4
HAS-48	10	300	2-9/16	3	3-1/2
HAS-52	10	300	2-13/16	3-1/4	3-3/4
HAS-56	10	300	3-1/16	3-1/2	4
HAS-60	10	200	3-5/16	3-3/4	4-1/4
HAS-64	10	100	2-1/2	3-1/2	4-1/2
HAS-72	10	100	3	4	5
HAS-80	10	100	3-1/2	4-1/2	5-1/2
HAS-84	10	100	3-3/4	4-3/4	5-3/4
HAS-88	10	100	4	5	6
HAS-96	10	100	4-1/2	6	6-1/2
HAS-104	10	100	5	6-1/2	7
HAS-116	1	100	5-3/4	7	7-3/4
HAS-128	1	100	6-1/2	8	8-1/2
HAS-152	1	100	2	6	10
HAS-164	1	100	1-3/4	6-1/4	10-3/4
HAS-188	1	100	2-1/16	7-3/16	12-1/4
HAS-200	1	100	11	12-1/2	13
HAS-212	1	100	11-3/4	13-1/4	13-3/4
HAS-224	1	100	12-1/2	14	14-1/2
HAS-236	1	100	13-1/4	14-3/4	15-1/4
HAS-248	1	100	1-3/4	8-7/8	16
HAS-270	1	100	15-3/8	16-5/8	17-3/8
HAS-312	1	100	18	19-1/2	20
HAS-390	1	100	14-5/8	24	25



ET

## ETM & ET GEAR CLAMPS

Shielded gear clamps used to seal silicone hoses without cutting the soft cover. Available in narrow and wide band.

301 stainless band & housing. Carbon steel screw.

**ETM-** 1/4" HEX slotted screw, 5/16" wide band.

**ET-** 5/16" HEX slotted screw, 1/2" wide band.

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
ETM-4	10	1000	5/16	7/16	9/16
ETM-6	10	1000	9/16	11/16	7/8
ETM-12	500	500	13/16	1-1/8	1-5/16
ET-8	10	500	5/8	1/2	13/16
ET-10	10	500	9/16	13/16	1-1/16
ET-12	10	500	11/16	1	1-5/16
ET-16	10	500	3/4	1-1/8	1-1/2
ET-20	10	500	1-3/8	1-5/8	1-13/16
ET-24	10	500	1-1/2	1-3/4	2
ET-28	10	500	1-3/4	2	2-1/4
ET-32	10	400	2	2-1/4	2-1/2
ET-36	10	400	1-13/16	2-1/4	2-3/4
ET-40	10	400	2-1/6	2-9/16	3-1/16
ET-44	10	400	2-5/16	2-3/4	3-1/4
ET-48	10	300	2-9/16	3-1/16	3-9/16
ET-56	10	100	3-1/8	3-5/8	4-1/6
ET-60	10	100	3-5/16	3-1/4	4-1/4
ET-64	10	100	3-9/16	4	4-1/2



LAS

## LAS (QUICK RELEASE) GEAR CLAMPS

Quick release are used in applications where a hose is continuously removed and reassembled on the fitting.

5/16" HEX slotted head screw & 9/16" wide band.

301 stainless steel band & housing. 410 stainless steel screw.

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
LAS-36	10	100	1	2-1/4	2-3/4
LAS-48	10	100	1-1/2	3	3-1/2
LAS-56	10	100	1	3-1/2	4
LAS-72	10	100	2	4-1/2	5
LAS-88	10	100	2-1/16	5-1/2	6
LAS-96	10	100	3-1/2	6	6-9/16
LAS-104	10	100	1-3/4	6-1/2	7
LAS-128	10	100	1-3/4	8	8-9/16
LAS-152	10	100	2	9-1/2	10
LAS-188	10	100	2-1/6	11-3/4	12-5/16
LAS-216	10	100	10-3/16	13-1/2	14
LAS-248	10	100	1-3/4	14	16
LAS-280	10	100	14-1/4	17-1/2	18
LAS-312	10	100	1-7/8	11	20





359-006

## ALL 316 STAINLESS STEEL GEAR CLAMPS

Recommended for underground, marine and highly corrosive environments.

- 359-** 1/4" HEX slotted screw, 5/16" wide band  
**665-** 5/16" HEX slotted screw, 1/2" wide band

Parts No.	STD Pkg	Bulk Pkg	Size Range		
			Min.	Nom.	Max.
359-004	10	1000	7/32	7/16	5/8
359-006	10	1000	5/16	5/8	7/8
665-010	10	500	9/16	13/16	1-1/16
665-012	10	500	9/16	15/16	1-5/16
665-016	10	500	11/16	1	1-1/2
665-020	10	500	3/4	1-1/4	1-3/4
665-024	10	500	1-1/16	1-1/2	2
665-028	10	500	1-5/16	1-3/4	2-1/4
665-032	10	400	1-9/16	2	2-1/2
665-036	10	400	1-13/16	2-1/4	2-3/4
665-044	10	400	2-5/16	2-3/4	3-1/4
665-052	10	300	2-13/16	3-1/4	3-3/4
665-060	10	200	3-5/16	3-3/4	4-1/4
665-072	10	200	4-1/6	4-1/2	5
665-088	10	200	4-1/8	5-1/6	5
665-104	10	100	5	6-1/2	7



OET

## OETIKER 2 EAR CLAMPS

Zinc plated two ear clamps used for OEM, automotive and field repairs for hoses.

**Please note:** Check the hose O.D. before ordering.

Parts No.	Normal Size	Inside Dia. Inches		Standard Box Quantities
		Closed	Open.	
OET-0041	5/32	.122	.161	100
OET-0045	11/64	.138	.177	100
OET-0305	3/16	.118	.197	100
OET-0507	1/4	.197	.276	100
OET-0709	5/16	.276	.354	100
OET-0811	3/8	.315	.433	100
OET-1113	1/2	.433	.512	100
OET-1315	9/16	.512	.591	100
OET-1517	19/32	.591	.669	100
OET-1518	5/8	.591	.708	100
OET-1720	3/4	.669	.787	100
OET-1922	13/16	.748	.866	100
OET-2023	7/8	.787	.905	100
OET-2225	15/16	.866	.984	100
OET-2327	1	.905	1.063	100
OET-2528	1-1/16	.984	1.012	100
OET-2731	1-1/8	1.063	1.220	100
OET-3134	1-5/16	1.220	1.339	100
OET-3740	1-1/2	1.457	1.575	100
OET-4043	1-5/8	1.575	1.693	100
OET-4346	1-3/4	1.693	1.811	100

Narrow width clamps, 3-ear clamps, twin clamps, stainless steel clamps, clamp kits, and other special tools and fittings are available. Prices on request.





## OETIKER PINCERS

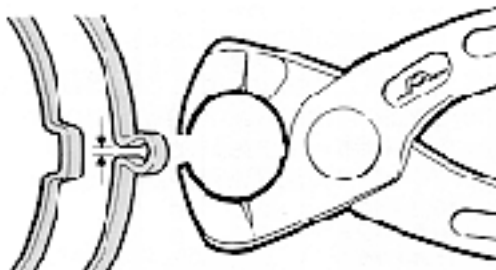
Used for Oetiker one ear, two ear and stepless clamps.

**1098 STANDARD "STRAIGHT-JAW" PINCERS**  
**PART NUMBER: OET-1098**



**1099 SIDE JAW PINCERS**  
**PART NUMBER: OET-1099**

## INSTALLATION





TBOLTC

## CARBON STEEL T-BOLT CLAMPS

Carbon Steel T-Bolt clamps have a wide variety of uses such as hydraulic suction and discharge and suction hose assemblies. These clamps are used where gear clamps do not provide adequate strength. They have a large size range and are tightened with a standard socket wrench. The band has a beveled edge which helps to prevent damage to the hose cover when tightened.

**Please note:** Check the hose O.D. before ordering

Parts No.	Size Range Inches	
	From	To
TBOLTC- 17-19	22/32	24/32
TBOLTC- 20-22	25/32	28/32
TBOLTC- 23-25	29/32	1
TBOLTC- 26-28	1-1/32	1-3/32
TBOLTC- 29-31	1-5/32	1-7/32
TBOLTC- 32-35	1-9/32	1-12/32
TBOLTC- 36-39	1-13/32	1-17/32
TBOLTC- 40-43	1-18/32	1-22/32
TBOLTC- 44-47	1-23/32	1-27/32
TBOLTC- 48-51	1-28/32	2
TBOLTC- 52-55	2-2/32	2-5/32
TBOLTC- 56-59	2-7/32	2-10/32
TBOLTC- 60-63	2-11/32	2-15/32
TBOLTC- 64-67	2-17/32	2-20/32
TBOLTC- 68-73	2-22/32	2-28/32
TBOLTC- 74-79	2-29/32	3-3/32
TBOLTC- 80-85	3-5/32	3-10/32
TBOLTC- 86-91	3-12/32	3-18/32
TBOLTC- 92-97	3-20/32	3-26/32
TBOLTC- 98-103	3-27/32	4-2/32
TBOLTC- 104-112	4-3/32	4-12/32
TBOLTC- 113-121	4-14/32	4-24/32
TBOLTC- 122-130	4-25/32	5-4/32
TBOLTC- 131-139	5-4/32	5-16/32
TBOLTC- 140-148	5-16/32	5-28/32
TBOLTC- 149-161	5-28/32	6-12/32
TBOLTC- 162-174	6-12/32	6-28/32
TBOLTC- 175-187	6-28/32	7-12/32
TBOLTC- 188-200	7-12/32	7-28/32
TBOLTC- 201-213	7-28/32	8-12/32
TBOLTC- 214-226	8-12/32	8-28/32
TBOLTC- 227-239	8-28/32	9-12/32
TBOLTC- 240-252	9-12/32	
9-28/32		





TBOLTS

## STAINLESS STEEL T-BOLT CLAMPS - 302 S.S.

Stainless Steel T-Bolt clamps are used where there is risk of corrosion such as marine, coolant and food applications. These clamps are used where gear clamps do not provide adequate strength. They have a large size range and are tightened with a standard socket wrench. The band has a beveled edge which helps to prevent damage to the hose cover when tightened.

**Please note:** Check the hose O.D. before ordering.

Parts No.	Size Range Inches	
	From	To
TBOLTS- 17-19	22/32	24/32
TBOLTS- 20-22	25/32	28/32
TBOLTS- 23-25	29/32	1
TBOLTS- 26-28	1-1/32	1-3/32
TBOLTS- 29-31	1-5/32	1-7/32
TBOLTS- 32-35	1-9/32	1-12/32
TBOLTS- 36-39	1-13/32	1-17/32
TBOLTS- 40-43	1-18/32	1-22/32
TBOLTS- 44-47	1-23/32	1-27/32
TBOLTS- 48-51	1-28/32	2
TBOLTS- 52-55	2-2/32	2-5/32
TBOLTS- 56-59	2-7/32	2-10/32
TBOLTS- 60-63	2-11/32	2-15/32
TBOLTS- 64-67	2-17/32	2-20/32
TBOLTS- 68-73	2-22/32	2-28/32
TBOLTS- 74-79	2-29/32	3-3/32
TBOLTS- 80-85	3-5/32	3-10/32
TBOLTS- 86-91	3-12/32	3-18/32
TBOLTS- 92-97	3-20/32	3-26/32
TBOLTS- 98-103	3-27/32	4-2/32
TBOLTS- 104-112	4-3/32	4-12/32
TBOLTS- 113-121	4-14/32	4-24/32
TBOLTS- 122-130	4-25/32	5-4/32
TBOLTS- 131-139	5-5/32	5-15/32
TBOLTS- 140-148	5-16/32	5-26/32
TBOLTS- 149-161	5-28/32	6-11/32
TBOLTS- 162-174	6-12/32	6-27/32
TBOLTS- 227-239	8-30/32	9-13/32





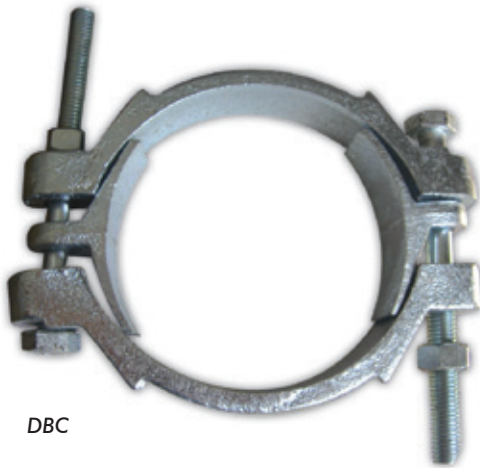
PLCR

## POWERLOCK CLAMPS

Powerlock clamps are for use on PVC suction hoses with a convoluted cover. These fittings come in two different configurations. Left hand and right hand spiral. To determine which style is required look at the end of the hose: if the spiral helix runs in a clockwise direction (to the right), a right hand clamp is required. If the helix runs counter clockwise (to the left), a counter clockwise or left hand clamp should be used. These clamps are manufactured from plated steel. The spiral steel fits between the helices and creates a seal when tightened.

Kuritec - counter clockwise (left hand). Kanaflex, Pac Echo - clockwise (right hand).

