



**JGB**®  
enterprises inc.

# Eagle Brand Master Catalog

INDUSTRIAL & SPECIALTY HOSE PRODUCTS

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

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## Eagle Tank Truck® 150 PSI Hose

**Petro S&D**



- Designed for use in tank truck, bulk petroleum stations, and in plant oil service.

**Tube:** Oil resistant, black conductive Nitrile (NBR)  
**Reinforcement:** Synthetic textile and twin helix steel wire  
**Cover:** Black, abrasion, ozone, weather, heat, and oil resistant neoprene rubber  
**Temperature:** -40°F to 180°F  
**Branding:** EAGLE TANK TRUCK® SERVICE 150 PSI WP  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Bend Radius	Weight
	in	in	psi	in	lbs
009-0242-0125I	1-1/2	1.93	150	4	0.92
009-0322-0125I	2	2.48	150	7	1.10
009-0402-0150I	2-1/2	3.00	150	9	1.59
009-0482-0124I	3	3.50	150	9	1.86
009-0642-0150I	4	4.61	150	15	2.72
009-0962-0150I	6	6.69	150	26	5.21

\* Full Vacuum      \* 2", 2-1/2" meet SAE 100R4 specifications

## Eagle Oilflex 150 PSI Tank Truck Hose

**Petro S&D**



- Designed for suction and discharge applications in truck and tank car transfer of gasoline, oil, and other petroleum-based products with up to 50% aromatic content.

**Tube:** Black conductive, oil resistant Nitrile (NBR)  
**Reinforcement:** High tensile textile cord, double steel helix  
**Cover:** Red corrugated – abrasion, ozone and hydrocarbon resistant  
**Temperature:** -40°F to 180°F  
**Branding:** EAGLE OILFLEX 150 PSI WP  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Min Bend Radius	Weight
	in	in	psi	in	lbs/ft
009-0243-0150I	1-1/2	1.97	150	3	0.74
009-0323-0150I	2	2.52	150	3	1.06
009-0483-0150I	3	3.54	150	4	1.85
009-0643-0150I	4	4.65	150	6	2.60
009-0963-0150I	6	6.77	150	18	6.00
009-1283-0150I	8	8.86	150	25	9.00

\* Full Vacuum

## Eagle Tank Truck® 300 PSI Hose

### Petro S&D



- Designed for transport of mineral oil products and fuel mixtures with aromatic content up to 50%.

**Tube:** Oil resistant, black conductive Nitrile (NBR)  
**Reinforcement:** High tensile textile cord, steel helix, crossing antistatic wires  
**Cover:** Black corrugated - abrasion, ozone and hydrocarbon resistant neoprene  
**Temperature:** -40°F to 180°F  
**Branding:** EAGLE TANK TRUCK® SERVICE 300 PSI WP  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Min Bend Radius	Weight
	in	in	psi	in	lbs/ft
009-0322-0300I	2	2.59	300	6	1.55
009-0482-0300I	3	3.74	300	9	2.46
009-0642-0300I	4	4.92	300	13	4.25
009-0962-0300I	6	7.08	300	25	7.74
009-1282-0300I	8	9.40	300	35	13.80

\* Full Vacuum

## Eagle OILVAC® 150 PSI Hose

### Petro S&D



- Designed for handling crude oil, frack solutions, and slurries in oilfield vacuum tank service.
- Note: For applications up to 35% aromatics. Not for use with refined petroleum products.

**Tube:** Black Nitrile – PVC blend, limited oil resistance, for oil field use  
**Reinforcement:** High tensile textile cords; highly flexible steel helix wire  
**Cover:** Black SBR – abrasion, ozone, limited oil resistance  
**Temperature:** -22°F to 176°F  
**Branding:** EAGLE OILVAC® 150 PSI WP  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Min Bend Radius	Weight
	in	in	psi	in	lbs/ft
009-0322-0155I	2	2.48	150	3	0.93
009-0482-0155I	3	3.46	150	4	1.73
009-0642-0155I	4	4.53	150	6	2.40
009-0962-0155I	6	6.61	150	18	4.59
009-1282-0155I	8	8.78	150	25	6.60

\* Full Vacuum

## Eagle ARCTIC® Oilfield 150 PSI Hose

### Petro S&D

- Designed for suction and discharge applications in truck and tank car transfer of gasoline, oil, and other petroleum-based products with up to 50% aromatic content.
- For use where extreme flexibility is needed in low temperature.



**Tube:** Black conductive, oil resistant Nitrile (NBR)  
**Reinforcement:** High tensile textile cords and highly flexible steel helix  
**Cover:** Blue corrugated – abrasion, ozone and hydrocarbon resistant  
**Temperature:** -65°F to 180°F  
**Branding:** EAGLE ARCTIC® OILFIELD 150 PSI WP  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Min Bend Radius	Weight
	in	in	psi	in	lbs
009-0326-0150IA	2	2.51	150	2	1.10
009-0486-0150IA	3	3.62	150	3	2.67
009-0646-0150IA	4	4.64	150	4	2.84

\* Full Vacuum

## Eagle O.S.& D.® 250 PSI Hose

### Petro Dock Hose

- Designed for oil/water suction and delivery service.
- All Eagle OS&D Hose assemblies are hydrotested at 1.5 times working pressure.
- Tested following U.S.C.G. certification standards.
- Full Vacuum.



**Tube:** Oil and fuel resistant conductive nitrile (NBR), 50% Aromatics.  
**Reinforcement:** Multiple high tensile synthetic tire cords (polyester cords) with steel wire helix  
**Cover:** Oil, weather and ozone resistant, cloth impression, black synthetic rubber  
**Temperature:** -40°F to 194°F  
**Packaging:** Custom skids  
**Couplings:** Built-in pipe flanges fixed x floating (ANSI B16.5)  
**Lengths:** 10' and 20' standard length  
**Safety Factor:** 4:1  
**Branding:** EAGLE OIL SERVICE S&D® CARGO 250 MAX WP #Q## MEETS USCG 33CFR 154.500

Part #		ID	OD	WP	Bend Radius	Weight*	
10'	20'	in	in	psi	in	lbs	
						10'	20'
**	009-0483-0020	3	4-3/4	250	15		110
**	009-0643-0020	4	5-1/2	250	19	100	176
009-0963-0010	009-0963-0020	6	7-1/2	250	29	183	265
009-1283-0010	009-1283-0020	8	9-1/2	250	38	214	368
009-1603-0010	009-1603-0020	10	11-1/2	250	48	342	540
009-1923-0010	009-1923-0020	12	13-3/4	250	48	503	732
009-2242-0010	009-2240-0020	14	15-3/4	250	68	573	845
009-0256-0010	009-0256-0020	16	17-3/4	250	78	765	1130
009-2883-0010	009-2883-0020	18	20	250	106	946	1408

\* Assembled weight

\*\* Made to Order

## Eagle FRAC® 400 PSI Hose

### Petro Discharge

- Designed for fracking fluids, liquid mud, and crude oil delivery in oilfield and gas exploration.

**Tube:** Nitrile (NBR)  
**Reinforcement:** Multiple plies of high tensile cord  
**Cover:** Black "ARC" Abrasion Resistant Cover – High performance  
**Temperature:** -25°F to +180°F  
**Branding:** EAGLE FRAC OILFIELD FRACTURING HOSE



Part #	ID	OD	WP	Weight
	in	in	psi	lbs
009-0642-04001	4	4.72	400	2.93

## Eagle Flight® 300 PSI Hose

### Aircraft Refueling Hose

- Designed for aircraft ground fueling.

**Tube:** Black NBR  
**Reinforcement:** High tensile textile braids  
**Cover:** Black conductive CR - abrasion, ozone and hydrocarbon resistant  
**Temperature:** -22°F to 150°F  
**Branding:** Eagle Flight® Aircraft Fueling Hose EI 1529/2014 Type C, Grade 2, NFP A407, BSEM ISO 1825/2013, 2068 KPA (300 PSI) MAX WP (DATE CODE)



ID	OD	WP	Burst	Bend Radius	Weight
in	in	psi	psi	in	lbs/ft
3/4	1.26	300	1200	4.9	0.45
1	1.46	300	1200	5.91	0.52
1-1/4	1.73	300	1200	7.48	0.62
1-1/2	2.01	300	1200	8.86	0.8
2	2.6	300	1200	10.83	1.22
2-1/2	3.11	300	1200	11.81	1.4
3	3.58	300	1200	11.81	1.69
4	4.57	300	1200	17.72	2.48

\* All hoses meet API/EI 1529/2014, 7th edition, Grade 2, type C.

## Eagle Gravity Fuel Drop Hose

### Petro Transfer

- Designed to deliver gasoline, diesel fuel, kerosene, and fuels with aromatic content to 40%.

**Tube:** NBR/PVC tube, smooth bore with embedded Safety Ohm ground wire in the hose wall  
**Reinforcement:** Rigid clockwise PVC helix, one braid of high tensile polyester yarn reinforcement  
**Temperature:** -10°F to 140°F  
**Lengths:** 100 ft lengths



Part #	ID	OD	Reinf Spirals	Max WP @68°F	Vacuum @68°F	Weight	Min Bend Radius
	in	in		psi	in/Hg	lbs	in
009-0324-0120I	2	2.68	1	70	29.9	1.13	5
009-0484-0120I	3	3.68	1	65	29.9	1.37	6
009-0644-0121I	4	4.80	1	65	29.9	2.16	8

## Eagle Gravity Fuel Drop (Bio-fuel) Hose

### Petro Transfer

- Designed for tank truck gravity drop fuel transfer.

**Tube:** Polyurethane (TPU) tube  
**Reinforcement:** Polyester fabric reinforcement, rigid PVC helix, and embedded grounding wire  
**Temperature:** -40°F to 140°F



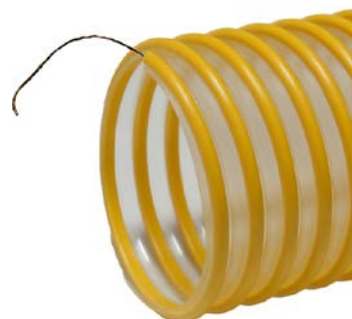
Part #	ID	OD	Bend Radius	WP	Standard Length	Weight
	in	in	in	psi	ft	lbs/ft
009-0325-0065I	2	2.46	4	65	100	0.63
009-0485-0065I	3	3.78	6	65	100	1.20
009-0645-0065I	4	4.83	8	65	100	1.71

## Eagle PU Vapor Recovery Hose

### Tank Truck Vapor Recovery

- Designed for anti-static tank truck vapor recovery.

**Application:** Anti-static tank truck vapor recovery hose  
**Tube:** Polyurethane (TPU) tube  
**Reinforcement:** Rigid PVC helix and embedded grounding wire  
**Temperature:** -40°F to 140°F



Part #	ID	OD	Min. Bend Radius	WP	Standard Length	Weight
	in	in	in	psi	ft	lbs/ft
009-0320-0001I	2	2.46	3.0	17	100	0.51
009-0480-0001I	3	3.51	3.5	11	100	0.78
009-0640-0001I	4	4.56	4.5	9	100	1.10
009-0960-0001I	6	6.52	6	4	100	1.24



## Eagle Hot Tar & Asphalt Hose

### Asphalt/tar Suction & Delivery Hose



- Specially designed hose for conveying hot tar and asphalt.

