



**ECHELON**™  
SUPPLY AND SERVICE



# Industrial Cleaning Hoses, Fittings & Accessories

[www.echelonsupply.com](http://www.echelonsupply.com)

# Table of Contents

<b>HIGH PRESSURE CLEANING</b>	<b>1</b>
Thermoplastic - Supply Line .....	1
WBD10 - Rubber Supply Line .....	1
Thermoplastic - Flex Lances.....	2
Sewer Cleaning Hose .....	3
Pressure Wash Hose .....	4
PW Pressure Wash Assemblies.....	4
SK20 - Steam Cleaner/Pressure Wash Hose.....	5
QWB - Waterblast Coupling .....	6
QWS - Waterblast Screw To Connect .....	6
<b>QUICK DISCONNECTS</b>	<b>7</b>
QST Series - Straight Through - Coupler.....	7
<b>ACCESSORIES</b>	<b>8</b>
Nylon Whip Checks.....	8
<b>BUSH HOG / SUPER SUCKER</b>	<b>9</b>
<b>MATERIAL TRANSFER</b>	<b>11</b>
ADS Poly Vac Drain Hose - Single Wall .....	11
Metal Stripwound Hose.....	11
MT60 Industrial Vacuum - PU (Uremat) .....	12
MT67 Boarvac (180-HR Style) .....	12
MT70 Bulkmaster Hardwall Suction Hose.....	13
MT71 Eagle Vac Suction Hose .....	13
<b>PETROLEUM</b>	<b>14</b>
PH10 Oilflex® Tank Truck .....	14
PH14 Smooth Tank Truck .....	14
<b>SPECIALTY HOSE</b>	<b>15</b>
HC10 Hydrocarbon Drain Hose .....	15
CH12 UHMW Chemical Hose.....	15
CP60 Composite - Water Hose (GG) .....	16
CH12 UHMW Chemical Assemblies .....	16
<b>CAMLOCKS - ALUMINUM / STAINLESS</b>	<b>17</b>
<b>PIPE &amp; HAMMER UNIONS</b>	<b>18</b>
Flanges .....	18
<b>VALVES</b>	<b>19</b>
Lever Gate Valves .....	19
Stem Gate Valves.....	19
Knife Gate Valves.....	19
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	<b>20</b>
Safety Clothing (Style #1600) .....	20
Safety Clothing (Style #1601) .....	20
Chemfr™ (Style 205-420CV) .....	21
Rainwear (Style #9202-YFR).....	21
BOSS® (Style 4035).....	22
Base35FR™ (Style 4035FR) .....	22
Boots (Style #9258-B) .....	23
Boots (Style #9280) .....	23
Boots Neomax (Style #9285).....	23
Evolution® Deluxe (Style 280-EV6161).....	24
Bouton® Optical (Style 251-01-5211).....	24
Bouton® Optical.....	24
MaxiFlex® Ultimate™ (Style 34-874) .....	25
ProCoat® (Style 58-8030).....	26
Zenon Z12™ (Style #250-01-0001 & #250-01-0090) .....	27
Zenon Z12™ Foam (Style #250-01-F020 & #250-01-F021) .....	27
Fortis™ II (STYLE #251-80-0020).....	28
Mega Bullet™ (STYLE 267-HPF210C).....	28

# High Pressure Cleaning

## Thermoplastic - Supply Line



Part #	Description
H134H050FTMSC	20K, Thermoplastic, 13mm X 50', 1" Swivel Nut E/E, W-Cover
H206050FTMSC	20K, Thermoplastic, 20mm X 50', 1- 5/16" Swivel Nut E/E, W-Cover
H5MMUHP050FTMSC	40K, Thermoplastic, 5mm X 50', 9/16" Swivel Nut E/E, W-Cover
H86UHPX050FTMSC-7/8"	40K, Thermoplastic, 8mm X 50', 7/8" Swivel Nut E/E, W-Cover
H86UHPX050FTMSC-1-1/8"	40K, Thermoplastic, 8mm X 50', 1-1/8" Swivel Nut E/E, W-Cover (NLB)

## WBD10 - Rubber Supply Line



Part #	Description
WBD10-08MM50	10K, Rubber, 1/2" X 50', MNPT E/E
WBD10-16MM50	10K, Rubber, 1" X 50', MNPT E/E
WBD15-06MM50	15K, Rubber, 3/8" X 50', MNPT E/E
WBD15-08MM50	15K, Rubber, 1/2" X 50', MNPT E/E
WBD15-12MM50	15K, Rubber, 3/4" X 50', MNPT E/E
WBD20-08EE50	20K, Rubber, 1/2" X 50', M Swivel E/E

# High Pressure Cleaning

## Thermoplastic - Flex Lances



Part #	Description
H32035F1/16	Flex Lance,14.5K, 3/2 Duralife Flex, 35ft , 1/16" MNPT E/E
H32050F1/16	Flex Lance,14.5K, 3/2 Duralife Flex, 50ft , 1/16" MNPT E/E
H42035F1/16	Flex Lance 15K, 4/2 Duralife Flex, 35ft,1/16" MNPT E/E
H42050F1/16	Flex Lance 15K, 4/2 Duralife Flex, 50ft,1/16" MNPT E/E
H52035F1/8	Flex Lance,15K, 5/2 Duralife Flex, 35ft , 1/8" MNPT E/E
H52050F1/8	Flex Lance, 15K, 5/2 Duralife Flex, 50ft , 1/8" MNPT E/E
H62035F1/4	Flex Lance, 15K, 6/2 Duralife Flex, 35ft , 1/4" MNPT E/E
H62050F1/4	Flex Lance, 15K, 6/2 Duralife Flex, 50ft , 1/4" MNPT E/E
H82035F3/8	Flex Lance, 12K, 8/2 Duralife Flex, 35ft OAL, 3/8" MNPT E/E
H42H035FTM4NZLHM	Flex Lance, 20K,4/2H Blast-Pro, 35ft , 5mm Swivel Nut X 1/4" MLH
H42H050FTM4NZLHM	Flex Lance, 20K,4/2H Blast-Pro, 50ft , 5mm Swivel Nut X 1/4" MLH
H42H035FTM4NZRHM	Flex Lance, 20K,4/2H Blast-Pro, 35ft , 5mm Swivel Nut X 1/4" MRH
H42H050FTM4NZRHM	Flex Lance, 20K,4/2H Blast-Pro, 50ft , 5mm Swivel Nut X 1/4" MRH
H54035FTM6NZLHM	Flex Lance, 20K,5/4 Blast- Pro, 35ft , 5mm Swivel Nut X 3/8" MLH
H54050FTM6NZLHM	Flex Lance, 20K,5/4 Blast- Pro, 50ft , 5mm Swivel Nut X 3/8" MLH
H54035FTM6NZRHM	Flex Lance, 20K,5/4 Blast- Pro, 35ft , 5mm Swivel Nut X 3/8" MRH
H54050FTM6NZRHM	Flex Lance, 20K,5/4 Blast- Pro, 50ft , 5mm Swivel Nut X 3/8" MRH
H54035FTM6NZLHF	Flex Lance, 20K,5/4 Blast-Pro, 35ft , 5mm Swivel Nut X 3/8" FLH
H54050FTM6NZLHF	Flex Lance, 20K,5/4 Blast-Pro, 50ft , 5mm Swivel Nut X 3/8" FLH
H54035FTM6NZRHF	Flex Lance, 20K,5/4 Blast-Pro, 35ft , 5mm Swivel Nut X 3/8" FRH
H54050FTM6NZRHF	Flex Lance, 20K,5/4 Blast-Pro, 50ft , 5mm Swivel Nut X 3/8" FRH
H84035FTM9NZLHM	Flex Lance, 20K, 8/4 Blast-Pro, 35ft , 8mm Swivel Nut X 9/16" MLH
H84050FTM9NZLHM	Flex Lance, 20K, 8/4 Blast-Pro, 50ft , 8mm Swivel Nut X 9/16" MLH
H84035FTM9NZRHM	Flex Lance, 20K, 8/4 Blast-Pro, 35ft , 8mm Swivel Nut X 9/16" MRH
H84050FTM9NZRHM	Flex Lance, 20K, 8/4 Blast-Pro, 50ft , 8mm Swivel Nut X 9/16" MRH
H84035FTM9NZLHF	Flex Lance, 20K, 8/4 Blast-Pro, 35ft , 8mm Swivel Nut X 9/16" FLH
H84050FTM9NZLHF	Flex Lance, 20K, 8/4 Blast-Pro, 50ft , 8mm Swivel Nut X 9/16" FLH
H84035FTM9NZRHF	Flex Lance, 20K, 8/4 Blast-Pro, 35ft , 8mm Swivel Nut X 9/16" FRH
H84050FTM9NZRHF	Flex Lance, 20K, 8/4 Blast-Pro, 50ft , 8mm Swivel Nut X 9/16" FRH



# High Pressure Cleaning

## Sewer Cleaning Hose



- Tube:** Yellow olefin
- Reinforcement:** Synthetic fiber
- Cover:** Polyurethane - orange for 2500 psi, blue for 3000 psi, green for 4,000 psi, red for 5,000 psi.
- Temperature:** -40°C to +71°C (-40°F to +160°F)
- Packaging:** Coils
- Application:** Sewer Cleaning hose is constructed from materials selected to provide rugged and reliable service under the most severe and demanding conditions found in high pressure sewer cleaning.

