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# NL2138 / NL2140 - Braided Clear PVC Transfer

1 Water Suction

NL2138 is a specialty hose that is designed for applications where the hose will be subjected to both suction and higher pressure discharge (not food grade). Its unique braiding provides an advantage over conventional PVC hoses through increased working pressures and extra strength. Its exposed helix also permits less resistance to dragging. The larger sizes are ideally suited for fish handling, dam/foundation pumping, and various discharge applications where a hardwall hose is required. Our NL2140 is a heavier version of our NL2138 with a left hand helix specifically designed for use with Transvac Fish Suction couplings.



NL2140 Left-Hand Spiral White Helix

NL2138 Right-Hand Spiral Orange Helix

**Temperature Range:** -25°C (-13°F) to +65°C (150°F)

**Construction:** Tube: Smooth PVC. Cover: Corrugated PVC. Reinforcement: Rigid PVC helix and an embedded textile braid (orange right hand helix on NL2138, white left hand helix on NL2140).

**Typical Fittings:** Camlocks, N10 combination nipples, ring-lock fittings, spiral clamps (NL2138 uses N675 right hand spiral clamps, NL2140 uses N676 left hand spiral clamps), Transvac fittings. **Note:** Transvac left hand clamps work on NL2140 series only), various bolt clamps, strapping.

Inside Diameter	Part #	Outside Diameter	W. Pressure/ Vac. Rating*	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>Standard Wall - Orange Right Hand Helix</b>							
1-1/2"	NL2138-150	2.00"	100 psi / 28 in/Hg	3"	.47	C	100 ft
2	NL2138-200	2.50	100 / 28	5	.60	C	100
2-1/2	NL2138-250	3.01	100 / 28	6	.74	C	100
3	NL2138-300	3.65	100 / 28	7	1.07	B	100
4	NL2138-400	4.73	75 / 28	8	1.74	B	100
5	NL2138-500	6.05	75 / 28	9	3.00	C	100
6	NL2138-600	7.13	70 / 28	12	3.81	B	100
8	NL2138-800	9.30	50 / 28	26	5.00	C	20/40
10	NL2138-1000	11.50	35 / 28	40	8.50	C	20/40
12	NL2138-1200	13.80	28 / 25	50	10.30	C	20
<b>Heavy Wall - White Left Hand Helix</b>							
8"	NL2140-800	9.30"	55 psi / 28 in/Hg	47"	6.40	N	40 ft
10	NL2140-1000	11.30	55 / 28	75	9.90	C	40

\*All working pressures & vacuum ratings are recommended @ 20°C (70°F).

WTP

## NL2035 - Yellow / Black Hi-Vac Suction

Genuine "Hi-Vac" is a unique suction hose for water (not for food grade applications), chemicals (call for resistance table), sanitary uses (cesspool or truck), light material vacuum, or other liquid suction applications requiring a crushproof hose (it springs back to shape when run over). It is not recommended for petroleum solvents, abrasive material transfer or as a discharge hose. This is a surprisingly tough, resilient hose that is very flexible, easily dragged, resistant to external wear, and easily handled even at -400 temperatures. All lengths come complete with permanently attached/bonded cuffs which will accommodate insert fittings. Hi-Vac is not to be confused with a similar hose on the market called "Tiger-Tail", they are different products with the Hi-Vac being a more robust construction.



**Temperature Range:** -46°C (-50°F) to +66°C (150°F)

**Construction:** Interior: Smooth, yellow polyethylene compound. Exterior: Corrugated, yellow/black polyethylene compound.

**Typical Fittings:** Attached N2035 vacuum cuffs are mandatory in order to clamp insert fittings, such as camlocks, combination nipples, or other barbed insert fittings. Replacement cuffs are available.

Hose Size	Length	Part #	Ends	Weight	Stk
3"	20 ft	A2035300X20-02	C X MNPT	35.0	P
3	3	A2035300X03-SG	Cuffs w/ Rope	6.1	P

Z01



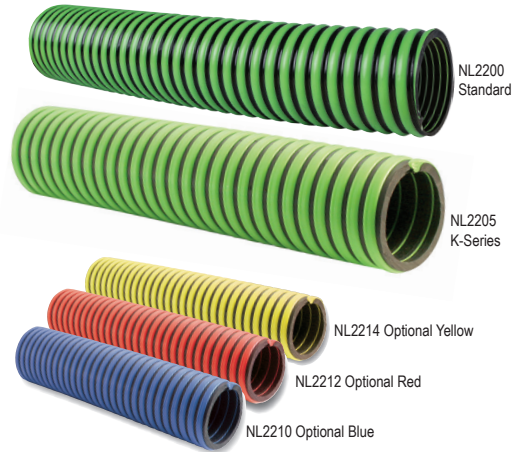




NL2200 is commonly used in agricultural, construction, and mining applications for water, light sludge, effluents or other liquids where chemical and 'external' abrasion resistance is required (not designed for potable water or transfer of foodstuffs). It is a popular septic tank cleaning hose because it is lightweight, flexible and very easily handled (even at low temperatures). It is typically not designed for abrasive transfer. Its unique polyethylene helix reduces dragging friction and permits the hose to be manoeuvred on the ground easily.

We also offer the NL2205 K-Series brand for users who prefer a higher quality option. It is formulated/constructed differently for added flexibility, wider temperature range, and better performance characteristics in certain applications. You can tell them apart by the tube (NL2200 is solid black tube while the NL2205 has a black/green tube). It is also available in Blue/Black (NL2210), Red/Black (NL2212), or Yellow/Black (NL2214).

*\*This hose is not designed for permanent installation in piping systems, especially in short lengths for pump connectors, generators, chillers, HVAC units, or other applications where hard pipe, expansion joints, or stainless steel braided hoses are typically used.*



**Temperature Range:** NL2200 -35°C (-30°F) to +60°C (140°F); NL2205 -40°C (-40°F) to +71°C (160°F)

**Construction:** Tube: Smooth Black EPDM. Cover: Slightly corrugated green/blue/red polyethylene helix with black EPDM between.

**Typical Fittings:** Camlocks, N10 combination nipples, short shanks, strainers, punch clamps, various bolt clamps.

Inside Diameter	Part #	Outside Diameter	W. Pressure/ Vac. Rating*	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>Standard Green/Black</b>							
1"	NL2200-100	1.34"	50 psi / 29.8 in/Hg	4"	.23	C	100 ft
1-1/4"	NL2200-125	1.61"	50 / 29.8	5	.30	B	100
1-1/2"	NL2200-150	1.93"	50 / 29.8	6	.49	A	100
2"	NL2200-200	2.50"	50 / 29.8	9	.69	A	100
2-1/2"	NL2200-250	3.00"	50 / 29.8	11	.91	C	100
3"	NL2200-300	3.65"	43 / 29.8	12	1.21	A	100
4"	NL2200-400	4.67"	38 / 29.8	16	1.83	A	100
6"	NL2200-600	6.86"	23 / 28	27	3.84	B	100
<b>K-Series Green/Black</b>							
1"	NL2205-100	1.40"	65 psi / 28 in/Hg	2"	.28	C	100 ft
1-1/4"	NL2205-125	1.63"	60 / 28	3	.33	N	100
1-1/2"	NL2205-150	1.84"	50 / 28	3	.40	C	100
2"	NL2205-200	2.50"	50 / 28	5	.67	B	100
2-1/2"	NL2205-250	3.07"	45 / 28	5.5	.95	N	100
3"	NL2205-300	3.60"	45 / 28	7	1.14	B	100
4"	NL2205-400	4.70"	40 / 28	11	1.84	B	100
6"	NL2205-600	6.80"	30 / 28	20	3.07	C	100
<b>K-Series Blue/Black</b>							
2"	NL2210-200	2.51"	50 psi / Full in/Hg	5"	.67	B	100 ft
3"	NL2210-300	3.60"	45 / Full	7	1.14	B	100
4"	NL2210-400	4.70"	40 / Full	11	1.84	B	100
6"	NL2210-600	6.85"	30 / 28	20	3.07	C	100

\*All working pressures & vacuum ratings are recommended @ 20°C (70°F).

Hose Size	Length*	Part #	Ends	Weight (lbs/10ft)	Stk
<b>Female 'C' Camlock x Male NPT</b>					
1-1/2"	20 ft	A2200150X20-02	C x MNPT	11.1	P
2"	20	A2200200X20-02	C x MNPT	17.8	C
3"	20	A2200300X20-02	C x MNPT	29.0	C
4"	20	A2200300X20-02	C x MNPT	44.8	P
6"	20	A2200400X20-02	C x MNPT	73.4	P
<b>Female 'C' Camlock x Male 'E' Camlock</b>					
1-1/2"	20 ft	A2200150X20-01	C x E	10.5	P
2"	20	A2200200X20-01	C x E	17.0	C
3"	20	A2200300X20-01	C x E	28.0	C
4"	20	A2200400X20-01	C x E	44.0	C
6"	20	A2200600X20-01	C x E	88.0	P
<b>Female NPSM x Male NPT</b>					
1-1/2"	20 ft	A2200150X20-NPS	NPSM	10.3	P
2"	20	A2200200X20-NPS	NPSM	16.8	P
3"	20	A2200300S20-NPS	NPSM	27.8	P

\*Any "non-stock" lengths can be coupled from our bulk inventory.

Z01



Our Contractors Water Suction hose is suitable for heavy duty, rugged applications where more economical PVC hoses will not stand up, such as in heavy construction, irrigation, mining, and de-watering. Its rubber construction provides excellent resistance to cutting, gouging, and weathering. It is **not designed** for food grade applications, high volume water transfer, pressure pumping water over a distance, or continuous heated applications such as glycol transfer. NL2120 has been traditionally classified as a 'suction hose', but it is also used for discharge where the hose must retain its shape. Most 'water' hoses are not designed for "critical" water applications (such as on permanently installed pumps), as water hoses typically only have a 3:1 safety factor and will fail in pressure or surge applications over time. For critical water suction or discharge applications we recommend using a petroleum or chemical hoses with higher safety factors (hoses up to 250-400-500-600 psi available).



*\*This hose is not designed for heated glycol or permanent installation in piping systems, especially in short lengths for pump connectors, generators, chillers, HVAC units, or other applications where hard pipe, expansion joints, or stainless steel braided hoses are typically used*

**Temperature Range:** -30°C (-22°F) to +85°C (185°F)

**Construction:** Tube: Black SBR rubber blend. Cover: Smooth, black SBR rubber blend. Reinforcement: Rigid steel wire helix embedded between layers of synthetic textile cords.

**Typical Fittings:** Camlocks, N10/N10GY combination nipples, short shanks, strainers, punch clamps, various bolt clamps, strapping.

Inside Diameter	Part #	Outside Diameter	W. Pressure/ Vac. Rating*	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length***
1"	NL2120-100	1.38"	150 psi / Full in/Hg	4"	.50	C	100/200 ft
1-1/4"	NL2120-125	1.65	150 / Full	5	.61	C	100/200
1-1/2"	NL2120-150	1.95	150 / Full	6	.75	B	100/200
2"	NL2120-200	2.48	150 / Full	8	1.00	A	100/200
2-1/2"	NL2120-250	3.02	150 / Full	10	1.35	C	100/200
3"	NL2120-300	3.46	150 / Full	12	1.75	A	100/200
4"	NL2120-400	4.57	150 / Full	16	2.50	A	100/200
5"	NL2120-500	5.69	150 / Full	23	4.15	C	100/200
6"	NL2120-600	6.75	150 / Full	27	5.90	B	100/200
8"	NL2120-800	9.25	150 / Full	40	9.85	B	20/40
10"	NL2120-1000	11.00	75-150 / 28**	50	13.50	C	20/40
12"	NL2120-1200	13.15	75-150 / 28**	60	16.80	C	20/40

\*All working pressures & vacuum ratings are recommended @ 20°C (70°F); \*\*10" & 12" pressures depend on current stock. Higher pressure hoses available, such as petroleum, oilfield, concrete, and chemical hoses rated to 250-600 PSI. \*\*\*Lengths to 400' available on request.