Parts No. Left	Parts No. Right	Hose I.D. Inches
PLCL-1.5	PLCR-1.5	1-1/2
PLCL-2	PLCR-2	2
PLCL-2.5	PLCR-2.5	2-1/2
PLCL-3	PLCR-3	3
PLCL-4	PLCR-4	4
PLCL-5	PLCR-5	5
PLCL-6	PLCR-6	6
PLCL-8	PLCR-8	8
PLCL-10	PLCR-10	10



DBC

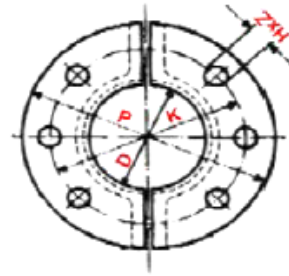
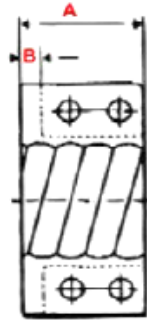
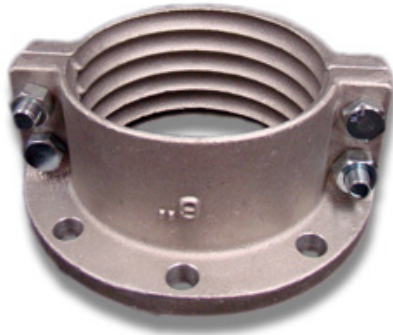
## DOUBLE BOLT CLAMPS

Double bolt clamps are made of plated ductile iron. They are ideal for hose assemblies made on site. They are strong, durable and reusable.

Parts No.	Fits Hose O.D From Inches	To Inches
DBC-400	3-1/2	4
DBC-463	4-1/16	4-7/16
DBC-525	4-3/16	5
DBC-550	5	5-1/2
DBC-600	5-1/2	6-1/16
DBC-675	6-1/8	6-7/8
DBC-769	6-15/16	7-5/8
DBC-818	7-11/16	8-3/16
DBC-875	8-1/4	8-7/8
DBC-988	8-15/16	9-7/8
DBC-1125	9-15/16	11-3/8
DBC-1275	11-3/16	13

# Material Conducting Flanges

## ALUMINUM SPLIT FLANGES FOR CMC MAXX HOSE



Parts No.	'D'(in.)	'A'(in.)	'B'(in.)	'K'(in.)	'P'(in.)	'Z'(# of bolts)	'H'(bolt hole ID, in.)	Approx. Weight (lbs)
CMCC-2	2	3-11/32	5/8	4-3/4	6	4	3/4	3.3
CMCC-3	3	3-5/16	5/8	6	7-1/2	4	3/4	4.4
CMCC-4	4	3-5/16	5/8	7-1/2	9	8	3/4	6.6
CMCC-5	5	4-1/8	5/8	8-1/2	10	8	7/8	7.7
CMCC-6	6	4-1/2	1-1/16	9-1/2	11	8	7/8	8.8
CMCC-8	8	5-7/8	3/4	11-3/4	13-1/2	8	7/8	13.2
CMCC-10	10	6-7/8	1-1/8	14-1/4	16	12	1	25.4
CMCC-12	12	7-11/16	1-1/8	17	19	12	1	30.9

### Cutting and Installation Instructions



#### A complete coupling assembly includes:

- One two-piece aluminum alloy coupling with full-face integral flange drilled to ASA 150 on both halves.
- One pure gum gasket.
- Four or six cadmium plated steel bolts with hex nuts and washers

#### Cutting hose to length

Lay out and mark the length of hose required. Using only two bolts, temporarily install the coupling for use as a cutting guide.

Cut the hose with a knife or saw while wetting the cutting area with water.

The rubber and fabric portions of the hose are separated by pulling on the cut to make the helix accessible.

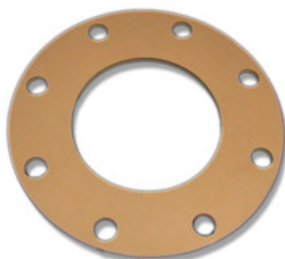
Cut the wire helix at the hose edge with wire cutters or a hack-saw.

#### Installing the coupling:

Cross-tighten the bolts progressively, keeping the gap between the coupling halves as even as possible. Maintain this by pressing both hose ends against the seal.

Continue tightening until no gap remains between the coupling halves.

Install the gasket in the hose end, being careful to apply only as much force as required, to avoid damaging the gasket.



### EXTERNAL SPLIT FLANGE GASKETS

Made from 1/4" Pure Gum rubber.  
Available in sizes 2" to 12"  
Part number: CMCG-size

# Crimping & Swaging

More and more, industry demands engineered coupling systems and testing/certification for industrial hose assemblies.

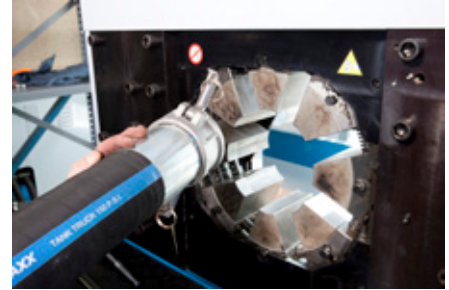
We offer the following services with numerous end configurations.

## FP160VS FINN-POWER CRIMPER

### CRIMPING



- 360 Degree uniform seal
- Better coupling retention at higher pressures
- No protruding metal clamps
- Crimping up to 6" ID



## 50 TON DIXON HOLEDALL SWAGING MACHINE

### SWAGING

IRP also swages using our Dixon Bayco **50 Ton Ram**. Internal up to 4" ID and external up to 6" ID.



### TESTING

IRP offers proof and burst testing, and has a wide range of **Canadian Registration Numbers** for a variety of hose assemblies and applications.









**I.R.P. INDUSTRIAL RUBBER LTD.**



## **Flexaust Catalogue**

**MISSISSAUGA**

**EDMONTON**

**VANCOUVER**







R-2 BLUE

## R-2 PVC DUCTING

### Colour:

Blue

### Temperature Range:

-7°C to +71°C (+20°F to +160°F)

### Stock Sizes:

1-1/2"-16"

### Available Sizes:

1-1/4"-18"

### Standard Stock Sizes:

1-1/2"-10" 50ft only

12"-16" 25ft only

### Non Standard Lengths:

Multiples of 5 ft

**R-2** - A medium wall PVC hose reinforced with a spring steel wire helix. R-2 is designed to make tighter bends and is extremely flexible. Ideal for chemical fume exhausting, light dust collection and moisture applications. Flame retardant to UL-94 VO. Special colours available for quantity orders.

Wall Thickness = 0.020"

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
P-R2-1.5	1-1/2	0.17	25	29	1.42
P-R2-2	2	0.22	19	29	2.08
P-R2-2.5	2-1/2	0.24	14	19	2.25
P-R2-3	3	0.29	12	11	2.50
P-R2-3.5	3-1/2	0.34	8	9	3.00
P-R2-4	4	0.36	8	9	3.30
P-R2-5	5	0.45	6.5	4.7	3.86
P-R2-6	6	0.53	5.4	2.7	4.42
P-R2-7	7	0.56	3.9	2.8	5.42
P-R2-8	8	0.64	3.4	1.9	6.42
P-R2-10	10	0.797	2.7	1	7.21
P-R2-12	12	0.954	2.3	6	8.00
P-R2-14	14	1.11	2	4	9.00
P-R2-16	16	1.268	1.7	0.3	10.00

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting



R-2 CLEAR

## R-2 PVC DUCTING FDA ACCEPTABLE

### Colour:

Clear

### Temperature Range:

-7°C to +71°C (+20°F to +160°F)

### Stock Sizes:

1-1/2"-12"

### Available Sizes:

1-1/2"- 16"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**R-2 Clear** - A clear medium wall PVC hose reinforced with a spring steel wire helix. R-2 is designed to make tighter bends and is extremely flexible. Ideal for chemical fume exhausting, light duct collection and moisture applications. R-2 Clear is manufactured with FDA acceptable materials.

Wall Thickness = .020"

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
P-R2C-1.5	1-1/2	0.17	25	29	1.42
P-R2C-2	2	0.22	19	29	2.08
P-R2C-2.5	2-1/2	0.24	14	19	2.25
P-R2C-3	3	0.29	12	11	2.50
P-R2C-3.5	3-1/2	0.34	8	9	3.00
P-R2C-4	4	0.36	8	9	3.30
P-R2C-5	5	0.45	6.5	4.7	3.86
P-R2C-6	6	0.53	5.4	2.7	4.42
P-R2C-7	7	0.56	3.9	2.8	5.42
P-R2C-8	8	0.64	3.4	1.9	6.42
P-R2C-10	10	0.797	2.7	1	7.21
P-R2C-12	12	0.954	2.3	6	8.00
P-R2C-14	14	1.11	2	4	9.00
P-R2C-16	16	1.268	1.7	0.3	10.00

\*Pressures based on straight lengths of hose @ 72° F.





R-3 BLUE

## R-3 PVC DUCTING

### Colour:

Blue

### Temperature Range:

+7°C to +71°C (+20°F to +160°F)

### Stock Sizes:

1-1/4"-12"

### Available Sizes:

1-1/4"-16"

### Standard Stock Sizes:

1-1/4"-10" 10/20/25/50ft only

12"-16" 10/20/25ft only

### Non Standard Lengths:

Multiples of 5ft

**R-3** - A heavy walled PVC hose reinforced with a coated spring steel wire helix. (14" I.D. and above not available with a coated wire) R-3 is an excellent choice for ventilation applications, dust and fume removal. R-3 also has good chemical resistance and has excellent internal and external abrasion resistance. Flame retardant to UL-94VO.

Wall Thickness= .035" on 1-1/4" to 3-1/2"  
.045" on 4" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
P-R3-1.25	1-1/4	.30	30	29	1.40
P-R3-1.5	1-1/2	.36	30	29	1.50
P-R3-2	2	.46	30	29	2.42
P-R3-2.5	2-1/2	.54	30	29	2.84
P-R3-3	3	.65	20	28	3.25
P-R3-3.5	3-1/2	.80	20	29	3.83
P-R3-4	4	.91	20	29	4.42
P-R3-5	5	1.13	17	16	5.53
P-R3-6	6	1.36	15	8	6.63
P-R3-7	7	1.58	13	5	7.17
P-R3-8	8	1.80	11	3	7.70
P-R3-10	10	2.00	8	3	9.92
P-R3-12	12	2.40	7	2	12
P-R3-14	14	2.90	6	1.27	14
P-R3-16	16	3.30	5	0.7	16

\*Pressures based on straight lengths of hose @ 72° F.



R-3 CLEAR

## R-3 PVC DUCTING FDA ACCEPTABLE

### Colour:

Clear

### Temperature Range:

+7°C to +71°C (+20°F to +160°F)

### Stock Sizes:

1-1/2"-12"

### Available Sizes:

1-1/4"-16"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

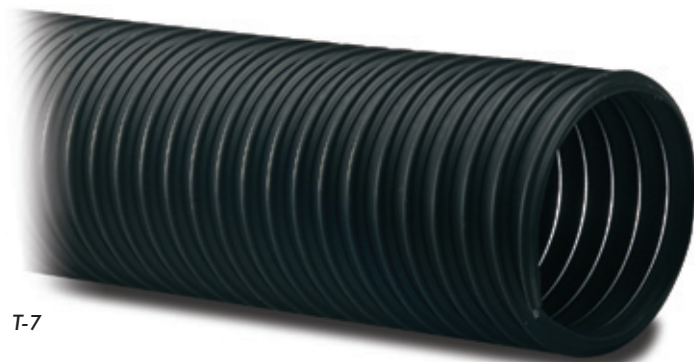
Made to order

**R-3 CLEAR** - A heavy walled PVC hose reinforced with a coated spring steel wire helix. (14" I.D. and above not available with a coated wire) R-3 clear is an excellent choice for ventilation applications, dust and fume removal. R-3 clear also has good chemical resistance and has excellent internal and external abrasion resistance. R3 clear is manufactured with FDA acceptable material.

Wall Thickness= .035" on 1-1/4" to 3-1/2"  
.045" on 4" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
P-R3C-1.5	1-1/2	.36	30	29	1.50
P-R3C-2	2	.46	30	29	2.42
P-R3C-2.5	2-1/2	.54	30	29	2.84
P-R3C-3	3	.65	20	28	3.20
P-R3C-3.5	3-1/2	.80	20	29	3.83
P-R3C-4	4	.91	20	29	4.42
P-R3C-5	5	1.13	17	16	5.53
P-R3C-6	6	1.36	15	8	6.63
P-R3C-7	7	1.58	13	5	7.17
P-R3C-8	8	1.80	11	3.5	7.70
P-R3C-10	10	2.00	8	3	9.92
P-R3C-12	12	2.40	7	2	12
P-R3C-14	14	2.90	6	1.27	14
P-R3C-16	16	3.30	5	.7	16

\*Pressures based on straight lengths of hose @ 72° F.



T-7

## T-7 THERMOPLASTIC RUBBER

### Colour:

Black

### Temperature Range:

-40°C to +135°C (-40°F to +275°F)

### Stock Sizes:

2" - 12"

### Available Sizes:

2" - 24"

### Standard Stock Sizes:

25 & 50ft only

### Non Standard Lengths:

Made to order

T-7 is a thermoplastic rubber (TPR) hose designed for applications requiring higher temperature ranging from -40°C to +135°C (-40°F to +275°F) while maintaining flexibility. It's designed with a medium weight wall and provides optimum resistance to abrasion, extreme moisture and broad chemical applications. T7 is ozone and UV resistant.