Part Number	Cover	ID		OD		Max WP	Min BR	Weight	Standard Pack
		in	mm	in	mm	psi	in	lbs/ft	
SCH-2500-16-500	Orange	1	37.0	1.46	37.0	2,500	6.0	0.40	500' - Roll
SCH-2500-16-600	Orange	1	37.0	1.46	37.0	2,500	6.0	0.40	600' - Roll
SCH-2500-16-800	Orange	1	37.0	1.46	37.0	2,500	6.0	0.40	800' - Roll
SCH-3000-16-500	Blue	1	37.0	1.46	37.0	3,000	8.0	0.41	500' - Roll
SCH-3000-16-600	Blue	1	37.0	1.46	37.0	3,000	8.0	0.41	600' - Roll

Factory Crimped with Male NPT each end

Part Number	Cover	ID		OD		Max WP	Min BR	Weight	Standard Pack
		in	mm	in	mm	psi	in	lbs/ft	
SLGR-02	Green	1/8	8.1	0.32	8.1	4,000	1.3	0.04	Coil
SLGR-03	Green	3/16	10.4	0.41	10.4	4,000	1.8	0.05	Coil
SLGR-04	Green	1/4	12.7	0.50	12.7	4,000	2.5	0.06	Coil
SLGR-06	Green	3/8	16.5	0.65	16.5	4,000	3.0	0.11	Coil
SLGR-08	Green	1/2	21	0.83	21	4,000	4.0	0.16	Coil
SLRD-04	Red	1/4	12.2	0.50	12.2	5,000	2.5	0.05	Coil
SLRD-06	Red	3/8	16.5	0.65	16.5	5,000	3.0	0.13	Coil

# High Pressure Cleaning

## Pressure Wash Hose



- Tube:** Black synthetic rubber
- Reinforcement:** One/two braids of high tensile steel wire
- Cover:** Smooth black, blue, gray (yellow – oil resistant) abrasion & weather resistant synthetic rubber
- Packaging:** 50',100' and reels
- Application:** Pressure wash equipment.

Part Number	Cover	Max Temp		Steam Service	ID in	OD in	Max WP psi	Min BR in	Weight lbs/ft	Coupling
		°F	°C							
PW4-06	Black	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW4B-04	Blue	250	121	No	1/4	0.48	4,000	3.0	0.19	E
PW4B-06	Blue	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW4G-06	Gray	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW4Y-06	Yellow	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW6-06	Black	250	121	No	3/8	0.67	6,000	6.0	0.39	E
PW6B-06	Blue	250	121	No	3/8	0.67	6,000	6.0	0.39	E
PW6G-06	Gray	250	121	No	3/8	0.67	6,000	6.0	0.39	E

## PW Pressure Wash Assemblies



Part Number	Cover	Max Temp		Steam Service	ID in	Length	Max WP psi	Fitting A	Fitting B
		°F	°C						
PW4-06MMS50	Black	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4-06MMS75	Black	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4-06MMS100	Black	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW4B-06MMS50	Blue	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4B-06MMS75	Blue	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4B-06MMS100	Blue	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW4Y-06MMS50	Yellow	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4Y-06MMS75	Yellow	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4Y-06MMS100	Yellow	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW4G-06MMS50	Gray	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4G-06MMS75	Gray	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4G-06MMS100	Gray	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW6-06MMS50	Black	250	121	No	3/8	50'	6,000	NPT-Solid	NPT-Swivel
PW6-06MMS75	Black	250	121	No	3/8	75'	6,000	NPT-Solid	NPT-Swivel
PW6-06MMS100	Black	250	121	No	3/8	100'	6,000	NPT-Solid	NPT-Swivel
PW6B-06MMS50	Blue	250	121	No	3/8	50'	6,000	NPT-Solid	NPT-Swivel
PW6B-06MMS75	Blue	250	121	No	3/8	75'	6,000	NPT-Solid	NPT-Swivel
PW6B-06MMS100	Blue	250	121	No	3/8	100'	6,000	NPT-Solid	NPT-Swivel
PW6G-06MMS50	Gray	250	121	No	3/8	50'	6,000	NPT-Solid	NPT-Swivel
PW6G-06MMS75	Gray	250	121	No	3/8	75'	6,000	NPT-Solid	NPT-Swivel
PW6G-06MMS100	Gray	250	121	No	3/8	100'	6,000	NPT-Solid	NPT-Swivel



# High Pressure Cleaning

## SK20 - Steam Cleaner/Pressure Wash Hose



- Tube:** Black synthetic rubber
- Reinforcement:** Two braids of high tensile steel wire
- Cover:** Smooth black oil and abrasion resistant synthetic rubber
- Packaging:** Packaging: Reels
- Application:** Is used on either steam cleaner machines or combination steam cleaner/pressure wash machines.

Steam Service - up to 325°F (163°C)

Part Number	ID		OD		Max WP	Min BR		Weight	Two Piece Ferrule	Two Piece Insert
	in	mm	in	mm	psi	in	mm	lbs/ft		
SK20-06	3/8	14.8	0.58	14.8	350	4.0	101.6	0.28	SK20-06F	SK06-06MP
SK20-08	1/2	20.4	0.80	20.4	350	4.5	114.3	0.35	SK20-08F	SK08-08MP

Water Service - up to 250°F (121°C)

Part Number	ID		OD		Max WP	Min BR		Weight	Two Piece Ferrule	Two Piece Insert
	in	mm	in	mm	psi	in	mm	lbs/ft		
SK20-06	3/8	14.8	0.58	14.8	6,000	4.0	101.6	0.28	SK20-06F	SK06-06MP
SK20-08	1/2	20.4	0.80	20.4	6,000	4.5	114.3	0.35	SK20-08F	SK08-08MP

**SK20 No-Skive Ferrule**

Part Number	ID	D	L
	in	mm	mm
SK20-06F	3/8	25.0	28.0
SK20-08F	1/2	28.0	28.0

**SK20 Two-Piece insert**

Part Number	ID	F	H	
	in		mm	in
SK06-06MP	3/8	3/8 - 18	28.6	1.12
SK08-08MP	1/2	1/2 - 14	35.0	1.38

### SK20 - Steam cleaner assembly

Part Number	ID	Length	Fitting A	Fitting B
	in			
SK20-06MM50	3/8	50	NPT-Solid	NPT-Solid
SK20-06MM100	3/8	100	NPT-Solid	NPT-Solid
SK20-08MM50	1/2	50	NPT-Solid	NPT-Solid
SK20-08MM100	1/2	100	NPT-Solid	NPT-Solid

# High Pressure Cleaning

## QWB - Waterblast Coupling

**Application:** Waterblast  
**Interchangeability:** Dixon EA, Parker WB, Aeroquip FD69, Snap-Tite 56  
**Temperature Range:** -40°C to +70°C (-40°F to +158°F)



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWBC86FP	1/2"	3/8" F - NPT	10,000	Steel
QWBC88FP	1/2"	1/2" F - NPT	10,000	Steel



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWBN86FP	1/2"	3/8" F - NPT	10,000	Steel
QWBN88FP	1/2"	1/2" F - NPT	10,000	Steel



Set Male + Female QDs

Part Number	Size	Thread Size	Max WP	Material
			psi	
QWBC86-SET	1/2" / 1/2"	3/8" F - NPT / 3/8" F - NPT	10,000	Steel
QWBC88-SET	1/2" / 1/2"	1/2" F - NPT / 1/2" F - NPT	10,000	Steel

## QWS - Waterblast Screw To Connect

**Application:** Waterblast  
**Interchangeability:** Dixon 4TDF4-SS, Spirstar, CQD, DNP CRS  
**Temperature Range:** -40°C to +70°C (-40°F to +158°F)



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWSC86FP-S6	1/2"	3/8" F - NPT	15,000	316 Stainless
QWSC88FP-S6	1/2"	1/2" F - NPT	15,000	316 Stainless