**WTR**

Hose Size	Length*	Part #	Ends	Weight (lbs/lnth)	Stk
<b>Female 'C' Camlock x Male NPT - Band Clamps</b>					
1-1/2"	20 ft	A2120150X20-02	C x MNPT	20.3	P
2"	20	A2120200X20-02	C x MNPT	29.0	C
3"	20	A2120300X20-02	C x MNPT	51.2	P
4"	20	A2120400X20-02	C x MNPT	86.8	P
6"	20	A2120600X20-02	C x MNPT	139.3	P
<b>Female NPSM x Male NPT - Band Clamps</b>					
1-1/2"	20 ft	A2120150X20-NPS	NPSM	20.1	P
2"	20	A2120200X20-NPS	NPSM	28.8	P
3"	20	A2120300X20-NPS	NPSM	51.0	P
<b>Vic Groove x Groove - Band Clamps</b>					
3"	20 ft	A2120300X20-VG	Grooved	43.0	P
4"	20	A2120400X20-VG	Grooved	64.0	P
6"	20	A2120600X20-VG	Grooved	153.0	P
8"	20	A2120800X20-VG	Grooved	258.0	P
10"	20	A21201000X20-VG	Grooved	358.0	P
<b>Vic Groove x Groove - Crimp Sleeves</b>					
3"	20 ft	A2120300X20-VGC	Grooved	44.0	P
4"	20	A2120400X20-VGC	Grooved	65.0	P
6"	20	A2120600X20-VGC	Grooved	155.0	P
8"	20	A2120800X20-VGC	Grooved	260.0	P
10"	20	A21201000X20-VGC	Grooved	360.0	P

\*Any "non-stock" lengths can be coupled from our bulk inventory.

**Z01**



Assembly part numbers also available with male x female camlocks (suffix -01) or crimp sleeves (suffix -01C).





Our popular NL2005/NL2006 (NL2004 Generic) can be used as a premium layflat water discharge hose or as a petroleum waste discharge hose (NOT for use with air or for food grade applications). It combines the light, compact features of PVC with the heat and abrasion resistance of rubber. Its ribbed cover reduces dragging friction and resists abrasion, gouging, oil, and weathering. This hose is popular in applications where users consider all around value and ease of handling, however it is NOT designed for the rigours (pressures, pulsating, elongation, forces, abrasion, etc.) of extremely long, continuous applications such as high volume water pipeline transfer (miles or kilometres). It is also ideal for oil spill cleanup (not gasoline) and oil contaminated water, but is NOT recommended for petroleum products having aromatic contents over 30%, or any critical applications with petrochemical fluids. NL2005/ NL2006 are also now available in long continuous lengths of (suffix X300 or 660).



**Temperature Range:** -30°C (-22°F) to +80°C (176°F)

**Construction:** Circular polyester yarn, embedded in a black nitrile/PVC blend rubber.

**Typical Fittings:** Camlocks, short shanks, forestry or fire expansion ends (1-1/2" - 2-1/2"), punch clamps, crimp sleeves.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)*	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length**
<b>Generic</b>							
1-1/2"	NL2004-150	1.58"	300 psi	2.5"	.24	C	50/100/300/660 ft
2"	NL2004-200	2.15	300	3.5	.26	B	50/100/300/660
2-1/2"	NL2004-250	2.66	250	4.0	.32	C	50/100/300/660
3"	NL2004-300	3.10	250	5.0	.44	B	50/100/300/660
4"	NL2004-400	4.13	200	6.5	.80	B	50/100/300/660
6"	NL2004-600	6.23	200	9.5	1.10	B	50/100/300/660
8"	NL2004-800	8.01	150	12.8	1.91	C	50/100/300/660
<b>Standard</b>							
1-1/2"	NL2005-150	1.66"	200 psi	2.5"	.21	A	50/100/300/660 ft
2"	NL2005-200	2.16	200	3.5	.30	A	50/100/300/660
2-1/2"	NL2005-250	2.66	200	4.0	.37	C	50/100/300/660
3"	NL2005-300	3.20	200	5.0	.48	A	50/100/300/660
4"	NL2005-400	4.25	200	6.5	.67	A	50/100/300/660
6"	NL2005-600	6.25	200	9.5	1.20	B	50/100/300/660
8"	NL2005-800	8.25	200	12.8	1.48	B	50/100/300/660
<b>High Pressure (Large Bore/ID)</b>							
8"	NL2006-800 / A2006	8.39"	200 psi	-	2.50	C	50/100/300/660 ft
10"	NL2006-1000 / A2006	10.39	175-200*	-	3.00	C	50/100/300/660
12"	NL2006-1200	12.39	175-200*	-	4.30	N	50/100/300/660

\*PSI ratings may vary depending on current stock. \*\*For 300/660 lengths, use X300/660 as a suffix.

WTQ

Hose Size	Length*	Part #	Ends	Weight (lbs/length)	Stk
<b>Generic Female 'C' Camlock x Male 'E' Camlock</b>					
1-1/2"	50 ft	A2004150X50-01	C x E	11.6	C
2"	50	A2004200X50-01	C x E	16.6	C
2-1/2"	50	A2004250X50-01	C x E	20.5	P
3"	50	A2004300X50-01	C x E	27.2	C
4"	50	A2004400X50-01	C x E	39.5	C
6"	50	A2004600X50-01	C x E	71.7	C
<b>Female 'C' Camlock x Male 'E' Camlock</b>					
1-1/2"	25 ft	A2005150X25-01	C x E	6.1	C
1-1/2"	50	A2005150X50-01	C x E	11.6	C
2"	25	A2005200X25-01	C x E	9.2	C
2"	50	A2005200X50-01	C x E	16.6	C
2-1/2"	50	A2005250X50-01	C x E	20.5	P
3"	50	A2005300X50-01	C x E	27.2	C
4"	50	A2005400X50-01	C x E	39.5	C
6"	50	A2005600X50-01	C x E	71.7	C
<b>*Female 'C' Camlock x Male 'E' Camlock Crimped</b>					
4"	50 ft	A2005400X50-01C	C x E	41.0	P
4"	100	A2005400X100-01C	C x E	74.5	P
6"	50	A2005600X50-01C	C x E	75.0	P
6"	100	A2005600X100-01C	C x E	135.0	P
<b>*Female NPSM x Male NPT</b>					
1-1/2"	50 ft	A2005150X50-NPS	NPSM	11.9	P
2"	50	A2005200X50-NPS	NPSM	17.1	P
3"	50	A2005300X50-NPS	NPSM	27.9	P

\*Substitute A2004 for generic version.

Z01D





# Pressure Washer Application Chart

3

Pressure Washer Hose

	General Purpose	Abrasion Resistant	Heat Resistant	Oil/Animal Fat Resistant	Steam Cleaning	Temperature Rating
NL705 / 707 PowerWash	✓	✓	✓	✓		-29°C (-20°F) to 121°C (250°F)
NL700 / 710 PowerWash	✓	✓	✓	✓		-29°C (-20°F) to 121°C (250°F)
NL711 PowerWash 6000	✓	✓	✓	✓		-29°C (-20°F) to 121°C (250°F)
NL715 Yellow Gauntlet	✓✓	✓✓	✓	✓		-29°C (-20°F) to 121°C (250°F)
NL720 Whitewater Steam		✓	✓✓	✓✓	✓✓	-29°C (-20°F) to 163°C (325°F)*

✓ = Moderate to Good Resistance. ✓✓ = Best in Class, this is the highest rate product for the specified application.  
 \*Temperature rating for NL720 is based on steam cleaning applications.

## NL705 & NL707 - Blue PowerWash 3000 & PowerWash 4000 Smooth Cover

This is a popular, smooth cover, lightweight hose specifically designed for use on pressure washer machines with working pressures up to 4000 psi (NL707), and temperatures up to +121°C (250°F). It is very flexible and has a 4:1 safety factor. Its tube and cover are specifically compounded to resist cleaning chemicals that can dry out hydraulic hoses and cause premature failure. Its tube and cover are resistant to heat, oil (RMA Class B), and abrasion. The 'smooth' cover also allows it to be wiped down easily. Popular assemblies are listed below; other assemblies can be made up from our bulk stock. The NL705 Conti 1/4" size is also commonly used in the carpet cleaning industry to transfer hot water and additives to the wand; the wire braiding provides extra kink resistance at high temperatures and provides added coupling retention. **Note:** Although blue pressure washer hose is popular, it should be noted that the 'blue' colour could mark surfaces, especially when hose is new and more so with economical/generic brands; we recommend NL703/A703 Grey for natural colour surfaces, or NL715/A715 Conti Gauntlet with a Carbryn yellow cover.



Complete turnkey hose reel packages available upon request. 3/8" x 50 FT Reel Shown (A70706X50-95-PW134)

**Temperature Range:** -29°C (-20°F) to +121°C (250°F)

**Construction:** Tube: Smooth, black nitrile rubber. Cover: Smooth, blue nitrile rubber (see Note).

**Reinforcement:** One wire braid.

**Typical Fittings:** N603xx Series permanent crimp fittings, NL730 & NL735 bend restrictors, CST & CPST quick connects.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>PowerWash 3000# (Made in USA)</b>							
1/4"	NL705-04	.52"	3000 psi	-	.16	A	500 ft Reel
3/8"	NL705-06	.69	3000	-	.24	A	500
1/2"	NL705-08	.82	3000	-	.32	C	500
<b>PowerWash 4000# (Generic - see Note)</b>							
1/4"	NL707-04	.48"	4000 psi	-	.12	B	500 ft Reel
3/8"	NL707-06	.64	4000	-	.19	A	500

WSR

Hose Size	Length	Part #*	Ends	Weight	Stk
<b>Solid x Swivel Ends</b>					
1/4"	25 ft	A70_04X25-95	Solid x Swivel	4.5	P
	50	A70_04X50-95	Solid x Swivel	8.5	B
	75	A70_04X75-95	Solid x Swivel	12.5	P
	100	A70_04X100-95	Solid x Swivel	16.5	C
3/8"	25	A70_06X25-95	Solid x Swivel	6.8	B
	30	A70_06X30-95	Solid x Swivel	7.9	P
	50	A70_06X50-95	Solid x Swivel	12.8	A
	75	A70_06X75-95	Solid x Swivel	18.8	P
1/2"	100	A70_06X100-95	Solid x Swivel	24.8	C
	50	A70_08X50-95	Solid x Swivel	17.0	P
<b>Quick Disconnect Couplings (CST &amp; CPST)</b>					
3/8"	25 ft	A70_06X25-95C	QD's	7.0	C
	50	A70_06X50-95C	QD's	13.0	C
	75	A70_06X75-95C	QD's	19.0	P
	100	A70_06X100-95C	QD's	25.0	C

\*Replace "\_" with 5 for 3000 PSI or a 7 for 4000 PSI.

Z03



### Standard End Configurations:



5

Industry Flows Through Us  
© 2021 New-Line Hose & Fittings



Refer to the Technical Section on the selection, installation, use and maintenance of hose & fittings prior to use.  
NEW-LINE.COM

A = Very Common Item - Good Stock B = Common Item - Moderate Stock  
C = Less Common Item P = Production N = Check for Availability





NL700 (smooth cover) and NL710 (smooth cover) are single wire braided hoses designed for working pressures up to 4000 psi and temperatures up to +121°C (250°F). The NL700 is a smooth generic hose that is our most affordable pressure washer hose 3:1 safety factor while the NL710 has a 'smooth' cover and a 4:1 safety factor. Both have a tube and cover that are specifically compounded to resist cleaning chemicals that can dry out hydraulic hoses and cause premature failure. The tube and cover are also resistant to heat, oil (RMA Class B), and abrasion. Popular assemblies are listed below; any non-stock assemblies can be made up from bulk inventory.



**Temperature Range:** -29°C (-20°F) to +121°C (250°F)

**Construction:** Tube: Smooth made in USA (NL710) or smooth generic (NL700), black synthetic rubber;

also available in grey (NL703 / A703) Cover: Smooth, black synthetic rubber. Reinforcement: One wire braid (1/2" size has 2 wire braid).