Wall Thickness= .025" - 2"

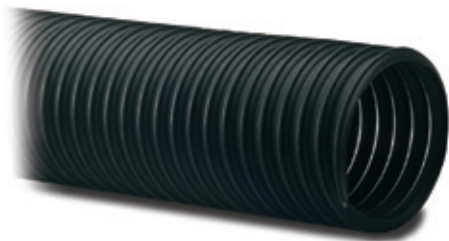
.030" - 2-1/2" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
T-7-2	2	.25	14.00	29.00	1.60
T-7-2.5	2-1/2	.34	13.00	29.00	2.00
T-7-3	3	.40	9.50	29.00	2.50
T-7-3.5	3-1/2	.50	9.50	29.00	3.00
T-7-4	4	.67	9.00	29.00	3.20
T-7-5	5	.85	8.00	17.00	3.90
T-7-6	6	.87	5.00	8.30	4.30
T-7-7	7	1.00	4.00	4.00	5.00
T-7-8	8	1.20	4.00	3.46	5.80
T-7-10	10	2.20	4.00	9.20	6.90
T-7-12	12	2.70	3.50	5.36	8.20
T-7-14	14	3.00	3.40	3.00	9.50
T-7-16	16	3.50	2.60	2.30	11.00
T-7-18	18	3.90	2.30	1.60	12.00
T-7-20	20	4.30	2.10	1.20	13.50
T-7-24	24	4.80	1.75	0.70	16.00

\*Pressures based on straight lengths of hose @ 72° F.



# Flexaust Hose & Ducting



T-7W

## T-7W THERMOPLASTIC RUBBER

### Colour:

Black with yellow wearstrip

### Temperature Range:

-40°C to +135°C (+40°F to +275°F)

### Stock Sizes:

2"-12"

### Available Sizes:

2"-24"

### Standard Stock Sizes:

25 & 50ft only

### Non Standard Lengths:

Made to order

**T-7W** is a thermoplastic (TPR) hose designed for applications requiring higher temperature ranging from -40°C to +135°C (-40°F to +275°F) while maintaining flexibility. It's designed with a medium weight wall and provides optimum resistance to abrasion, extreme moisture and broad chemical applications. T7 is ozone and UV resistant.

Wall Thickness= .025" - 2"  
.030" - 2-1/2" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
T-7W-2	2	.25	14.00	29.00	2.42
T-7W-2.5	2-1/2	.34	13.00	29.00	3.00
T-7W-3	3	.40	9.50	29.00	3.00
T-7W-3.5	3-1/2	.50	9.50	29.00	4.00
T-7W-4	4	.67	9.00	29.00	5.50
T-7W-5	5	.85	8.00	17.00	5.50
T-7W-6	6	.87	5.00	8.30	5.50
T-7W-7	7	1.00	4.00	3.46	6.50
T-7W-8	8	1.20	4.00	3.46	8.25
T-7W-10	10	2.20	4.00	4.00	10.00
T-7W-12	12	2.70	3.50	3.50	12.00
T-7W-14	14	3.00	3.40	3.40	9.50
T-7W-16	16	3.50	2.60	2.60	11.00
T-7W-18	18	3.90	2.30	2.30	12.00
T-7W-20	20	4.30	2.10	2.10	13.50
T-7W-22	22	4.40	1.90	1.90	15.00
T-7W-24	24	4.80	1.75	1.75	16.00

\*Pressures based on straight lengths of hose @ 72° F.





T-7WHITE

## T-7 WHITE

**Colour:**

White

**Temperature Range:**

-40°C to +135°C (-40°F to +255°F)

**Stock Sizes:**

None

**Available Sizes:**

2" - 24"

**Standard Stock Sizes:**

25 & 50ft only

**Non Standard Lengths:**

Made to order

**T-7W** is a medium weight thermoplastic rubber hose reinforced with a spring steel wire helix designed for applications with wide temperature ranges. Great moisture and U.V. resistance and is also FDA acceptable.

Wall Thickness= .025" - 2"

.030 - 2-1/2" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
T-7WHITE-2	2	.25	14	29	1.75
T-7WHITE-3	3	.40	10	29	2.50
T-7WHITE-4	4	.60	7	15	3.50
T-7WHITE-5	5	.80	6	13	4.50
T-7WHITE-6	6	.85	5	8	5.50
T-7WHITE-8	8	1.00	4	6	7.00
T-7WHITE-10	10	2.00	3.50	8	8.00
T-7WHITE-12	12	2.70	3	5	10.00

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting

FLX-CLD



## FLX-THANE LD POLYURETHANE

### Colour:

Clear

### Temperature Range:

-54°C to +107°C (+65°F to +225°F)

### Stock Sizes:

2"-12"

### Available Sizes:

2"-18"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FLX-THANE LD** - Is a lighter wall polyurethane hose supported by a narrow pitch spring steel wire helix. Suitable for air and fume ventilation, vapour recovery system and lightweight materials handling, such as sawdust conveying system and gravity flow material handling. Clear is made with FDA acceptable materials.

Wall Thickness= .015" - 2"

.020" - 2-1/2" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-CLD-2	2	.25	30.0	29.0	2.00
FLX-CLD-2.5	2-1/2	.35	30.0	19.0	2.75
FLX-CLD-3	3	.40	30.0	29.0	3.25
FLX-CLD-4	4	.50	22.0	24.0	3.75
FLX-CLD-5	5	.60	18.0	13.0	4.50
FLX-CLD-6	6	.70	15.0	8.0	5.25
FLX-CLD-7	7	.80	10.0	8.0	5.88
FLX-CLD-8	8	.90	7.0	2.0	6.50
FLX-CLD-10	10	1.20	7.0	2.0	7.50
FLX-CLD-12	12	1.40	6.0	1.7	9.00
FLX-CLD-14	14	1.60	5.0	1.1	12.00
FLX-CLD-16	16	1.80	4.6	0.7	14.00
FLX-CLD-18	18	2.00	4.1	0.5	16.00

\*PRESSURES BASED ON STRAIGHT LENGTHS OF HOSE @ 72° F.



FLX-BLD

## FLX-THANE LD POLYURETHANE

### Colour:

Black

### Temperature Range:

-54°C to +107°C (+65°F to +225°F)

### Stock Sizes:

2"-12"

### Available Sizes:

2"-18"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FLX-THANE LD** - A lighter wall polyurethane hose supported by a narrow pitch spring steel wire helix. Suitable for air and fume ventilation, vapour recovery system and lightweight materials handling, such as sawdust conveying system and gravity flow material handling.

Wall Thickness= .015" - 2"

.020" - 2-1/2" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-BLD-2	2	.25	30.0	29.0	2
FLX-BLD-2.5	2-1/2	.35	30.0	19.0	2.75
FLX-BLD-3	3	.40	30.0	29.0	3.25
FLX-BLD-4	4	.50	22.0	24.0	3.75
FLX-BLD-5	5	.60	18.0	13.0	4.50
FLX-BLD-6	6	.70	15.0	8.0	5.25
FLX-BLD-7	7	.80	7.0	8.0	5.88
FLX-BLD-8	8	.90	7.0	2.0	6.50
FLX-BLD-10	10	1.20	6.0	2.0	7.50
FLX-BLD-12	12	1.40	4.0	1.7	9
FLX-BLD-14	14	1.60	5.0	1.1	12
FLX-BLD-16	16	1.80	4.6	0.7	14
FLX-BLD-18	18	2.00	4.1	0.5	16

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting

FLX-CMD



## FLX-THANE MD POLYURETHANE

### Colour:

Clear

### Temperature Range:

-54°C to +107°C (+65°F to +225°F)

### Stock Sizes:

2"-12"

### Available Sizes:

2"-24"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FLX-THANE MD** - This clear, durable urethane hose has excellent resistance to abrasion, cutting and gouging for a long product life. It is reinforced with a bronze coated spring steel wire helix, it maintains its excellent flexing characteristics even in the roughest conditions. The ideal hose for lightweight bulk materials from pharmaceuticals to cement dust. Clear is made with FDA acceptable materials.

Wall Thickness= .030"

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-CMD-2	2	.25	30	29.0	2.00
FLX-CMD-2.5	2-1/2	.32	30	29.0	2.50
FLX-CMD-3	3	.40	29	29.0	3.00
FLX-CMD-3.5	3-1/2	.52	28	22.0	3.50
FLX-CMD-4	4	.70	25	29.0	4.00
FLX-CMD-5	5	.90	22	17.0	5.00
FLX-CMD-6	6	1.00	19	15.0	6.00
FLX-CMD-7	7	1.20	16	12.0	7.00
FLX-CMD-8	8	1.50	14	9.0	8.00
FLX-CMD-9	9	1.55	12	5.0	9.00
FLX-CMD-10	10	1.60	11	4.0	8.00
FLX-CMD-12	12	2.00	10	2.2	10.00
FLX-CMD-14	14	2.50	8	3.3	12.00
FLX-CMD-16	16	3.00	7	2.2	14.00
FLX-CMD-18	18	3.30	6	1.40	16.00

\*Pressures based on straight lengths of hose @ 72° F.





FLX-BMD

## FLX-THANE MD POLYURETHANE

### Colour:

Black

### Temperature Range:

-54°C to +107°C (+65°F to +225°F)

### Stock Sizes:

2"-12"

### Available Sizes:

2"-24"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FLX-THANE MD** - Durable urethane hose has excellent resistance to abrasion, cutting and gouging for a long product life. It is reinforced with a bronze coated spring steel helix, it maintains its excellent flexing characteristics even in the roughest conditions. The ideal hose for lightweight materials handling.

Wall Thickness= .030"

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-BMD-2	2	.25	30	29.0	2.00
FLX-BMD-2.5	2-1/2	.32	30	29.0	2.50
FLX-BMD-3	3	.40	29	29.0	3.00
FLX-BMD-3.5	3-1/2	.52	28	22.0	3.50
FLX-BMD-4	4	.70	25	29.0	4.00
FLX-BMD-5	5	.90	22	17.0	5.00
FLX-BMD-6	6	1.00	19	15.0	6.00
FLX-BMD-7	7	1.20	16	12.0	7.00
FLX-BMD-8	8	1.50	14	9.0	8.00
FLX-BMD-9	9	1.55	12	5.0	9.00
FLX-BMD-10	10	1.60	11	4.0	8.00
FLX-BMD-12	12	2.00	10	2.2	10.00
FLX-BMD-14	14	2.50	8	3.3	12.00
FLX-BMD-16	16	3.00	7	2.2	14.00
FLX-BMD-18	18	3.30	6	1.40	16.00

\*Pressures based on straight lengths of hose @ 72° F.





FLX-CHD

## FLX-THANE HD POLYURETHANE

### Colour:

Clear

### Temperature Range:

-54°C to +107°C (+65°F to +225°F)

### Stock Sizes:

3"-12"

### Available Sizes:

2"-24"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FLX-THANE HD** - A heavy walled polyurethane hose reinforced with a spring steel coated wire helix to create a smooth bend radius (sizes 14" and above not available with a coated wire). FLX-THANE HD offers a combination of maximum flexibility with high abrasion and gouge resistance. FLX-THANE HD also offers good low temperature flexibility, superior chemical resistance and high tear strength. Clear is manufactured with FDA acceptable material.

Wall Thickness= .035" - 2" to 3-1/2"  
.040" - 4" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-CHD-2	2	.35	32	29.00	2.00
FLX-CHD-2.5	2-1/2	.50	32	29.00	2.50
FLX-CHD-3	3	.55	30	29.00	3.00
FLX-CHD-3.5	3-1/2	.72	30	29.00	3.50
FLX-CHD-4	4	.90	30	29.00	3.50
FLX-CHD-5	5	1.10	30	17.00	4.00
FLX-CHD-6	6	1.20	24	15.00	5.00
FLX-CHD-7	7	1.40	22	12.00	7.00
FLX-CHD-8	8	1.70	20	9.00	8.00
FLX-CHD-10	10	1.90	17	4.00	9.00
FLX-CHD-12	12	2.40	14	2.50	11.00
FLX-CHD-14	14	3.20	12	3.50	13.00
FLX-CHD-16	16	3.70	11	1.00	15.00
FLX-CHD-18	18	4.10	10	2.50	17.00
FLX-CHD-20	20	4.60	9	1.50	19.00
FLX-CHD-24	24	5.60	8	1.00	23.00

\*Pressures based on straight lengths of hose @ 72° F.



FLX-VHD

## FLX-THANE VHD POLYURETHANE

### Colour:

Clear

### Temperature Range:

-54°C to +107°C (-65°F to +225°F)

### Stock Sizes:

None

### Available Sizes:

4" - 24"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FLX-THANE VHD** - A very heavy weight polyurethane hose reinforced with a spring steel coated wire helix (sizes 14" and above not available with a coated wire) Great abrasion resistance and high tear strength. Ideal for severe service applications where flexibility is required. Clear is manufactured with FDA acceptable materials.

Wall Thickness = .045" - 2" to 3.5"  
.060" - 4" and above

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-VHD-4	4	1.00	34	29	4
FLX-VHD-5	5	1.30	33	17	5
FLX-VHD-6	6	1.50	32	15	6
FLX-VHD-8	8	1.90	29	9	8
FLX-VHD-10	10	2.20	25	4	10
FLX-VHD-12	12	2.60	20	2.5	12
FLX-VHD-14	14	3.80	18	3.5	14
FLX-VHD-16	16	4.20	15	2.5	16
FLX-VHD-18	18	4.80	12	1.5	18

\*Pressures based on straight lengths of hose @ 72° F.



FLX-SD

## FLX-THANE SD STATIC DISSIPATIVE POLYURETHANE

### Colour:

Clear or Black

### Temperature Range:

-54°C to +107°C (-65°F to +225°F)

### Stock Sizes:

None

### Available Sizes:

2" - 12"

### Standard Stock Sizes:

None

### Non Standard Lengths:

Made to order

**FLX-THANE SD** - A durable urethane hose has excellent resistance to abrasion, cutting and gouging. Medium weight ether-type, static dissipative polyurethane wall. Supported by a bronze coated spring steel wire helix for crush resistance and efficient flow characteristics. Suitable for chemical fume exhausting, lightweight material handling, and dust collection applications. Ideal for applications where static electricity is present. Clear is manufactured with FDA acceptable materials.