**Tube:** Special synthetic high oil, abrasion, and heat resistant elastomer compound, black, smooth  
**Reinforcement:** High tensile textile cord, steel wire helix  
**Cover:** NBR, black, anti-static, smooth with cloth impression, high oil, heat, abrasion, weather, and ozone resistant  
**Temperature:** -22° to 356°F


Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
014-0480-7290I	3	3.78	150	600	11.11	2.9

## Eagleflo Hardwall Gasoline / Curb Pump Hose

### Petro Transfer



- Dispensing of all types of commercial gasolines, or other petroleum based products, from service station pumps.
- A heavy duty hardwall hose which does not collapse in reel use or behind the nozzle in heavy duty service.

**Tube:** Type C (Nitrile) - Black - (RMA (Class A) High oil resistance)  
**Reinforcement:** Braided, high tensile steel wire  
**Cover:** Type J (CPE) - Black  
**Temperature:** -40°F to 120°F (-40°C to +49°C) continuous service  
**Lengths:** Up to 500 feet (Custom lengths made to order)  
**Branding:**  EAGLEFLO HARDWALL GASOLINE HOSE  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Min Bend Radius	Weight
	in	in	psi	in	lbs
050-0102-0150	5/8	1.00	150	6.0	.37
050-0122-0150	3/4	1.13	150	6.0	.42
050-0162-0150	1	1.38	150	8.0	.57

## Eagle Air® EPDM Air & Water - 300 PSI Hose

### Multi-Purpose

- Designed for a wide range of industrial, construction, and agricultural applications.

<b>Tube:</b>	EPDM, black, antistatic, smooth
<b>Reinforcement:</b>	2 textile spiral (4 spiral in 1-1/2")
<b>Cover:</b>	EPDM, red, resistant to heat, sunlight, ozone, and weather
<b>Temperature:</b>	-40°F / +212°F
<b>Branding:</b>	#" Eagle Air® EPDM 300 PSI WP
<b>Packaging:</b>	Reel-Core Plastic Reels
<b>Lengths:</b>	Mix: 90% of the reels in 1 piece; max 10% in up to 3 pieces; increments of 50 ft.
<b>Safety Factor:</b>	4:1



Part #	ID	OD	Max WP	Reinforcements	Min. Bend Radius	Length	Weight
	in	in	psi		in.	ft.	lbs/ft
001-0041-0300I	1/4	0.5	300	2	1.5	500	0.13
001-0051-0300I	5/16	0.6	300	2	1.9	500	0.18
001-0061-0300I	3/8	0.7	300	2	2.25	500	0.23
001-0081-0300I	1/2	0.8	300	2	3	500	0.32
001-0101-0300I	5/8	0.9	300	2	3.75	500	0.39
001-0121-0300I	3/4	1.1	300	2	4.5	500	0.5
001-0161-0300I	1	1.4	300	2	6	450	0.73
001-0201-0300I	1-1/4	1.7	300	2	7.5	400	1.04
001-0241-0300I	1-1/2	2.0	300	4	9	300	1.23

**NOTE:**

If in any doubt regarding use, please contact JGB.  
The temperature of the medium must be lower than its boiling point.

## Eagle Air® NBR Multi-Purpose - 300 PSI Hose

### Multi-Purpose / Multi-Oil / Non-Conductive

- Designed for various applications for which oil-resistance is mandatory.
- Also suitable for industrial air and water services, compressor lines, and many other applications.

**Tube:** NBR, black, ARPM class A, non-conductive, smooth

**Reinforcement:** 2 textile spiral (4 spiral in 1-1/2")

**Cover:** NVC, red, ARPM class A, resistant to abrasion, ozone and weather, smooth

**Branding:** #/#" Eagle Air® NBR Multi-Oil 300 PSI WP

**Temperature:** -40°F / +212°F

**Packaging:** Reel-Core Plastic Reels

**Lengths:** Mix: 90% of the reels in 1 piece; max 10% in up to 3 pieces; increments of 50 ft.

**Safety Factor:** 4:1



Part #	ID	OD	Max WP	Reinforcements	Min. Bend Radius	Length	Weight
	in	in	psi		in.	ft.	lbs/ft
002-0041-0300I	1/4	0.5	300	2	1.5	500	0.13
002-0061-0300I	3/8	0.7	300	2	2.25	500	0.23
002-0081-0300I	1/2	0.8	300	2	3	500	0.32
002-0101-0300I	5/8	0.9	300	2	3.75	500	0.39
002-0121-0300I	3/4	1.1	300	2	4.5	500	0.5
002-0161-0300I	1	1.4	300	2	6	450	0.73
002-0201-0300I	1-1/4	1.7	300	2	7.5	400	1.04
002-0241-0300I	1-1/2	2.0	300	4	9	300	1.23
002-0241-0300I-100	1-1/2	2.0	300	4	9	100	1.23

## Eagle Air® Wire Reinforced 600 PSI Hose

### Air

- Designed as heavy duty air hose for use in mines, construction, and industrial applications where maximum service is required.

**Tube:** Blend of synthetic elastomer compound, black, smooth, suitable for water and air, resistant to oil mist

**Reinforcement:** Steel wire reinforcement

**Cover:** Synthetic elastomer compound, yellow, smooth with cloth impression, weather, ozone, and abrasion resistant

**Temperature:** -22°F to 200°F

**Branding:** EAGLE AIR® 600 PSI MAX WP

**Lengths:** 100 ft.



### Features

- High safety against bursting, robust, long lasting

Part #	ID	OD	Plies	WP	Burst Pressure	Bend Radius	Weight
	in	in		psi	psi	in	lbs/ft
003-0243-0600I	1-1/2						
003-0323-0600I	2	2.60	2	600	2400	8	1.69
003-0483-0600I	3	3.70	2	600	2400	15	3.02
003-0640-0500I	4	4.80	2	600	2400	20	4.54
003-0963-0600I	6	7.12	2	600	2400	37	8.03

## Eagle Air® Textile 300 PSI Hose

### Air

- Robust air hose for heavy duty applications in heavy industry, construction, and mining.

**Tube:** Blend of synthetic elastomer compound, black, smooth, suitable for water and air, resistant to oil mist

**Reinforcement:** High tensile textile cord

**Cover:** Synthetic elastomer compound, yellow, smooth with cloth impression, weather, ozone, and abrasion resistant

**Temperature:** -22°F to 185°F

**Branding:** EAGLE AIR® 300 PSI MAX WP

**Lengths:** 100 ft.



### Features

- Robust, long lasting

Part #	ID	OD	Max WP	Burst Pressure	Weight
	in	in	psi	psi	lbs/ft
001-0243-0300I	1-1/2	2.04	300	900	1.01
001-0323-0300I	2	2.56	300	900	1.42
001-0403-0300I	2-1/2	3.23	300	900	1.94
001-0483-0300I	3	3.62	300	900	2.35
001-0640-0300I	4	4.88	300	900	3.56

## Eagle Air® Jackhammer 300 PSI Hose

### Air

- Designed for connection to pneumatic tools.
- Eagle Air® comes in red or yellow
- Pre-assembled in 3/4" x 50" size
- Coupled with universal couplings

**Tube:** SBR + NR

**Reinforcement:** Spiral Polyester Yarn

**Cover:** EPDM

**Temperature:** -22°F to 176°F

**Branding:** 3/4" Eagle Air® JH 300PSI MAX WP #Q##

**Packaging:** 50 ft. length each with PVC film

**Couplings:** Universal fitting at both ends

**Color:** Red, Yellow

**Oil Resistance:** Limited



Part #	Color	ID	OD	WP	Burst Pressure	Standard Length	Reinforcement Spiral
		in	mm	psi	psi	ft	
001-0121-0050I	Red	3/4	29.5	300	900	50	2
001-0123-0050I	Yellow	3/4	29.5	300	900	50	2

## Eagle Shop Air 300 PSI Hose

### Air

- Air compressor hose

**Tube:** SBR + NR  
**Reinforcement:** 2 Spiral Polyester Yarn  
**Cover:** EPDM  
**Temperature:** -22°F to 176°F  
**Branding:** 3/8" EAGLE AIR® 300 PSI MAX WP #Q##  
**Packaging:** 50 ft. length each with shrink film  
**Couplings:** 1/4 NPT x 18 fitting at both ends  
**Color:** Red  
**Oil Resistance:** Limited



Part #	ID	OD	WP	Burst Pressure	Standard Length
	in	mm	psi	psi	ft
001-0061-0050I	3/8	16.5	300	900	50

## Eagle Shop Air 300 PSI Hose

### Air

- Air compressor hose

**Tube:** Black PVC  
**Reinforcement:** 2 Spiral Polyester Yarns  
**Cover:** PVC "Eagle Hybrid"  
**Temperature:** -13°F to 140°F  
**Branding:** 3/8" EAGLE AIR HYBRID 300PSI MAX WP #Q##  
**Packaging:** 50 ft. length each with shrink film  
**Couplings:** 1/4 NPT x 18 fitting at both ends  
**Color:** Blue  
**Oil Resistance:** Limited  
**Unit Weight:** 7.3 Lbs. (20% lighter than the traditional rubber shop air)



Part #	ID	OD	WP	Burst Pressure	Standard Length
	in	mm	psi	psi	ft
001-0066-0050HI	3/8	9.5	300	900	50

## J-FLEX® 1 1SN/SAE 100R1AT Hose

### Hydraulic

- Designed for low-medium pressure hydraulic systems in industry and agriculture.

**Tube:** Synthetic rubber, resistant against hydraulic fluids  
**Reinforcement:** One braid of high tensile steel wire  
**Cover:** Abrasion and ozone resistant synthetic rubber. Note: various covers are available.  
**Temperature:** -40°F to 212°F (max 248°F intermittent)  
**Branding:** J-FLEX® 1 SAE 100RAT / 1SN EN 853 1525 PSI



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
171-1003-3625IM*	3/16	0.45	3625	15950	3.54	0.120
171-1004-3265I	1/4	0.52	3265	13060	3.93	0.130
171-1006-2610IM*	3/8	0.67	2610	10440	5.11	0.190
171-1008-2320I	1/2	0.8	2320	9280	7.08	0.240
171-1012-1525I	3/4	1.08	1525	6100	9.44	0.380
171-1016-1275I	1	1.39	1275	5100	11.81	0.560

\* Includes MSHA cover

## J-FLEX® 2M 2SN/SAE 100R2AT Hose

### Hydraulic

- Designed for medium-high pressure hydraulic systems in industry and agriculture.

**Tube:** Synthetic rubber, resistant against hydraulic fluids  
**Reinforcement:** Two braids of high tensile steel wire  
**MSHA Approved Cover:** Abrasion and ozone resistant synthetic rubber. Note: various covers available. Blue cover is available.  
**Temperature:** -40°F to 212°F (max 248°F intermittent)  
**Branding:** J-FLEX® 2M SAE 100RAT / 2SN EN 853 2395 PSI



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
172-1004-5800IM	1/4	0.57	5800	23200	3.93	0.210
172-1006-4800IM	3/8	0.72	4800	19200	5.11	0.300
172-1008-4000IM	1/2	0.84	4000	16000	7.08	0.360
*172-1008-5000IM <sup>1</sup>	1/2	0.87	5000	20000	6.0	0.36
172-1010-3625IM	5/8	0.97	3625	15000	7.87	0.440
172-1012-3120IM	3/4	1.13	3120	12480	9.44	0.560
172-1016-2400IM	1	1.46	2400	9600	11.81	0.830
172-1020-1815IM	1-1/4	1.86	1815	7260	16.53	1.19
172-1024-1305IM	1-1/2	2.11	1305	5220	19.68	1.46
172-1032-1160IM	2	2.63	1160	4640	24.80	1.88

**1 J-FLEX® 2SN5K EXCEEDS SAE 100R2AT / 2SN EN 853**

\* Double wire braid

## J-FLEX® 17 SAE 100R17 Hose

### Hydraulic

- Designed for medium pressure hydraulic systems in industry and agriculture.