**Typical Fittings:** N603xx Series crimp fittings, NL730 & NL735 bend restrictors, CST & CPST quick connects.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>Smooth Cover (Generic)</b>							
3/8"	NL700-06	0.65"	4000 psi	-	.19	C	300 ft Coil
1/2"	NL700-08	0.81"	4000	-	.24	C	300
<b>Smooth Cover (Made in USA)</b>							
3/8"	NL710-06	0.69"	4000 psi	-	.27	B	500 ft Reel
1/2"	NL710-08	0.82"	4500	-	.36	C	500
<b>Grey Scuff Resistant</b>							
1/4"	NL703-04	0.48"	4000 psi	-	.12	C	300 ft Coil
3/8"	NL703-06	0.64"	4000	-	.19	C	300

3 Pressure Washer Hose

Hose Size	Length	Part #	Ends	Weight	Stk
<b>Black Generic - Solid x Swivel Ends</b>					
3/8"	25 ft	A70006X25-95	Solid x Swivel	7.5	C
	50	A70006X50-95	Solid x Swivel	14.3	B
	75	A70006X75-95	Solid x Swivel	21.0	C
	100	A70006X100-95	Solid x Swivel	28.0	C
<b>Black Generic - Quick Disconnect Couplings (CST &amp; CPST)</b>					
3/8"	25 ft	A70006X25-95C	QD's	7.0	P
	50	A70006X50-95C	QD's	13.0	P
	100	A70006X100-95C	QD's	25.0	P
<b>Black (Made in USA) - Solid x Swivel Ends</b>					
3/8"	25 ft	A71006X25-95	Solid x Swivel	7.5	P
	50	A71006X50-95	Solid x Swivel	14.3	B
	75	A71006X75-95	Solid x Swivel	21.0	P
	100	A71006X100-95	Solid x Swivel	28.0	P
1/2"	50 ft	A71008X50-95	Solid x Swivel	19.0	P
	100	A71008X100-95	Solid x Swivel	37.0	P
<b>Black (Made in USA) - Quick Disconnect Couplings (CST &amp; CPST)</b>					
3/8"	25 ft	A71006X25-95C	QD's	7.0	C
	50	A71006X50-95C	QD's	13.0	C
	100	A71006X100-95C	QD's	25.0	C
<b>Grey Scuff Resistant - Solid x Swivel Ends</b>					
3/8"	25 ft	A70306X25-95	Solid x Swivel	-	C
	50	A70306X50-95	Solid x Swivel	-	C
	100	A70306X100-95	Solid x Swivel	-	C
<b>Grey Scuff Resistant - Quick Disconnect Couplings (CST &amp; CPST)</b>					
3/8"	25 ft	A70306X25-95C	QD's	1.18	P
	50	A70306X50-95C	QD's	1.21	P
	100	A70306X100-95C	QD's	1.21	P



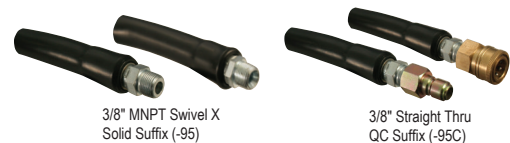
A700 Smooth Cover

A710 Smooth Cover



A703 Scuff Resistant


### Standard End Configurations:



3/8" MNPT Swivel X Solid Suffix (-95)

3/8" Straight Thru QC Suffix (-95C)

**Did You KNOW?**



**We offer 'Turnkey' crimper packages for small shop & pressure washer hose repairs!**





NL720 is designed for use on either steam cleaner machines or a combination of steam cleaner/pressure washer machines. Its tube compound has been re formulated for improved fitting retention and better durability in hot & cold water impulse applications. It will handle steam up to 325°F @ 350 psi with a safety factor in excess of 10:1. It will also handle hot water up to 250°F @ 300° psi with a 4:1 safety factor. Its tube and cover are resistant to the chemicals used in the pressure washing and steam cleaning markets. Popular assemblies are listed below; any non-stock assemblies can be made up from our bulk inventory.



### 3

### Pressure Washer Hose

**Temperature Range:** -40°C (-40°F) to +121°C (250°F) for water and up to +163°C (325°F) steam cleaner applications.

**Construction:** Tube: Black Pyrosyn rubber (RMA Class C). Cover: Smooth, black Hysunite rubber (RMA Class B). Reinforcement: One wire braid

**Typical Fittings:** 1AA Series permanent "through-the-cover" crimp fittings (DO NOT use male NPT swivel ends as the steam will degrade the O-ring and eventually leak), NL735 bend restrictors or rubber heater/radiator hose (NL730 may soften under high temperatures), CST & CPST quick connects (for pressure washer only, not steam cleaning), B16/17 steam QC's. Please Note: Cover must be skived to obtain proper coupling integrity if using economical or light duty "compression" style crimp fittings.

Inside Diameter	Part #	Outside Diameter	W. Pressure (70°F Water)*	Steam Service	Weight (lbs/ft)	Stk	Bulk Length
3/8"	NL720-06	.69"	3000 psi	350 psi	.23	A	500 ft
1/2"	NL720-08	.83"	2500	350	.31	B	500

\*For steam cleaner applications maximum pressure is 350 PSI.

Hose Size	Length	Part #	Ends	Weight	Stk
3/8"	50 ft	A72006X50-94	Solid x E/E	12.0	B
	100	A72006X100-94	Solid x E/E	23.5	P
1/2"	50	A72008X50-94	Solid x E/E	15.5	P
	100	A72008X100-94	Solid x E/E	30.0	P

Z03



When assembling make sure bend restrictors are fully pushed over the crimp shell.

Did You KNOW?

## We supply a full line of Pressure Washer & Waterblast products!







This is for high pressure cleaning of sewer pipes, drain pipes, or municipal drains. It is available in long-length, continuous reels and comes with crimped-on male NPT solid ends. Its thick urethane cover is resistant to abrasion, punctures, tears, and friction - whereas more economical brands will break down prematurely. Its unique construction permits easy handling and high kink resistance. For the larger sizes, we also offer a BRUISER "Whip" hose (1" x 10ft - listed below) that can be attached to the end of the line in order to take the abuse typically applied to the first 10ft of line.

**Temperature Range: NL9150/NL9152:** -40°C (-40°F) to +55°C (131°F)

**NL9169/9170:** -40°C (-40°F) to +66°C (+150°F)

**NL9140:** -40°C (-40°F) to +70°C (158°F)

**High Temp NL9141 Thermo:** -40°C (-40°F) to +87°C (190°F).

**Construction:** Tube: Smooth, thermoplastic elastomer blend.

Cover: Smooth, abrasion resistant, 0.05" thick urethane (industries standard colours are orange for 2500 psi, blue for 3000 psi, and black for 1/2" 4000 psi). Reinforcement: One or two braids of high strength synthetic fibre.

**Typical Fittings:** Brand specific. N927xx Permanent crimp/swage fittings.



NL9150 Standard Orange  
NL9169 Piranha  
NL9170 Armor Belt



NL9152 Blue



NL9140 Standard Green  
NL9141 High Temp



Use of BRUISER "Whip Hoses" (1" x 10ft) prolong the service life of your large diameter sewer cleaning hose!



NL9150 3/4" to 1-1/4" supplied on wooden reels

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)*	Min. Burst Pressure	Bend Radius	Min Kink	Weight (lbs/ft)	Stk	Standard Length
<b>Standard Orange 2500# (Meets NSWMA)</b>									
3/4"	NL9150-075xLgth	1.15"	2500 psi	6250 psi	5"	4"	.27	N	600 ft
1"	NL9150-100xLgth	1.46	2500	6250	6	5	.36	C	600 / 800
1-1/4"	NL9150-125xLgth	1.79	2500	6250	9	8	.58	N	500
<b>Premium Piranha Orange 2500# (Meets NSWMA)</b>									
1"	NL9169-100xLgth	1.46"	2500 psi	6250 psi	6"	5"	.40	C	600 ft
1"	NL9170-100xLgth*	1.55	2500	6250	6	5	.50	N	600
<b>Blue 3000# (Meets NSWMA)</b>									
3/4"	NL9152-075xLgth	1.19"	3000 psi	7500 psi	5"	4"	.29	N	600 ft
1"	NL9152-100xLgth	1.46	3000	7500	6	5	.36	C	600
<b>Standard Green 4000# (Small I.D.)**</b>									
1/8"	NL9140-013xLgth	.31"	4000 psi	10,000 psi	1.2"	0.50"	.03	C	100/300/500 ft
1/4"	NL9140-025xLgth	.51	4000	10,000	2.0	1.25	.07	C	100/300/500
3/8"	NL9140-038xLgth	.72	4000	10,000	2.5	2.00	.11	C	100/300/500
1/2"	NL9140-050xLgth	.81	4000	10,000	3.0	3.00	.15	C	100/300/500
<b>BRUISER "Whip" Hose (Rubber)</b>									
1" x 10'	AFC73516C16MP-120C		2500 psi	10,000 psi	6"	-	.72	C	10 ft

\*Armour Belt. \*\*High temperature version to 190°F available (NL9141).

SWR

**Field Repair Equipment (For 3/4" to 1-1/4" Hose ID)**

015

- FT1284 Swage Assembly Tool (Pusher & dies sold separately)
- FT1284-150-XX Hose pusher (XX specifies hose I.D. size)
- FT1284-50-XX\* Yoke for crimping menders (XX specifies hose I.D. size)
- FT1284-100-XX Dies for NL9150 & NL9152 (FC701/FC702) Hose

**Swage Crimp Field Repair Hose Fittings**

039

- FJ9373-1212S 3/4" hose crimp/swage mender for NL9150 only
- FJ5021-1212S 3/4" hose crimp/swage mender for NL9152 only
- FJ7938-1616S 1" hose crimp/swage mender
- FJ9373-2020S 1-1/4" hose crimp/swage mender
- N92711-04-04 #02 stem/ferrule crimp x 1/4" male NPT for NL9140
- N92711-06-06 #06 stem/ferrule crimp x 3/8" male NPT for NL9140
- N92711-08-08 #08 stem/ferrule crimp x 1/2" male NPT for NL9140
- N92711-16-16 #16 stem/ferrule crimp x 1" male NPT for NL9150-100X600

\*2 die sets required for assembly of the swage mender when using FT1284.



Complete Sewer Flushing Repair Kit

**Did You KNOW?**

**We offer 'Drain Cleaning' reels with caddy mounts.**



**For more information:**

Reels & Handling Equipment Section - pg. 44



**Industry Flows Through Us**



NL3010 is a standard duty, cost effective petroleum transfer hose where the hose will not be subject to excessive abuse, dragging, or continuous service/handling. Its nitrile rubber will resist gasoline, kerosene, diesel (not recommended for Biodiesel at this time), hydraulic fluids, hydrocarbons, fats, greases, animal/vegetable oils, hot/cold water (not food grade), and other petroleum based fluids or wastes with low aromatic content. It can be used for bulk transfer or for general in-plant applications (NOT designed for reel applications as it has a wire helix). This hose is NOT designed for marine applications for more aggressive applications or critical service/use, refer to our NL3020 or other specialty petroleum transfer hoses. For short lengths (i.e. 3ft) or permanent installations where the hose cannot be inspected or tested at regular intervals consider using a Stainless Steel braided hose. *For ordering popular assemblies refer to A3010 part numbers.*



Complete Assemblies  
Also Available



4

Petroleum Transfer

**Temperature Range:** -30°C (-22°F) to +91°C (195°F)

**Construction:** Tube: Smooth, black nitrile. Cover: Wrapped, smooth, black nitrile blend. Reinforcement: Wire helix between synthetic textile plies and static wire.