Wall Thickness = .030"

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FLX-BSD-2	2	.25	30	29	2.00
FLX-BSD-3	3	.40	29	29	3.00
FLX-BSD-4	4	.70	25	29	4.00
FLX-BSD-6	6	1.00	19	15	6.00
FLX-BSD-8	8	1.50	14	9	8.00
FLX-BSD-10	10	1.60	11	4	8.00
FLX-BSD-12	12	2.00	10	2.2	10.00
FLX-CSD-2	2	.25	30	29	2.00
FLX-CSD-3	3	.40	29	29	3.00
FLX-CSD-4	4	.70	25	29	4.00
FLX-CSD-6	6	1.00	19	15	6.00
FLX-CSD-8	8	1.50	14	9	8.00
FLX-CSD-10	10	1.60	11	4	8.00
FLX-CSD-12	12	2.00	10	2.2	10.00

\*Pressures based on straight lengths of hose @ 72° F.



CW-GP

## CW-GP DOUBLE PLY NEOPRENE / POLYESTER

### Colour:

Black

### Temperature Range:

-40°C to +121°C (+40°F to +250°F)

### Stock Sizes:

1"-24"

### Available Sizes:

1"-48"

### Standard Stock Sizes:

1"-12" 25 & 50ft only

14"-24" 25ft only

### Non Standard Lengths:

Multiples of 5ft

**CW-GP** - Double ply neoprene impregnated polyester fabric hose construction, reinforced with a spring steel wire helix. It has excellent crush resistance and tensile strength. The neoprene coating offers excellent abrasion and chemical resistance. Handles positive and negative pressure and is extremely flexible. More durable than double ply cotton hose. CW-GP is UL 94V-0 flame retardant.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
CW-GP-2	2	.25	30	29.0	1.70
CW-GP-2.5	2-1/2	.289	30	29.0	1.80
CW-GP-3	3	.35	30	29.0	2.40
CW-GP-3.5	3-1/2	.40	30	29.0	2.50
CW-GP-4	4	.57	30	29.0	3.10
CW-GP-5	5	.70	17	17.0	3.50
CW-GP-6	6	.95	11	22.0	4.54
CW-GP-7	7	1.02	22	11.0	5.00
CW-GP-8	8	1.09	6.5	7.3	5.50
CW-GP-9	9	1.23	5	5.0	5.50
CW-GP-10	10	1.36	5	5.0	6.90
CW-GP-12	12	1.62	4.3	3.8	2.70
CW-GP-14	14	2.60	3.7	3.7	10.00
CW-GP-16	16	2.90	3.2	2.5	12.00
CW-GP-18	18	3.30	3	1.8	13.00

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting



## CWS SINGLE PLY NEOPRENE / POLYESTER

### Colour:

Black

### Temperature Range:

-54°C to +121°C (-65°F to +250°F)

### Stock Sizes:

2"-12"

### Available Sizes:

2"-12"

### Standard Stock Sizes:

10/15/25ft only

### Non Standard Lengths:

Made to order

**CWS** - Single ply neoprene/polyester construction offers exceptional flexibility and retractability. Recommended for less demanding low pressure air handling, fume control and dust collection applications. Spring steel wire helix for good crush resistance. CWS is flame retardant to UL 94V-0.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
CWS-R-2	2	.24	30	29	1.80
CWS-R-2.5	2-1/2	.25	30	29	2.00
CWS-R-3	3	.36	30	29	2.50
CWS-R-4	4	.47	18	29	3.00
CWS-R-5	5	.59	15	17	3.50
CWS-R-6	6	.67	7	16	4.00
CWS-R-7	7	.83	6	15	5.00
CWS-R-8	8	.90	5	10	5.50
CWS-R-10	10	1.10	4	4	6.00
CWS-R-12	12	1.40	3	3	7.00

\*Pressures based on straight lengths of hose @ 72° F.



FSP-1

## FSP-1 SINGLE PLY PVC POLYESTER

### Colour:

Black with orange wearstrip

### Temperature Range:

-29°C to +82°C (-20°F to +180°F)

### Stock Sizes:

3"-12"

### Available Sizes:

3"-12"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FSP-1** - A single ply flame retardant PVC coated polyester fabric construction with an enclosed spring steel wire helix. FSP-1 offers superior chemical resistance, low friction loss and is flame retardant to UL 94V-0.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FSP-1-3	3	.50	26	29	3.50
FSP-1-4	4	.65	13	24	4.00
FSP-1-5	5	.75	11	17	4.50
FSP-1-6	6	.85	6	16	5.00
FSP-1-7	7	1.10	5	12	6.00
FSP-1-8	8	1.25	4	9	7.00
FSP-1-10	10	1.57	3	4	8.60
FSP-1-12	12	1.58	2.5	3	10.30

\*Pressures based on straight lengths of hose @ 72° F.



# Flexaust Hose & Ducting



FSP-2

## FSP-2 DOUBLE PLY PVC / POLYESTER

### Colour:

Black

### Temperature Range:

-29°C to +82°C (-20°F to +180°F)

### Stock Sizes:

3"-12"

### Available Sizes:

3"-12"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FSP-2** - A double ply flame retardant PVC coated polyester fabric construction with an enclosed spring steel wire helix & external PVC wearstrip. FSP-2 offers superior chemical resistance, low friction loss and is flame retardant to UL 94V-0.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
FSP-2-3	3	.50	13	29	2.80
FSP-2-4	4	.72	10	24	3.70
FSP-2-5	5	.89	8	13	4.70
FSP-2-6	6	1.06	7	7.3	5.30
FSP-2-7	7	1.24	6	5	6.50
FSP-2-8	8	1.48	4	7	6.90
FSP-2-10	10	1.84	3	3.7	8.60
FSP-2-12	12	2.20	2.6	2.2	10.00

\*Pressures based on straight lengths of hose @ 72° F.



CW-325

## CW-325 SINGLE PLY ACRYLIC / POLYESTER

### Colour:

Black

### Temperature Range:

-29°C to +163°C (-20°F to +325°F)

### Stock Sizes:

2"-8"

### Available Sizes:

1-1/2"-16"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

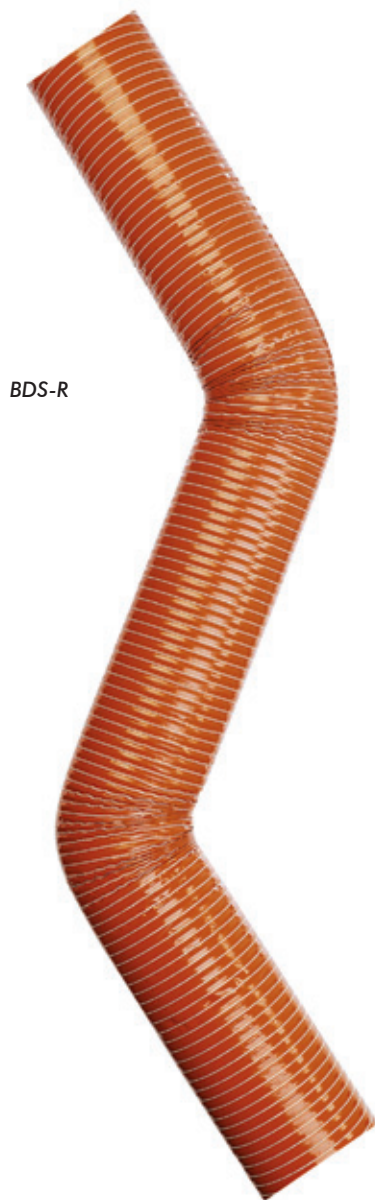
Made to order

**CW-325** - A black single ply acrylic coated polyester fabric hose with both high and low temperature capabilities. Used for air or fume movement. Enclosed spring steel wire reinforcement for crush resistance. Flame retardant to UL 94V-0. For temperatures exceeding 325° F. Use one of the following hi-temp hoses. BDS, GS, FLEX-LOK 1500, FLEX-LOK TFE. CW-325 is an excellent product for overhead vehicle exhaust systems.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
CW-325-2	2	.25	30	29	1.60
CW-325-2.5	2-1/2	.26	30	29	1.78
CW-325-3	3	.28	30	29	2.30
CW-325-4	4	.41	18	29	2.80
CW-325-5	5	.60	14	16	3.50
CW-325-6	6	.69	7	14	3.80
CW-325-7	7	.81	6	8	4.50
CW-325-8	8	.92	5	7	5.20
CW-325-10	10	1.10	4	6	6.40
CW-325-12	12	2.00	3	5	8.00

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting



## BDS SINGLE PLY SILICONE / GLASS

### Colour:

Red

### Temperature Range:

-54°C to +260°C (-65°F to +500°F)

### Stock Sizes:

1"-6"

### Available Sizes:

1"-8"

### Standard Stock Sizes:

12ft only

### Non Standard Lengths:

Made to order

**BDS** - Single ply silicone coated fibreglass fabric hose reinforced with a spring steel wire helix and external filament fibreglass cord. The narrow pitch allows for tight bending radius while maintaining a smooth air flow. Suited for high temperature air handling applications. BDS is resistant to many oils and solvents, ozone, water, fungus and alkalis.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
BDS-R-1	1	.12	30	29	1.20
BDS-R-1.25	1-1/4	.14	30	29	1.30
BDS-R-1.5	1-1/2	.15	30	29	1.50
BDS-R-2	2	.19	30	29	2.00
BDS-R-2.5	2-1/2	.24	30	29	2.37
BDS-R-3	3	.28	30	22	3.00
BDS-R-4	4	.39	27	19	3.40
BDS-R-5	5	.49	21	7	4.10
BDS-R-6	6	.52	13	4	4.40

\*Pressures based on straight lengths of hose @ 72° F.



## GS DOUBLE PLY SILICONE / GLASS

### Colour:

Red

### Temperature Range:

-54°C to +288°C (-65°F to +550°F) Intermittent to 600°F

### Stock Sizes:

1" - 6"

### Available Sizes:

1" - 12"

### Standard Stock Sizes:

12ft only

### Non Standard Lengths:

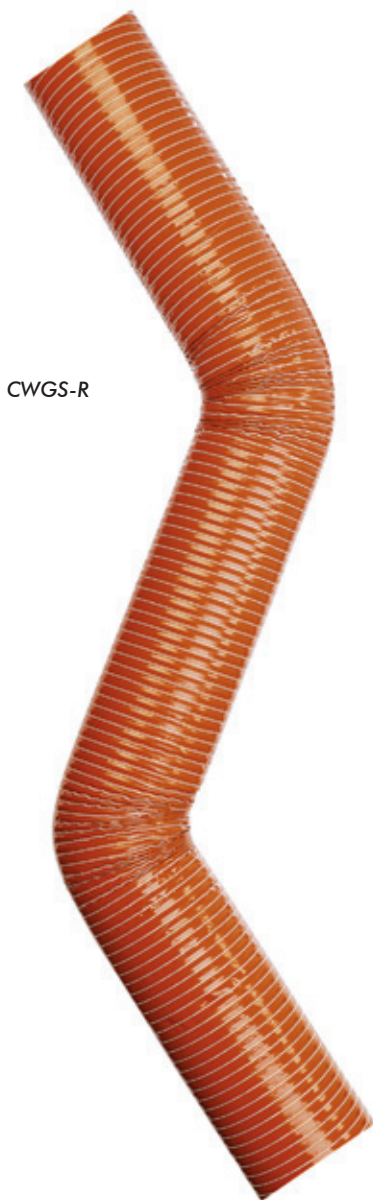
Made to order

**GS** - Double ply silicone coated fibreglass fabric hose reinforced with a spring steel wire helix and external filament fibreglass cord. The narrow pitch allows for tight bending radius while maintaining a smooth air flow. Suited for high temperature air handling applications. GS is resistant to many oils and solvents, ozone, water, fungus and alkalis. Ideal for plastic processing applications.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
GS-R-1	1	.12	30	29	1.20
GS-R-1.25	1-1/4	.14	30	29	1.50
GS-R-1.5	1-1/2	.17	30	29	1.80
GS-R-1.75	1-3/4	.19	30	29	1.90
GS-R-2	2	.25	30	29	2.00
GS-R-2.5	2-1/2	.30	30	29	2.30
GS-R-3	3	.33	30	29	2.50
GS-R-4	4	.48	30	27	3.00
GS-R-5	5	.59	30	14	3.50
GS-R-6	6	.62	19	9	4.00

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting



CWGS-R

## CW-GS SINGLE PLY SILICONE / GLASS

### Colour:

Red

### Temperature Range:

-54°C to +288°C (-65°F to +550°F)

### Stock Sizes:

4"-8"

### Available Sizes:

2"- 12"

### Standard Stock Sizes:

10/15/25ft only

### Non Standard Lengths:

Made to order

**CW-GS** - Single ply silicone coated fibreglass fabric hose reinforced with a spring steel wire helix. CWGS is a lightweight flexible ducting which is used for high temp air or fume movement. Available in longer lengths than traditional mandrel-built hose.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
CWGS-R-2	2	.21	30	29	1.40
CWGS-R-2.5	2-1/2	.29	30	24	1.80
CWGS-R-3	3	.31	30	14	2.10
CWGS-R-3.5	3-1/2	.39	30	9	2.50
CWGS-R-4	4	.40	18	12	2.75
CWGS-R-4.5	4-1/2	.49	16	8.5	3.00
CWGS-R-5	5	.50	14	6	3.50
CWGS-R-5.5	5-1/2	.52	7	5	3.60
CWGS-R-6	6	.54	7	5	3.70
CWGS-R-7	7	.65	5	2	4.00
CWGS-R-8	8	.73	5	2	4.90
CWGS-R-10	10	.91	4	1	6.10
CWGS-R-12	12	1.08	3	0.7	7.30

\*Pressures based on straight lengths of hose @ 72° F.