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWSN86FP-S6	1/2"	3/8" F - NPT	15,000	316 Stainless
QWSN88FP-S6	1/2"	1/2" F - NPT	15,000	316 Stainless



Set Male & Female QDs

Part Number	Size	Thread Size	Max WP	Material
			psi	
QWBC86-SET	1/2" / 1/2"	3/8" F - NPT / 3/8" F - NPT	15,000	316 Stainless
QWBC88-SET	1/2" / 1/2"	1/2" F - NPT / 1/2" F - NPT	15,000	316 Stainless



# Quick Disconnects

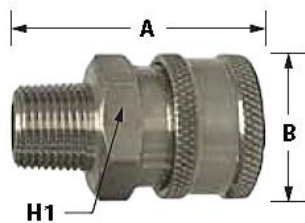
## QST Series - Straight Through - Coupler



**Coupler - Female**

Body Size	Thread Size	304 Stainless	Brass	Dimensions (In)		
				A	B	H1
1/4"	1/4" Female - NPT	QSTC44FP-S4	QSTC44FP-BR	1.40	0.96	0.81
3/8"	3/8" Female - NPT	QSTC66FP-S4	QSTC66FP-BR	1.60	1.13	1.00
1/2"	1/2" Female - NPT	QSTC88FP-S4	QSTC88FP-BR	1.96	1.27	1.13
3/4"	3/4" Female - NPT	QSTC1212FP-S4	QSTC1212FP-BR	2.10	1.65	1.50
1"	1" Female - NPT	QSTC1616FP-S4	QSTC1616FP-BR	2.36	2.02	1.75
1-1/4"	1-1/4" Female - NPT	—	QSTC2020FP-BR	2.36	2.59	2.25
1-1/2"	1-1/4" Female - NPT	—	QSTC2424FP-BR	2.89	3.18	2.75
2"	2" Female - NPT	—	QSTC3232FP-BR	3.00	4.04	3.50

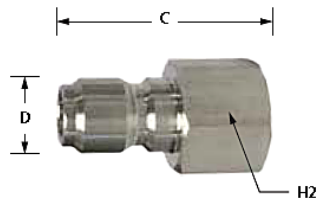
\* Add suffix - LS for locking sleeve



**Coupler - Male**

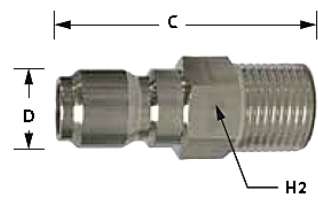
Body Size	Thread Size	304 Stainless	Brass	Dimensions (In)		
				A	B	H1
1/4"	1/4" Male - NPT	QSTC44MP-S4	QSTC44MP-BR	1.66	0.96	0.81
3/8"	3/8" Male - NPT	QSTC66MP-S4	QSTC66MP-BR	1.70	1.13	1.00
1/2"	1/2" Male - NPT	QSTC88MP-S4	QSTC88MP-BR	2.00	1.27	1.13
3/4"	3/4" Male - NPT	QSTC1212MP-S4	QSTC1212MP-BR	2.24	1.65	1.50
1"	1" Male - NPT	QSTC1616MP-S4	QSTC1616MP-BR	2.61	2.02	1.75

\* Add suffix - LS for locking sleeve



**Nipple - Female**

Body Size	Thread Size	304 Stainless	Brass	Dimensions (In)		
				A	B	H2
1/4"	1/4" Female - NPT	QSTN44FP-S4	QSTN44FP-BR	1.47	—	0.69
3/8"	3/8" Female - NPT	QSTN66FP-S4	QSTN66FP-BR	1.60	—	0.88
1/2"	1/2" Female - NPT	QSTN88FP-S4	QSTN88FP-BR	1.82	—	1.00
3/4"	3/4" Female - NPT	QSTN1212FP-S4	QSTN1212FP-BR	2.05	—	1.19
1"	1" Female - NPT	QSTN1616FP-S4	QSTN1616FP-BR	2.36	—	1.50
1-1/4"	1-1/4" Female - NPT	—	QSTN2020FP-BR	2.47	—	2.00
1-1/2"	1-1/4" Female - NPT	—	QSTN2424FP-BR	2.74	—	2.25
2"	2" Female - NPT	—	QSTN3232FP-BR	3.00	—	2.63



**Nipple - Male**

Body Size	Thread Size	304 Stainless	Brass	Dimensions (In)		
				A	B	H2
1/4"	1/4" Male - NPT	QSTN44MP-S4	QSTN44MP-BR	1.50	—	0.56
3/8"	3/8" Male - NPT	QSTN66MP-S4	QSTN66MP-BR	1.69	—	0.69
1/2"	1/2" Male - NPT	QSTN88MP-S4	QSTN88MP-BR	1.91	—	0.88
3/4"	3/4" Male - NPT	QSTN1212MP-S4	QSTN1212MP-BR	2.25	—	1.06
1"	1" Male - NPT	QSTN1616MP-S4	QSTN1616MP-BR	2.45	—	1.38

# Accessories

## Nylon Whip Checks

### Help protect your workers from injury and your equipment from damage

To reduce damage to equipment and injury to personnel when pipes or hoses accidentally disconnect while under pressure. Suitable for use on pneumatic, water and hydraulic pipes and hoses. Slide the two rubber grommets to keep choked eyes snug on the hose. The available standard lengths will accommodate pipes and hoses with inside diameters from 1/4" up to 10". Meets both OSHA and Canada OHS requirements for restraining devices on pipe and hose connections.

#### Available in Four Different Strengths

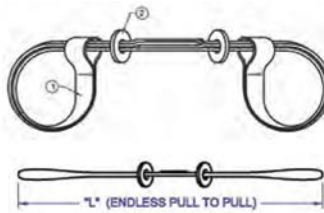


HH230



HH430

**OSHA 1926.603(a)(10)** states: Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.



Part Number	Length (L)	Maximum Working Pressure (PSI)									
		Recommended for Use on the Following Pipe and Hose Inside Diameters									
		1/4"	1/2"	3/4"	1"	2"	3"	4"	6"	8"	10"
HH130	30"	26,000	6,500	2,900	1,650	400	-	-	-	-	-
HH140	40"	-	-	-	1,650	400	175	100	-	-	-
HH230	30"	52,000	13,000	6,800	3,300	750	-	-	-	-	-
HH244	44"	-	-	-	3,300	750	350	200	-	-	-
HH264	64"	-	-	-	-	750	350	200	90	-	-
HH330	30"	-	29,000	13,000	7,300	1,800	-	-	-	-	-
HH344	44"	-	-	-	7,300	1,800	820	460	-	-	-
HH364	64"	-	-	-	-	1,800	820	460	200	-	-
HH430	30"	-	37,000	16,000	9,400	2,300	-	-	-	-	-
HH444	44"	-	-	-	9,400	2,300	1,040	580	-	-	-
HH464	64"	-	-	-	-	2,300	1,040	580	260	-	-

Round Nylon Whipcheck											
HHS9X8.000	96"	-	-	-	-	-	-	-	-	290	-
HHS12X8.000	96"	-	-	-	-	-	-	-	-	370	230
HHS12X9.500	114"	-	-	-	-	-	-	-	-	370	230



# Bush Hog / Super Sucker

## Bush Hog Female



Part Number	Size
BHF-400	4"
BHF-600	6"
BHF-800	8"
BHF-HD	

## Bush Hog Male



Part Number	Size
BHM-400	4"
BHM-600	6"
BHM-800	8"
BHM-HD	

## Bush Hog Female HD



Part Number	Size
BHFK-400	4"
BHFK--600	6"
BHFK--800	8"

## Bush Hog Male HD



Part Number	Size
BHMK-400	4"
BHMK--600	6"
BHMK--800	8"

## Bush Hog Clamp



Part Number	Size
BHC-400	4"
BHC-600	6"
BHC-800	8"

## Bush Hog Gasket



Part Number	Size
BHG-400	4"
BHG-600	6"
BHG-800	8"

## Bush Hog 45



Part Number	Size
BH45-400	4"
BH45-600	6"
BH45-800	8"

## Bush Hog 90



Part Number	Size
BH90-400	4"
BH90-600	6"
BH90-800	8"

## Bush Hog End Cap



Part Number	Size
BHEC-400	4"
BHEC-600	6"
BHEC-800	8"

## Bush Hog End Plug



Part Number	Size
BHEP-400	4"
BHEP-600	6"
BHEP-800	8"

# Bush Hog / Super Sucker

## Bush Hog Line Tee



Part Number	Size
BHLT-400	4"
BHLT-600	6"
BHLT-800	8"

## Bush Hog End Tee



Part Number	Size
BHET-400	4"
BHET-600	6"
BHET-800	8"