**Typical Fittings:** Permanent crimp fittings, camlocks, ferrules/sleeves, combination nipples (oil return only, do not use steel with gasoline), testing & certification; for higher pressure NL3011, refer to W10-CS-xxxx or W10XH-CS-xxxx Swage.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)*	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>Standard 150 psi</b>							
3/4"	NL3010-075	1.14"	150 psi	3"	.50	B	100/200 ft
1"	NL3010-100	1.42	150	4	.60	B	100/200
1-1/4"	NL3010-125	1.69	150	6	.67	A	100/200
1-1/2"	NL3010-150	1.93	150	7	.81	A	100/200
2"	NL3010-200	2.48	150	8	1.18	A	100/200
2-1/2"	NL3010-250	2.99	150	10	1.48	C	100/200
3"	NL3010-300	3.54	150	12	1.98	A	100/200
4"	NL3010-400	4.65	150	18	3.01	B	100/200
5"	NL3010-500	5.72	150	28	4.20	C	100/200
6"	NL3010-600	6.77	150	36	5.58	C	100/200
8"	NL3010-800	8.85	150	42	7.30	C	20/40
10"	NL3010-1000	10.9	150	51	9.10	N	20/40
<b>300 psi</b>							
1-1/2"	NL3011-150	1.98"	300 psi	8"	.85	C	100/200 ft
2"	NL3011-200	2.62	300	9	1.23	C	100/200
3"	NL3011-300	3.67	300	14	2.08	C	100/200
4"	NL3011-400	4.71	300	20	3.16	C	100/200
6"	NL3011-600	6.91	300	40	5.85	C	100/200
8"	NL3011-800	8.94	300	46	7.67	N	20/40
10"	NL3011-1000	11.41	300	60	9.55	N	20/40

\*For higher working pressures, special Swage Couplings are required (W10-CS-xxxx or W10XH-CS-xxxx).

**PTR, Z15**







NL3310 Tigerflex TDH & NL3315 are uniquely designed gasoline drop hoses designed to handle gasoline/fuel blends with MTBE's, methanol, ethanol (up to E98), toluene, naphthas, kerosene, benzene, biodiesel (up to B100) and MEK without degradation (aromatic content not to exceed 50%). They have a translucent wall to permit visible confirmation of flow (also available in non-translucent black wall Tigerflex TDHBK). Their urethane construction creates a lightweight, flexible, and easily handled hose, even at temperature as low as -40°C (-40°F). This hose is also resistant to flex-fatigue and cracking (which is commonly seen in the transitional area of rubber hoses).

The N3311 (left hand) & N3301 (right hand) spring sleeves are used to fill the corrugation when attaching with crimp sleeves or band clamps. Banding sleeve can replace the coil when using band clamps and also relieves the bending stress at the fitting.

NL3315 is a generic unbranded product that delivers quality and economy. It offers a lower price point alternative to higher end brand name products and is designed to compete with lower cost alternatives being introduced to the market.

**Note: These hoses are designed for drop hose applications only and are not designed to have fuel permanently left in the hose, it must be drained after each use. For ordering popular assemblies refer to A3310 part numbers.**



**Temperature Range:** NL3310 -54°C (-65°F) to +65°C (+150°F) / NL3315 -40°C (-40°F) to +65°C (+150°F)

**Construction:** Tube: Clear polyurethane. Cover: Clear urethane between a corrugated PVC helix. Reinforcement: Polyester fabric with an embedded copper static wire and a green PVC helix (**Note:** NL3310 has left-hand / counter-clockwise helix and NL3315 has a right-hand / counter-clockwise helix).

**Typical Fittings:** Aluminum camlocks, crimp sleeves w/coil, strapping/sleeve for field repairs, tank truck accessories.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b><i>Tigerflex TDH (Left-Hand Helix - Counter Clockwise) - Low Temp Down to -54°C (-65°F)</i></b>							
2"	NL3310-200	2.70"	65 psi	6"	1.83	C	100 ft
3	NL3310-300	3.70	65	6	1.83	C	100
4	NL3310-400	4.82	65	8	2.39	B	100
<b><i>Generic (Right-Hand Helix - Clockwise) - Low Temp Down to -40°C (-40°F)</i></b>							
2"	NL3315-200	2.50"	65 psi	5"	1.07	N	100 ft
3	NL3315-300	3.50	65	5	1.07	C	100
4	NL3315-400	4.72	65	7	1.73	B	100
<b><i>Banding Coil (Left-Hand - Counter Clockwise)</i></b>							
2"	NL3311-200	-	-	-	0.70/pc	C	6" pc
3	NL3311-300	-	-	-	0.91/pc	C	6
4	NL3311-400	-	-	-	1.32/pc	B	6
<b><i>Banding Coil (Right-Hand - Clockwise)</i></b>							
2"	NL3301-200	-	-	-	1.16	C	3 ft
3	NL3301-300	-	-	-	1.16	B	3
4	NL3301-400	-	-	-	1.76	B	3
<b><i>Banding Sleeve (Left-Hand - Counter Clockwise)</i></b>							
4"	NL3310-400	-	-	-	1.59	C	3 ft

**PTR**





NL3325  
Standard Infinity



NL3327  
Heavy Duty  
Higher Pressure  
Infinity HD

Supplied with 2  
anti-static wires which  
must be grounded to  
couplings



NL3325 ContiTech Infinity is light in weight and offers a unique dual PVC external helix for superior flexibility - it has 3 times lower force to bend, improved abrasion resistance, and low coefficient of friction when dragged. Unlike some other drop hoses on the market, Infinity is suitable for regular use of biodiesel and ethanol blends, as well as gasoline and other petroleum based products with a maximum aromatic content of up to 60%. It is highly resistant to ozone, abrasion and weathering. All sizes come with a static wire for grounding. The banding coils are used for ease of installing "banded clamps" and to relieve bending stress at the fitting. Infinity is also available in a higher pressure version (NL3327) or a low-temp version (NL3326) for improved cold weather capabilities. *For ordering popular assemblies refer to A3325 part numbers.*

4

Petroleum Transfer

**Temperature Range:** -34°C (-30°F) to +71°C (+160°F)

**Construction:** Tube: Black nitrile synthetic rubber (static dissipating / static conductive). Cover: Dual Corrugated left-hand (counterclockwise) orange & green Pliovic helix with black nitrile rubber blend between. Reinforcement: Polyester fabric with 2 embedded static wires.

**Typical Fittings:** Aluminum camlocks, crimp sleeves w/coil, strapping/sleeve for field repairs, tank truck accessories.

Inside Diameter	Part #	Outside Diameter	W. Pressure Vacuum Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>Standard Infinity</b>							
2"	NL3325-200	2.80"	150 psi / 23 in/Hg	1.5"	1.02	C	100/200/400 ft
3"	NL3325-300	3.80"	100 / 23	2.0	1.46	B	100/200/400
4"	NL3325-400	4.80"	75 / 23	2.5	1.73	B	100/200/400
<b>Heavy Duty, Higher Pressure Infinity HD</b>							
3"	NL3327-300	2.00"	150 / 23	2.0"	1.48	C	100 ft
4"	NL3327-400	3.00"	150 / 23	3.0	2.01	C	100
<b>White Banding Coil</b>							
2"	NL3301-200	-	-	-	0.68	C	3 ft
3"	NL3301-300	-	-	-	1.16	B	3
4"	NL3301-400	-	-	-	1.76	B	3

\*All working pressures & vacuum ratings are recommended at 20°C (70°F).

PTR, Z15

**NEW**

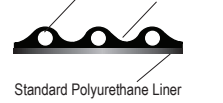
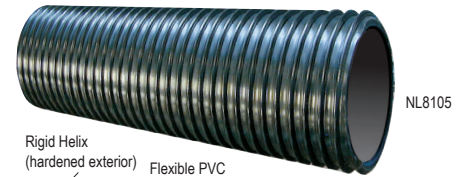
**TrackAssure** makes hose assembly asset tracking easy and inexpensive. We provide new hose assemblies with RFID Enabled Tags that sync to our Cloud based tracking system. Track a range of hose assemblies and data such as certification maintenance records, reports, alerts, in service dates, life cycles, locations and more.



NL8105 is a very flexible, lightweight hose designed for full vacuum or transfer of light abrasive materials (wet or dry) such as sand, stones, fly ash, metals, pellets, fertilizers, light slurries, bark, as well as various chemicals, waste, or water solutions (when used for wet materials spiral clamps must be used for proper sealing). It has a "hardened external PVC helix" that provides low dragging friction across concrete or rough surfaces and it has a polyurethane tube which is more durable than PVC - even at sub-zero temperatures. It is as light in weight as a PVC hose but provides the durability of a rubber hose (although it should be rotated during service). For highly abrasive products we recommend going with other products like our NL2100, NL8110, NL8155, etc.

NL8106 is a generic unbranded product that delivers quality and economy, it offers a lower price point alternative to higher end, proven brand name products and is designed to compete with lower cost alternatives being introduced to the market.

*\*Service life of material handling hoses may vary depending on the operating conditions, hours of use, and the product being conveyed. Always rotate the hose regularly for even wear and inspect the tube for degradation before use.*



**Temperature Range:** -40°C (-40°F) to +65°C (150°F)

**Construction:** Tube: Smooth, clear polyurethane, static-dissipating (conductive). Cover: Corrugated, black PVC hardened for lower dragging friction. Reinforcement: Rigid, left hand counter clockwise (NL8106) or right hand clockwise (NL8105) PVC helix.

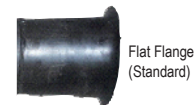
**Typical Fittings:** Insert type fittings can wear out prematurely with highly abrasive products; N676 left hand spiral clamps, N51 double bolt clamps. **Note:** Spiral clamps or strapping must be used for proper sealing with wet materials.

Inside Diameter	Part # (Urethane Thickness)	Outside Diameter	W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b><u>Tigerflex Ureflex-2 (Black Cover w/ Left Hand Helix - Counterclockwise)</u></b>							
2"	NL8105-200 (.7mm)	2.40"	45 psi / Full in/Hg	2"	.59	B	100 ft
2-1/2	NL8105-250 (.9)	3.07	40 / Full	4	.79	N	100
3	NL8105-300 (1.0)	3.64	40 / Full	4	.83	B	100
4	NL8105-400 (1.2)	4.76	40 / Full	6	1.37	A	100
5	NL8105-500 (1.2)	5.69	30 / 28	10	2.28	C	100
6	NL8105-600 (1.5)	6.81	30 / 28	12	3.10	B	100
<b><u>Generic Brand (Black Cover w/ Right Hand Helix - Clockwise)</u></b>							
2"	NL8106-200	2.40"	48 psi / 29 in/Hg	4"	.49	N	100 ft
2-1/2	NL8106-250	2.93	48 / 29	5	.68	N	100
3	NL8106-300	3.54	48 / 29	6	.96	N	100
4	NL8106-400	4.67	32 / 29	10	1.55	C	100
5	NL8106-500	5.69	28 / 28	11	2.53	C	100
6	NL8106-600	6.79	25 / 28	12	3.14	N	100
8	NL8106-800	9.10	20 / 28	16	5.62	N	100

MCK

## NHTEC - Hydro-Vac HDPE Dig Tubes

HDPE dig tubes are lightweight, high abrasion resistant hydro-vac tubes suitable for full vacuum of sand, gravel, sludge, and general sediments. These "sleeves" provide an option to traditional aluminum tubes. They come with a replaceable end that is bolted on to the tube. They are available in 6ft lengths (with optional extenders) and two types of end connections are available (standard "Flat Flange" as well as the "H-Lock" connection).



**Temperature Range:** -40°C (-40°C) to +60°C (140°F)

**Construction:** Tube: High Density Polyethylene hard pipe.

**Did You KNOW?**

**We offer Ripsaw Nozzles.**







# NL2100 - Lightweight Rubber Transfer

NL2100 is a lightweight, durable rubber hose that offers superior flexibility and a good "force-to-bend" radius over many other rubber and urethane material handling hoses on the market today. It has an "all rubber wall" which will gradually wear out providing more longevity, unlike urethane lined/tube hoses which can fail quickly once the relatively thin tube breaks down. As with many other material handling hoses, NL2100 is designed for the transfer of a variety of abrasive materials (wet or dry). It has a smooth, static-dissipative, SBR rubber tube which eliminates material build-up in the hose and provides electrical conductivity. Its cover is highly resistant to UV and weathering. Also available in Kanaflex 180AR brand (NL2105)



\*Service life of material handling hoses may vary depending on the operating conditions, hours of use, and the product being conveyed. Always rotate the hose regularly for even wear and inspect the tube for degradation before use.

**Temperature Range:** -40°C (-40°F) to +60°C (140°F)

**Construction:** Tube: Smooth SBR rubber. Cover: Corrugated SBR rubber. Reinforcement: Rigid, right hand (clockwise) PVC helix.

**Typical Fittings:** Insert type fittings can wear out prematurely with highly abrasive products; N675 right hand spiral clamps, N51 double bolt clamps. **Note:** Spiral clamps or strapping must be used for proper sealing with wet materials.