CWC-WHT

## WHITE HOSE DOUBLE PLY ACRYLIC / POLYESTER

### Colour:

White

### Temperature Range:

-29°C to +163°C (+20°F to +325°F)

### Stock Sizes:

2" - 8"

### Available Sizes:

1-1/2" - 24"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**WHITE CWC** - Manufactured using double ply acrylic coated polyester fabric with spring steel wire reinforcement. White hose is FDA acceptable for dry foods and pharmaceutical materials handling. Ideal for many air, dust and fume handling applications in clean rooms, hospitals, food processing plants, pharmaceutical operations and plastic processing facilities.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
CWC-WHT-2	2	.30	30	29	1.70
CWC-WHT-3	3	.40	29	29	2.50
CWC-WHT-4	4	.60	30	29	3.20
CWC-WHT-5	5	.70	29	16	4.00
CWC-WHT-6	6	1.00	18	22	4.50
CWC-WHT-8	8	1.20	11	7	5.60
CWC-WHT-10	10	1.50	8	3	7.00
CWC-WHT-12	12	1.80	7	2	8.30

\*Pressures based on straight lengths of hose @ 72° F.



# Flexaust Hose & Ducting



COMMERCIAL

## COMMERCIAL POLYETHYLENE COPOLYMER

### Colour:

Grey or Black

### Temperature Range:

-40°C to +60°C (+40°F to +140°F)

### Stock Sizes:

1-1/4" - 4"

### Available Sizes:

1-1/4" - 4"

### Standard Stock Sizes:

25 & 50ft only

### Non Standard Lengths:

Made to order

**COMMERCIAL VACUUM HOSE** - Constructed of grey or black polyethylene copolymer hose reinforced with an integral polyethylene helix. The unique design provides exceptional abrasion resistance without sacrificing flexibility. The smooth interior and exterior allows for easy handling, storage and high flow rates.

Parts No.	I.D. Inches	Colour	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
IH-WWG-1.25	1-1/4	GREY	.20	20	29	2.40
IH-RX-1.25	1-1/4	BLACK	.20	20	29	2.40
IH-WWG-1.5	1-1/2	GREY	.28	16	29	2.75
IH-RX-1.5	1-1/2	BLACK	.28	16	29	2.75
IH-WWG-2	2	GREY	.42	15	29	4.25
IH-RX-2	2	BLACK	.42	15	29	4.25
IH-WWG-2.5	2-1/2	GREY	.53	14	29	5.00
IH-RX-2.5	2-1/2	BLACK	.53	14	29	5.00
IH-WWG-3	3	GREY	.65	9	29	7.50
IH-RX-3	3	BLACK	.65	9	29	7.50
IH-WWG-4	4	GREY	1.00	8	29	9.50
IH-RX-4	4	BLACK	1.00	8	29	9.50

\*Pressures based on straight lengths of hose @ 72° F.

## ACCESSORIES FOR COMMERCIAL POLYETHYLENE COPOLYMER

### Screw on standard cuffs

Parts No.	I.D. Inches
IHCUFFG-1.25	1-1/4
IHCUFFG-1.5	1-1/2
IHCUFFG-2	2

### Screw on nozzle-grey standard

Parts No.	I.D. Inches
IHNOZ-1.5	1-1/2
IHNOZ-2	2



P-DPZB



## DPZ POLYETHYLENE COPOLYMER

### Colour:

Grey or Black

### Temperature Range:

-40°C to +60°C (+40°F to +140°F)

### Stock Sizes:

1-1/4" - 2"

### Available Sizes:

1-1/4" - 2"

### Standard Stock Sizes:

25 & 50ft only

### Non Standard Lengths:

Made to order

**DPZ** - Lightweight polyethylene copolymer hose reinforced with an intergral polyethylene helix. DPZ's has a smooth interior assures efficient air flow and good flexibility with tight bending characteristics. It also has superior external abrasion resistance and is crush resistant.

Parts No.	I.D. Inches	Colour	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
P-DPZB-1.25	1-1/4	BLACK	.11	20	29	2.50
P-DPZG-1.25	1-1/4	GREY	.11	20	29	2.50
P-DPZB-1.5	1-1/2	BLACK	.27	18	29	4.00
P-DPZG-1.5	1-1/2	GREY	.27	18	29	4.00
P-DPZG-2	2	GREY	.43	15	29	5.25

\*Pressures based on straight lengths of hose @ 72° F.



B-A

## BENDWAY (Aluminum)

### Temperature Range:

-73°C to +204°C (+100°F to +400°F)

### Stock Sizes:

2" - 12"

### Available Sizes:

2" - 12"

### Standard Stock Sizes:

10ft only

### Non Standard Lengths:

None

**BENDWAY** - Single ply helically corrugated aluminum alloy hose with a four-ply finished seam that is folded flat and crimped for tightness and strength. Lightweight and hand bendable allowing for elbows and turns to be formed easily during installation. Bendway's self-supporting construction allows for bends to stay in place. Resists metal fatigue, weathering, and most corrosive fumes and chemicals.

Wall Thickness = .008"

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
B-A-2	2	.113	N/A	N/A	4.00
B-A-3	3	.167	N/A	N/A	5.70
B-A-4	4	.20	N/A	N/A	7.50
B-A-5	5	.25	N/A	N/A	9.30
B-A-6	6	.30	N/A	N/A	11.20
B-A-7	7	.35	N/A	N/A	13.00
B-A-8	8	.35	N/A	N/A	15.00
B-A-9	9	.40	N/A	N/A	17.00
B-A-10	10	.44	N/A	N/A	19.00
B-A-12	12	.53	N/A	N/A	23.00

\*Pressures based on straight lengths of hose @ 72° F.



FSP-5

## FSP-5 SINGLE PLY PVC / POLYESTER

### Colour:

Yellow with black wearstrip

### Temperature Range:

-29°C to +82°C (+20°F to +180°F)

### Stock Sizes:

8"- 12"

### Available Sizes:

4"- 24"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**FSP-5** - A single ply yellow polyester reinforced PVC vinyl fabric hose construction with an external wearstrip reinforced with a spring steel wire helix. Lightweight duct for blower applications. 11:1 highly compressible. Retractability allows for convenient storage and easy transport at a fraction of its fully extended length. Low friction loss. Wearstrip offers external abrasion resistance. Listed as UL 94V-0 flame retardant. Manufactured with materials that meet NFPA 701.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Centerline Bend Radius, Inches
FSP-5-6	6	.30	11	3.00
FSP-5-8	8	.45	8	4.50
FSP-5-10	10	.60	7	5.50
FSP-5-12	12	.70	5	6.75
FSP-5-14	14	.80	5	8.00
FSP-5-16	16	.90	5	9.00
FSP-5-18	18	1.00	4	10.00
FSP-5-20	20	1.10	3	11.00
FSP-5-24	24	1.30	2	13.50

\*Pressures based on straight lengths of hose @ 72° F.

# Flexaust Hose & Ducting



S-SDW

## SD-W SINGLE PLY NEOPRENE / POLYESTER

### Colour:

Yellow with black wearstrip

### Temperature Range:

-54°C to +121°C (+65°F to +250°F)

### Retractability:

6 TO 1

### Stock Sizes:

4"- 18"

### Available Sizes:

4"- 18"

### Standard Stock Sizes:

25ft only

### Non Standard Lengths:

Made to order

**SDW** - Springflex duct type SDW provides superior performance when it comes to moving large volumes of air. Extremely flexible and lightweight. SDW easily compresses for storage, making it the ideal duct for use with both portable and permanent ventilation and exhaust systems. Type SDW is constructed of single ply heavyweight neoprene impregnated polyester fabric supported by a fully enclosed spring steel wire helix. Flame retardant to UL 94V-0. SDW comes with the addition of an external wearstrip for added external abrasion resistance.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Centerline Bend Radius, Inches
S-SDW-4	4	.25	5.40	3.00
S-SDW-5	5	.27	3.00	3.50
S-SDW-6	6	.30	3.00	3.50
S-SDW-7	7	.38	3.00	4.50
S-SDW-8	8	.40	3.00	5.00
S-SDW-9	9	.50	2.50	6.20
S-SDW-10	10	.60	2.50	6.50
S-SDW-12	12	.70	2.00	7.50
S-SDW-14	14	.80	1.70	8.50
S-SDW-16	16	.90	1.50	9.50
S-SDW-18	18	1.00	1.30	10.50
S-SDW-20	20	1.10	1.10	12.00
S-SDW-22	22	1.40	1.05	12.50
S-SDW-24	24	1.60	1.00	13.00

\*Available without external wearstrip - (SD)

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Centerline Bend Radius, Inches
S-SD-4	4	.25	5.40	3.00
S-SD-5	5	.30	3.00	3.50
S-SD-6	6	.30	3.00	3.50
S-SD-7	7	.35	3.00	4.00
S-SD-8	8	.40	3.00	5.00
S-SD-9	9	.50	2.50	6.00
S-SD-10	10	.60	2.50	6.50
S-SD-12	12	.70	2.00	7.50
S-SD-14	14	.80	1.70	8.50
S-SD-16	16	.90	1.50	9.50
S-SD-18	18	1.00	1.30	10.50
S-SD-20	20	1.10	1.10	12.00
S-SD-22	22	1.40	1.05	12.50
S-SD-24	24	1.60	1.00	13.00

\*Pressures based on straight lengths of hose @ 72° F.







TIGER

## TIGER TAIL

### Colour:

Yellow / Black

### Temperature Range:

-54°C to +107°C (-40°F to +140°F)

### Stock Sizes:

None

### Available Sizes:

1-1/4", 2", 3", 4"

### Standard Stock Sizes:

25 & 50ft only

### Non Standard Lengths:

Made to order

**TIGER TAIL** - Improved double helix design allows for superior flexibility and durability even in sub-zero temperatures. Designed to provide maximum abrasion protection for sewer jetting hose, expensive camera and utility inspection equipment. Has superior abrasion and crush resistance and is resistant to kinking. Made with factory installed leak proof polyweld cuffs. Adaptable to eye hoods, D-rings, clamps and other guide rope attachment methods.

Parts No.	I.D. Inches	Weight (lbs./ft.)	Positive Pressure PSI	Negative Pressure IN.HG	Centerline Bend Radius, Inches
TIGER-1.5	1-1/2	.35	26	29	3.75
TIGER-2	2	.65	17	29	5.00
TIGER-3	3	1.20	12	29	8.00
TIGER-4	4	1.60	7	29	9.50

\*Pressures based on straight lengths of hose @ 72° F.



BCCW

## FLEXAUST BRIDGE CLAMPS

Parts No.	Size Inches	Spiral Direction
BCCW-3	3	Clockwise
BCCW-4	4	Clockwise
BCCW-5	5	Clockwise
BCCW-6	6	Clockwise
BCCW-8	8	Clockwise
BCCW-10	10	Clockwise
BCCW-12	12	Clockwise
BCCC-3	3	Counter Clockwise
BCCC-4	4	Counter Clockwise
BCCC-5	5	Counter Clockwise
BCCC-6	6	Counter Clockwise
BCCC-8	8	Counter Clockwise
BCCC-10	10	Counter Clockwise
BCCC-12	12	Counter Clockwise

**NOTE:** Bridge clamps are available in clockwise for Flexaust hose and counter clockwise for Flex-Lok hose.







**I.R.P. INDUSTRIAL RUBBER LTD.**



## Sheet Rubber Catalogue

**MISSISSAUGA**

**EDMONTON**

**VANCOUVER**



## EPDM RUBBER 60 DUROMETER

ISO/ASTM DESIGNATION = EPDM



### Physical Characteristics:

Tensile: 725 PSI

Elongation: 300%

Hardness: 60 SHORE "A" +/-5

Temperature Range: -30°C to 104°C (-22°F to 220°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
EPDMI-.063-48	1/16" X 48	100FT	0.48	Black	Smooth
EPDMI-.125-48	1/8" X 48	66FT	0.85	Black	Smooth
EPDMI-.188-48	3/16" X 48	66FT	1.22	Black	Smooth
EPDMI-.25-48	1/4" X 48	66FT	1.71	Black	Smooth
EPDMI-.375-48	3/8" X 48	33FT	2.53	Black	Smooth
EPDMI-.5-48	1/2" X 48	33FT	3.38	Black	Smooth

**NOTE:** EPDM is a polymer that provides superior properties for outdoor and high ozone environment applications. EPDM rubber also provides better resistance to acids, alkali and ketones than other general rubber sheets. EPDM sheet is commonly used for roofing, automotive and other applications where high temperature (up to 220°F) is required. However, EPDM sheet has poor resistance to fuels, oils and alcohols.