## Vacuum Breaker



Part Number	Size
BHVB-400	4"
BHVB--600	6"
BHVB--800	8"

## Bush Hog Y



Part Number	Size
BHY-400	4"
BHY--600	6"
BHY--800	8"

## Bush Hog Reducer



Part Number	Size
BHR-600400	6"M x 4"F
BHR-800600	8"M x 6"F

## Bush Hog Increase



Part Number	Size
BHI-400600	4"M x 6"F
BHI-600800	6"M x 8"F

## Aluminum Dig Tube Steel Bash Hog Ends



Part Number	Size
BHAL6X120STMF	6" x120"
BHAL8X120STMF	8" x120"

## Aluminum Dig Tube Flat Flange x Flat Flange



Part Number	Size
	6" x120"
	8" x120"

## Bush Hog Crown



Part Number	Size
BHC-600	6" x 60"
BHC-600	6" x 72"
BHC-600	6" x 84"
BHC-800	8" x 60"
BHC-800	8" x 72"
BHC-800	8" x 84"

# Material Transfer



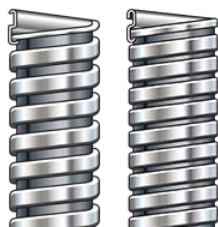
## ADS Poly Vac Drain Hose - Single Wall

**Tube & Cover:** HDPE (High Density Polyethylene)

**Temperature:** 105° F

**Application:** Lightweight industrial grade truck hose used for a wide variety of suction application including catch basin, sewage and trash.

Part Number	Color	ID		OD		Min BR in	Weight lbs/ft	Standard Pack
		in	mm	in	mm			
PV10-400	BLACK	4	119.3	4.7	119.3	-	0.34	100' - Length
PV10-600	BLACK	6	177.8	7.0	177.8	-	0.77	100' - Length
PV10-800	BLACK	8	241.3	9.5	241.3	-	1.30	20' - Length
PV12-400	YELLOW	4	119.3	4.7	119.3	-	0.34	100' - Length
PV12-600	YELLOW	6	177.8	7.0	177.8	-	0.77	100' - Length



## Metal Stripwound Hose

**Temperature:** -60°F to 500°F

**Application:** Granular material, engine intake & exhaust systems and conduit






Part Number	ID		OD		Material	Packed	Min BR in	Weight lbs/ft	Standard Pack
	in	mm	in	mm					
MSG-300	3	85.3	3.36	85.3	Galvanized	No	12	1.60	50' - Length
MSG-400	4	110.7	4.36	110.7	Galvanized	No	16	2.20	50' - Length
MSG-600	6	161.5	6.36	161.5	Galvanized	No	23	3.20	50' - Length
MSG-800	8	212.3	8.36	212.3	Galvanized	No	30	4.20	50' - Length
MSS-300	3	85.3	3.36	85.3	Stainless	Yes	12	1.80	50' - Length
MSS-400	4	110.7	4.36	110.7	Stainless	Yes	16	2.40	50' - Length
MSS-600	6	161.5	6.36	161.5	Stainless	Yes	23	3.40	50' - Length
MSS-800	8	212.3	8.36	212.3	Stainless	Yes	30	4.40	50' - Length

# Material Transfer



## MT60 Industrial Vacuum - PU (Uremat)

- Tube:** Polyurethane
- Reinforcement:** Rigid PVC Helix
- Cover:** PVC/Polyurethane
- Temperature:** -40°C to +65°C (-40°F to +150°F)
- Application:** Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of sands, plastic pellets, gravel, wood chips, slurries and fly ash. Cover is a specially formulated static dissipative compound with low temperature flexibility.






Part Number						Vacuum Inches		Standard Pack
	ID	OD		Max WP	Min BR	Inches	Weight	
	in	in	mm	psi	in	Hg	lbs/ft	
MT60-150	1-1/2	1.85	47.0	50	2.0	28	0.42	100' - Length
MT60-200	2	2.40	61.0	40	3.0	28	0.59	100' - Length
MT60-250	2-1/2	3.07	78.0	40	3.0	28	0.80	100' - Length
MT60-300	3	3.64	92.5	40	4.0	28	1.18	100' - Length
MT60-400	4	4.76	121.0	35	6.0	28	1.95	100' - Length
MT60-500	5	5.75	146.0	35	10.0	28	2.42	100' - Length
MT60-600	6	6.81	173.0	35	12.0	28	3.50	100' - Length
MT60-800	8	9.18	233.0	30	18.0	28	5.91	20/50' - Length
MT60-1000	10	11.60	244.5	22	26.0	24	9.90	20' - Length

\* Counter-clockwise / left hand helix



## MT67 Boarvac (180-HR Style)

- Tube:** Smooth SBR rubber blended with static carbon black
- Reinforcement:** Steel helix
- Cover:** SBR corrugated
- Temperature:** -40°C to +60°C (-40°F to +220°F)
- Application:** Heavy duty abrasive resistant suction hose for vacuum trucks or handling abrasives such as crushed rock, sand, pea gravel, cement, dry fertilizer, iron ore, and grains.

Part Number						Vacuum Inches		Standard Pack
	ID	OD		Max WP	Min BR	Inches	Weight	
	in	in	mm	psi	in	Hg	lbs/ft	
MT67-300	3	3.51	89.2	35	3.0	29	1.20	100' - Length
MT67-400	4	4.10	119.0	30	5.5	29	1.77	100' - Length
MT67-500	5	5.75	146.0	30	8.5	28	2.61	100' - Length
MT67-600	6	6.90	175.0	30	10.0	28	3.45	100' - Length
MT67-800	8	9.11	231.0	30	15.0	27	6.02	50' - Length

\* Clockwise / right hand helix








# Material Transfer



## MT70 Bulkmaster Hardwall Suction Hose

- Tube:** Tan abrasion resistant natural rubber
- Reinforcement:** A high tensile steel helix embedded between layers of textiles cords
- Cover:** Black abrasion resistant rubber, corrugated for flexibility
- Temperature:** -30°C to +85°C (-22°F to +185°F)
- Application:** For tank truck, in-plant service and hydro excavation. Used to convey abrasive materials such as sand, limestone, and plastic pallets.
- Branding:** FORSAFLEX MT70-800 8" BULKMASTER HARDWALL SUCTION 75 PSI MAX WP






Part Number						Vacuum Inches		Standard Pack
	ID	OD		Max WP	Min BR	Vacuum Inches	Weight	
	in	in	mm	psi	in	Hg	lbs/ft	
MT70-300	3	3.86	98.0	75	10.5	27	2.45	100' - Length
MT70-400	4	4.92	125.0	75	16.1	27	3.66	100' - Length
MT70-500	5	5.91	150.0	75	20.0	27	4.46	100' - Length
MT70-600	6	6.89	175.0	75	24.0	27	5.25	100' - Length
MT70-800	8	9.01	229.0	75	32.0	27	9.36	100' - Length
MT70-1000	10	11.8	284.0	75	40.0	27	16.51	25' Lengths
MT70-800-27-SC	8	9.01	229.0	75	32.0	27	9.36	27' - Length
MT70-800-32-SC	8	9.01	229.0	75	32.0	27	9.36	32' - Length

\* Soft cuffs - SC  
 \* Split flanges are available



## MT71 Eagle Vac Suction Hose

- Tube:** 5/16" Smooth white NR, abrasion resistant
- Reinforcement:** High tensile textile cord, steel helix
- Cover:** NR/SBR green, corrugated, abrasion, weather and ozone resistant
- Temperature:** -30°C to +85°C (-22°F to +185°F)
- Application:** Special hose for VAC truck applications for transport of dry or wet media such as mud, sand or blasting media.
- Branding:** FORSAFLEX MT71-800 8" EAGLE VAC SUCTION HOSE 45 PSI MAX WP






Part Number						Vacuum Inches		Standard Pack
	ID	OD		Max WP	Min BR	Vacuum Inches	Weight	
	in	in	mm	psi	in	Hg	lbs/ft	
MT71-800	8	9.17	232.9	45	43	29	9.07	50' / 100' - Length

# Petroleum



## PH10 Oilflex® Tank Truck






- Tube:** Black nitrile for maximum oil resistant
- Reinforcement:** A high tensile steel helix embedded between layers of textile cords
- Cover:** Red flat corrugated oil and weather resistant rubber
- Temperature:** -40°C to +88°C (-40°F to +190°F)
- Application:** An all purpose lightweight and flexible petroleum suction and discharge hose for use with gasoline, diesel, hydraulic return lines, oil suspensions and emulsions.
- Branding:** FORSAFLEX PH10-200 2" OILFLEX® TANK TRUCK 150 PSI MAX WP