Inside Diameter	Part #	Outside Diameter	W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
2"	NL2100-200	2.35"	40 psi / 29.8 in/Hg	2.5"	0.5	N	100 ft
2-1/2"	NL2100-250	2.92"	35 / 29.8	2.5	0.9	C	100
3"	NL2100-300	3.50"	35 / 29.8	2.5	1.1	C	100
4"	NL2100-400	4.63"	30 / 29.8	4.5	1.8	B	100
5"	NL2100-500	5.63"	30 / 28	5.0	2.5	C	100
6"	NL2100-600	6.73"	30 / 28	9.2	3.2	B	100
8"	NL2100-800	9.04"	30 / 27	15	5.7	B	50 coil
8"	NL2100-800X20	9.04"	30 / 27	15	5.7	B	20 straight

MCH

5 Abrasive Material Handling

# NL8155 - Tan Bulkmaster Transfer

NL8155 has a highly abrasion-resistant gum rubber tube that makes this hose suitable to convey non-oily abrasive materials such as sand, gravel, limestone, rock dust, and fertilizers. It is also suitable to handle dry, abrasive products such as animal feed, sugar, corn, and grain (where static is not an issue). As a guide, when comparing this hose to "urethane tube/ lined" hoses, it is typically more durable but is heavier and less flexible. This hose is NOT designed for use where static electricity is a problem; for applications where static build-up is an issue, use another hose.



\*Service life of material handling hoses may vary depending on the operating conditions, hours of use, and the product being conveyed. Always rotate the hose regularly for even wear and inspect the tube for degradation before use.

**Temperature Range:** -30°C (-22°C) to +80°C (176°F)

**Construction:** Tube: Smooth, tan, 3/16" thick pure gum rubber, non-oil resistant. Cover: Corrugated, tan SBR rubber with a yellow or red stripe. Reinforcement: Spiral double wire helix between synthetic fabric.

**Typical Fittings:** Insert-type fittings can wear out prematurely with highly abrasive products and due to the thick, soft tube it is difficult to get good fitting retention on this hose. N8200C-AL external Blucor flanges are NOT designed for use on this hose due to the smaller OD. Use N51 double bolt clamps or N70-C202 strapping.

Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C(70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1-1/2"	NL8155-150	2.05"	100 psi	4"	.89	C	100 ft
2"	NL8155-200	2.61"	75	5	1.19	C	100
2-1/2"	NL8155-250	3.11"	75	7	1.66	C	100
3"	NL8155-300	3.63"	75	8	1.98	B	100
4"	NL8155-400	4.69"	75	12	2.85	B	100
5"	NL8155-500	5.75"	75	15	4.22	C	100
6"	NL8155-600	6.75"	75	18	5.05	B	100
8"	NL8155-800	9.00"	75	25	5.90	C	20/40

MCH





ContiTech Hydrovator is a rugged hose ideally suited for aggressive hydro-vac operations containing abrasive materials and offers a durable alternative to our NL2100/NL8110/NL8155 Material Transfer hoses. The corrugated Plioflex cover provides good flexibility and durability, while the advanced formulated tube provides outstanding abrasion and tear resistance when handling even the coarsest of materials in Hydro Excavation - including mud, sand and rock. Our NL8185 (standard) has a black NR Tube with a static dissipating Chemituf liner while the NL8180 has a red 3/16" thick NR tube and greater reinforcing for suction & discharge applications up to 75PSI. Hydrovator is available with Survivor tube (NL8185ST-xxxXlgh) and also available in custom built lengths supplied with soft cuff ends for ease of installation.

NL8160 is a generic unbranded product that delivers quality and economy, it offers a lower price point alternative to higher end, proven brand name products and is designed to compete with lower cost alternatives being introduced to the market.



NL8185 Black Static Dissipating NR/Chemituf Tube (NL8160 Generic)



NL8160 Red NR Tube (special order)

*\*Service life of material handling hoses may vary depending on the operating conditions, hours of use, and the product being conveyed. Always rotate the hose regularly for even wear and inspect the tube for degradation before use.*

**Temperature Range:** Black NR Tube: -32°C (-25°F) to +82°C (+180°F). Red NR Tube: -40°C (-40°F) to +82°C (+180°F).

**Construction:** Tube: NL8185 - Black natural rubber combined with a static dissipating Chemituf liner; NL8180 - 3/16" Thick abrasion resistant natural rubber. Cover: Black corrugated static dissipating Plioflex synthetic rubber. Reinforcement: Double spiral steel wire helix with plies of synthetic fabric.

**Typical Fittings:** This hose is typically attached directly to the hydro-vac truck with strapping or N51 Double Bolt clamps. Custom assemblies with enlarged or soft cuffs are available.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>Black NR/Chemituf Tube</b>							
6"	NL8185-600	7.10"	50 psi/ Full	12"	6.40	N	50/100 ft
8	NL8185-800	8.90	50 / Full	16	8.40	C	50/100
10	NL8185-1000	11.10	50 / Full	20	11.80	C	50/100
<b>Red NR Tube</b>							
6"	NL8180-600	6.91"	75 psi/ Full	15"	6.82	N	50/100 ft
8	NL8180-800	9.06	75 / Full	20	9.88	N	50/100
<b>Red NR Tube (Previously Black NR) - Generic Brand 1/4" Tube</b>							
6"	NL8160-600	7.10"	50 psi/ Full	20"	5.68	C	50/100 ft
8	NL8160-800	8.90	50 / Full	28	8.13	C	50/100
8	NL8160-800X35	8.90	50 / Full	28	8.13	C	30
10	NL8160-1000	11.10	50 / Full	40	11.00	C	50/100
<b>Generic Black Rubber Vacuum Suction 150 - 1/4" Tube</b>							
2"	NL8161-200	2.80"	150 psi/ Full	8"	1.89	N	50/100 ft
3	NL8161-300	3.78	150 / Full	12	2.68	N	50/100
4	NL8161-400	4.92	150 / Full	16	4.16	N	50/100
5	NL8161-500	5.94	150 / Full	25	5.51	N	50/100
6	NL8161-600	7.01	150 / Full	30	6.90	N	50/100
8	NL8161-800	9.02	150 / Full	48	9.23	N	50/100
10	NL8161-1000	11.10	150 / Full	60	13.94	N	50/100





# NL8511 / NL8512 / NL8513 / NL8514 - Corrugated Bore Street Sweeper

This is a custom built, "corrugated interior and exterior" vacuum hose specifically designed for use on wide range of street sweepers. It is typically used in short lengths (24" to 96") extending to the street brush on the side of the truck. Commonly seen on original equipment, it offers the heavy duty characteristics of a material handling hose with the added flexibility more similar to a ducting hose. It has good resistance to abrasion, weathering, and certain chemicals while its deeply corrugated interior and exterior permit maximum flexibility (as an example, 10" size have 3/4" deep corrugations that are 1-1/4" wide and spaced 1/2" apart). Since it must allow for considerable axial movement in a short length, it is built with 1000+ pounds of tensile strength (axial). Many custom lengths are available and all come with soft cuffs (approximately 4"-6" long) for ease of clamping. The specifications shown below are based on a 3/16" tube (NL8511), but a 1/4" tube (NL8512), a 3/8" tube (NL8513) or a 1/2" tube (NL8514) thickness is also available on request. Actual thickness's can vary due to the unique, deep internal corrugations of this hose. As a general rule, a thicker tube results in added abrasion resistance but less flexibility. OEM vacuum hose crossover available upon request.



*\*Service life of material handling hoses may vary depending on the operating conditions, hours of use, and the product being conveyed. Always rotate the hose regularly for even wear and inspect the tube for degradation before use.*

**Temperature Range:** Application dependent, as a guide -40°C (-40°F) to +88°C (190°F).

**Construction:** Tube: Corrugated, abrasion resistant rubber (NL8511 is 3/16", NL8512 is 1/4", NL8513 is 3/8" & NL8514 is 1/2"). Cover: Black, corrugated abrasion and weather resistant 1/8" thick SBR rubber. Reinforcement: 3-ply of fabric reinforcement with a steel wire helix.

**Typical Fittings:** This hose is typically attached directly to the street sweeper, Strapping or N51 Double bolt clamps.

Inside Diameter	Part #	Cut O.D.	Vacuum Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>3/16" Corrugated Tube</b>							
6"	NL8511-600Xinches	6.83"	4"/Hg	16"	3.30	N	
8"	NL8511-800Xinches	8.83	4	18	4.50	B	Custom
9"	NL8511-900Xinches	9.83	4	20	6.00	C	Lengths
10"	NL8511-1000Xinches	10.83	4	22	6.75	C	
11"	NL8511-1100Xinches	11.83	4	26	7.50	C	Custom
12"	NL8511-1200Xinches	12.83	4	27	8.00	B	Lengths
14"	NL8511-1400Xinches	14.83	4	31	10.00	C	

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# NL8541 / NL8542 / NL8543 / NL8544 - Smooth Bore Vacuum Truck

This is similar to the NL8511/8512 Vacuum listed above, however this version has a smooth interior for less turbulence and better flow. The 'smooth bore' version is not nearly as flexible and will NOT make flexible bends in short lengths as compared to the corrugated bore NL8511/8512. This hose is typically used in straight lengths on the top of the machine or in other areas not required to make short, tight bends. It offers more abrasion resistance, has soft cuffs for attaching, and is available in several odd sizes as compared to off-the-shelf products like our NL2100 Black Corrugated Rubber. The specifications shown below are based on a 3/16" (NL8541) or 1/4" thick tube (NL8542), but a 3/8" tube (NL8543) or 1/2" tube (NL8544) is also available on request. As a general rule, a thicker tube results in added abrasion resistance but less flexibility. OEM vacuum hose crossover available upon request.



*\*Service life of material handling hoses may vary depending on the operating conditions and the product being conveyed. Always rotate the hose regularly for even wear and inspect the tube for degradation before use.*

**Temperature Range:** Application dependent, as a guide -40°C (-40°F) to +88°C (190°F)

**Construction:** Tube: Smooth, abrasion resistant rubber (NL8542 is 1/4" and NL8543 is 3/8"). Cover: Black, corrugated abrasion and weather resistant 1/8" thick SBR rubber. Reinforcement: 2-3 plies (depends on size) of fabric reinforcement with a steel wire helix.

**Typical Fittings:** This hose is typically attached directly to the street sweeper, Strapping or N51 Double bolt clamps.

Inside Diameter	Part #	Cut O.D.	Vacuum Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<b>3/16" Smooth Tube</b>							
8"	NL8541-800Xinches	8.75"	4"/Hg	62"	7.10	C	
<b>1/4" Smooth Tube</b>							
6"	NL8542-600Xinches	6.75"	4"/Hg	48"	6.40	N	Custom
8"	NL8542-800Xinches	8.75	4	64	8.66	C	Lengths
9"	NL8542-900Xinches	9.75	4	76	9.35	N	
10"	NL8542-1000Xinches	10.75	4	80	10.04	N	
11"	NL8542-1100Xinches	11.75	4	90	11.90	N	Custom
12"	NL8542-1200Xinches	12.75	4	96	12.75	N	Lengths
14"	NL8542-1400Xinches	14.75	4	120	15.75	N	

MCL

5 Abrasive Material Handling





# MatchMate® Global



**The 3 Minute Crimp Hose Assembly System**

**Delivers durability, precision and unbeatable ease of use!**

- 1 Hose Selection**  
Choose the right Matchmate Global hose by matching construction & size for your requirements. Rings on the coloured layline indicate construction and the hose dash number indicates size.
- 2 Fitting Selection**  
Select a Matchmate Global fitting with the same dash number as the hose. Make sure the number of grooved rings on the crimp shell matches the number of rings on the hose. Insert hose into fitting. Skiving the hose is not necessary.
- 3 Final Assembly**  
Choose the correct die cage by matching the dash number and the colour code on the hose layline to the colour coded tabs on the die cage. Insert into crimp machine and select the pre-set crimp setting that is right for your hose.
- 4 You're Ready to Perform!**  
From start to finish, it takes 3 minutes or less to make a MatchMate Global crimp hose assembly!