<b>Tube:</b>	Synthetic rubber, resistant against hydraulic fluids
<b>Reinforcement:</b>	One braid DN 06 – DN 12 and two braids DN 16 – DN 25 of high tensile steel wire
<b>Cover:</b>	Abrasion and ozone resistant synthetic rubber. Note: various covers available.
<b>Temperature:</b>	-40°F to 212°F (max 248°F intermittent)
<b>Branding:</b>	J-FLEX® 17 SAE 100R17



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
171-1004-3000I	1/4	0.49	3000	12000	2.0	0.110
171-1006-3000I	3/8	0.63	3000	12000	2.5	0.180
171-1008-3000I	1/2	0.77	3000	12000	3.5	0.260
172-1012-3000I	3/4	1.08	3000	12000	4.7	0.510
172-1016-3000I	1	1.43	3000	12000	5.9	0.850

## J-FLEX® 16 SAE 100R16 Hose

### Hydraulic

- Designed for medium-high pressure hydraulic systems using hydraulic oils, minerals, and vegetable lubricants.

<b>Tube:</b>	Synthetic rubber, resistant against hydraulic fluids
<b>Reinforcement:</b>	Two braids of high tensile steel wire
<b>Cover:</b>	Abrasion resistant synthetic rubber
<b>Temperature:</b>	-40°F to 212°F (max 248°F intermittent)
<b>Branding:</b>	J-FLEX® 16 SAE 100R16



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
172-5004-5000I	1/4	0.57	5800	23200	1.97	0.17
172-5006-4000I	3/8	0.74	4780	19120	2.56	0.27
172-5008-3500I	1/2	0.86	3980	15920	3.54	0.34
172-5012-2250I	3/4	1.14	3110	12440	4.72	0.50
172-5016-2000I	1	1.44	2390	9560	5.90	0.74

## J-FLEX® 12M SAE 100R12 Hose

### Hydraulic

- Designed for hydraulic systems with high peak pressures and arduous operating conditions.

<b>Tube:</b>	Mineral, vegetable, and glycol based hydraulic oil resistant special synthetic rubber
<b>Reinforcement:</b>	4 high tensile steel spiral
<b>MSHA Approved Cover:</b>	Hydraulic oil, abrasion, and weather resistant special synthetic rubber
<b>Temperature:</b>	-40°F to 248°F (257°F intermittent)
<b>Branding:</b>	J-FLEX® 12M SAE 100R12



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
182-7006-4000IM	3/8	0.80	4000	16000	3.94	0.440
182-7008-4000IM	1/2	0.93	4000	16000	4.92	0.560
182-7012-4000IM	3/4	1.20	4000	16000	5.90	0.840
182-7016-4000IM	1	1.50	4000	16000	8.86	1.250
182-7020-3000IM	1-1/4	1.83	3000	12000	9.84	1.71
182-7024-2500IM	1-1/2	2.09	2500	10000	19.69	2.12
182-7032-2500IM	2	2.62	2500	10000	25.59	2.66

## J-FLEX® 13M SAE 100R13 Hose

### High Peak Pressure Hydraulic

- Designed for hydraulic systems with high peak pressures and arduous operating conditions (pulsing, flexing).

<b>Tube:</b>	Nitrile; Mineral, vegetable, <b>BIO OIL</b> , and glycol based hydraulic oil resistant
<b>Reinforcement:</b>	4 or 6 high tensile steel spiral
<b>MSHA Fire Resistant Cover:</b>	Abrasion, ozone, & hydrocarbon resistant special synthetic rubber
<b>Temperature:</b>	-40° F to 250° F



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
182-9012-5000IM	3/4	1.22	5500	22000	5.9	0.83
182-9016-5000IM	1	1.51	5500	22000	7.1	1.13
182-9024-5000IM	1-1/2	2.22	5000	20000	19.7	3.00
182-9032-5000IM	2	2.76	5000	20000	21.7	4.20

\* For 1-1/4" refer to 15M SAE 100R15 182-5020-6000IM



# J-FLEX® 15M SAE 100R15 Hose

## High Peak Pressure Hydraulic

- Designed for hydraulic systems with high peak pressures and arduous operating conditions (pulsing, flexing).

**Tube:** Nitrile; Mineral, vegetable, **BIO OIL**, and glycol based hydraulic oil resistant

**Reinforcement:** 4 or 6 high tensile steel spiral

**MSHA Fire Resistant Cover:** Abrasion, ozone, & hydrocarbon resistant special synthetic rubber

**Temperature:** -40°F to 250°F



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
182-9012-5000IM	3/4	1.22	5500	22000	5.9	0.83
182-9016-5000IM	1	1.51	5500	22000	7.1	1.13
182-9024-5000IM	1-1/2	2.22	5000	20000	19.7	3.00
182-9032-5000IM	2	2.76	5000	20000	21.7	4.20

# J-FLEX® 4SH XFLEX Hydraulic Hose

## Hydraulic

- Designed specially for use in hydraulic systems with high peak pressures and arduous operating conditions needing extremely high flexibility. Due to its extreme flexibility, XFlex is perfect for use in extraordinarily tight positions.

**Tube:** Oil resistant synthetic rubber

**Reinforcement:** 4 high tensile steel spirals

**Cover:** Black MSHA, made of synthetic rubber, resistant to oil and weather conditions

**Temperature:** -40°F to 248°F (257°F intermittent)

**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure

**Branding:** J-FLEX® DIN EN 856 4SH XFlex 6150 PSI/424 BAR MAX WP MSHA



Part #	ID	OD	Bend Radius	WP	Burst Pressure	Weight
	in	in	in	psi	psi	lbs/ft
182-4020-5100IM	1-1/4	1.78	14.0	5,075	20,300	1.68
182-4024-4200IM	1-1/2	2.08	20.0	4,205	16,820	2.08
182-4032-3625IM	2	2.66	25.0	3,625	14,790	2.92

## J-FLEX® HOT OIL 2SC Hose

### Hydraulic



- Designed for use as a high temperature oil hose.

<b>Tube:</b>	Black, oil resistant synthetic rubber
<b>Reinforcement:</b>	Two high tensile steel braids
<b>Cover:</b>	Black MSHA - abrasion, oil, and weather resistant synthetic rubber. (Blue MSHA cover available on request.)
<b>Temperature:</b>	-40°F to 275°F (+300°F intermittent)
<b>Branding:</b>	1-1/2" -24 J-FLEX® HOT OIL 2350 PSI WP
<b>Couplings:</b>	Contact JGB for proper fitting recommendation and coupling procedure.

Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
172-1024-2350IM	1.5	1.96	2350	7200	16.9	1.6

## J-FLEX® 10K Jack Hose

### Hydraulic

- Designed for hydraulic jack applications.

<b>Tube:</b>	Oil resistant synthetic rubber
<b>Reinforcement:</b>	Two braids of high tensile steel wire.
<b>Cover:</b>	MSHA, abrasion and weather resistant synthetic rubber
<b>Temperature:</b>	-40°F to 212°F depending on the medium
<b>Branding:</b>	J-FLEX® 10K JACK HOSE 10,000PSI WP / 20,000PSI BP MSHA
<b>Couplings:</b>	Contact JGB for proper fitting recommendation and coupling procedure.



Part #	ID	OD	Max WP	Bend Radius	Test Pressure	Burst Pressure	Weight
	in	in	psi	in	psi	psi	lbs/ft
172-8004-1000I	1/4	0.59	10,000	4	12,000	20,000	0.20
172-8006-1000I	3/8	0.75	10,000	5	12,000	20,000	0.34

## J-FLEX® 7 SAE 100R7 Hose

### Hydraulic

- Designed for medium pressure hydraulic use.

<b>Tube:</b>	Thermoplastic polyester
<b>Reinforcement:</b>	Polyester fiber
<b>Cover:</b>	Anti-abrasion polyurethane stabilized to UV rays and resistant to micro-organisms
<b>Temperature:</b>	Utilization -40°F / 212°F / Max Working of air, water, and fluids containing water 158°F
<b>Branding:</b>	J-FLEX® 7 SAE 100R7 2750 PSI
<b>Vacuum Rating:</b>	-13.5 psi; 27.5 inch Hg These hoses meet or exceed standards SAE J517 sec. SAE 100R7 - EN 855 - ISO 3949



Part #	ID	OD	WP	Burst	Bend Radius
	in	in	psi	psi	in
177-5004-2750I	1/4	0.46	2750	11000	1.38
177-5006-2250I	3/8	0.63	2250	9000	2.17
177-5008-2025I*	1/2	0.80	2025	8100	2.95

\* Stock Option

## J-FLEX® 4 SAE 100R4 Hose

### Hydraulic

- Designed for use in hydraulic systems to return the oil to tank for reuse.
- Resistant to aromatic content < 40%

<b>Tube:</b>	Blend of synthetic elastomers for ozone, oil and abrasion resistant, black, smooth
<b>Reinforcement:</b>	High tensile textile cord, steel wire helix embedded
<b>Cover:</b>	Blend of synthetic elastomer compound, black, anti-static, smooth with cloth impression, high oil, heat, abrasion, weather, and ozone resistant
<b>Temperature:</b>	-40°F to 212°F
<b>Branding:</b>	J-FLEX® 4 SAE 100R4
<b>Standard Notice:</b>	SAE 100R4



Part #	ID	OD	WP	Burst	Bend Radius	Weight
	in	in	psi	psi	in	lbs/ft
174-4012-0300	3/4	1.26	300	1200	2.99	0.47
174-4016-0250	1	1.49	250	1000	3.94	0.60
174-4020-0200	1-1/4	1.77	200	800	5.04	0.97
174-4024-0150	1-1/2	2.05	150	600	5.98	1.14

## Eaglechem® UHMW Chemical 240 PSI Hose

### Chemical S&D

- Designed for almost every common industrial chemical used in chemical transfer applications today.
- Non-staining UHMW tube
- Not for steam service
- Can be open end steam cleaned



- Tube:** Ultra-High Molecular Weight polyethylene (UHMW-PE), clear, smooth, food quality, resistant to a wide range of chemicals
- Reinforcement:** High tensile textile cord, dual galvanized steel helix
- Cover:** EPDM - Green, smooth with cloth impression, resistant to weather, ozone and abrasion (Available in red, blue, yellow, black and grey; white and orange - with 400 ft. order)
- Temperature:** -40°F to 212°F (250°F Intermittent)
- Branding:** EAGLECHEM® UHMWPE CHEMICAL TRANSFER 240 PSI MAX WP
- Lengths:** 100 ft.

Part #	ID	OD	WP	Vacuum	MBR	Weight
	in	in	psi	HG	in	lbs/ft
006-0129-0240I	3/4	1.19	240	29	3.5	0.58
006-0166-0240I	1	1.47	240	29	4	0.63
006-0246-0240I	1-1/2	2.08	240	29	4	1.06
006-0326-0240I	2	2.58	240	29	6	1.33
006-0406-0240I	2-1/2	3.03	240	29	10	1.78
006-0480-0240I	3	3.61	240	29	16	2.12
006-0646-0240I	4	4.61	240	29	24	2.83
006-0960-0240I	6	6.89	240	26	36	6.89



## THUNDERBLAST® Sandblast Hose

### Abrasives

- Designed for use in all abrasive blast applications, suitable for all commonly used blasting media.