Part Number					Vacuum Inches			Standard Pack
	in	in	mm	psi	Hg	in	lbs/ft	
PH10-100	1	1.43	36.4	150	26	2.5	0.54	100' - Length
PH10-125	1-1/4	1.69	43.0	150	26	3.0	0.67	100' - Length
PH10-150	1-1/2	1.93	49.0	150	26	3.4	0.84	100' - Length
PH10-200	2	2.47	62.8	150	26	5.0	1.10	100' - Length
PH10-250	2-1/2	2.97	75.5	150	26	5.5	1.41	100' - Length
PH10-300	3	3.51	89.2	150	26	8.0	1.72	100' - Length
PH10-400	4	4.55	115.6	150	26	12.5	2.27	100' - Length
PH10-600	6	6.70	168.4	150	26	24.0	4.77	100' - Length
PH10-800	8	8.90	232.2	150	26	33.0	6.02	100' - Length



## PH14 Smooth Tank Truck

- Tube:** Black nitrile for maximum oil resistant
- Reinforcement:** A high tensile steel helix embedded between layers of textile cords
- Cover:** Black smooth oil and weather resistant rubber
- Temperature:** -40°C to +88°C (-40°F to +190°F)
- Application:** An all purpose lightweight and flexible petroleum suction and discharge hose for use with gasoline, diesel, hydraulic return lines, oil suspensions and emulsions.
- Branding:** FORSAFLEX PH14-200 2" TANK TRUCK 150 PSI MAX WP

Part Number					Vacuum Inches			Standard Pack
	in	in	mm	psi	Hg	in	lbs/ft	
PH14-150	1-1/2	1.93	49.0	150	26	3.4	0.84	100' - Length
PH14-200	2	2.47	62.8	150	26	5.0	1.10	100' - Length
PH14-250	2-1/2	2.97	75.5	150	26	5.5	1.41	100' - Length
PH14-300	3	3.51	89.2	150	26	8.0	1.72	100' - Length
PH14-400	4	4.55	115.6	150	26	12.5	2.27	100' - Length
PH14-600	6	6.70	168.4	150	26	24.0	4.77	100' - Length

\*1-1/2", 2" and 2-1/2" exceeds SAE 100R4 specifications









# Specialty Hose



## HC10 Hydrocarbon Drain Hose

- Tube:** Black nitrile
- Reinforcement:** 1" Steel wire braid  
2" & 4" A high tensile steel helix embedded between layers of textile cords
- Cover:** Blue chloroprene
- Temperature:** -28°C up to 105°C (-20°F up +300°F)
- Application:** Designed for applications requiring resistance to oil and petroleum based fluids. For use in refining industry during transfer of hydrocarbons  
**Not for steam use.**
- Branding:** FORSAFLEX HC10-100 1" HYDROCARBON 300 PSI MAX WP






Part Number						Standard Pack
	ID	OD		Max WP	Weight	
	in	in	mm	psi	lbs/ft	
HC10-075	3/4	1.10	27.9	300	0.57	50' Length
HC10-200	2	2.62	66.6	300	1.41	50' Length
HC10-400	4	4.83	122.7	300	3.52	50' Length



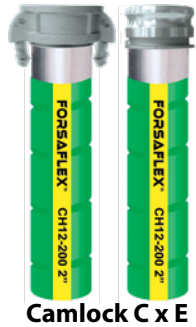
## CH12 UHMW Chemical Hose

- Tube:** Clear smooth (UHMW) Ultra High Molecular Weight
- Reinforcement:** High tensile textile cord and steel wire helix
- Cover:** Flat corrugated green EPDM
- Temperature:** -30°C to +121°C (-22°F to +250°F)
- Application:** CH12 will handle 94% of common chemical, petroleum, and DEF products in both suction and discharge applications. Corrugated cover makes for greater flexibility.
- Branding:** CH12-200 2" UHMW CHEMICAL HOSE 250 PSI MAX WP

\* Steam cleaning without pressure up to 120°C / 248°F max 30 min.

Part Number					Vacuum Inches			Standard Pack
	ID	OD		Max WP		Min BR	Weight	
	in	in	mm	psi	Hg	in	lbs/ft	
CH12-075	3/4	1.19	30.2	250	27	3.7	0.40	100' - Length
CH12-100	1	1.47	37.4	250	27	5.0	0.54	100' - Length
CH12-125	1¼	1.81	46.0	250	27	6.3	0.91	100'-Length
CH12-150	1½	2.01	51.1	250	27	7.5	1.09	100' - Length
CH12-200	2	2.63	66.8	250	27	10.0	1.56	100' - Length
CH12-250	2½	3.03	77.0	250	27	12.4	1.78	100' - Length
CH12-300	3	3.63	92.2	250	27	15.0	2.33	100' - Length
CH12-400	4	4.63	117.6	250	27	20.0	3.05	100' - Length
CH12-600	6	6.89	175.0	250	27	30.0	6.90	100' - Length

# Specialty Hose



## CH12 UHMW Chemical Assemblies

### 316 Stainless Ends

Part Number	Hose Size	316 Stainless (A)	316 Stainless (B)	Length	Attaching Method
				ft	
CH12-100CE20-RL-S6	1	C - locking	E	20	Crimp
CH12-150CE20-RL-S6	1-1/2	C - locking	E	20	Crimp
CH12-200CE20-RL-S6	2	C - locking	E	20	Crimp
CH12-300CE20-RL-S6	3	C - locking	E	20	Crimp
CH12-400CE20-RL-S6	4	C - locking	E	20	Crimp
CH12-100CE20-S6	1	C	E	20	Crimp
CH12-150CE20-S6	1-1/2	C	E	20	Crimp
CH12-200CE20-S6	2	C	E	20	Crimp
CH12-300CE20-S6	3	C	E	20	Crimp
CH12-400CE20-S6	4	C	E	20	Crimp
CH12-100FLFL20-S6	1	Floating-150lbs	Floating-150lbs	20	Crimp
CH12-150FLFL20-S6	1-1/2	Floating-150lbs	Floating-150lbs	20	Crimp
CH12-200FLFL20-S6	2	Floating-150lbs	Floating-150lbs	20	Crimp
CH12-300FLFL20-S6	3	Floating-150lbs	Floating-150lbs	20	Crimp
CH12-400FLFL20-S6	4	Floating-150lbs	Floating-150lbs	20	Crimp



Other lengths and fitting combinations are available.





### ⚠ WARNING!

- The temperature of the medium must be lower than its boiling point.
- Consult the Chemical Resistance Guide for compatibility.



## CP60 Composite - Water Hose (GG)

- Lining:** White polypropylene  
**Cover:** Blue PVC coated polyester  
**Inner Wire:** Galvanized steel  
**Outer Wire:** Galvanized steel  
**Temperature:** -40°C to +80°C (-40°F to +176°F)  
**Application:** CP60 is a very flexible hose preferred by many users for construction, dewatering, municipal, irrigation and mining applications.  
**Branding:** FORSAFLEX CP60-600 6" WATER HOSE 200 PSI MAX WP

Part Number			Vacuum Inches			Standard Pack
	ID in	Max WP psi	Hg	Min BR in	Weight lbs/ft	
CP60-400	4	200	26	16.0	3.50	65'
CP60-600	6	200	26	23.0	7.70	65'
CP60-800	8	200	26	32.0	12.00	65'
CP60-1000	10	200	26	40.0	16.90	40'
CP60-1200	12	200	26	47.0	19.80	40'



# Camlocks - Aluminum / Stainless



	Part A	Part B	Part C	Part D	Part E
Size	Part No.	Part No.	Part No.	Part No.	Part No.
1-1/2"	AL-A150 / SS-A150	AL-B150 / SS-B150	AL-C150 / SS-C150	AL-D150 / SS-D150	AL-E150 / SS-E150
2"	AL-A200 / SS-A200	AL-B200 / SS-B200	AL-C200 / SS-C200	AL-D200 / SS-D200	AL-E200 / SS-E200
3"	AL-A300 / SS-A300	AL-B300 / SS-B300	AL-C300 / SS-C300	AL-D300 / SS-D300	AL-E300 / SS-E300
4"	AL-A400 / SS-A400	AL-B400 / SS-B400	AL-C400 / SS-C400	AL-D400 / SS-D400	AL-E400 / SS-E400
6"	AL-A600 / SS-A600	AL-B600 / SS-B600	AL-C600 / SS-C600	AL-D600 / SS-D600	AL-E600 / SS-E600
8"	AL-A800-1 / SS-A800-1	AL-B800-1 / SS-B800-1	AL-C800-1 / SS-C800-1	AL-D800-1 / SS-D800-1	AL-E800-1 / SS-E800-1
8"	AL-A800-2 / SS-A800-2	AL-B800-2 / SS-B800-2	AL-C800-2 / SS-C800-2	AL-D800-2 / SS-D800-2	AL-E800-2 / SS-E800-2