## PURE GUM RUBBER 40 DUROMETER

ISO/ASTM DESIGNATION = NR



### Physical Characteristics:

Tensile: 2300 PSI

Elongation: 600%

Hardness: 40 SHORE "A" +/-5

Temperature Range: -40°C to 70°C (-40°F to 158°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
PGI-.063-48	1/16" X 48"	100FT	0.34	Tan	Smooth
PGI-.125-48	1/8" X 48"	66FT	0.68	Tan	Smooth
PGI-.188-48	3/16" X 48"	66FT	1.02	Tan	Smooth
PGI-.25-36	1/4" X 36"	66FT	1.36	Tan	Smooth
PGI-.25-48	1/4" X 48"	66FT	1.36	Tan	Smooth
PGI-.375-48	3/8" X 48"	50FT	2.02	Tan	Smooth
PGI-.5-48	1/2" X 48"	50FT	2.71	Tan	Smooth
PGI-.75-48	3/4" X 48"	50FT	4.07	Tan	Smooth
PGI-1-48	1" X 48"	50FT	5.41	Tan	Smooth

**NOTE:** A soft, long wearing non-marking natural rubber. Pure gums have excellent abrasion and tear resistance. It also has superior resilience, tensile and elongation characteristics. Gum rubber is also excellent on all steel surfaces against abrasion. Pure gum is not suitable for outdoor or oil resistant applications. It is also used for gasket and sand/shot blast curtain manufacturing. Pure Gum Rubber has excellent adhesion to fabric and metal. It is widely used to manufacture sleeves for chutes on cement mixers.

## REDSTAR RUBBER 40 DUROMETER

ISO/ASTM DESIGNATION = NR



### Physical Characteristics:

Tensile: 2300 PSI  
Elongation: 600%  
Hardness: 40 SHORE "A" +/-5  
Temperature Range: -40°C to 70°C (-40°F to 158°F)

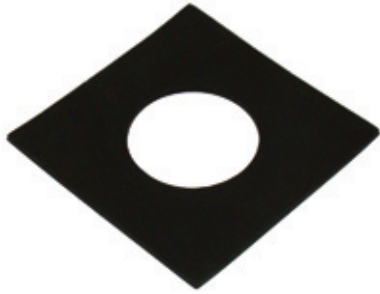
Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
DURA-.063-48	1/16" X 48"	100FT	0.34	Red	Smooth
DURA-.125-48	1/8" X 48"	66FT	0.68	Red	Smooth
DURA-.25-48	1/4" X 48"	50FT	1.36	Red	Smooth
DURA-.375-48	3/8" X 48"	50FT	2.02	Red	Smooth
DURA-.5-48	1/2" X 48"	50FT	2.71	Red	Smooth

**NOTE:** A soft long wearing non-marking natural rubber sheet that comes in red. This product has excellent abrasion and tear resistance. It also has superior resilience, tensile and elongation characteristics. Red-Star is excellent on all steel surfaces against abrasion. Red-Star is not designed for outdoor or oil resistant applications.



## BUTYL RUBBER 60 DUROMETER

ISO/ASTM DESIGNATION = IIR



### Physical Characteristics:

Tensile: 725 PSI  
Elongation: 300%  
Hardness: 60 SHORE "A" +/-5  
Temperature Range: -20°C to 100°C (-4°F to 212°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
BUTI-.125-48	1/8" X 48	66FT	0.92	Black	Smooth
BUTI-.25-48	1/4" X 48	66FT	1.84	Black	Smooth

**NOTE:** A black sheet with outstanding resistance to gases and vapour. Butyl also has very good resistance to heat, oxygen, ozone, alkalis and oxygenated solvents. It also has superior resistance to water and steam. This makes the sheet suited for a broad range of outdoor and aqueous chemical tank lining applications.

## VITON® RUBBER 70 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = FKM



### Physical Characteristics:

Tensile: 1100 PSI  
Elongation: 200%  
Hardness: 70 SHORE "A" +/-5  
Temperature Range: -30°C to +230°C (-22°F to +446°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
VITI70-.063-48	1/16" X 48	50FT	0.56	Black	Smooth
VITI70-.125-48	1/8" X 48	50FT	1.11	Black	Smooth
VITI70-.188-48	3/16" X 48	50FT	1.67	Black	Smooth
VITI70-.25-48	1/4" X 48	50FT	2.23	Black	Smooth

**NOTE:** Black Viton® sheet provides excellent resistance to heat, oil and chemicals. These properties make Viton® sheet well suited for hot grease, engine and compressor type applications. In addition this fluoroelastomer sheet is resistant to a wide range of concentrated acids. Application for Viton® sheet should be known and specified prior to use.

## HYPALON RUBBER 60 DUROMETER

ISO/ASTM DESIGNATION = CSM



### Physical Characteristics:

Tensile: 1100 PSI

Elongation: 300%

Hardness: 60 SHORE "A" +/-5

Temperature Range: -30°C to 120°C (-22°F to 248°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
HYPI-.125-48	1/8" X 48	50FT	0.92	Black	Smooth
HYPI-.25-48	1/4" X 48	50FT	1.84	Black	Smooth

**NOTE:** This synthetic rubber offers exceptionally good resistance to weather, ozone, sunlight and oxidation. Hypalon has excellent properties for alkalis and acids. This sheet is not recommended for aldehydes, aromatic or chlorinated solvents. Hypalon rubber sheet is recommended for extended outdoor applications.

## NEOPRENE / NYLON DIAPHRAGM RUBBER 60 DUROMETER

**COMMERCIAL GRADE**  
ISO/ASTM DESIGNATION = CR



### Physical Characteristics:

Tensile: 620 PSI  
Elongation: 300%  
Hardness: 60 SHORE "A" +/-5  
Temperature Range: -40°C to +77°C (-40°F to +170°F)

Parts No.	Ply	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
NNDI-.063-481	1ply	1/16" X 48"	100FT	0.46	Black	Smooth
NNDI-.094-481	1ply	3/32" X 48"	66FT	0.69	Black	Smooth
NNDI-.125-481	1ply	1/8" X 48"	66FT	0.92	Black	Smooth
NNDI-.125-482	2ply	1/8" X 48"	66FT	0.92	Black	Smooth
NNDI-.188-482	2ply	3/16" X 48"	66FT	1.38	Black	Smooth
NNDI-.25-482	2ply	1/4" X 48"	66FT	1.84	Black	Smooth

**NOTE:** This family of nylon insert rubber sheets maintains the properties of our Neoprene with the added benefit of woven nylon cloth insert for added puncture resistance, stability and tear strength.

\*Fabric products Physical Characteristics are based on rubber compounds only.

## NEOPRENE RUBBER 60 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = CR



### Physical Characteristics:

Tensile: 620 PSI  
Elongation: 300%  
Hardness: 60 SHORE "A" +/-5  
Tear Strength: 100PLI  
Temperature Range: -40°C to +77°C (-40°F to +170°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
NEOI60-.031-36	1/32" X 36"	100FT	0.23	Black	Smooth
NEOI60-.031-48	1/32" X 48"	100FT	0.23	Black	Smooth
NEOI60-.063-36	1/16" X 36"	100FT	0.46	Black	Smooth
NEOI60-.063-48	1/16" X 48"	100FT	0.46	Black	Smooth
NEOI60-.094-48	3/32" X 48"	66FT	0.69	Black	Smooth
NEOI60-.125-36	1/8" X 36"	66FT	0.92	Black	Smooth
NEOI60-.125-48	1/8" X 48"	66FT	0.92	Black	Smooth
NEOI60-.188-36	3/16" X 36"	66FT	1.38	Black	Smooth
NEOI60-.188-48	3/16" X 48"	66FT	1.38	Black	Smooth
NEOI60-.25-36	1/4" X 36"	66FT	1.84	Black	Smooth
NEOI60-.25-48	1/4" X 48"	66FT	1.84	Black	Smooth
NEOI60-.375-36	3/8" X 36"	33FT	2.72	Black	Smooth
NEOI60-.375-48	3/8" X 48"	33FT	2.72	Black	Smooth
NEOI60-.5-36	1/2" X 36"	33FT	3.64	Black	Smooth
NEOI60-.5-48	1/2" X 48"	33FT	3.64	Black	Smooth
NEOI60-.625-48	5/8" X 48"	33FT	4.53	Black	Smooth
NEOI60-.75-48	3/4" X 48"	33FT	5.48	Black	Smooth
NEOI60-1-48	1" X 48"	33FT	7.28	Black	Smooth
NEOI60-1.25-48	1-1/4" X 48"	9FT	9.09	Black	Smooth
NEOI60-1.5-48	1-1/2" X 48"	9FT	10.92	Black	Smooth
NEOI60-2-48	2" X 48"	9FT	14.57	Black	Smooth

**NOTE:** An economical 60 Durometer black rubber sheet that has been specifically formulated to provide moderate oil and petroleum based solvent resistance. In addition, this sheet gives good weathering and ozone resistance for outdoor or unusual environmental conditions. This material is utilized in a broad range of industrial applications from gasket making to the chemical and transportation industries.



## NEOPRENE RUBBER 70 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = CR



### Physical Characteristics:

Tensile: 620PSI  
Elongation: 300%  
Hardness: 70 SHORE "A" +/-5  
Temperature Range: -40°C to +77°C (-40°F to +170°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
NEOI70-.063-36	1/16" X 36"	100FT	0.46	Black	Smooth
NEOI70-.063-48	1/16" X 48"	100FT	0.46	Black	Smooth
NEOI70-.125-36	1/8" X 36"	66FT	0.92	Black	Smooth
NEOI70-.125-48	1/8" X 48"	66FT	0.92	Black	Smooth
NEOI70-.188-48	3/16" X 48"	66FT	1.38	Black	Smooth
NEOI70-.25-36	1/4" X 36"	66FT	1.84	Black	Smooth
NEOI70-.25-48	1/4" X 48"	66FT	1.84	Black	Smooth
NEOI70-.375-48	3/8" X 48"	33FT	2.72	Black	Smooth
NEOI70-.5-48	1/2" X 48"	33FT	3.64	Black	Smooth
NEOI70-.75-48	3/4" X 48"	33FT	5.48	Black	Smooth
NEOI70-1-48	1" X 48"	33FT	7.28	Black	Smooth

**NOTE:** An economical 70 Durometer black rubber sheet that has been specifically formulated to provide moderate oil and petroleum based solvent resistance. In addition, this sheet gives good weathering and ozone resistance for outdoor or unusual environmental conditions. This material is utilized in a broad range of industrial applications from gasket making to the chemical and transportation industries.



## NEOPRENE RUBBER 80 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = CR



### Physical Characteristics:

Tensile: 620 PSI  
Elongation: 200%  
Hardness: 80 SHORE "A" +/-5  
Temperature Range: -40°C to +77°C (-40°F to +170°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
NEO180-.125-48	1/8" X 48"	66FT	0.98	Black	Smooth
NEO180-.25-48	1/4" X 48"	66FT	1.97	Black	Smooth
NEO180-.1-48	1" X 48"	33FT	7.80	Black	Smooth

**NOTE:** An economical 80 Durometer black rubber sheet that has been specifically formulated to provide moderate oil and petroleum based solvent resistance. In addition, this sheet gives good weathering and ozone resistance for outdoor or unusual environmental conditions. This material is utilized in a broad range of industrial applications from gasket making to the chemical and transportation industries.

## BLACK NITRILE RUBBER 60 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = NBR



### Physical Characteristics:

Tensile: 640 PSI  
Elongation: 300%  
Hardness: 60 SHORE "A" +/-5  
Temperature Range: -30°C to 88°C (-22°F to 190°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
NITI60-.063-48	1/16" X 48"	100FT	0.46	Black	Smooth
NITI60-.125-48	1/8" X 48"	66FT	0.92	Black	Smooth
NITI60-.188-36	3/16" X 36"	66FT	1.38	Black	Smooth
NITI60-.188-48	3/16" X 48"	66FT	1.38	Black	Smooth
NITI60-.25-48	1/4" X 48"	66FT	1.84	Black	Smooth
NITI60-.375-48	3/8" X 48"	33FT	2.72	Black	Smooth
NITI60-.5-48	1/2" X 48"	33FT	3.46	Black	Smooth

**NOTE:** Also known as BUNA N, Black Nitrile is the polymer of choice for applications which require superior resistance to oils, solvents, gasoline and other hydrocarbon chemicals.

## WHITE NITRILE RUBBER 60 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = NBR



### Physical Characteristics:

Tensile: 725 PSI  
Elongation: 300%  
Hardness: 60 SHORE "A" +/- 5  
Temperature Range: -30°C to 88°C (-22°F to 190°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
WNITI-.063-36	1/16" X 36"	100FT	0.51	White	Smooth
WNITI-.063-48	1/16" X 48"	100FT	0.51	White	Smooth
WNITI-.125-36	1/8" X 36"	66FT	1.02	White	Smooth
WNITI-.125-48	1/8" X 48"	66FT	1.02	White	Smooth
WNITI-.188-48	3/16" X 48"	66FT	1.52	White	Smooth
WNITI-.25-48	1/4" X 48"	66FT	2.03	White	Smooth
WNITI-.375-48	3/8" X 48"	66FT	3.02	White	Smooth
WNITI-.5-48	1/2" X 48"	66FT	4.03	White	Smooth

**NOTE:** Also known as BUNA N, White Nitrile is specially formulated to be non-marking. White colour is commonly used in the food, pharmaceutical and cosmetic industries. White Nitrile rubber resists oil and grease food products well. THIS IS NOT AN FDA APPROVED MATERIAL.