- Tube:** Black Static Conductive Natural Rubber  
**4ply:** ½" - ¾" ID have ¼" tube thickness, 1" - 2" ID have ⅝" tube thickness  
**2ply:** All sizes, ¼" tube thickness
- Reinforcement:** High Tensile Textile Plies
- Cover:** Black Abrasion Resistant SBR
- Temperature:** -40°F to 185°F (-40°C to 85°C)
- Branding:** THUNDERBLAST® 4 PLY 175 PSI WP
- Lengths:** 50' & 100' Standard (Call JGB for availability of 200 ft. bulk lengths)
- Standards:**
- EN ISO 3861
  - Abrasion loss Value According to DIN 53516 ≤ 50 mm³

### Features:

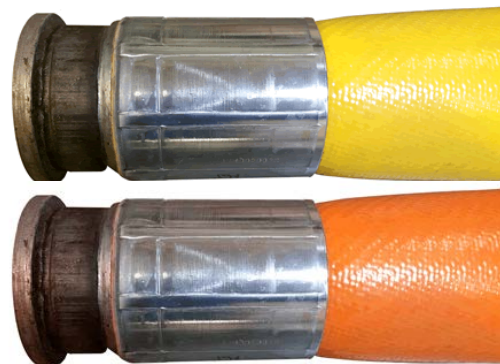
- With black high abrasion, static conductive natural rubber tube
- Black abrasion resistant cover with green layline
- 1-1/2" & 2" rated to 150 PSI

Part #	ID	OD	Plies	WP	Weight
	in	in		psi	lbs/ft
011-2082-0150 - 011-4082-0150	1/2	1-1/16 - 1-3/16	2/4	175	.36 - .38
011-2120-0150 - 011-2122-0150	3/4	1-5/16 - 1-1/2	2/4	175	.48 - .69
011-2162-0151 - 011-4162-0150	1	1-1/2 - 1-7/8	2/4	175	.78 - 1.03
011-2202-0175 - 011-4202-0150	1-1/4	1-7/8 - 2-5/32	2/4	175	.83 - 1.23
011-4242-0150	1-1/2	2-3/8	4	150	1.33
011-0322-0150I	2	2-7/8	4	150	1.66

## Eagle Flexcrete® Mortar TPU Hose

### Concrete Boom Hose

- Designed as a lay-flat boom tip hose ideal for ICF forms, columns, and tall walls where space is at a minimum.



- Tube:** Extruded thermoplastic polyether based polyurethane (TPU)
- Reinforcement:** Circular woven Aramid Fiber, "extra-strong yarn"
- Cover:** Extruded TPU Yellow or Orange cover
- Branding:** EAGLE FLEXCRETE® MORTAR TPU 1250 PSI WP
- Standard Coupling:** 1-Piece High Pressure Rapid Crimp, Heavy Duty

- Features:**
- Meets/Exceeds ASME Requirements
  - 1/3 the weight
  - Operator Friendly
  - More consistent flow at lower placement rates
  - Ease of pour in tight areas
  - Bright color for visibility and safety
  - Superior resistance to weather and aging
  - Cleans up easily

Part #		ID	Wall	WP	Burst	Tensile Strength		Weight
Yellow	Orange	in	in	psi	psi	x1000 lbs	tons	lbs/ft
008-0643-1250I	008-0644-1250I	4	0.17	1250	2500	172	80	1.34
008-0803-1250I	*	5	0.17	1250	2500	179	81.5	1.48

\* Call for availability

# MATERIAL HANDLING HOSE

## Eaglecrete® 1233 Hose

Plaster, Grout & Shotcrete



- Designed as a 1233 psi cement & concrete material handling hose

**Tube:** Black Conductive Natural Rubber Abrasion loss Value: According to DIN 53516 ≤ 60 mm<sup>3</sup>  
**Cover:** NR/SBR Blend  
**Reinforcement:** Spiral Textile  
**Couplings:** Heavy Duty, Vic, NPT and Metric Mtl Hardness: Rockwell C Scale 60 +/- 2  
**Temperature:** -40°F to 180°F  
**Branding:** EAGLECRETE® 1233 PSI WP

Part #	ID	OD	Plies	WP	Burst	Weight
	in	in		psi	psi	lbs/ft
060-0202-0800I	1 ¼	1.93	-	800	-	0.85
060-0242-1000	1 ½	2.20	4	1233	2465	1.07
060-0322-0800	2	2.76	4	1233	2465	1.43
060-0402-1000	2 ½	3.31	4	1233	2465	1.96
060-0482-1000	3	4.01	6	1233	2465	2.72
060-0562-1000	3 ½	4.64	6	1233	2465	3.51
060-0642-1000	4	5.12	6	1233	2465	3.96
060-0802-1000	5	6.10	6	1233	2465	4.90

## Eaglecrete® 1300 Hose

Cement



- Designed as a 1300 psi cement & concrete material handling hose

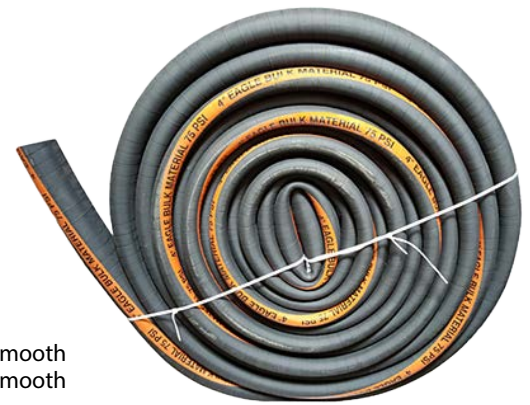
**Tube:** Black Conductive Natural Rubber Abrasion loss Value: According to DIN 53516 ≤ 60 mm<sup>3</sup>  
**Cover:** NR/SBR Blend  
**Reinforcement:** Spiral Wire  
**Couplings:** Heavy Duty, Vic, NPT and Metric Mtl Hardness: Rockwell C Scale 60 +/- 2  
**Temperature:** -40°F to 180°F  
**Branding:** EAGLECRETE® 1300 PSI WP

Part #	ID	OD	Plies	WP	Burst	Weight
	in	in		psi	psi	lbs/ft
060-0322-1300	2	2.76	2	1300	2900	2.04
060-0402-1300	2 ½	3.46	4	1300	2600	3.01
060-0482-1300	3	4.02	4	1300	2600	3.67
060-4692-1300	4	5.12	4	1300	2600	5.69
060-4802-1300	5	6.10	4	1300	2600	6.47

# Eagle Bulk® Material Hose

## Bulk Transfer

- Designed for pneumatic transport of abrasive materials such as cement and sand, and other dry abrasive bulk materials.
- Anti-static transfer of materials that create static buildup on the liner (anti-static compound in hose liner protects from static electricity).



- Tube:** 1/4" abrasion resistant layer of synthetic and natural elastomer blend, smooth  
1/8" abrasion resistant layer of synthetic and natural elastomer blend, smooth
- Reinforcement:** High tensile textile cord
- Cover:** Blend of synthetic and natural elastomers, black, smooth with cloth impression, antistatic, abrasion, weather, and ozone resistant. Black SBR
- Temperature:** -30°F to 185°F
- Lengths:** 100 ft.
- Branding:** 4" EAGLE BULK® MATERIAL 75 PSI

Part #	ID	OD	Plies	Max WP	Tube Construction	Weight
	in	in		psi		lbs/ft
014-0642-0074I	4	4.49	2	75	1/8"	1.67
014-0642-0075I	4	4.72	2	75	1/4"	2.14

# Eagle Gunite 150 PSI Hose

## Gunite Application

- Ultra wear resistant and thick tube, designed for high kink resistance and perfect flow, suitable for air pumping dry sand or cement mixtures to the water mixing nozzle in gunite applications.



- Tube:** 1/4" Pure Gum Rubber Tan
- Cover:** Non marking Pure Gum Blend
- Reinforcement:** Multiple plies of synthetic fabric with an imbedded static wire
- Branding:** EAGLE GUNITE 150 PSI WP
- Temperature:** -22°F to 185°F

Part #	ID	OD	WP	Burst	Weight	Std. Length
	in	in	psi	psi	lbs/ft	ft
014-0242-0150	1-1/2	2.38	150	450	1.17	100
014-0328-0150	2	2.88	150	450	1.46	100

## Eagle Hot Air® Blower Hose

### Blower Hose



- Designed for conveying of hot air from blower or compressor to tanks on dry bulk material carriers.

**Tube:** Black EPDM  
**Reinforcement:** Multiple plies of high tensile textile with dual steel wire helix  
**Cover:** Black EPDM  
**Temperature:** -40°F to 400°F  
**Branding:** EAGLE HOT AIR® BLOWER 150 PSI / 400 DEG. F. MAX  
**Lengths:** 100 ft.

Part #	ID	OD	WP	Bend Radius	Weight
	in	in	psi	in	lbs/ft
014-0482-0150I*	3	3.58	150	10	1.89
014--642-0150I*	4	4.72	150	13	2.41

\* Full Vacuum

## Eagle UREMAT® Hose

### Abrasive Handling Hose



- Heavy duty abrasive resistant suction hose designed for vacuum trucks or handling abrasives such as crushed rock, sand, pea gravel, cement, dry fertilizer, iron ore, and grains.

**Tube:** Highly flexible, static dissipative Black HMC PVC compound with Polyurethane lining  
**Cover:** Black PVC convoluted cover  
**Temperature:** -40°F to 150°F

Part #	ID	OD	WP	Standard Length	Min Bend Radius	Weight
	in	in	psi	ft	in	lbs/ft
014-0321-0100I	2	2.40	40	100	3	0.59
014-0481-0100I	3	3.64	40	100	4	1.18
014-0641-0100I	4	4.76	35	100	6	1.94
014-0961-0100I	6	6.80	30	100	12	3.50
014-1281-0100I	8	9.16	30	60	18	5.90



\* HD Version, 40% thicker tube (Blue), limited availability



## Eagle VAC Hose

### Special Design Abrasive Suction Hose

- Special hose for high performance suction equipment for transport of dry or wet media such as mud, sand or blasting media.

**Tube:** NR White, smooth, abrasion resistant, 5/16" Tube  
**Reinforcement:** High tensile textile cord, steel helix  
**Cover:** NR/SBR green, corrugated with cloth impression, abrasion, weather, and ozone resistant  
**Temperature:** -22°F to 185°F  
**Packaging:** Coil with PE wrapping  
**Lengths:** 50 ft.



Part #	ID	OD	WP	Burst Pressure	Max Vacuum	Bend Radius	Weight
	in	in	psi	psi	Hg	in	lbs/ft
014-1289-5010I	8	9.17	43	130	29	43	9.07

## BoarVac Suction Hose

### Heavy-Duty Abrasive Resistant Suction Hose

- Designed as a 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.