**6 Hydraulics**

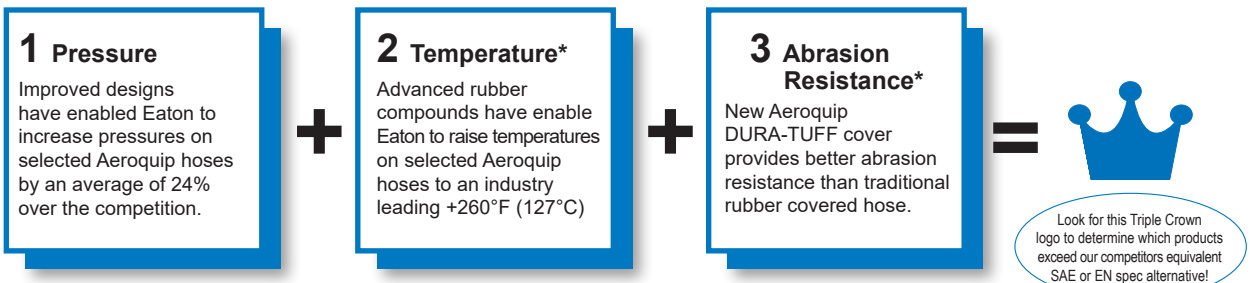
## The Triple Crown Advantage



### The Triple Crown Advantage

Better in every way that matters

Eaton engineering has once again raised the bar. Select Eaton Aeroquip hydraulic hoses offer distinct advantages in three areas, which exceed all SAE and EN spec competitive equivalents.



*\*For extremely high temperature or abrasion resistant applications Eaton also offers specialty hose compounds such as; AQP & Bruiser, see catalogue specification for further details*



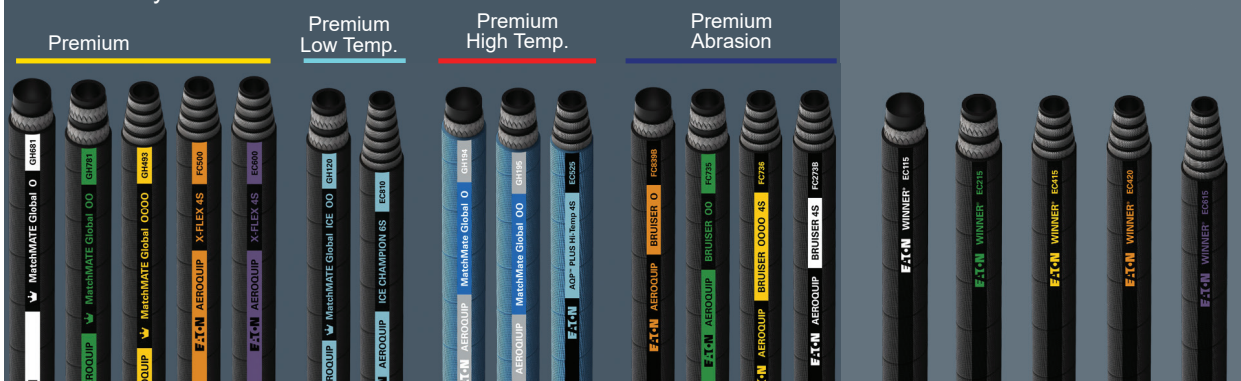


## Premium

Our new core premium hoses for OEM or aftermarket use exceed industry standards for pressure, temperature and abrasion resistance, with options adapted to handle your toughest jobs. Look for Triple Crown hoses for the highest pressure and temperature ratings to extend the life of your hose.

## Standard

Eaton Winner® hoses meet all industry standards for pressure, temperature and abrasion resistance, offering the right product at a competitive price point for OEM markets.



	Premium	Premium Low Temp.	Premium High Temp.	Premium Abrasion	Standard
Operating Temperature Range	High: 260°F Low: -40°F	High: 212°F Low: -70°F	High: 302°F Low: -40°F	High: 212°F Low: -40°F	High: 212°F Low: -40°F
Cover Abrasion Resistance		DURA-TUFF™ Coverings (8x greater than standard)		BRUISER Coverings (700x greater than standard)	Standard Abrasion (10,000 Cycles per ISO 6149)
Bend Radius	1/2 bend	1/2 bend	Full bend	1/2 bend	1/2 bend
Impulse Life	Eaton Premium: All premium hoses exceed industry specifications for impulse cycles.				Eaton Standard
Fluid Compatibility and Rubber Compounding	Eaton Premium				Eaton Standard
Certifications	SAE EN ISO Customer specs	SAE EN MSHA Customer specs	SAE EN Customer specs U.S. Coast Guard	SAE EN DNV Customer specs	SAE EN MSHA Customer specs

## Fittings



### TTC Series

Eaton's best selling one-piece "Bite-the-wire" style hose fitting that is qualified with virtually all Aeroquip one and two wire braided hydraulic hoses.



### 4S/6S Spiral Series

A higher performing spiral hose assembly for the most demanding applications while using a simple more user-friendly hose and hose fitting assembly process. Industry leading class "0" cool-down leakage and higher operating performance.



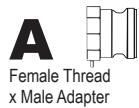
### Two-piece Winner Series

A competitive non-skive two-piece hose fitting that is qualified with the Eaton Winner standard hoses.

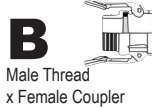


# Camlock Quick Reference

Camlocks are ideal where frequent and fast connections are required on fluid transfer lines (no camlock materials or styles are designed for use with compressed air, gases or steam). The bodies and gaskets are available in several different materials to suit various applications or environments. In 1/2", 8", 10", & 12" sizes there is no international standard, however there are 2 standard interchanges in North America (most common is the PT interchange, other is the Ever-Tite/Andrews/Dixon/Bayco pattern). Standard Camlock Gaskets are made of Buna-N Nitrile to resist water and low aromatic petroleum products. Many gasket materials available, always confirm if it is compatible with fluid. Note: Additional Jump Sizes Available upon request.



**A**  
Female Thread  
x Male Adapter



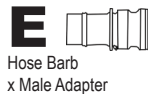
**B**  
Male Thread  
x Female Coupler



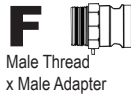
**C**  
Hose Barb  
x Female Coupler



**D**  
Female  
Thread x Female Coupler



**E**  
Hose Barb  
x Male Adapter



**F**  
Male Thread  
x Male Adapter



**DC**  
Dust Cap



**DP**  
Dust Plug

## Standard Aluminum Camlocks

The Camlocks below are manufactured from a high quality aluminum alloy and feature 304 stainless steel pins, forged brass, plated steel finger rings, sandcast body finish, and are heat treated to provide greater durability. They are made to strict tolerances to ensure a leak proof seal (i.e. they meet MIL SPEC 27487, A-A-59326 American Standard and DIN2828 German Standard in sizes 3/4" to 6" and will interchange with others that meet these specifications - no government standards have been set for the 1/2", 8", and 10" sizes, therefore not all brands of 1/2", 8" & 10" Camlocks interchange). We also offer aluminum camlocks in BSP (ie. N4xBS-xxxAL), NH/NST (ie. N4xNH-xxxAL), and NPSH/NPSM (ie. N4xNS-xxxAL) threads on special request. **Always confirm if gasket material is compatible with fluid** (refer to the back of the 'Camlocks Section' for full listing of gasket materials).

**Rated Working Pressure @ 20°C (70°F):** 1/2" to 4" = 150psi, 5"-6" = 75psi, 8" = 50psi (in the 8" size, we are doing a rolling change to a higher pressure version, however careful consideration must be used in pressures over 50psi in 8"). For higher pressure 2"-6" camlocks refer to "Heavy Duty Camlocks listed in this section). **Temperature Range:** As a guide only, aluminum may be suitable for -150°F to +250°F



**Aluminum Part A FNPT Adapter**



**Aluminum Part B MNPT Coupler**



Standard Cast Barb

Smooth Machined Barb (crimpable interlock & easier insertion on PVC hoses)

Cam X NPT	Part #	Stk
		<b>266</b>
1/2"	N42-050AL	C
3/4	N42-075AL	A
1	N42-100AL	A
1-1/4	N42-125AL	B
1-1/2	N42-150AL	A
2	N42-200AL	A
2-1/2	N42-250AL	A
3	N42-300AL	A
4	N42-400AL	A
5	N42-500AL	C
6	N42-600AL	A
8 PT*	N42-800AL	B
8 ET*	N42ET-800AL	C
10 PT*	P42-1000AL	N
12 PT*	P42-1200AL	N
<b>Jump Sizes**</b>		<b>26P</b>
1-1/2" x 2"	N42R-150-200AL	C
2 x 1-1/2	N42R-200-150AL	C
2 x 3	N42R-200-300AL	N
3 x 2	N42R-300-200AL	C
3 x 4	N42R-300-400AL	N
4 x 3	N42R-400-300AL	C
4 x 6	N42R-400-600AL	N
6 x 4	N42R-600-400AL	C

\*\*Additional jump sizes available upon request.

\* In 1/2", 8", 10", & 12" sizes there is no international standard, however there are 2 standard interchanges in North America (most common is the PT interchange, other is the Ever-Tite/Andrews/Dixon/Bayco pattern).

Cam X NPT	Part #	Stk
		<b>266</b>
1/2"	N43-050AL	C
3/4	N43-075AL	B
1	N43-100AL	A
1-1/4	N43-125AL	C
1-1/2	N43-150AL	A
2	N43-200AL	A
2-1/2	N43-250AL	C
3	N43-300AL	A
4	N43-400AL	A
5	N43-500AL	C
6	N43-600AL	B
8 PT*	N43-800AL (4 arms)	C
8 ET*	N43ET-800AL	C
10 PT*	P43-1000AL (4 arms)	N
12 PT*	P43-1200AL (4 arms)	N
<b>Jump Sizes**</b>		<b>26P</b>
1-1/2" x 1"	N43R-150-200AL	N
2 x 1-1/2	N43R-200-150AL	B
2 x 3	N43R-200-300AL	N
3 x 2	N43R-300-200AL	C
3 x 4	N43R-300-400AL	C
4 x 3	N43R-400-300AL	C

\*\*Additional jump sizes available upon request.

Cam X Hose	Part #	Stk
		<b>266</b>
1/2"	N44-050AL	C
3/4	N44-075AL	A
1	N44-100AL	A
1-1/4	N44-125AL	A
1-1/2	N44-150AL	A
2	N44-200AL	A
2-1/2	N44-250AL	A
3	N44-300AL	A
4	N44-400AL	A
5	N44-500AL	A
6	N44-600AL	A
8 PT*	N44-800AL (4 arms)	B
8 ET*	N44ET-800AL	C
10 PT*	P44-1000AL (4 arms)	N
12 PT*	P44-1200AL (4 arms)	N
<b>Jump Sizes**</b>		<b>26P</b>
2" x 1-1/2"	N44R-200-150AL	C
2 x 3	N44R-200-300AL	N
3 x 2	N44R-300-200AL	C
3 x 4	N44R-300-400AL	C
4 x 3	N44R-400-300AL	C
5 x 4	N44R-500-400AL	N
<b>Smooth Machined Barb</b>		<b>266</b>
1-1/2"	N44MS-150AL	C
2	N44MS-200AL	C
3	N44MS-300AL	C
4	N44MS-400AL	C
6	N44MS-600AL	C

\*\*Additional jump sizes available upon request.







# Standard Aluminum Camlocks



### Aluminum Part D FNPT Coupler

Cam X NPT	Part #	Stk
<b>266</b>		
1/2**	N45-050AL	C
3/4	N45-075AL	A
1	N45-100AL	A
1-1/4	N45-125AL	B
1-1/2	N45-150AL	A
2	N45-200AL	A
2-1/2	N45-250AL	A
3	N45-300AL	A
4	N45-400AL	A
5	N45-500AL	C
6	N45-600AL	A
8 PT*	N45-800AL (4 arms)	B
8 ET*	N45ET-800AL	C
10 PT*	P45-1000AL (4 arms)	N
12 PT*	P45-1200AL (4 arms)	N
<b>Jump Sizes**</b> <b>26P</b>		
1-1/2" x 1"	N45R-150-100AL	C
2 x 1-1/2	N45R-200-150AL	C
2 x 3	N45R-200-300AL	N
3 x 2	N45R-300-200AL	C
3 x 4	N45R-300-400AL	N
4 x 3	N45R-400-300AL	C
5 x 4	N45R-500-400AL	N
6 x 4	N45R-600-400AL	C

\*\*Additional jump sizes available upon request.