-1 = PT Type / -2 = Dixon, Neco Type



	Part F	Part DP	Part DC	Part DCL	Part DA
Size	Part No.	Part No.	Part No.	Part No.	Part No.
1-1/2"	AL-F150 / SS-F150	AL-DP150 / SS-DP150	AL-DC150 / SS-DC150	-	AL-DA150 / SS-DA150
2"	AL-F200 / SS-F200	AL-DP200 / SS-DP200	AL-DC200 / SS-DC200	AL-DCL200 / SS-DCL200	AL-DA200 / SS-DA200
3"	AL-F300 / SS-F300	AL-DP300 / SS-DP300	AL-DC300 / SS-DC300	AL-DCL300 / SS-DCL300	AL-DA300 / SS-DA300
4"	AL-F400 / SS-F400	AL-DP400 / SS-DP400	AL-DC400 / SS-DC400	AL-DCL400 / SS-DCL400	AL-DA400 / SS-DA400
6"	AL-F600 / SS-F600	AL-DP600 / SS-DP600	AL-DC600 / SS-DC600	AL-DCL600 / SS-DCL600	AL-DA600 / SS-DA600
8"	AL-F800-1 / SS-F800-1	AL-DP800-1 / SS-DP800-1	AL-DC800-1 / SS-DC800-1	-	--
8"	AL-F800-2 / SS-F800-2	AL-DP800-2 / SS-DP800-2	AL-DC800-2 / SS-DC800-2	-	--

-1 = PT Type / -2 = Dixon, Neco Type

## Flange 150# x Male Camlock



Size (in)	Part No.
2	AL-FLA200 / SS-FLA200
3	AL-FLA300 / SS-FLA300
4	AL-FLA400 / SS-FLA400
6	AL-FLA600 / SS-FLA600
8	AL-FLA800-1 / SS-FLA800-1

## Flange 150# x Female Camlock



Size (in)	Part No.
4	AL-FLD400 / SS-FLD400
6	AL-FLD600 / SS-FLD600

# Pipe & Hammer Unions

## Flanges



**Red SBR  
Flange Gasket**

**Asbestos Free  
Fiber Gasket**

**Asbestos Free  
Fiber Gasket  
(No Holes)**

**Metal Ring  
Flange Gasket**

**150 lbs Flange  
Bolt Kit**

Size	Part Numbers				
1-1/2"	FLG-150-RS	FLG-150-FG	FGNH-150-FG	FLG-150-MG	FL-150-BK
2"	FLG-200-RS	FLG-200-FG	FGNH-200-FG	FLG-200-MG	FL-200-BK
3"	FLG-300-RS	FLG-300-FG	FGNH-300-FG	FLG-300-MG	FL-300-BK
4"	FLG-400-RS	FLG-400-FG	FGNH-400-FG	FLG-400-MG	FL-400-BK
6"	FLG-600-RS	FLG-600-FG	FGNH-600-FG	FLG-600-MG	FL-600-BK
8"	FLG-800-RS	FLG-800-FG	FGNH-800-FG	FLG-800-MG	FL-800-BK
10"	FLG-1000-RS	FLG-1000-FG	FGNH-1000-FG	FLG-1000-MG	FL-1000-BK
12"	FLG-1200-RS	FLG-1200-FG	FGNH-1200-FG	FLG-1200-MG	FL-1200-BK



**FLANGE REDUCERS - RAISED FACE**

Part Number	Size & Description
FLWR-4030	4" x 3" Reducer
FLWR-6040	6" x 4" Reducer
FLWR-8060	8" x 6" Reducer
FLWR-1080	10" x 8" Reducer
FLWR-1210	12" x 10" Reducer



**FLANGE 45° - RAISED FACE**

Part Number	Size & Description
FLEL45-4040	4" Flange 45°
FLEL45-6060	6" Flange 45°
FLEL45-8080	8" Flange 45°
FLEL45-1010	10" Flange 45°
FLEL45-1212	12" Flange 45°



**FLANGE 90° - RAISED FACE**

Part Number	Size & Description
FLEL90-4040	4" Flange 90°
FLEL90-6060	6" Flange 90°
FLEL90-8080	8" Flange 90°
FLEL90-1010	10" Flange 90°
FLEL90-1212	12" Flange 90°

# Valves

## Lever Gate Valves



LEVER GATE VALVE		LEVER GATE VALVE HANDLE		REPLACEMENT GATES	
Part Number	Size	Part Number	Size	Part Number	Size
	in		in		in
LGV-200BR	2	LGV-200H	2	N/A	2
LGV-300BR	3	LGV-300H	3	N/A	3
LGV-400BR	4	LGV-400H	4	LGV-400P	4
LGV-600BR	6	LGV-600H	6	LGV-600P	6

## Stem Gate Valves



STEM GATE VALVE DOUBLE HEX		STEM GATE VALVE HANDLE		REPLACEMENT GATES		LINEAR AIR ACTUATORS	
Part Number	Size	Part Number	Size	Part Number	Size	Part Number	Size
	in		in		in		in
SGV-400BR	4	SGV-400H	4	SGV-400P	4	SGV-400A	4
SGV-600BR	6	SGV-600H	6	SGV-600P	6	SGV-600A	6
SGV-800BR	8	SGV-800H	8	N/A	8	N/A	8



STEM GATE VALVE SINGLE HEX		STEM GATE VALVE HANDLE		REPLACEMENT GATES SINGLE HEX		LINEAR AIR ACTUATORS	
Part Number	Size	Part Number	Size	Part Number	Size	Part Number	Size
	in		in		in		in
SGV-400-BR-1	4	SGV-400H	4	SGV-400P-1	4	SGV-400A	4
SGV-600-BR-1	6	SGV-600H	6	SGV-600P-1	6	SGV-600A	6
SGV-800-BR-1	8	SGV-800H	8	N/A	8	N/A	8

## Knife Gate Valves



TTMA KNIFE GATE VALVE		
Size	Description	Part Number
in		
4	TTMA x TTMA / ANSI X MP	TTKGV - 400
4	TTMA x M-NP7 / ANSI X MP	TNKGV-400
6	TTMA x TTMA / ANSI X MP	TTKGV - 600
6	TTMA x M-NP7 / ANSI X MP	TNKGV-600
8	TTMA x TTMA / ANSI X MP	TTKGV - 800
8	TTMA x M-NP7 / ANSI X MP	TNKGV-800



# Personal Protective Equipment



## Safety Clothing (Style #1600)

- Breathable microporous film bonded to spun bond polypropylene
- Fabric Weight: 55 GR/SM 1.5 OZ/SYD
- 28 GR/SM Polypropylene  
+ 27 GR/SM Breathable Polyethylene film
- .75 OZ/SYD Polypropylene  
+ .75 OZ/SYD Breathable Polyethylene film
- All coveralls are **white** with a zipper front closure
- Elastic wrist
- Elastic ankle
- Collar
- Commonly used in industrial and auto body paint applications

Size	SM	MD	LG	XL	2XL
Chest (cm/in)	56cm/22"	60cm/24"	64cm/25"	68cm/27"	71cm/28"
Body Length (cm/in)	84cm/33"	89cm/35"	94cm/37"	98cm/39"	103cm/41"
SKU	IW-1600-SM	IW-1600-MD	IW-1600-LG	IW-1600-XL	IW-1600-2X

Size	3XL	4XL	5XL	6XL	7XL
Chest (cm/in)	75cm/30"	84cm/33"	89cm/35"	94cm/37"	97cm/38"
Body Length (cm/in)	108cm/43"	111cm/44"	113cm/45"	116cm/46"	118cm/47"
SKU	IW-1600-3X	IW-1600-4X	IW-1600-5X	IW-1600-6X	IW-1600-7X



## Safety Clothing (Style #1601)

- Flame-Retardant
- Self-extinguishing
- **Blue** with a zipper front closure
- Breathable
- 100% SMS, polypropylene
- Elastic wrist
- Elastic ankle
- Collar
- Fabric has been tested under test method ASTM D6413
- Will self-extinguish when caught on fire
- Do not wear if arc flash or flash fire is present



Size	SM	MD	LG	XL	2XL	3XL	4XL	5XL
Chest (cm/in)	56cm/22"	60cm/24"	64cm/25"	68cm/27"	71cm/28"	75cm/30"	84cm/33"	89cm/35"
Body Length (cm/in)	84cm/33"	89cm/35"	94cm/37"	98cm/39"	103cm/41"	108cm/43"	111cm/44"	113cm/45"
SKU	IW-1601-SM	IW-1601-MD	IW-1601-LG	IW-1601-XL	IW-1601-2X	IW-1601-3X	IW-1601-4X	IW-1601-5X



# Personal Protective Equipment



## Rainwear (Style #9202-YFR)

- .35mm PVC/Polyester fabric
- Color: Yellow
- 32" long jacket
- Full cut to fit over work clothes, offers excellent resistant to abrasion
- 100% waterproof
- Reinforced stress points
- Non-conductive
- Adjustable wrist and leg openings
- Yellow jacket w/ detachable hood, pvc collar & no vents.
- Bib overall with no fly.