**Tube:** SBR rubber blended with static carbon black, smooth bore, corrugated O.D.  
**Reinforcement:** Rigid PVC Helix  
**Temperature:** -40°F to 140°F  
**Color:** Black



Part #	ID	OD	WP	Min Bend Radius	Vacuum	Weight
	in	in	psi	in	in/Hg	lbs/ft
014-0242-0045I	1-1/2	1.82	45.0	2.0	29.8	0.37
014-0322-0040I	2	2.35	40.0	2.5	29.8	0.50
014-0402-0035I	2-1/2	2.95	35.0	2.5	29.8	0.73
014-0480-0035I	3	3.50	35.0	3.0	29.8	1.10
014-0642-0030I	4	4.63	30.0	4.5	29.8	1.77
014-0800-0030I	5	5.76	30.0	5.0	28	2.47
014-0962-0030I	6	6.73	30.0	9.2	28	3.08
014-1282-0030I	8	9.04	30.0	15.0	27	5.65

# MATERIAL HANDLING HOSE

## Eagle Mine® Spray Hose

### Mining (MSHA)

- Designed for heavy-duty service requirements of underground mine spray applications, excellent choice for high pressure air applications in construction and quarries.

#### Features:

- Robust
- MSHA approved flame, oil, and abrasion resistant cover
- Weather and ozone resistant



<b>Tube:</b>	Blend of synthetic elastomers, smooth, oil resistant, black
<b>Reinforcement:</b>	Single high tensile steel braid
<b>Cover:</b>	Yellow, blend of synthetic elastomers compound, smooth with cloth impression
<b>Temperature:</b>	Suitable range -22°F to 212°F
<b>Branding:</b>	EAGLE MINE® SPRAY 1000 PSI MSHA

Part #	ID	OD	Wall	WP	Burst	Bend Radius	Weight	Length
	in	in	in	psi	psi	in	lbs/ft	ft
003-0123-1000I	3/4	1.04	0.14	1000	4000	6	0.35	100
003-0163-1000I	1	1.33	0.17	1000	4000	8	0.50	100
003-0203-1001I	1-1/4	1.63	0.18	1000	4000	10	0.71	100
003-0243-1000I	1-1/2	1.88	0.20	1000	4000	11	0.91	100
003-0323-1000I	2	2.43	0.21	1000	4000	16	1.14	100

## Eagle Honey Bee Hose

### Polyethylene Liquid Suction & Wastewater Hose

- Pumps, rental and construction dewatering, trash pumps, septic & wastewater handling, standard-duty water suction



<b>Tube:</b>	Flexible polyethylene (LDPE) tube
<b>Reinforcement:</b>	Polyethylene (LDPE) ribs and cuffed ends
<b>Temperature:</b>	-40°F to 150°F (Actual service temperature range is application dependent.)
<b>Length:</b>	<b>2":</b> 3/10/20/25/30/40/50/60 ft. <b>3":</b> 3/20/25/30/50/60 ft.

#### Features:

- **Superior Flexibility!** - Corrugated tube and ribs provides high flexibility, perfect for maneuvering in tight areas such as portable toilets.
- **"Cold-Flex" Materials** - Hose remains flexible in sub-zero temperatures.
- **Crush Resistant** - Will spring back to original shape after being crushed, will not kink!
- **Easy Slide Helix** - Exposed ribs protect hose tube from cover wear, and allow hose to slide easily over rough surfaces. Easy-to-handle.
- **Leak Proof Cuffs** - Overmolded cuffs eliminate leaking and will not separate from the hose. Each cuff and unit is 100% factory tested.

Part #	ID	OD	WP	Vacuum Rating	Min Bend Radius	Weight
	in	in	psi @ 68°F	in. Hg @ 68°F	in	lbs/ft
014-0242-0150	2	2.76	15	29	3.5	0.65
014-0328-0150	3	4.06	7	29	6.5	1.2

**NOTE:** Service life may vary depending on operating conditions and type of material being conveyed.

## Eagle Pump® HD 150 PSI Max Hose

### Water S&D

- Designed for water suction and discharge in industrial and construction services.

**Tube:** Natural and Synthetic Rubber  
**Reinforcement:** High tensile synthetic textile and steel helix wire  
**Cover:** Abrasion and weather resistant synthetic rubber  
**Temperature:** -22°F to + 185°F  
**Branding:** EAGLE PUMP® HD 150 PSI MAX



Part #	ID	OD	WP	Vacuum Rating	Burst	Bend Radius	Weight
	in	in	psi	in/Hg	psi	in	lbs/ft
004-0242-0150I	1-1/2	1.89	150	28	450	5	.73
004-0322-0150I	2	2.44	150	28	450	7	1.2
004-0482-0150I	3	3.50	150	28	450	12	1.9
004-0642-0150I	4	4.53	150	28	450	17	2.6
004-0962-0150I	6	6.61	150	24	450	27	4.9
004-1282-0150I	8	8.86	150	24	450	43	7.2
004-1602-0150I	10	10.98	150	24	450	59	12.2
004-1922-0150I	12	12.95	150	24	450	75	13.79

## Eagle Water Discharge 150 PSI Hose

### Water Discharge

- Designed for water discharge applications in construction, industry, and agriculture.

**Tube:** Synthetic rubber  
**Reinforcement:** 2-3" = 2 Ply, High tensile synthetic textile  
 4-8" = 4 Ply, High tensile synthetic textile  
**Cover:** Abrasion, weather and ozone resistant synthetic rubber  
**Temperature:** -25°F to 100°F  
**Branding:** EAGLE WATER DISCHARGE 150 PSI WP



Part #	ID	OD	WP	Min Burst	Weight	Length
	in	in	psi	psi	lbs/ft	ft
005-0322-0150I	2.00	2.36	150	450	0.80	100
005-0482-0150I	3.00	3.46	150	450	1.47	100
005-0642-0150I	4.00	4.53	150	450	2.21	100
005-0962-0150I	6.00	6.50	150	450	3.07	100
005-1282-0150I	8.00	8.54	150	450	5.45	100

## Eagle Nitrile® 150 PSI Layflat Hose

### Water Discharge

- Designed as a dependable & durable, yet lightweight and flexible solution for high volume, high pressure water transfer applications.
- The nitrile layflat allows for quick layout and retrieval and is typically used in irrigation, sewage, and general pumping duties.
- Suitable for use and recommended for INDUSTRIAL and AGRICULTURE applications in:
  - Dewatering operations
  - Irrigation
  - Sewage and general pumping applications



This hose is constructed using an “Extruded Thru the Weave” (ETW) manufacturing process.

\* See Appendix A for Extruded-Through-the-Weave-Construction.

- Tube:** Blend of synthetic elastomers, smooth, oil resistant, black
- Reinforcement:** Single high tensile textile braid
- Cover:** Blend of synthetic elastomers compound, ribbed finish
- Temperature:** -4°F to 176°F
- Lengths:** 100 ft. standard lengths (Long length available upon request)
- Colors:** black, orange, or yellow



Part #	Nom. ID	Thickness	WP	Burst	Tensile Strength	Bend Radius	Weight
	in	in	psi	psi	lbs	ft	lbs/ft
008-0242-1150I	1-1/2	.08	150	450	6500	2.30	0.21
008-0322-1150I	2	.08	150	450	8250	3.60	0.30
008-0402-1150I	3	.10	150	450	11750	4.75	0.47
008-0642-1150I	4	.10	150	450	17400	5.60	0.70
008-1282-1150I	6	.12	150	450	36000	7.40	1.27
*008-0962-0200	6	.16	200	600	51600	2.00	1.68
008-1602-1150I	8	.13	150	450	51950	9.85	1.85
*008-1202-0200	8	.16	200	600	77150	2.50	2.00
008-1600-0175	10	.15	175	525	110250	10.00	2.65
008-1922-1150I	12	.16	150	450	101400	11.00	3.42

\* Heavy-Duty

# Eagle Contractors Water Hose

## Water Washdown

- Designed as a traditional rubber water hose coupled with standard MxF Garden Hose Thread (GHT) solid brass fittings. This hose features a black PVC bend restrictor at female end to prevent kink and wear at hookup.

<b>Tube:</b>	SBR+NR
<b>Reinforcement:</b>	Spiral polyester yarns
<b>Cover:</b>	EPDM
<b>Temperature:</b>	-22°F up to 176°F
<b>Branding:</b>	EAGLE CWH CONTRACTORS WATER HOSE 200 PSI MAX WP #Q##
<b>Couplings:</b>	Male x female octagonal nut spun brass garden hose coupling with brass ferrules
<b>Lengths:</b>	50ft/coil, (Custom lengths available)
<b>Colors:</b>	Black



Part #	ID	Length	WP	Weight
	in	ft	psi	lbs/ft
001-0102-0150I	5/8	50	200	15
001-0122-0150I	3/4	50	200	20

\* Custom lengths available

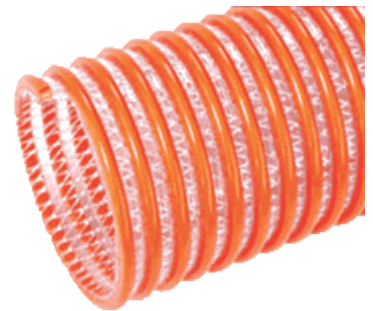
# Eagle Orange/Clear Suction and Discharge Hose

## Water S&D

- Designed for use in fish suction and rental/construction pumping.

<b>Construction:</b>	Flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated O.D.
<b>Temperature:</b>	-13°F to 140°F

- Features**
- Lightweight and flexible
  - External helix provides for easy drag
  - Rated for both suction & discharge
  - Clear sidewall permits visual check of material flow



Part #	ID	OD	Weight	Std. Length	Working Pressure	Vacuum Rating	Min Bend Radius
	in	in	lbs/ft	ft	psi	in/Hg	in
007-0320-0100I	2	2.60	0.69	100	100	29	4
007-0480-0100I	3	3.70	1.13	100	100	28	6
007-0640-0080I	4	4.78	1.74	100	80	28	7
007-0960-0072I	6	7.17	3.88	20, 60, 100	70	28	10
007-1280-0060I	8	9.34	5.55	20, 25	60	28	16
007-1600-0040I	10	11.63	8.90	20, 25	40	28	25
015-0192-0020I	12	13.66	10.30	20	30	25	45

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure.

Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.

JGB will not be responsible for damage to hose due to over flexing.

## Eagle EPDM Suction Hose

### Water S&D

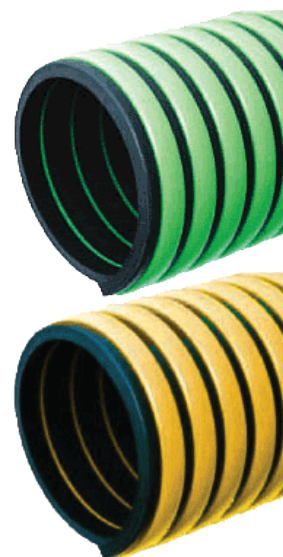
Designed for:

- Liquid waste suction, septic handling
- Cesspool cleaning, slurries/sludge handling
- Chemicals, dry material, grain transfer
- Mining and marine use

**Tube:** EPDM blend rubber  
**Reinforcement:** Plastic helix  
**Temperature:** -40°F to 140°F

### Features:

- Specially compounded rubber wall, exposed
- Excellent resistance to chemicals
- Lightweight and flexible
- Smooth bore, exposed helix - easy to drag



Part #		ID	OD	WP	Vacuum Rating	Min. Bend Radius	Weight	Std. Length
Green	Yellow	in	in	psi	in/HG	in	lbs/ft	ft
004-0169-0050I	004-0163-0050I	1	1.34	50	29	1.9	0.23	100
004-0209-0050I	004-0203-0050I	1-1/4	1.65	50	29	3.2	0.34	100
004-0249-0050I	004-0243-0050I	1-1/2	1.85	50	29	3.5	0.41	100
004-0329-0050I	004-0323-0050I	2	2.43	50	29	5.5	0.67	100
004-0489-0045I	004-0483-0045I	3	3.52	45	29	7.5	1.10	100
004-0649-0040I	004-0643-0040I	4	4.6	38	29	11.5	1.84	100
004-0969-0030I	004-0963-0030I	6	6.81	23	28	20	3.23	100

## Eagle DRAFT FLEX™ Hard Suction Hose

### Drafting

- Designed for suction side drafting, dry hydrant connections, trash pumps in construction and mining, solid material transfer drafting from lakes, ponds, rivers, pools, wells, etc. during structural firefighting operations.