## SBR RUBBER 60 DUROMETER

COMMERCIAL RECYCLED RUBBER

ISO/ASTM DESIGNATION = SBR



### Physical Characteristics:

Tensile: 500 PSI  
 Elongation: 300%  
 Hardness: 60 SHORE "A" +/-5  
 Temperature Range: -30°C to 77°C (-22°F to 170°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
SBRI60-.063-36	1/16" X 36"	100FT	0.47	Black	Smooth
SBRI60-.063-48	1/16" X 48"	100FT	0.47	Black	Smooth
SBRI60-.094-48	3/32" X 48"	66FT	0.71	Black	Smooth
SBRI60-.125-36	1/8" X 36"	66FT	0.94	Black	Smooth
SBRI60-.125-48	1/8" X 48"	66FT	0.94	Black	Smooth
SBRI60-.188-36	3/16" X 36"	66FT	1.41	Black	Smooth
SBRI60-.188-48	3/16" X 48"	66FT	1.41	Black	Smooth
SBRI60-.25-36	1/4" X 36"	50FT	1.89	Black	Smooth
SBRI60-.25-48	1/4" X 48"	50FT	1.89	Black	Smooth
SBRI60-.375-36	3/8" X 36"	50FT	2.83	Black	Smooth
SBRI60-.375-48	3/8" X 48"	50FT	2.83	Black	Smooth
SBRI60-.5-36	1/2" X 36"	50FT	3.77	Black	Smooth
SBRI60-.5-48	1/2" X 48"	50FT	3.77	Black	Smooth
SBRI60-.625-48	5/8" X 48"	50FT	4.71	Black	Smooth
SBRI60-.75-48	3/4" X 48"	50FT	5.66	Black	Smooth
SBRI60-1-48	1" X 48"	50FT	7.54	Black	Smooth
SBRI60-1.25-48	1-1/4" X 48"	9FT	9.43	Black	Smooth
SBRI60-1.5-48	1-1/2" X 48"	9FT	11.32	Black	Smooth
SBRI60-2-48	2" X 48"	9FT	15.09	Black	Smooth

**NOTE:** An economical, general-purpose 60 Durometer rubber sheet. This rubber offers solid resistance to abrasion and impact. It is not recommended for applications where oil or gasoline is present. SBR rubber sheet has good vibration and sound insulating properties.

## SKIRTBOARD RUBBER 55 DUROMETER

COMMERCIAL RECYCLED RUBBER

ISO/ASTM DESIGNATION = SBR



### Physical Characteristics:

Tensile: 500 PSI

Elongation: 300%

Hardness: 55 SHORE "A" +/-5

Temperature Range: -20°C to 80°C (-4°F to 176°F)

Tolerance on Width: +/- .3937"

Parts No.	Gauge x Width	Length	Wt. Per LN ft.	Colour	Finish
SKBI55-.25-4	1/4" X 4"	50FT	0.63	Black	Smooth
SKBI55-.25-5	1/4" X 5"	50FT	0.79	Black	Smooth
SKBI55-.25-6	1/4" X 6"	50FT	0.95	Black	Smooth
SKBI55-.25-8	1/4" X 8"	50FT	1.25	Black	Smooth
SKBI55-.25-12	1/4" X 12"	50FT	1.89	Black	Smooth
SKBI55-.375-4	3/8" X 4"	50FT	0.94	Black	Smooth
SKBI55-.375-5	3/8" X 5"	50FT	1.17	Black	Smooth
SKBI55-.375-6	3/8" X 6"	50FT	1.41	Black	Smooth
SKBI55-.375-8	3/8" X 8"	50FT	1.88	Black	Smooth
SKBI55-.375-12	3/8" X 12"	50FT	2.83	Black	Smooth
SKBI55-.5-4	1/2" X 4"	50FT	1.25	Black	Smooth
SKBI55-.5-5	1/2" X 5"	50FT	1.57	Black	Smooth
SKBI55-.5-6	1/2" X 6"	50FT	1.88	Black	Smooth
SKBI55-.5-8	1/2" X 8"	50FT	2.51	Black	Smooth
SKBI55-.5-12	1/2" X 12"	50FT	3.77	Black	Smooth
SKBI55-.75-6	3/4" X 6"	50FT	2.84	Black	Smooth
SKBI55-.75-12	3/4" X 12"	50FT	5.66	Black	Smooth
SKBI55-1-3	1" X 3"	50FT	1.89	Black	Smooth
SKBI55-1-6	1" X 6"	50FT	3.77	Black	Smooth
SKBI55-1-8	1" X 8"	50FT	5.02	Black	Smooth

**NOTE:** Cut to width Skirtboard Rubber is designed for use as skirting on conveyor belt systems. A great cost saving item.

## SCRAPER RUBBER 80 DUROMETER

COMMERCIAL RECYCLED RUBBER  
ISO/ASTM DESIGNATION = SBR



### Physical Characteristics:

Tensile: 435 PSI  
Elongation: 200%  
Hardness: 80 SHORE "A" +/-5  
Temperature Range: -20°C to 80°C (-4°F to 176°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
SBRI80-.5-4	1/2" X 4"	25FT	3.90	Black	Smooth
SBRI80-.5-8	1/2" X 8"	25FT	3.90	Black	Smooth
SBRI80-.75-4	3/4" X 4"	25FT	5.87	Black	Smooth
SBRI80-.75-5	3/4" X 5"	25FT	5.87	Black	Smooth
SBRI80-1-4	1" X 4"	25FT	7.80	Black	Smooth
SBRI80-1-5	1" X 5"	25FT	7.80	Black	Smooth
SBRI80-1-6	1" X 6"	25FT	7.80	Black	Smooth
SBRI80-1-12	1" X 12"	25FT	8.80	Black	Smooth

**NOTE:** For use in scraper applications where hard durometer rubber is required.



## CHUTE AND LAUNDER LINING RUBBER 55 DUROMETER



**COMMERCIAL RECYCLED RUBBER**  
ISO/ASTM DESIGNATION = SBR

### Physical Characteristics:

Tensile: 435 PSI  
Elongation: 300%  
Hardness: 55 SHORE "A" +/-5  
Temperature Range: -30°C to 70°C (-22°F to 158°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
CLLI55-.25-48	1/4" X 48"	50FT	1.97	Black	Smooth
CLLI55-.375-48	3/8" X 48"	50FT	2.92	Black	Smooth
CLLI55-.5-48	1/2" X 48"	50FT	3.90	Black	Smooth
CLLI55-.75-48	3/4" X 48"	50FT	5.87	Black	Smooth
CLLI55-1-48	1" X 48"	50FT	7.80	Black	Smooth

**NOTE:** This rubber possesses on one side a synthetic fabric making the rubber extremely resistant to tearing and stretching. Chute and Laundry lining is a common application for this rubber.

## SBR C.I. PACKING RUBBER 70 DUROMETER

ISO/ASTM DESIGNATION = SBR



### Physical Characteristics:

Tensile: 435 PSI

Elongation: 300%

Hardness: 70 SHORE "A" +/-5

Temperature Range: -30°C to 70°C (-22°F to 158°F)

Parts No.	Ply	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
CII-.063-481	1ply	1/16" X 48"	100FT	0.49	Black	Smooth
CII-.094-481	1ply	3/32" X 48"	66FT	0.74	Black	Smooth
CII-.125-481	1ply	1/8" X 48"	66FT	0.98	Black	Smooth
CII-.125-482	2ply	1/8" X 48"	66FT	0.98	Black	Smooth
CII-.188-362	2ply	3/16" X 36"	66FT	1.47	Black	Smooth
CII-.188-482	2ply	3/16" X 48"	66FT	1.47	Black	Smooth
CII-.25-482	2ply	1/4" X 48"	66FT	1.96	Black	Smooth

**NOTE:** This reinforced rubber which is made of synthetic fabric maintains the properties of our SBR rubber with the added benefit of woven nylon cloth insert for added puncture resistance, stability and tear strength. \*Fabric products Physical Characteristics are based on rubber compounds only.

## RED SHEET PACKING RUBBER SMOOTH 80 DUROMETER

ISO/ASTM DESIGNATION = SBR



### Physical Characteristics:

Tensile: 500 PSI

Elongation: 250%

Hardness: 80 SHORE "A" +/- 5

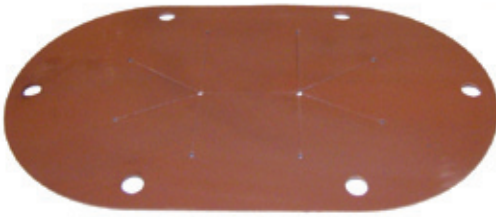
Temperature Range: -20°C to 80°C (-4°F to 176°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
RSPSI-.063-36	1/16" X 36"	100FT	0.56	Red	Smooth
RSPSI-.063-48	1/16" X 48"	100FT	0.56	Red	Smooth
RSPSI-.094-48	3/32" X 48"	66FT	0.84	Red	Smooth
RSPSI-.125-36	1/8" X 36"	66FT	1.11	Red	Smooth
RSPSI-.125-48	1/8" X 48"	66FT	1.11	Red	Smooth
RSPSI-.188-36	3/16" X 36"	66FT	1.67	Red	Smooth
RSPSI-.188-48	3/16" X 48"	66FT	1.67	Red	Smooth
RSPSI-.25-36	1/4" X 36"	33FT	2.23	Red	Smooth
RSPSI-.25-48	1/4" X 48"	33FT	2.23	Red	Smooth

**NOTE:** An economical red sheet with a smooth finish used in low-pressure applications with no oil resistant requirements. This rubber is also ideal for gaskets and other sheet applications where a recognizable red colour is required.

## RED SHEET PACKING RUBBER FABRIC 80 DUROMETER

ISO/ASTM DESIGNATION = SBR



### Physical Characteristics:

Tensile: 500 PSI  
Elongation: 250%  
Hardness: 80 SHORE "A" +/-5  
Temperature Range: -20°C to 80°C (-4°F to 176°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
RSPFI-.063-48	1/16" X 48"	50FT	0.56	Red	Fabric
RSPFI-.125-48	1/8" X 48"	50FT	1.11	Red	Fabric
RSPFI-.188-48	3/16" X 48"	50FT	1.67	Red	Fabric
RSPFI-.25-48	1/4" X 48"	50FT	2.23	Red	Fabric

**NOTE:** An economical red sheet with a fabric finish used in low-pressure applications with no oil resistant requirements. This is also ideal for gaskets and other sheet applications where a recognizable red colour is required.

## SILICONE SHEET RUBBER 60 DUROMETER

COMMERCIAL GRADE  
ISO/ASTM DESIGNATION = Q



### Physical Characteristics:

Tensile: 1000 PSI  
Elongation: 400%  
Hardness: 60 SHORE "A" +/-5  
Temperature Range: -54°C to 200°C (-65°F to 392°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
SIL-.063-36	1/16" X 36"	50FT	0.51	Red	Smooth
SIL-.125-36	1/8" X 36"	50FT	1.02	Red	Smooth
SIL-.25-36	1/4" X 36"	50FT	2.04	Red	Smooth

\*\*\*also available in 48" width special order\*\*\*

**NOTE:** Excellent properties for both extreme heat and extreme cold. It also has good weather and ozone resistance. Made from FDA approved material.

## URETHANE SHEET 80 DUROMETER COMMERCIAL GRADE



### Physical Characteristics:

Tensile Strength: 5692 PSI

Elongation: 603%

Hardness: 80 SHORE "A" +/-5

Temperature Range: -29°C to +71°C (-20°F to +160°F)

Parts No.	Gauge x Width	Length	Wt. Per SF lbs.	Colour	Finish
URR-.125-48	1/8" X 48"	15FT	0.80	Red	Smooth
URR-.188-48	3/16" X 48"	15FT	1.20	Red	Smooth
URR-.25-48	1/4" X 48"	15FT	1.60	Red	Smooth

**NOTE:** Urethane has very high abrasion qualities. It can handle high impact applications where other rubbers would fail. And it has an extremely high tensile strength which means that it is a very durable and tough rubber.



## RIBBED RUBBER MATTING

ISO/ASTM DESIGNATION = SBR

### Physical Characteristics:

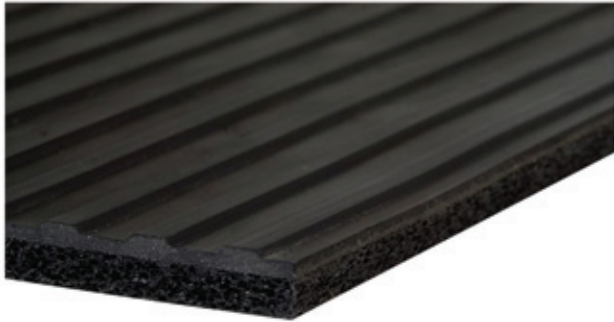
Tensile: 435 PSI  
Elongation: 300%  
Hardness: 70 SHORE "A" +/-5  
Temperature Range: -20°C to 80°C (-4°F to 176°F)



Parts No.	Ribbed	Gauge x Width	Length	Wt. Per LY	Colour
RMBW-.125-24	Wide	1/8" X 24"	25YDS	4.50	Black
RMBW-.125-36	Wide	1/8" X 36"	25YDS	7.00	Black
RMBW-.125-36-50	Wide	1/8" X 36"	50YDS	7.00	Black
RMBW-.125-48	Wide	1/8" X 48"	25YDS	9.00	Black
RMGW-.125-36	Wide	1/8" X 36"	25YDS	7.00	Grey
RMBRW-.125-36	Wide	1/8" X 36"	25YDS	7.00	Brown
RMBW-.25-36	Wide	1/4" X 36"	25YDS	14.00	Black
RMBW-.25-48	Wide	1/4" x 48"	25YDS	18.50	Black
RMBF-.125-36	Fine	1/8" X 36"	25YDS	7.00	Black
RMBF-.125-48	Fine	1/8" X 48"	25YDS	9.00	Black

**NOTE:** A low cost industrial commercial safety floor mat or runner available in customized widths to suit your toughest applications. The unique compound of polymer rich rubber provides outstanding wear resistance and durability for both indoor and outdoor environments.