Size	SM	MD	LG	XL	2XL
Chest Width (cm / inch)	62.5/24.5	66 /26	68.5 / 27	72.5/28.5	76 /30
Jacket Length (cm / inch)	71/28	75/29.5	79/31	81/32	84/33
Bib Waist Width (cm / inch)	56/22	58.5/23	61/24	63.5/25	66/26
Inseam Length (cm / inch)	67/26.5	70/27.5	72.5/28.5	75/29.5	77.5/30.5
Outseam Length (cm / inch)	100/39.5	104/41	108/42.5	112/144	116/45.5
SKU	IW-9202-YFR-SM	IW-9202-YFR-MD	IW-9202-YFR-LG	IW-9202-YFR-XL	IW-9202-YFR-2X

Size	3XL	4XL	5XL	6XL	7XL
Chest Width (cm / inch)	80 /31.5	82.5/32.5	85/33.5	88/34.5	91/36
Jacket Length (cm / inch)	86.5/34	89/35	91.5/36	94/37	96.5/38
Bib Waist Width (cm / inch)	68.5/27	71/28	73.5/29	76.5/30	79/31
Inseam Length (cm / inch)	80/31.5	82.5/32.5	85/33.5	87.5/34.5	90/35.5
Outseam Length (cm / inch)	120/47	123/48.5	127/50	132/52	137/54
SKU	IW-9202-YFR-3X	IW-9202-YFR-4X	IW-9202-YFR-5X	IW-9202-YFR-6X	IW-9202-YFR-7X



## Chemfr™ (Style 205-420CV)

### Treated PVC Coverall with Hood - 0.42 mm



- Special PVC layered material provides protection against various liquid splashes and incidental contact
- Color: **green**
- High strength nylon for increased durability
- Seams are welded to enhance protection against chemical permeation
- Reinforced knees, elbows, and crotch provide added durability
- Oversized storm flap front for additional protection
- Treated to provide limited flammability and is self-extinguishing (ASTM D6413 test method)
- WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Size	SM	MD	LG	XL
SKU	PIP-205-420CV-S	PIP-205-420CV-M	PIP-205-420CV-L	PIP-205-420CV-XL

Size	2XL	3XL	4XL	5XL
SKU	PIP-205-420CV-2X	PIP-205-420CV-3X	PIP-205-420CV-4X	PIP-205-420CV-5X

# Personal Protective Equipment



## Base35FR™ (Style 4035FR)

### FR Treated Three-Piece Rainsuit - 0.35mm

- Made with 0.35mm thick treated PVC and polyester fabric
- Color: **yellow**
- Jacket has a five-snap front closure with storm flap to keep water out
- Two front pockets with flaps for storage
- Detachable drawstring hood for secure fit
- Overalls have adjustable suspenders and non-conductive/noncorrosive triangular D-ring buckles and studs for a perfect fit
- Single snap fly closure
- WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Size	MD	LG	XL	2XL	3XL
SKU	PIP-4035FR-M	PIP-4035FR-L	PIP-4035FR-X	PIP-4035FR-2X	PIP-4035FR-3X

Size	4X	5X	6X	7X	8X
SKU	PIP-4035FR-4X	PIP-4035FR-5X	PIP-4035FR-6X	PIP-4035FR-7X	PIP-4035FR-8X



## BOSS® (Style 4035)

### Three-Piece Rainsuit - 0.35mm

- Made with 0.35mm thick PVC and polyester fabric
- Detachable hood with drawstring
- Storm flap front with snap closure
- 2 flapped front pockets with snap closures to secure valuables
- Cape vented back
- Corduroy collar for comfort
- Adjustable suspenders for with triangular buckles for a perfect fit
- Front fly opening with snap
- Color **yellow**
- WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Size	SM	MD	LG	XL	2XL	3XL
SKU	PIP-4035-S	PIP-4035-M	PIP-4035-L	PIP-4035-X	PIP-4035-2X	PIP-4035-3X

Size	4XL	5XL	6XL	7XL	8XL
SKU	PIP-4035-4X	PIP-4035-5X	PIP-4035-6X	PIP-4035-7X	PIP-4035-8X





# Personal Protective Equipment



## Boots (Style #9258-B)

### Steel Toe

**Construction:** 100% waterproof, one-piece construction

**Material:** 100% PVC

**Color:** Black

**Standard:** Meets ASTM F2413; M I/75 C/75

**Height:** 16 in (40.6 cm)

**Sole:** Treaded

Size	SKU	Size	SKU	Size	SKU
4	IW-9258-B-4	8	IW-9258-B-8	12	IW-9258-B-12
5	IW-9258-B-5	9	IW-9258-B-9	13	IW-9258-B-13
6	IW-9258-B-6	10	IW-9258-B-10	14	IW-9258-B-14
7	IW-9258-B-7	11	IW-9258-B-11		

\* Packaging: 1 pair per box, 6 pairs per case



## Boots (Style #9280)

### Steel Toe Cap, Steel Midsole

**Construction:** 100% waterproof, one-piece construction

**Material:** 100% Rubber

**Color:** Black / Yellow

**Standard:** Meets ASTM F2413-11; M I/75 C/75, EH, PR

**Height:** 17 in high

**Sole:** Treaded

Size	SKU	Size	SKU	Size	SKU
6	IW-9280-6	10	IW-9280-10	14	IW-9280-14
7	IW-9280-7	11	IW-9280-11	15	IW-9280-15
8	IW-9280-8	12	IW-9280-12		
9	IW-9280-9	13	IW-9280-13		

\* Packaging: 1 pair per box, 6 pairs per case



## Boots Neomax (Style #9285)

### Steel Toe

**Construction:** 100% waterproof, seamless

**Material:** Neoprene

**Color:** Brown

**Standard:** Meets ASTM F2413-11; M I/75 and C/75

**Height:** 15 in. (38 cm.) high

**Sole:** Chevron

Size	SKU	Size	SKU	Size	SKU
4	IW-9285-4	8	IW-9285-8	12	IW-9285-12
5	IW-9285-5	9	IW-9285-9	13	IW-9285-13
6	IW-9285-6	10	IW-9285-10	14	IW-9285-14
7	IW-9285-7	11	IW-9285-11	15	IW-9285-15

\* Packaging: 1 pair per box, 6 pairs per case

# Personal Protective Equipment



## Evolution® Deluxe (Style 280-EV6161)

### Full Brim Hard Hat

**Color:** Blue, Gray, Green, Neon Orange, Neon Yellow, Red, White, Yellow, Black

**Shell:** HDPE, Non-Vented

**Brim Style:** Full, Extended Back, Standard Length

**Size Adjustment:** Wheel Ratchet

**Suspension:** 6 Point Polyester

**Sweatband:** Chamlon

**Certifications:** ANSI/ISEA Z89.1, TAA Compliant

**Electrical Class:** E

**ANSI Type:** I

<b>Size</b>	OS	OS	OS	OS
<b>Color</b>	Blue	Gray	Green	Neon Orange
<b>SKU</b>	PIP-280-EV6161-50	PIP-280-EV6161-40	PIP-280-EV6161-30	PIP-280-EV6161-OR

<b>Size</b>	OS	OS	OS	OS
<b>Color</b>	Neon Yellow	Red	White	Yellow
<b>SKU</b>	PIP-280-EV6161-LY	PIP-280-EV6161-60	PIP-280-EV6161-10	PIP-280-EV6161-20

\* Packaging: Bagged Each, 10/Case



## Bouton® Optical (Style 251-01-5211)

### Universal Fit PETG

**Material:** PETG (Polyethylene Terephthalate Glycol) Safety Visor - .040" Thickness

**Hole Pattern:** Universal, will fit most headgear and hard hat adapters

**Lens:** Clear

**Shape:** Flat

**Certifications:** ANSI Z87.1, TAA Compliant

**Electrical Class:** E

**ANSI Type:** I

SKU	Size
PIP-251-01-5211	OS

\* Packaging: Bulk, 100/Case, ships with masking to prevent scratching



## Bouton® Optical

### Aluminum Face Shields Bracket for Hard Hats

**Material:** Aluminum

**Certifications:** ANSI Z87.1, TAA Compliant

- Fits most cap style hats excluding JSP® 6100 series
- Aluminum composition is designed to withstand extreme hot and cold temperatures
- Visor mounting points are designed to fit most universal hole patterns
- Rubber sleeve on the tension spring is designed to prevent slippage and damage to the hard hat