**Tube:** Cold Weather PVC  
**Reinforcement:** Rigid PVC Helix  
**Temperature:** -22 F to 140°F  
**Couplings:** NH LH Female x NH RL Male



### Features

- » Corrugated exterior for superior flexibility
- » Smooth bore for unrestricted flow
- » Lightweight and flexible in cold weather
- » Clear sidewall permits visual check of material flow
- » Weatherproof - highly resistant to ozone, salt water, and ultraviolet light
- » External helix provides for easy drag

ID	OD	Pitch	Min Bend Radius (72°F)	WP (72°F)	Vacuum Rating	Weight	Standard Length
in	in	in	in	psi	72°F In/Hg	lbs/ft	ft
3	3.50	0.59	5.0	25	29.0	1.00	100
4	4.55	0.65	6.5	20	28.0	1.52	100
5	5.73	0.85	9.5	20	28.0	2.50	100
6	6.73	0.85	10.6	20	28.0	3.10	50, 100



**Note:** Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure.



# Eagle Composite® Hose (Approved by DNV GL / \*Complies with USCG 33CFR 154.500)

## Water S&D

- Designed for loading and unloading barges, ocean tanker & bunkering services, other doc side operations, handling suction and discharge gasoline, diesel fuel, paraffin, kerosene, lubricating oils, 100% aromatics, black oils, and heavy lubricants and solvents.

<b>Carcass:</b>	Multiple layers of polypropylene fabric, film and polyester barrier layers
<b>Reinforcement:</b>	High tensile strength galvanized inner and outer wire
<b>Cover:</b>	Abrasion resistant PVC impregnated fabric
<b>Temperature:</b>	-22°F to 176°F
<b>Flange:</b>	Fix x floating per ANSI B 16.5 CARBON STEEL 150LBS SPECIFICATION (*Complies with USCG 33CFR 154.500)
<b>Vic:</b>	Standard cut groove carbon steel vic
<b>Colors:</b>	Blue Standard, any color upon request
<b>Branding:</b>	EAGLE COMPOSITE® OIL SERVICE S&D CARGO 200PSI MAX WP #Q## USCG 33CFR 154.500



Part #	ID	Max WP	Burst	Bend Radius	Weight	Max Length
	in	psi	psi	in	lbs/ft	ft
006-0642-0010I / 0020I	4	250	1000	16	3.5	65
006-0462-0010I / 0020I	6	250	1000	23	7.7	65
006-1280-0010I / 0020I	8	200	850	32	12.0	65
006-1600-0010I / 0020I	10	200	850	40	16.9	40
006-1920-0010I / 0020I	12	200	850	47	19.8	40

### Approximate weight of Fix x Floating Flange

\* Assemblies are tested at 1.5 times working pressure.

Hose Size	Hose Length	Weight of Assembly	Hose Length	Weight of Assembly
in	ft	lbs	ft	lbs
4	10	70.55	20	99.20
6	10	160.94	20	233.69
8	10	264.56	20	381.40
10	10	363.76	20	507.06
12	10	551.25	20	760.01

### Approximate weight of Vic x Vic

\* Assemblies are tested at 1.5 times working pressure.

Hose Size	Hose Length	Weight of Assembly	Hose Length	Weight of Assembly
in	ft	lbs	ft	lbs
4	10	52.91	20	85.98
6	10	136.69	20	209.44
8	10	227.08	20	343.92
10	10	319.67	20	462.97
12	10	396.43	20	696.16

## HANDLING & MAINTENANCE

The following recommendations are the *minimum* to which the user must adhere.



**Eagle Slings 5000 lb. capacity**  
**Available 6" through 12" ID**

# WATER HOSE

## Eagle Green/Clear PVC Discharge Hose

### Water Suction & Discharge

- Agricultural liquid fertilizer
- Air seeder lines
- Drain lines
- Irrigation lines
- Pumps: rental and construction dewatering
- Mining applications
- Pumps: trash
- Water suction – standard duty
- Rock dusting

**Tube:** PVC tube with rigid PVC helix  
**Temperature:** -10°F to +140°F  
**Couplings:** Contact JGB for proper fitting recommendation and coupling procedure.

### Features:

- Smooth both inner & outer surface
- Ellipse shaped helix: sustains strength without added thickness
- Lightweight, highly flexible - excellent vacuum rating
- Transparent construction allowing visual confirmation of material flow



Part #		ID	OD	Min. Bend Radius	WP	Vacuum Rating	Burst Pressure (psi)			Wgt.	Std. Length
Clear	Green						water temp				
		in	in	in	psi	in/Hg	50°F	96°F	122°F	lbs	ft
007-0160-0085I	007-0169-0085I	1	1.24	3	85	29	313	256	185	0.26	100
007-0200-0085I	007-0209-0085I	1-1/4	1.54	4	85	29	284	228	156	0.34	100
007-0240-0070I	007-0249-0070I	1-1/2	1.82	5	70	29	270	213	142	0.44	100
007-0320-0065I	007-0329-0065I	2	2.28	8	65	29	242	199	128	0.55	100
007-0400-0050I	007-0409-0050I	2-1/2	2.83	10	50	29	228	185	128	0.79	100
007-0480-0060I	007-0489-0060I	3	3.35	12	50	29	199	171	100	0.97	100
007-0640-0050I	007-0649-0050I	4	4.45	14	50	29	199	171	100	1.71	100
007-0960-0040I	007-0969-0040I	6	6.67	25	30	28	156	114	57	3.70	100/20
007-1200-0040I	007-1289-0040I	8	8.83	30	30	28	156	114	57	6.05	20

## Eagle Mill® Hose

### Water Discharge

- Designed for medium to heavy-duty discharge service.

**Tube:** SBR  
**Cover:** 100% Polyester  
**Temperature:** -25°F to 185°F  
**Packaging:** 50 ft. and 100 ft. stock lengths  
**Colors:** white  
**Couplings:** Stock hose assemblies with banded C/E  
 Stock hose assemblies with banded water shanks  
**Branding:** EAGLE MILL® 250 SJ  
 EAGLE MILL® 600 DJ



Single Jacket				
Part #	ID	WP	Test Pressure	Weight
	in	psi	psi	lbs/ft
005-0165-0250I	1	150	300	0.150
005-0245-0250I	1.5	150	250	0.230
005-0325-0250I	2	150	250	0.280
005-0400-0250I	2.5	150	250	0.390
005-0485-0250I	3	150	250	0.500
005-0645-0250I	4	150	250	0.660

Double Jacket				
Part #	ID	WP	Test Pressure	Weight
	in	psi	psi	lbs/ft
005-0165-0600I	1	250	600	0.190
005-0245-0600I	1.5	250	600	0.260
005-0325-0600I	2	250	600	0.330
005-0400-0600I	2.5	250	600	0.450
005-0485-0600I	3	250	600	0.607
005-0645-0600I	4	250	600	0.849



## Eagle Red PVC HD Discharge Hose

### Water Discharge

- Designed for agricultural, quarry, irrigation, mining, construction, and industrial applications.

**Tube / Cover:** Premium Red PVC  
**Reinforcement:** Two spiral plies and longitudinal silk cords  
**Temperature:** -10°F to 150°F  
**Branding:** EAGLE WATER DISCHARGE HD  
**Packaging:** Cut and coupled to length  
**Couplings:** Standard short shank aluminum, malleable or brass couplings, Steel Bauer



Part #	ID	Approx Wall Thickness	WP	Weight
	in	in	psi	lbs/ft
008-0241-0150I	1.5	.075	150	.20
008-0321-0150I	2	.080	150	.28
008-0481-0150I	3	.095	150	.54
008-0641-0125I	4	.100	125	.67
008-0961-0115I	6	.105	115	1.25
008-1281-0070I	8	.110	70	1.48
008-1926-0040I	12	.112	40	2.43

Standard Size	M x F	C x E
1-1/2"x50'	A008-0241-1650	A008-0241-3550
2"x50'	A008-0321-1650	A008-0321-3550
3"x50'	A008-0481-1650	A008-0481-3550
4"x50'	A008-0641-1650	A008-0641-3550
6"x50'	A008-0961-1650	A008-0961-3550

## Eagle FLO® Blue PVC Discharge Hose

### Water Discharge

- Designed for light duty, general purpose agricultural, irrigation, and construction applications.

**Tube / Cover:** Blue PVC  
**Reinforcement:** Polyester Yarn  
**Temperature:** -4°F to 150°F  
**Branding:** EAGLE FLO® WATER DISCHARGE  
**Lengths:** Cut and coupled to length.  
**Couplings:** Standard short shank aluminum, malleable or brass couplings



Part #	ID	Thickness	WP	Weight
	in	in	psi	lbs
008-0166-0070I	1	0.051	70	0.10
008-0246-0080I	1.5	0.055	80	0.17
008-0326-0080I	2	0.060	80	0.23

Part #	ID	Thickness	WP	Weight
	in	in	psi	lbs
008-0486-0070I	3	0.063	70	0.40
008-0646-0070I	4	0.063	70	0.52
008-0966-0050I	6	0.071	50	0.85

## Eagle FLO® Grey Water Discharge Hose

### Water Discharge

- Designed for medium-duty discharge service.

**Tube / Cover:** Black Pliovic™ Compound / Grey premium PVC  
**Reinforcement:** 2 ply synthetic fabric  
**Temperature:** -10 °F to 150 °F



Part #	ID	WP	Wall Thickness	MIQ	Weight
	in	psi	mm	ft	lbs/ft
008-0247-0075	1-1/2	90			0.19
008-0327-0120I	2	120	1.5	15000	0.24
008-0487-0110I	3	110	1.6	15000	0.40
008-0647-0110I	4	110	2.2	9000	0.68
008-0967-0035	6	35			1.07

## Eagle Water Transfer PU HD Lay Flat Hose

### Water Discharge

- Designed for construction sites, waste water industry, agriculture and mining, transport of abrasive materials, flexible pipeline even in extreme terrain, irrigation and sludge disposal, for heavy duty service under toughest conditions. Perfectly prepared for hydraulic fraction in shales and oil fields.

<b>Tube:</b>	PU
<b>Reinforcement:</b>	Polyester-Nylon textile
<b>Cover:</b>	PU, Ribbed cover or smooth cover
<b>Temperature:</b>	-58°F to 176°F
<b>Branding:</b>	EAGLE PU WATER TRANSFER
<b>Packaging:</b>	Rolled, packed on steel reel
<b>Couplings:</b>	On request
<b>Colors:</b>	Black standard, blue, red, or green upon request
<b>Standard Lengths:</b>	100 ft (30m), 200 ft (61m), 300 ft (91.5m), 330 ft (100m) 660 ft (200m)
<b>Manufacturing Technology:</b>	* <b>Extruded-Through-the-Weave</b> technology

*JGB's Eagle Water Transfer PU is coupled with forged fittings versus sand casted fittings, making them the strongest in the industry!*



\* See Appendix A for Extruded-Through-the-Weave-Construction.