Standard Cast Barb

Smooth Machined Barb (crimpable interlock & easier insertion on PVC hoses)

### Aluminum Part E Hose Adapter

Cam X NPT	Part #	Stk
<b>266</b>		
1/2**	N46-050AL	C
3/4	N46-075AL	B
1	N46-100AL	A
1-1/4	N46-125AL	B
1-1/2	N46-150AL	A
2	N46-200AL	A
2-1/2	N46-250AL	B
3	N46-300AL	A
4	N46-400AL	A
5	N46-500AL	C
6	N46-600AL	A
8 PT*	N46-800AL	B
8 ET*	N46ET-800AL	C
10 PT*	P46-1000AL	N
12 PT*	P46-1200AL	N
<b>Jump Sizes**</b> <b>26P</b>		
1-1/2" x 2"	N46R-150-200AL	N
2 x 1-1/2	N46R-200-150AL	C
2 x 3	N46R-200-300AL	C
3 x 2	N46R-300-200AL	C
3 x 4	N46R-300-400AL	C
4 x 3	N46R-400-300AL	C
5 x 4	N46R-500-400AL	N
<b>Smooth Machined Barb</b> <b>26P</b>		
1-1/2"	N46MS-150AL	N
2	N46MS-200AL	C
3	N46MS-300AL	C
4	N46MS-400AL	C
6	N46MS-600AL	C

\*\*Additional jump sizes available upon request.



### Aluminum Part F MNPT Adapter

Cam X NPT	Part #	Stk
<b>266</b>		
1/2**	N47-050AL	C
3/4	N47-075AL	A
1	N47-100AL	A
1-1/4	N47-125AL	B
1-1/2	N47-150AL	A
2	N47-200AL	A
2-1/2	N47-250AL	A
3	N47-300AL	A
4	N47-400AL	A
5	N47-500AL	C
6	N47-600AL	A
8 PT*	N47-800AL	C
8 ET*	N47ET-800AL	C
10 PT*	P47-1000AL	N
12 PT*	P47-1200AL	N
<b>Jump Sizes**</b> <b>26P</b>		
1-1/2" x 2"	N47R-150-200AL	C
2 x 1-1/2	N47R-200-150AL	C
2 x 3	N47R-200-300AL	C
3 x 2	N47R-300-200AL	C
3 x 4	N47R-300-400AL	C
4 x 3	N47R-400-300AL	C
4 x 6	N47R-400-600AL	N

\*\*Additional jump sizes available upon request.



### Aluminum Dust Cap

Size	Part #	Stk
1/2**	N48-050AL	C
3/4	N48-075AL	B
1	N48-100AL	A
1-1/4	N48-125AL	C
1-1/2	N48-150AL	A
2	N48-200AL	A
2-1/2	N48-250AL	C
3	N48-300AL	A
4	N48-400AL	A
5	N48-500AL	C
6	N48-600AL	A
8 PT*	N48-800AL (4 arms)	C
8 ET*	N48ET-800AL	C
10 PT*	P48-1000AL (4 arms)	N
12 PT*	P48-1200AL (4 arms)	N

**266**



### Lockable Dust Caps

Size	Part #	Stk
1-1/2"	D48-150AL-LA	C
2	D48-200AL-LA	C
2-1/2	D48-250AL-LA	C
3	D48-300AL-LA	C
4	D48-400AL-LA	C
5	D48-500AL-LA	N
6	D48-600AL-LA	C

**26E**



### Aluminum Dust Plug

Size	Part #	Stk
1/2**	N49-050AL	C
3/4	N49-075AL	B
1	N49-100AL	A
1-1/4	N49-125AL	C
1-1/2	N49-150AL	A
2	N49-200AL	A
2-1/2	N49-250AL	C
3	N49-300AL	A
4	N49-400AL	A
5	N49-500AL	C
6	N49-600AL	C
8 PT*	N49-800AL	C
8 ET*	N49ET-800AL	C
10 PT*	P49-1000AL	N
12 PT*	P49-1200AL	N

**266**

\*In 1/2", 8", 10", & 12" sizes there is no international standard, however there are 2 standard interchanges in North America (most common is the PT interchange, other is the Ever-Tite/Andrews/Dixon/Bayco pattern).



7  
Camlocks



As with our higher end Conti Instalocks, these generic camlocks have special locking arms to prevent accidental disconnection caused by vibration, dragging, or wear (they also have an Interlock Groove on the hose stem to accommodate our WI- Series Interlocking Hose Ferrules). In recent years some lower cost import versions for less critical applications have come onto the market. They can be used on low pressure water hoses, wastewater, and general fluids - for more critical applications we recommend our proven Conti Instalock camlocks. Standard gaskets are black Buna-N Nitrile and arms/pins are 304 stainless - ensure materials are compatible with the fluid being conveyed.

**Rated Working Pressure @ 20°C (70°F) of Aluminum & Stainless in this series:** 1-1/2" to 2" sizes = 250psi, 2-1/2"-4" sizes 150psi.

266L



**Part B MNPT Coupler w/ Locking Arms**

Cam x NPT	Part #	Stk
<b>Standard Aluminum</b>		
2"	N43L-200AL	C
3	N43L-300AL	C
4	N43L-400AL	C
6	N43L-600AL	C
<b>316 Stainless Steel</b>		
1-1/2"	N43L-150SS	C
2	N43L-200SS	C
3	N43L-300SS	C
4	N43L-400SS	C
6	N43L-600SS	C



**Part C Hose Coupler w/ Locking Arms & Interlock Ferrule Groove**

Cam x Hose	Part #	Stk
<b>Standard Aluminum w/ Lock Arms &amp; Groove</b>		
1-1/2"	N44CL-150AL	C
2	N44CL-200AL	C
3	N44CL-300AL	C
4	N44CL-400AL	C
6	N44CL-600AL	C
<b>316 Stainless Steel w/ Lock Arms &amp; Groove</b>		
1-1/2"	N44CL-150SS	N
2	N44CL-200SS	C
3	N44CL-300SS	C
4	N44CL-400SS	C
6	N44CL-600SS	N



**Part D FNPT Coupler w/ Locking Arms**

Cam x NPT	Part #	Stk
<b>Standard Aluminum</b>		
1-1/2"	N45L-150AL	C
2	N45L-200AL	C
3	N45L-300AL	C
4	N45L-400AL	C
6	N45L-600AL	C
<b>316 Stainless Steel</b>		
1-1/2"	N45L-150SS	C
2	N45L-200SS	C
3	N45L-300SS	C
4	N45L-400SS	C
6	N45L-600SS	C



**Part DC Dust Cap w/ Locking Arms**

Cam x NPT	Part #	Stk
<b>Standard Aluminum</b>		
1-1/2"	N48L-150AL	C
2	N48L-200AL	C
3	N48L-300AL	C
4	N48L-400AL	C
6	N48L-600AL	C
<b>316 Stainless Steel</b>		
1-1/2"	N48L-150SS	C
2	N48L-200SS	C
3	N48L-300SS	C
4	N48L-400SS	C
6	N48L-600SS	N



Locking Arms



**Part E Hose Adapter w/ Interlock Ferrule Groove**

Cam x NPT	Part #	Stk
<b>Standard Aluminum</b>		
1-1/2"	N46C-150AL	C
2	N46C-200AL	C
3	N46C-300AL	C
4	N46C-400AL	C
<b>316 Stainless Steel</b>		
1"	N46C-100SS	C
1-1/2"	N46C-150SS	C
2	N46C-200SS	C
2-1/2"	N46C-250SS	N
3	N46C-300SS	C
4	N46C-400SS	C

**Did You KNOW?**

**We offer a wide range of Camlock Elbows. Custom "Made-to-Order" Camlocks are available upon request.**





J4840, J5030NP, J5030NPW

**HD Industrial Power Wash Gun**

This is a popular, industrial grade gun suitable for up to 5000 psi water, 10.5 gpm, and 150°C (300°F). It is available with either a 1/4" or 3/8" Female NPT inlet and a 1/4" Female NPT outlet. The "weeping" models are for colder environments to prevent the water from freezing in the line (by providing a constant drip).

Part #	Stk
<b>Non-Weeping (Standard) Gun Only</b>	
J4840 (1/4" Inlet)	B
J5030NP* (3/8" Inlet)	A
<b>Weeping Gun Only</b>	
J5030NPW	C
<b>Suttner Brand Gun Only</b>	
ST-2605 (3/8" Inlet)	C

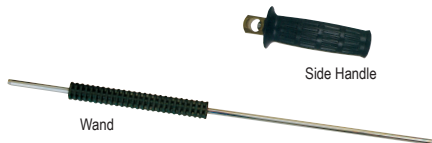
\*Available in retail display packs (Prefix X).



**Heavy Duty Industrial Gun/Lance Assembly w/ Wand & QD's**

These are our HD guns with a CPST5 male QD nipple inlet and a plated steel wand with a CST4B brass coupler on the end.

Part #	Wand Length	Stk
<b>Non-Weeping (Standard) Gun</b>		
J5030NP-18QD	18"	B
J5030NP-24QD	24"	A
J5030NP-36QD	36"	A
J5030NP-48QD	48"	A
J5030NP-59QD	59"	A



**Insulated Wands (Lances)**

These have 1/4" male NPT ends and are designed to be threaded into the guns. Max 4000 psi, 10.5 gpm, and 150°C (300°F)

Part #	Length	Stk
<b>Plated Steel Wand</b>		
J5188D18	(18")	C
J5188D24	(24)	B
J5188D36	(36)	A
J5188D48	(48)	B
J5188D59	(59)	C
J5188D79	(79)	B

<b>Stainless Steel Wand</b>		
N5110-36SS	(36")	C
N5110-48SS	(48)	C
N5110-59SS	(59)	C
N5110-79SS	(79)	C

<b>Wand Side Handle Attachment</b>		
J5188HANDLE		C

\*Available in retail display packs (Prefix X).



**Flexible Bend Wand (2500 psi)**

These are useful in confined spaces, for car washes, or to get under hard to reach spaces. Maximum 2500psi & 90°C/195°F. 1/4" MNPT.

Part #	Length	Stk
J5182D18	(18")	B



**Double / Twin Wand (Lance)**

This is designed for use when dual pressures or orifice sizes are needed for cleaning applications, such as spraying cleaning agents with low pressure through an injector valve and then cleaning with high pressure. Can also be used when switching to chemicals during high pressure cleaning. Side control. Max 4000 psi, 10.5 gpm, and 150°C (300°F).

Part # (Length)	Stk
<b>Plated Steel "Double/Twin" Wand</b>	
N5130-43 (wand only, 1/4" NPT)	C
N5130-43G (with gun, 3/8" Inlet)	C

\*Available in retail display packs (Prefix X).



**Adjustable Foamer Lancer**

This has a 1/4" Female NPT inlet, adjustable foam spray pattern nozzle, and an adjustable flow regulator. Max 2800 psi, 5.3-6.5 gpm, and 60°C (140°F).

Part #	Stk
N5135 (1.5 mm Nozzle)	C

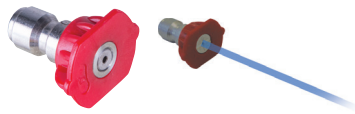






These colour coded pressure washer spray tips incorporate a straight through plug to connect to a corresponding coupler (i.e. 1/4" CST4B). The orifice size of the nozzle determines the operating pressure of your machine. As a rule of thumb, the smaller the orifice, the greater the restriction of water flowing through the machine, and hence increased pressure. Therefore, choosing a nozzle with too large of an orifice will reduce operating pressure, and choosing a nozzle with too small an orifice will limit water flow and possibly create an excessive load on the machine. Available orifice sizes are listed in the table below.

150

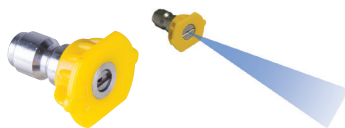


### Red 0° Nozzle

This is a "blasting nozzle" that delivers a concentrated stream of water for removing stubborn or hard to reach marks or materials.