## ANTI FATIGUE MATTING



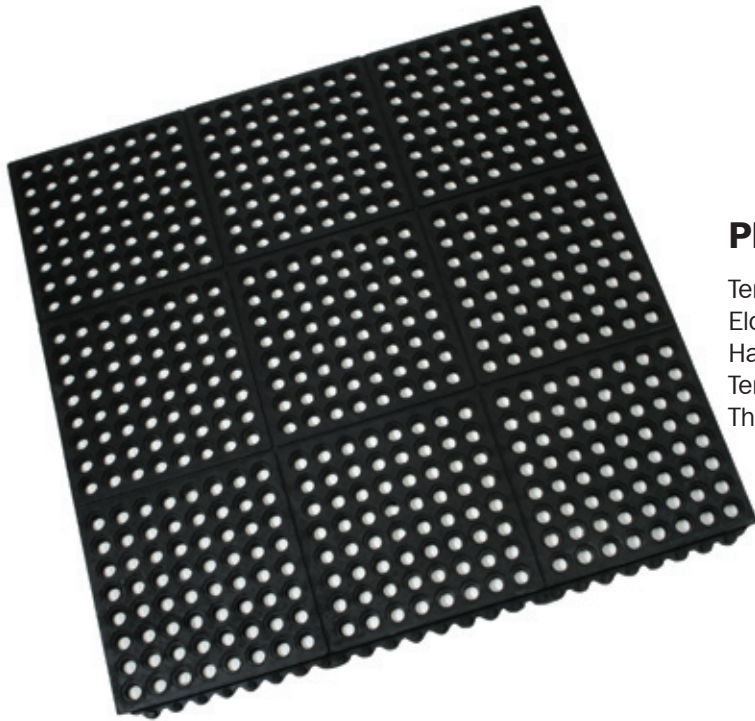
### Physical Characteristics:

Tensile: 435 PSI  
Elongation: 300%  
Hardness: 70 SHORE "A" +/-5  
Temperature Range: -20°C to 80°C (-4°F to 170°F)

Parts No.	Ribbed	Gauge x Width	Length	Wt. Per LY	Colour
FM-.25-36	Wide	1/4" X 36"	25YDS	7.50	Black
FM-.375-36	Wide	3/8" X 36"	25YDS	10.00	Black
FMDPYB-.375-36	Diamond	3/8" X 36"	25YDS	10.00	Black

**NOTE:** 1/8" Rubber or Vinyl Face x 1/8" or 1/4" sponge back. Anti fatigue matting is available in other colours, widths and other backing specifications upon request.

## HEX ANTI FATIGUE MATTING



### Physical Characteristics:

Tensile: 435 PSI

Elongation: 300%

Hardness: 60 SHORE "A" +/-5

Temperature Range: -37°C to 82°C (-35°F to 180°F)

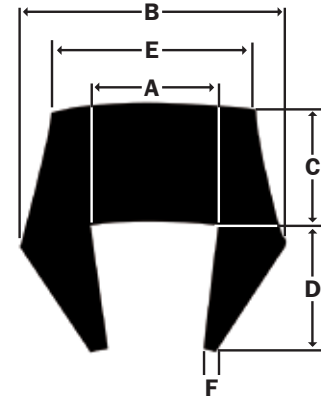
Thickness = 3/4"

Parts No.	Length x Width	WT. Per Pc lbs.	Colour	Finish	Compound
STAM	36"X 36"	21	Black	Honey Combed	SBR
STAM-NIT	36"X 36"	25	Red	Honey Combed	Nitrile

**NOTE:** This matting is designed specifically to give relief from ankle, knee, hip and back pain. It provides excellent stress relief for workers who are stationary for long periods of time on hard floor surfaces. It is easy to clean, easy to configure and easy to move around. Mat comes with a built on connector strip.

## SHAKER SCREEN PROTECTORS

BUFFER STRIP FOR USE ON SCREEN SUPPORT BARS



Parts No.	Size Inches	Dimensions in Inches					
		A	B	C	D	E	F
FTUCHD-.375	3/8	3/8	1-1/16	1/2	5/8	13/16	3/16
FTUCHD-.5	1/2	1/2	1-1/16	3/8	1/2	13/16	3/16
FTUCHD-.75	3/4	3/4	1-1/2	5/8	3/4	1	1/4

**NOTE:** Style FT - Flat Top

## DIAMOND TOUGH



Parts No.	Style
SL5-SIZE	STYLE-5
DBL-RET	DOUBLE RETAINER
SNGL-RET	SINGLE RETAINER

**TO ORDER:** Just specify quantity, pulley diameter and “style five”.

**SHIPPING WEIGHT:** 18-1/2 lbs.

1. Six foot lengths, easily cut “on-the-job” to pulley width.  
No waste. Short ends can be joined.
2. Greater belt grip. Twice as many edges on diamond design.
3. Automatic self cleaning. Excess materials flow out in all directions.
4. Many molded-in “sipes” in each diamond creates high flexibility.  
Quick release of foreign materials in grooves.

**NOTE:** Oil resistant rubber, stainless steel retainer.  
Strips and edge crown pulley lagging available

### RETAINERS:

When retainers are desired, they should be ordered in addition to the Slide Lag pads on the basis of one double retainer per Slide Lag pad ordered, and one single retainer for every 4 Slide Lags (always rounding up to the nearest whole number).

### EXAMPLE:

4 Slide Lag Pads ordered = 4 double retainers and 1 single retainer required.

14 Slide Lags Pads ordered = 14 double retainers and 4 single retainers ( $14/4 = 3.5$  - round up to 4)

## SLIDE LAG TABLE

USE THIS TABLE TO DETERMINE NUMBER OF SIX FOOT LENGTHS NEEDED TO COVER PULLEY																						
	PULLEY FACE WIDTH IN INCHES																					
	12	14	16	18	20	22	24	26	30	32	36	38	40	44	46	51	54	60	66	72		
P U L L E Y  D I A M E T E R  I N C H E S	10	1	1	2	2	2	2	2	2	3	3											
	12	1	2	2	2	2	2	2	3	3	3											
	14	2	2	2	2	2	3	3	3	3	4											
	16	2	2	2	2	3	3	3	3	4	4	4	5	5	5							
	18	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7					
	20	2	2	3	3	3	4	4	4	5	5	6	6	6	7	7	8	8	9			
	24	2	3	3	3	4	4	4	5	5	6	7	7	7	8	8	9	9	11	11		
	28				4	4	5	5	6	6	7	7	8	8	9	9	10	13	13	13	14	
	30					5	5	5	6	7	7	8	8	9	10	10	11	12	14	14	15	
	36							7	7	8	8	9	10	10	11	12	13	14	15	17	18	
	42								8	9	10	11	12	12	13	13	15	16	18	20	21	
	48								9	10	11	12	13	14	15	16	17	18	20	22		
	54									12	12	14	15	15	17	18	20	21	23	25	27	
60									13	14	15	16	17	19	20	22	23	25	28	30		

**NOTE:** Style 5 - Natural rubber - For general duty service.

**FOR SIZES NOT LISTED**

1. Divide Pulley DIA. by 2
2. Multiply X Pulley face
3. Divide by 72
4. Order next higher multiple of 72





## TOLERANCES

### Thickness Tolerances:

Gauge Thickness Inches	Tolerance on Gauge Inches (Plus or Minus)	Tolerance* on Length Plus or Minus
1/32	0.010	10%
1/16	0.015	10%
3/32	0.015	10%
1/8	0.015	10%
3/16	0.032	10%
1/4	0.032	10%
3/8	0.032	10%
1/2	0.047	10%
5/8	0.063	10%
3/4	0.093	10%
1	0.100	10%

\* Exceptions: 3/16" to 1" Skirtboard & Chute Lining 50ft +2ft -0

\* Tolerance specification of the RMA Sheet Rubber Handbook

### (Width Tolerances on Full Rolls:)

Normal Width Inches	Tolerance Inches (Plus or Minus)
36 and Over	1

### (Width Tolerances on Cut Rolls:)

Normal Width Inches	Tolerance Inches (Plus or Minus)
Various widths (Excluding Skirtboard Rubber)	+/- 1/8
Skirtboard Rubber	+/- .3937

### (Tolerances on Hardness:)

All Gauges = +/- 5 Durometer



## **IRP Custom Fabrication**

I.R.P. Industrial Rubber's fabrication department can construct any type of custom rubber part, or one of a kind design item, to your specification. Items such as seals, sleeves, gaskets, rubber doors, metal to rubber bonding, and roll covering are just a few of the items we can fabricate. We also have equipment to produce die cut gaskets or molded parts to your specific requirements. Quick response and service is our specialty.

Should you require further information please contact I.R.P. directly.

### **Custom Fabrications:**

- Die Cut Rubber Parts
- Gaskets, Various Compounds Either Hand or Die Cut
- Rubber Sleeves
- Roll Covering
- Rubber to Metal Bonding
- Anti-Fatigue Matting
- Molded Parts
- Rubber Extrusions
- Urethane Parts and Striping

## **IRP Quality**

### **Mission Statement**

I.R.P. Industrial Rubber Ltd, and its staff, endeavour, on a continuing basis, through effective systems, product knowledge and dedication to service excellence, To provide our customers with a wide range of Quality Products and off the Shelf Availability in a Courteous and Professional Manner.

### **Quality Standard**

In 1996 I.R.P. Industrial Rubber Ltd. recognized the value of incorporating a formal quality assurance program into it's customer service system.

The original program was certified in September 1997 following the guidelines set out by ISO 9002-1994 standards. The program has more recently been updated to the newly released ISO 9001-2008 standards.

Should you require further information please contact I.R.P. directly.



## IRP Locations

IRP Industrial Rubber Ltd. maintains two warehouses in Canada .

Our head office in Mississauga , Ontario services Eastern Canada while our location in Port Coquitlam , British Columbia services Western Canada .

Both facilities are located close to major highways allowing easy access for carriers, transports, as well as customers picking up.



### **Mississauga Location - Head Office and Main Warehouse.**

I.R.P. INDUSTRIAL RUBBER LTD.  
6300 Edwards Blvd., Unit 1  
Mississauga, ON L5T 2V7

Phone: 905-670-5700  
Fax: 905-670-3700  
Watts: 1-800-387-9537  
Email: sales@irprubber.com



### **British Columbia Location - Warehouse and Office**

I.R.P. INDUSTRIAL RUBBER LTD.  
1525 Broadway Street, Unit 120  
Port Coquitlam, BC V3C 6P6

Phone: 604-472-1200  
Fax: 604-472-1201  
Watts: 1-877-527-1200  
Email: saleswest@irprubber.com

### **Alberta Location - Head Office and Main Warehouse.**

I.R.P. INDUSTRIAL RUBBER LTD.  
5724 - 67th Ave. NW  
Edmonton, AB T6B 3P8

Phone: 780-485-1227  
Fax: 780-485-1228

## Terms & Conditions of Sale

**MINIMUM ORDER:** \$50.00 NET

**SALES TAXES:** Harmonized Sales Tax (HST), Federal Goods & Services Tax (GST) and/or Provincial Tax EXTRA where applicable

**SHIPPING TERMS:** FOB Mississauga or Port Coquitlam (Vancouver) Warehouses. Freight prepaid to other specified destinations in Canada on shipments over 1000 lbs.

**TERMS:** NET 30 DAYS to approved accounts.

**CONDITIONS OF SALE:** The purchaser agrees to the following provisions:

- a) "The seller shall not be liable in damages for, nor deemed to be in default by reason of any failure or delay in shipment of all or any part of this order caused by war, fire, flood, strike, lockouts, accident, act of God, Government order or requirement, interruption or shortage of materials or transportation facilities or other causes or circumstance, similar or otherwise, beyond its control".
- b) "The seller may decline to deliver hereunder except for cash if at any time the company shall not be satisfied as to the customer's credit or responsibility".
- c) All prices are subject to change without notice.

**WARRANTY:** "The seller guarantees the said goods against original defects in material or workmanship for (ONE YEAR) from date of shipment provided as follows:

- a) The goods are used, operated and maintained in a competent and normal manner by the buyer and in conformity with the seller's instructions.
- b) The seller's liability under the warranty shall be limited to replacement or repairs of any defective goods, free of charge to the buyer or, at the seller's option a refund of the purchase price less any adjusted charge for the service rendered by the defective goods.
- c) Any expressed or implied warranty that the goods are adequate for any particular purpose is hereby negated.
- d) With respect to goods not of the seller's own manufacture, this warranty shall apply only to the extent that the seller is able to enforce a claim of liability against the manufacturer thereof.
- e) The buyer shall give written notice to the seller forthwith after the discovery of any defect and thereafter shall make further use of the goods at his own risk.
- f) The seller shall not be liable for consequential damages arising out of the installation or use of the goods.
- g) This warranty is given in lieu of all other warranties, implied, statutory or otherwise."

**CLAIMS:** Our liability ceases when goods are delivered to the Transportation company and we hold receipt for them. Make your claim on the Transportation Companies for concealed as well as apparent damage, and advise us.

**RETURNS:** Returns will be accepted under the following conditions:

- a) Product must be a standard stock item in first class resaleable condition. Nonstandard lengths may not be returned for any reason.
- b) Rubber products cannot be returned if sale is over three months old, due to a lack of control we have over storage conditions and handling. (storage near heat, sources of ozone, or direct exposure to ultraviolet light has a detrimental effect on rubber and this product may cause a hazard if used after improper care).
- c) A 20% restocking charge and outgoing prepaid charges (if applicable) will be deducted from credits issued with a minimum charge of \$50.00.
- d) No returns will be accepted without preauthorization and a valid M.R.A. number.
- e) All goods must be returned freight prepaid.