Part #	ID	Nom. OD	Max WP	Burst	Wall Thickness	Tensile Strength	Weight
	in	in	psi/bar	psi/bar	in	lbs	lbs/ft
008-0960-0150PU	6	6-5/16	200/13	600/39	0.150	33000	1.41
008-1280-0150PU	8	8-5/16	200/13	600/39	0.150	89000	1.94
008-1600-0150PU	10	10-3/8	200/13	600/36	0.165	100100	2.75
008-1900-0150PU	12	12-7/16	200/13	450/30	0.165	134000	3.33
	14	14-1/2	150/10	450/30	0.205	178574	4.96
	16	16-7/16	100/8	300/20	0.205	66140	5.09

## Eagle Water Jetting Hose

### High Pressure Water Jetting

- Stripping layers from hard surfaces, strip mining and washdown applications.

<b>Tube:</b>	NBR/SBR, light oil resistant
<b>Reinforcement:</b>	2-1/2" - 4": 6 ply, 6": 8 ply High tensile textile cord
<b>Cover:</b>	NR, Weather, Ozone, and Abrasion Resistance
<b>Temperature:</b>	-22°F to 185°F
<b>Branding:</b>	EAGLE WATER JETTING
<b>Couplings:</b>	Contact JGB for proper fitting recommendation and coupling procedure.
<b>Colors:</b>	Black standard, blue, red, or green upon request



Part #	ID	Wall	WP	Burst	Weight
	in	mm	psi	psi	lbs/ft
004-0480-0800I	3	11	800	2400	2.5
004-0640-0800I	4	13	800	2400	3.7
004-0960-0600I	6	14	600	1800	5.6

# Eaglewash I 4000 PSI

## Pressure Wash

- Designed for use on pressure washer machines with working pressures up to 4000 psi and temperatures up to 310°F.

**Tube:** Synthetic rubber, resistant against cold and hot water with usual cleaning agents  
**Reinforcement:** One braid of high tensile steel wire  
**Cover:** Abrasion and ozone resistant synthetic rubber, wrapped or smooth.  
**Temperature:** 14°F to 310°F  
**Packaging:** 500ft, 2 piece reels or cut-to-length coils  
**Branding:** 3/8" EAGLEWASH 4001 PRESSURE WASHER HOSE 4000 PSI / 310 DEG F #Q##  
**Couplings:** Hydraulic 100R1 type, crimped to manufacturer specifications  
**Colors:** Blue, Black, Gray



### Features:

- Available in bulk, 50 ft., 100 ft., and custom lengths
- Lightweight and easy to handle
- A unique cover compound gives JGB Eaglewash I hoses the durability and flexibility to handle abrasion and normal cleaning chemicals used in the wash industry.

Part #			ID	OD	Max Operating Pressure	Min Burst	Bend Radius	Weight
Black	Blue	Grey	in	in	psi	psi	in	lbs/ft
168-6006-3001I	168-0066-4000I	168-0067-4000I	3/8	.59	4061	12,183	2.6	0.148

# Eagleflex II 6000 PSI

## Pressure Wash

- Designed for use on pressure washer machines with working pressures up to 6000 psi and temperatures up to 310°F.

**Tube:** Synthetic rubber, resistant against cold and hot water with usual cleaning agents  
**Reinforcement:** Two braids of high tensile steel wire  
**Cover:** Abrasion and ozone resistant synthetic rubber  
**Temperature:** 14°F to 310°F  
**Branding:** 3/8" EAGLEFLEX II PRESSURE WASHER HOSE 6000 PSI / 310 DEG F #Q##  
**Packaging:** 450ft, 2 piece reels or cut-to-length coils  
**Couplings:** Hydraulic 100R1 type, crimped to manufacturer specifications  
**Colors:** Blue, Black, Gray



### Features:

- Available in bulk, 50 ft., 100 ft., and custom lengths
- Lightweight and easy to handle
- A unique cover compound gives JGB Eagleflex II hoses the durability and flexibility to handle abrasion and normal cleaning chemicals used in the wash industry.

Part #			Nom. ID	ID	OD	WP	Burst	Bend Radius	Weight
Black	Blue	Grey	in	in	in	psi	psi	in	lbs/ft
172-1006-4002I	172-1006-5801I	172-0067-5400I	3/8	0.4	0.64	6091	18,275	2.6	.255

## Eaglewash Carpet Cleaning Hose

### Carpet Cleaning

- Designed for use on pressure washer machines with working pressures up to 3625 psi and temperatures up to 250°F (300°F Intermittent).

<b>Carcass:</b>	Synthetic rubber, resistant against cold and hot water with usual cleaning agents
<b>Reinforcement:</b>	One braid of high tensile steel wire
<b>Cover:</b>	Abrasion and ozone resistant synthetic rubber, smooth only
<b>Temperature:</b>	-40°F to 250°F (300°F Intermittent)
<b>Packaging:</b>	400 ft, 2 piece reels or cut-to-length coils
<b>Couplings:</b>	Hydraulic 100R1 type crimped to fitting manufacturer specifications.
<b>Colors:</b>	Blue, Black, Grey
<b>Branding:</b>	1/4" EAGLEWASH I PRESSURE WASHER HOSE 3625 PSI MAX WP INTERMITTENT 300 DEG F #Q##



### Features:

- Available in bulk, 50 ft., 100 ft., and custom lengths
- Lightweight and easy to handle
- A unique cover compound gives JGB Eaglewash Carpet Cleaning hoses the durability and flexibility to handle abrasion and normal cleaning chemicals used in the wash industry.

Part #			ID	OD	Max Oper. Pressure	Burst	Bend Radius	Weight
Black	Blue	Grey	in	in	psi	psi	in	lbs/ft
168-0042-3000I	168-0046-3001I	168-0047-3001I	1/4	0.519	3625	12,009	1.38	.12

## THUNDERBOLT®

### Pressure Wash

- Designed for use on either combination machines or pressure washer machines.

<b>Tube:</b>	Black, heat resistant synthetic rubber
<b>Reinforcement:</b>	One wire braid
<b>Cover:</b>	Black heat and oil resistant synthetic rubber RMA class B (pin pricked)
<b>Temperature:</b>	Handles up to 325°F (163°C) steam at 350 psi with a safety factor in excess of 10 to 1. Handles up to 250°F (121°C) water at 3000 psi with a 4 to 1 safety factor.
<b>Branding:</b>	3/8" THUNDERBOLT® COMBO 3000 PSI / 250°F - 350 PSI / 325°F
<b>Couplings:</b>	Recommend testing with hydraulic 100R1 over the wire (Skive hose) fittings crimped to the fitting manufacturer specifications. Compatibility with different over the wire fittings should be tested prior to use.



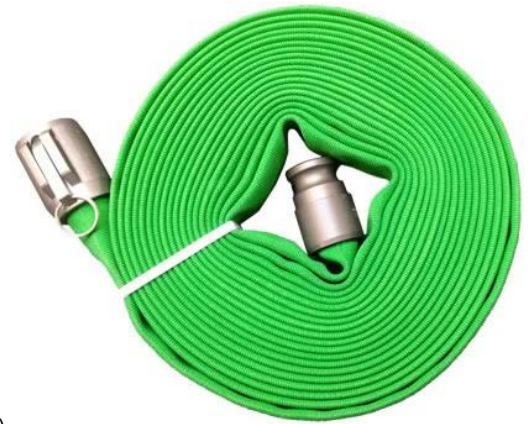
Part #	Nom ID	Nom. OD	Bend Radius	Min. Burst	Max. Oper. Pressure		Weight
	in	in	in	psi	psi@250°F	psi@325°F	
171-9006-3000	3/8	.690	2.5	12,000	3000	350	.21

## Avalanche® 2000 II Snowmaking Hose

### Snowmaking Hose

- Designed for snowmaking, featuring a high performance construction.

<b>Tube:</b>	Black, fused thermoplastic which produces an extremely smooth waterway, significantly reducing friction loss compared to conventional liners.
<b>Reinforcement:</b>	Woven filament polyester
<b>Cover:</b>	Woven filament polyester
<b>Temperature:</b>	As low as -55°F (Working)
<b>Branding:</b>	AVALANCHE® 2000 II
<b>Lengths:</b>	50' and 100' standard lengths; (* Any Length Available Upon Request)
<b>Couplings:</b>	Internally expanded aluminum male NPT threaded couplings or high-performance, quick disconnect couplings.



Part #	Nom ID		Test Pressure		Burst Pressure	
	in	mm	psi	Mpa	psi	Mpa
023-0249-0802	1-1/2	38.1	800	5.52	2000	13.79
023-0329-0802	2	50.8	800	5.52	2000	13.79
023-0409-0802	2-1/2	63.5	800	5.52	1500	10.34

## EZ Kote® Paint Spray Hose

### Airless Paint Spray Hose

- Designed for conveying paints, fuels, oils, and most other solvents.
- EZ Kote® is recommended for applications where an electrostatic charge must be eliminated.

<b>Tube:</b>	Extruded, seamless nylon
<b>Reinforcement:</b>	High tensile synthetic
<b>Cover:</b>	Abrasion-resistant polyurethane
<b>Temperature:</b>	0° to 200°F
<b>Packaging:</b>	Cut to length and coupled
<b>Branding:</b>	E-Z Kote® Wireless Antistatic Hose 1/4" ID Max W.P. 3300psi 228bar
<b>Couplings:</b>	1/4" or 3/8" female swivels; male NPT with spring guards
<b>Lengths:</b>	<b>Made to order lengths available in all sizes</b> 1/4" (25 & 50 ft. assemblies) 3/8" (50 ft. assemblies) 3/16" Whip hose (3, 5, or 6 ft. lengths)



### Features:

- Special construction keeps hose lightweight and flexible
- A special static drain element dissipates static charge
- Date coding on the coupling provides traceability
- A high pressure conductive hose

Part #	Nom ID	Nom OD	Bend Radius	Min Burst	WP	Weight
	in	in	in	psi	psi	lbs/100 ft
016-0032-350P	3/16	.432	1.8	14,000	3500	4.8
016-0046-330P	1/4	.491	2.5	13,200	3300	5.0
016-0060-300P	3/8	.660	3.5	13,200	3300	8.7

## Dunlop Waterblast WB10, WB15, WB20

### Waterblast

- Designed for **very high** pressure waterblasting

**Tube:** NBR (Nitrile rubber)  
**Reinforcement:** Four Spiral Layers  
**Cover:** NBR (Nitrile rubber)  
**Temperature:** -40°F to 160°F



Part #	Series	ID	OD	WP	Burst Pressure	Tensile Strength	Bend Radius	Weight
		in	in	psi	psi	lbs	in	lbs/ft
168-0082-10000D	WB10	1/2	0.969	10000	25000	2976	8.00	0.61
168-0082-12	WB10	3/4	1.27	10000	25000	4452	8.25	0.98
168-794-08	WB10	1	1.528	10000	25000	11034	14.00	1.46

Part #	Series	ID	OD	WP	Burst Pressure	Tensile Strength	Bend Radius	Weight
		in	in	psi	psi	lbs	in	lbs/ft
168-794-06	WB15	3/8	0.843	18000	45000	2189	6.00	0.57
168-794-08	WB15	1/2	1.000	16000	40000	3283	8.00	0.85
168-794-12	WB15	3/4	1.252	14500	36250	6373	11.00	1.20

- The WB20 Series hose is designed for **ultra-high** pressure waterblasting.