STYLE	Size	SKU	Certifications
Full Brim	OS	PIP-251-01-5270	Meets ANSI Z87.1-2015 Requirements / TAA Compliant
Cap Style	OS	PIP-251-01-5271	Meets ANSI Z87.1-2015 Requirements

\* Packaging: Bulk, 60/Case



# Personal Protective Equipment



## MaxiFlex® Ultimate™ (Style 34-874)

### Seamless Knit Glove

- Color:** Gray
- Liner Material:** Nylon, Elastane
- Coating:** Black Nitrile, Palm & Fingers
- Grip:** MicroFoam
- Gauge:** 15
- Certifications:** 21 CFR, CFIA, Silicone Free
- Construction:** Coated Seamless Knit, Touchscreen Compatible
- Cuff:** Knit Wrist

- 100% Silicone free
- 360° Breathability - Patented micro-foam nitrile coating offers 360° breathability, making it the most breathable glove on the market today
- 25% Thinner - Than most foam nitrile gloves on the market while offering twice the mechanical performance

### Performance Data

ANSI Abrasion Level	3
ANSI Puncture Level (ASTM F1342)	--
ANSI Impact Level	--
EN 388	4131X
EN Abrasion Level	4
EN Cut Level	1
EN Tear Level	3
EN Puncture Level	1

Size	SKU
XXS	PIP-34-874-XXS
XS	PIP-34-874-XS
S	PIP-34-874-S
M	PIP-34-874-M
L	PIP-34-874-L
XL	PIP-34-874-XL
2XL	PIP-34-874-2X
3XL	PIP-34-874-3X

\* Packaging: Bulk, 12 Dozen/Case

# Personal Protective Equipment



## ProCoat® (Style 58-8030)

### PVC Dipped Glove

- Color:** Black
- Lining:** Interlock
- Length:** 12"
- Cuff:** Straight
- Grip:** Smooth
- Gauge:** 15
- Dip:** Single
- Construction:** Supported

### Performance Data

ANSI Cut Level (2016)	--
EN 374	--
EN 388	4121X
EN Abrasion Level	4
EN Cut Level	1
EN Tear Level	2
EN Puncture Level	1

SKU	SIZE
PIP-58-8030	MENS

\* Packaging: Bulk Pack, 10 Dozen/Case



# Personal Protective Equipment



## Zenon Z12™ (Style #250-01-0001 & #250-01-0090)

### Rimless Safety Glasses

- Frame Fit:** Universal
- Lens Coating:** Anti-Scratch
- Bridge:** Molded
- Temple:** Spatula
- Base Curve:** 9.5
- Certifications:** ANSI Z87.1, CSA Z94.3 Compliant

- Lightweight, rimless design provides all day user comfort
- Thin, flexible temples provide a secure fit without uncomfortable pressure points
- Molded nose bridge design to fit the vast majority of users
- WARNING: Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

SKU	FRAME COLOR	LENS	LENS COLOR	LENS COATING
PIP-250-01-0001	Black	Tinted	Gray	Anti-Scratch
PIP-250-01-0900	Clear	Clear	Clear	Anti-Scratch

\* Packaging: Bagged Each, 144 Pair/Case



## Zenon Z12™ Foam (Style #250-01-F020 & #250-01-F021)

### Rimless Safety Glasses with Foam Padding

- Frame Fit:** Universal
- Size:** One Size
- Lens Coating:** Anti-Scratch, Anti-Fog
- Frame Style:** Foam Lined
- Bridge:** Molded
- Temple:** Spatula
- Base Curve:** 9.5
- Certifications:** ANSI Z87.1, TAA Compliant

- Foam padding design forms a seal to keep out dust and airborne particles
- Lightweight, rimless design provides all day user comfort
- Thin, flexible temples provide a secure fit without uncomfortable pressure points
- Molded nose bridge design to fit the vast majority of users
- WARNING: Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

SKU	FRAME COLOR	LENS	LENS COLOR	LENS COATING
PIP-250-01-F020	Black	Clear	Clear	Anti-Scratch/Anti-Fog
PIP-250-01-F021	Black	Tinted	Gray	Anti-Scratch/Anti-Fog

\* Packaging: Bagged Each, 144 Pair/Case

# Personal Protective Equipment



## Fortis™ II (STYLE #251-80-0020)

### Indirect Vent Goggle

**Color:** Gray  
**Lens Color:** Clear  
**Frame Material:** Synthetic Rubber  
**Size:** One Size  
**Base Curve:** 5.25  
**Certifications:** ANSI Z87.1

- Offers indirect ventilation for liquid splash protection
- Wide facial flange for a secure seal
- Flexible, soft rubber/polyester body for optimal comfort and fit
- Fits comfortably over most prescription glasses
- Nose area split to fit the vast majority of users
- Wide adjustable (non-latex) headband strap
- Elastic Headband strap attaches to frame with a swivel clip to ensure a comfortable fit
- Comes individually boxed
- WARNING: Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

SKU	FRAME COLOR	LENS	LENS COLOR	LENS COATING
PIP-250-01-0020	Black	Clear	Clear	Anti-Scratch/Anti-Fog

\* Packaging: Bagged Each, 40 Pair/Case



## Mega Bullet™ (STYLE 267-HPF210C)

### Disposable Ear Plugs

**Ear Plug Material:** Polyurethane Foam  
**Shape:** Tapered  
**Cord Material:** PVC  
**Size:** One Size  
**Box Count:** 100  
**Certifications:** TAA Compliant

- Consistent cellular structure for optimal expansion recovery time for a custom, uniform fit
- Smooth closed cell outer layer that prevents debris build-up
- Soft and comfortable PowerSoft™ foam supports all day comfort
- Black PVC cord for convenience and to prevent loss of ear plugs
- NRR 32 protection
- NRR Rating (ANSI S3.19-1974)

SKU	COLOR	SIZE
PIP-267-HPF210C	Orange	One Size

\* Packaging: 10 Boxes/Case





Scan for current literature

## Forsaflex Product Literature



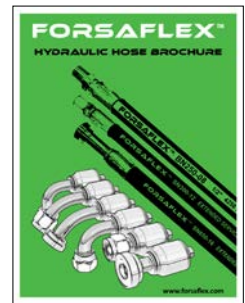
Hydraulic Hose & Fittings



Industrial Hose & Fittings



Quick Disconnects

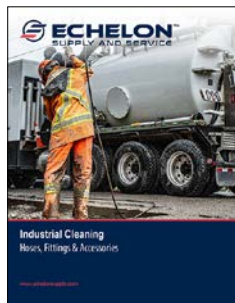


Hydraulic Hose Brochure

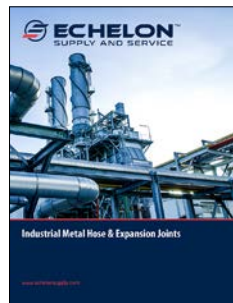
## Echelon Market Brochures



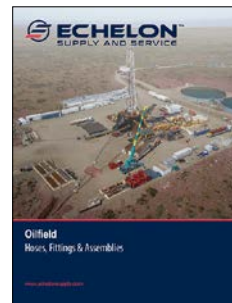
Eaglecrete  
Concrete Pump Parts



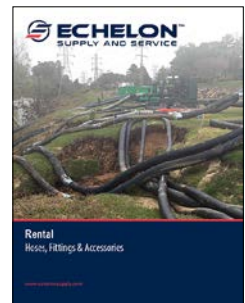
Industrial Cleaning  
Hoses, Fittings & Accessories



Industrial Metal Hose  
& Expansion Joints



Oilfield  
Hoses, Fittings & Assemblies



Rental  
Hoses, Fittings & Accessories





- **INDUSTRIAL**

- **COMMERCIAL**

- **HYDRAULIC**

- **MILITARY**

© 2023 Echelon Supply and Service, All Rights Reserved



**ECHELON**  
SUPPLY AND SERVICE

Echelon Supply and Service-USA  
[us.sales@echelonsupply.com](mailto:us.sales@echelonsupply.com)  
115 Metropolitan Park Drive  
Liverpool, NY 13088  
Tel: 315 451 2770

Echelon Supply and Service-Canada  
[ca.sales@echelonsupply.com](mailto:ca.sales@echelonsupply.com)  
1700 McEwen Dr.  
Whitby, ON L1N 0A2  
Tel: 905-686-4071