**Tube:** NBR (Nitrile rubber)  
**Reinforcement:** Six Spiral Layers  
**Cover:** NBR (Nitrile rubber)  
**Temperature:** -40°F to 160°F

Part #	Series	ID	OD	WP	Burst Pressure	Tensile Strength	Bend Radius	Weight
		in	in	psi	psi	lbs	in	lbs/ft
168-0082-20000	WB20	1/2	1.161	20000	50000	4178	8.00	1.17

### PRECAUTIONS:

- Restricted to use as high pressure waterjetting hose where safety factors of 2.5:1 are the industry norm. Due to the safety critical nature of these very high pressure hoses, it is recommended that pre-fitted and tested assemblies are sourced.
- No warranty is given for assemblies made with non-approved fittings.
- JGB recommends referencing the recommended practices for the use of manually operated high pressure waterjetting equipment published by the Waterjet Technology Association (WJTA).

**\*\*\* Disconnects and Hammer Unions also available**

## Bauer Pipe Galvanized

### Zinc Plated Steel

- Designed for temporary suction in pressure applications. Commonly used for: clean water, storm drain, sewer by-pass, or transmission lines. Lightweight, easy install and repair.
  - Galvanized Discharge pipes, Bauer type A or B
  - Sizes from 4" to 16" ID
  - Available in 3', 6', 10', or 20' foot lengths
  - High temp applications up to 230°F



## HDPE Pipe

### High Density Polyethylene

- Designed for temporary suction in pressure applications. Commonly used for: clean water, storm drain, sewer by-pass, or transmission lines. Lightweight, easy install and repair.
  - HDPE Discharge pipes, Bauer type A or B
  - (SDR17) Durable High Density Polyethylene
  - Sizes from 4" to 16" ID
  - Available in 10' or 20' foot lengths, ask about Poly Tails!
  - Temp Rating 140°F



## Poly Tails

### Poly HDPE Tails Type A



### Poly HDPE Tails Type B



## Bauer Type Couplings

### Hot Dipped, Galvanized

Bauer Couplings are fast and easy to install. They are flexible with up to 30° articulation on the coupling joint making them ideal for difficult site conditions. Extremely durable, Eagle Bauer Couplings are produced from high-grade, high-tensile steel with abrasion resistant hot-dip galvanization according to DIN EN ISO 1461.

- Double pin locking lever for smooth closing action
- Equipped with a safety pin to prevent accidental openings
- Primary applications are for irrigation and suction lines
- Not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns
- Factory pressure tested at 24 bar.
- Made in Italy



Size Range: 4 to 12in.

# HOSE FITTINGS

## Cam & Groove & Accessories

**Aluminum – Stainless Steel – Carbon Steel – Brass – Poly**

- Recommended for low-pressure discharge and suction service for compatible liquids



**WARNING:**  
UNDER NO CIRCUMSTANCES should  
Cam and Groove couplings be used for  
compressed air or steam service!

### Crimp Shank Camlocks

- Die Cast SS 304 Arms, Steel safety pins, Steel rings, NBR gasket
- Multiple serrations on hose shank for better coupling retention

Interchangeable with all manufacturers who are compliant to the A-A59326 specification.

## King Combination Nipples (KCNs)

**Steel Plated**



Sizes: 1, 1-1/2, 2 to 8 inches.

- Recommended for low-pressure discharge and suction service for compatible liquids

## Water Shanks

**Aluminum**



Sizes: 1-1/2 to 6 inches.

- Designed for use in fluid handling hoses.

## Hammer Unions



100 Series



1502 Series



206 Series



206 Series  
(One Piece Design)



200 Series

## Valves

- The primary function of a hose valve is to control the flow of water. A variety of valve and valve sizes are available. Contact JGB for information.



**Check Valves**  
Size Range: 4 to 16 in.



**Butterfly Valves - Wafer Style**  
Size Range: 4 to 16 in.

**Note:** JGB couplings are designed to comply with the dimensional requirements of MIL A-A59326.

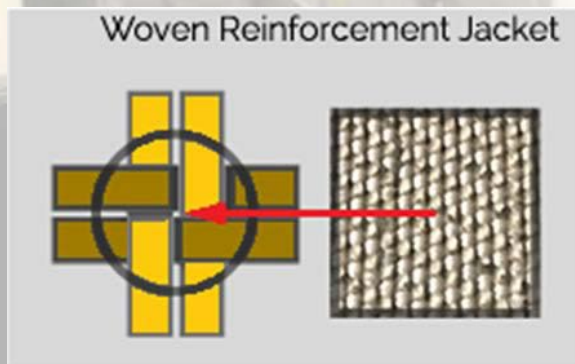


## Extruded-Through-the-Weave Hose

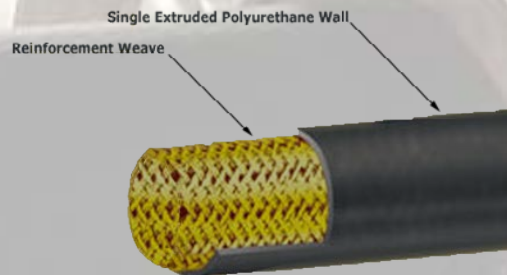
At JGB Enterprises we pride ourselves on supplying the highest quality, and most technologically advanced hose and assemblies the market has to offer, and our lay flat hose program is no exception. Our EAGLE "TPU" Thermoplastic polyurethane and EAGLE "NBR" Nitrile rubber hoses are produced using a state of the art manufacturing technique referred to as, "extruded-through-the-weave" or single extrusion.

The unique "extrusion through the weave" process eliminates the use of tubes and adhesives. The compound is fed into a heated extrusion barrel it's extruded through the woven reinforcement jacket as it's drawn through the channel. This one step extrusion process results in an extremely strong homogenous bond between cover and woven reinforcement jacket. process results in an extremely strong homogenous bond between cover and woven reinforcement jacket.

EAGLE TPU hose is produced with Huntsman polyurethane U.S.A: **Specification IROGRAN® A 85 P 4394**



This illustration Shows a cross section of an extruded-through-the-weave hose section including, the reinforcement weave & single extruded polyurethane or nitrile wall.



This illustration Shows a cross section of an extruded-through-the-weave hose section including, the reinforcement weave & single extruded polyurethane or nitrile wall.

### Advantages of through-the-weave construction:

1. No adhesive is used; hence there is no potential for the hose to delaminate.
2. At working pressure through-the-weave hose has an elongation rate of less than 1%.
3. Adhesion peel tests have shown that adherence of a through the weave hose is twice as strong as that of 3-Ply.
4. The interior of through-the-weave hose is much smoother than 3-Ply hose, thus affording a higher flow rate.

### Disadvantages of the 3-Ply layered construction:










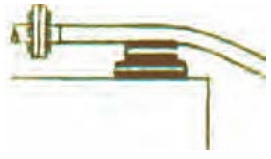

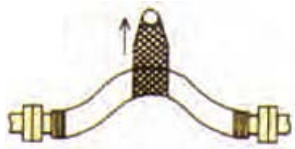


1. 3-Ply manufactures must apply pin holes to the outer cover to allow steam used in the gluing process to escape, those same pin holes could allow moisture to reach the adhesive that binds the outer layer to the reinforcement jacket. While this should not cause the inner tube to leak per se, moisture would reduce the adhesive bond between both the outer and the inner tubes and the reinforcement jacket. Separation from the reinforcement jacket would mean a loss of integrity in the strength of the hose and in the worst case a rupture, the location and extent of which cannot be predicted.
2. At working pressure, 3-Ply hose can reach an elongation rate as high as 10%. Such elongation results in "snaking" which causes the hose to move in an unpredictable manner and may lead to damage to the hose and the environment, as well as a reduced flow rate. Not to mention the time lost shutting down to relay.
3. Less Poly / rubber may be used in the manufacture of 3-Ply hose because of an incentive inherent in the manufacturing process to keep the hose tubes as thin as possible. This results from the necessary procedure of turning the inside tube out, which becomes very difficult if the tubes are too thick. While suppliers of 3-Ply hose will no doubt attribute a thinner wall to a manufacturing process finely tuned to using only the amount of material necessary to provide the desired outcome, the truth is that a thinner tube has been used to accommodate the manufacturing process. Thinner wall will puncture easier and wear faster.

## HANDLING & MAINTENANCE

The following recommendations are the *minimum* to which the user must adhere.



**Eagle Slings 5000lb capacity 6" through 12" ID**

 <p><b>FIG 1</b></p>	<p><b>Traction:</b> Do not use hose in between (FIG. 1). Let it form a small curve (FIG. 2).</p>	 <p><b>FIG 2</b></p>
 <p><b>FIG 3</b></p>	<p><b>Torsion:</b> Hose is not manufactured to work in torsion (FIG. 3). During installation it is essential to ensure that the hose is not twisted. Let it follow an ideal lay-line (FIG. 4).</p>	 <p><b>FIG 4</b></p>
 <p><b>FIG 5</b></p>	<p><b>Bending Radius:</b> Installation tighter than the minimum bending radius reduces the life of the hose considerably. Moreover it is necessary to avoid bending close to the end fittings (FIG. 5 &amp; 6).</p>	 <p><b>FIG 6</b></p>
 <p><b>FIG 7</b></p>	<p><b>Installation:</b> The hoses must be supported to allow normal movement when must under pressure (dimensional variations). Do not rest hose on sharp edges (FIG. 7 &amp; 7B). Take adequate precautions (FIG. 8 &amp; 8B). Do not support hoses with ropes or chains (FIG. 9). Flexible hose supports or polyester slings are recommended. (FIG. 10)</p>	 <p><b>FIG 8</b></p>
 <p><b>FIG 7b</b></p>	<p><b>Storage:</b> Hose must be stored in a relaxed condition free from tension, compression or other deformation. Contact with objects that could pierce or cut must be avoided. When not in use, hose should be stored in a dark place preferably, avoiding direct sunlight and rain. It must be protected from rodents and insects. When such a risk is probable, appropriate precautions must be taken.</p>	 <p><b>FIG 8b</b></p>
 <p><b>FIG 9</b></p>	<p><b>Norms and Method of Use:</b> Prior to installation it is necessary to check the characteristics of the hose carefully to ensure that type, diameter and length conform to the required specification. (FIG 12) Moreover a visual check must be carried out to make sure that there are no obstructions, cuts damaged cover or any other evident imperfections (FIG 11). Although the hoses are manufactured to guarantee exceptional resistance to abrasion, it is advisable to move them with care, avoiding knocks, dragging over abrasive surfaces or crushing. Furthermore, hoses must not be pulled violently when twisted or knotted.</p>	 <p><b>FIG 10</b></p>
 <p><b>FIG 11</b></p>	<p><b>Maintenance :</b> Even when choice, storage and installation is carried out correctly, regular maintenance is necessary. During regular checks, special attention must be paid to couplings and to the appearance of irregularities which can indicate deterioration of the hose. After use, it is advisable to empty the hoses carefully and if necessary, clean thoroughly. We recommend in any case, that the hoses be checked and tested under pressure once a year.</p>	 <p><b>FIG 12</b></p>
	<p>NEVER weld reduction couplings or flanges onto original hose fittings. NEVER close or hold the coupling ferrules in a bench vice as they could be deformed. If necessary, hold the hose itself, closing the vice onto the outside spirals of the hose.</p>	



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