Part #	Nozzle #	Stk
T0020S2Q	(2.0)	C
T0025S2Q	(2.5)	C
T0030S2Q*	(3.0)	C
T0035S2Q*	(3.5)	B
T0040S2Q*	(4.0)	C
T0045S2Q*	(4.5)	B
T0050S2Q	(5.0)	C
T0055S2Q	(5.5)	C
T0060S2Q	(6.0)	C
T0065S2Q	(6.5)	C

\*Other sizes available on special request.  
\*Available in retail display packs (Prefix X).

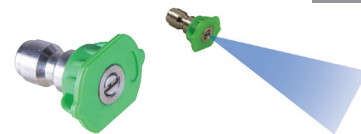


### Yellow 15° Nozzle

This is a "chiseling nozzle" for hard surfaces like concrete. The spray should be directed at a 45° angle to the surface and used like a scraper to remove paint, grease and dirt.

Part #	Nozzle #	Stk
T1520S2Q	(2.0)	C
T1525S2Q	(2.5)	C
T1530S2Q*	(3.0)	B
T1535S2Q*	(3.5)	B
T1540S2Q*	(4.0)	B
T1545S2Q*	(4.5)	B
T1550S2Q	(5.0)	C
T1555S2Q	(5.5)	C
T1560S2Q	(6.0)	C
T1565S2Q	(6.5)	C

\*Other sizes available on special request.  
\*Available in retail display packs (Prefix X).



### Green 25° Nozzle

This is a "flushing nozzle" which is best suited for flushing dirt, mud and grime from more fragile areas or bare wood.

Part #	Nozzle #	Stk
T2520S2Q	(2.0)	C
T2525S2Q	(2.5)	C
T2530S2Q*	(3.0)	C
T2535S2Q*	(3.5)	C
T2540S2Q	(4.0)	B
T2545S2Q*	(4.5)	C
T2550S2Q	(5.0)	C
T2555S2Q	(5.5)	C
T2560S2Q	(6.0)	C
T2565S2Q	(6.5)	C

\*Other sizes available on special request.  
\*Available in retail display packs (Prefix X).



### Quick Connect Spray Tip Retail Pack

Part #	Nozzle #	Stk
<b>Kit Includes 0°, 15°, 40° &amp; Soap Nozzle</b>		
AQSPRAY-30	(3.0)	B
AQSPRAY-35	(3.5)	B
AQSPRAY-40	(4.0)	B
AQSPRAY-45	(4.5)	B
<b>Kit Includes 0°, 15°, 25° &amp; 40°</b>		
AQSPRAY-30G	(3.0)	C
AQSPRAY-35G	(3.5)	C
AQSPRAY-40G	(4.0)	C
AQSPRAY-45G	(4.5)	C



### White 40° Nozzle

This is a "wash nozzle" with a wide spray pattern for rinsing and moderate washing of more fragile surfaces, painted surfaces, equipment, vehicles, etc.

Part #	Nozzle #	Stk
T4020S2Q	(2.0)	C
T4025S2Q	(2.5)	C
T4030S2Q*	(3.0)	B
T4035S2Q*	(3.5)	B
T4040S2Q*	(4.0)	B
T4045S2Q*	(4.5)	B
T4050S2Q	(5.0)	B
T4055S2Q	(5.5)	C
T4060S2Q	(6.0)	C
T4065S2Q	(6.5)	C

\*Available in retail display packs (Prefix X).



### Black 'Soap' Dispensing Nozzle

This is a brass "chemical nozzle" which is used to apply soap and light chemical solutions.

Part #	Nozzle #	Stk
TBK40S2Q	(4.0)	B

\*Available in retail display packs (Prefix X).

### Match Your PSI With Your GPM To Determine Correct Nozzle Size

Nozzle #	500		700		800		1000		1500		2000		2500		3000		3500		4000		4500		5000		6000	
	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
2.0	.71	.77	.84	.89	1.0	1.2	1.4	1.6	1.7	1.9	2.0	2.1	2.2	2.3	2.5	2.7	2.8	3.1	3.3	3.5	3.7	4.0	4.2	4.5	4.9	5.5
2.5	.90	1.0	1.0	1.1	1.3	1.6	1.8	2.0	2.2	2.5	2.8	3.0	3.1	3.3	3.5	3.7	4.0	4.3	4.7	5.1	5.5	5.8	6.2	6.7	7.3	8.0
3.0	1.1	1.2	1.3	1.4	1.5	1.8	2.1	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	4.0	4.3	4.8	5.1	5.5	5.8	6.2	6.7	7.3	8.0	8.6
3.5	1.3	1.4	1.5	1.6	1.8	2.2	2.5	2.8	3.1	3.3	3.5	3.7	4.0	4.2	4.5	4.9	5.1	5.5	5.8	6.2	6.7	7.3	8.0	8.6	9.2	10.0
4.0	1.4	1.6	1.7	1.8	2.0	2.5	2.8	3.2	3.6	3.9	4.2	4.5	4.9	5.1	5.5	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
4.5	1.6	1.7	1.9	2.0	2.5	2.8	3.2	3.6	3.9	4.2	4.5	4.9	5.1	5.5	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
5.0	1.8	1.9	2.1	2.2	2.5	3.1	3.5	4.0	4.3	4.7	5.0	5.5	5.8	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0
5.5	1.9	2.1	2.3	2.5	2.8	3.4	3.9	4.3	4.8	5.1	5.5	6.0	6.5	6.8	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7
6.0	2.1	2.3	2.5	2.7	3.0	3.7	4.2	4.7	5.2	5.6	6.0	6.5	6.9	7.3	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2
6.5	2.3	2.5	2.7	2.9	3.3	4.0	4.6	5.1	5.6	6.1	6.5	7.0	7.5	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9
7.0	2.5	2.7	2.9	3.1	3.5	4.3	4.9	5.5	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5





Suffix 'M' for Male NPT



Suffix 'F' for Female NPT



T65400 Brass Chemical & Soap



Female NPT Nozzle Only



Nozzle with 1/4" CPST3 Quick Connect



Nozzle with 1/4" Quick Connect & N5160 Filter



J5152 Complete Tip Holder/Bushing with a Rubber Protector



J5151 1/4" NPT Replacement Plated Steel Holder/Bushing

## Stainless Steel Spray Tip

A variety of spray tips are listed (many others are available). Always refer to the manufacturer's recommended tip size for each pressure washer as it will greatly affect safety, performance, and flow rates. The suffix indicates male (M) or female (F) NPT thread.

Part #	Nozzle #	Stk
<b>0° 1/4" Male NPT</b>		
T0004S2M	(4.0)	C
T0005S2M	(5.0)	C
T0006S2M	(6.0)	C
T0007S2M	(7.0)	N
T0008S2M	(8.0)	C
<b>15° 1/4" Male NPT</b>		
T1504S2M	(4.0)	C
T1505S2M	(5.0)	C
T1506S2M	(6.0)	C
T1507S2M	(7.0)	C
T1508S2M	(8.0)	C
<b>25° 1/4" Male NPT</b>		
T2502S2M	(2.5)	C
T2504S2M	(4.0)	C
T2505S2M	(5.0)	C
T2555S2M	(5.5)	C
T2506S2M	(6.0)	C
T2507S2M	(7.0)	N
T2508S2M	(8.0)	C
T2520S2M	(20.0)	C
<b>40° 1/4" Male NPT</b>		
T4004S2M	(4.0)	C
T4005S2M	(5.0)	B
T4055S2M	(5.5)	C
T4006S2M	(6.0)	B
T4007S2M	(7.0)	C
<b>110° Veejet 1/4" Male NPT</b>		
T11003S2M		N
<b>Chemical &amp; Soap 1/4" Male NPT</b>		
T65400	(Brass)	C
<b>15° 1/4" Female NPT</b>		
T1504S2F	(4.0)	C
T1505S2F	(5.0)	C
<b>25° 1/4" Female NPT</b>		
T2505S2F	(5.0)	C
T2520S2F	(20.0)	C
<b>25° 1/8" Male NPT</b>		
T2508S1M	(8.0)	C
<b>40° 1/8" Male NPT</b>		
T4002S1M	(2.0)	C

\*Other sizes available on special request.

## Rotary Turbo Nozzles

Speed up power cleaning with this rotary nozzle. Its rotating motion produces a scrubbing action to help lift dirt twice as fast! Will not work with improper flow rate or nozzle size - select correct model. Minimum flow is 2.7 gpm. Max 90°C (194°F). **Always start turbo nozzles in a downward position.**

Part #	Description	Stk
<b>Nozzle Only - 1/4" Female NPT End</b>		
N5180-3.5	#3.5 nozzle, max 3000 psi	C
N5180-4.0	#4.0 nozzle, max 3000	B
N5180-4.5	#4.5 nozzle, max 3000	C
N5183-3.5	#3.5 nozzle, max 4000	C
N5183-4.0	#4.0 nozzle, max 4000	B
N5183-4.5	#4.5 nozzle, max 4000	C
N5185-3.5	#3.5 nozzle, max 5000	C
N5185-4.0	#4.0 nozzle, max 5000	C
N5185-4.5	#4.5 nozzle, max 5000	C
<b>Assembled w/ 1/4" CPST3 Plated QC</b>		
N5180QC-3.5	#3.5 nozzle, max 3000 psi	C
N5180QC-4.0	#4.0 nozzle, max 3000	B
N5180QC-4.5	#4.5 nozzle, max 3000	C
N5183QC-3.5	#3.5 nozzle, max 4000	C
N5183QC-4.0	#4.0 nozzle, max 4000	C
N5183QC-4.5	#4.5 nozzle, max 4000	C
N5185QC-3.5	#3.5 nozzle, max 5000	C
N5185QC-4.0	#4.0 nozzle, max 5000	C
N5185QC-4.5	#4.5 nozzle, max 5000	C
<b>Assembled w/ 1/4" QC &amp; Inline Filter</b>		
N5180QF-3.5	#3.5 nozzle, max 3000psi	C
N5180QF-4.0	#4.0 nozzle, max 3000	B
N5180QF-4.5	#4.5 nozzle, max 3000	C
N5180QF-5.0	#5.0 nozzle, max 3000	C
N5183QF-3.5	#3.5 nozzle, max 4000	C
N5183QF-4.0	#4.0 nozzle, max 4000	B
N5183QF-4.5	#4.5 nozzle, max 4000	C
N5185QF-3.5	#3.5 nozzle, max 5000	C
N5185QF-4.0	#4.0 nozzle, max 5000	B
N5185QF-4.5	#4.5 nozzle, max 5000	C

\*Available in retail display packs (Prefix X).



## Multi-Function Nozzle

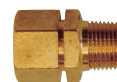
This adjustable multi-function nozzle provides 6 spray patterns, 0°, 15°, 25° 40° soap & rinse.

Part #	Description	Stk
MULTISPRAY-030	#3 Nozzle, 4-7hp	C
MULTISPRAY-035	#3.5 Nozzle, 7-11hp	B
MULTISPRAY-040	#4 Nozzle, 13-15hp	C

## Nozzle/Tip Protector Bushing

These can be threaded onto the wand to protect objects from being chipped by spray tips (use with threaded tips/nozzles, not quick connect).

Part #	Stk
J5152 (complete)	C
J5151 (replacement holder)	C



## Breakaway Fitting

These will "break away" in the event someone drives away or catches the pressure washer gun (attach between gun and pressure washer hose).

Part #	Stk
J5068 (1/4" NPT)	N
J5069 (3/8" NPT)	C





**Rotating Mole Nozzle**

These are highly efficient for flushing out pipes, drains, or sewers. Max 4000 psi, 150°C/300°F, stainless steel.

Part #	GPM	Stk
<b>1/8" Female NPT</b>		
TRT45S1F	(4.5)	C
<b>1/4" Female NPT</b>		
TRT55S2F	(5.5)	C
<b>3/8" Female NPT</b>		
TRT65S3F	(6.5)	C

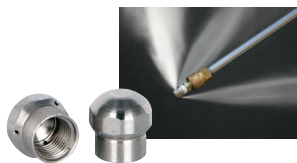


**Penetrator Mole/Laser Nozzle**

These drain or sewer nozzles have backwards jets and a penetrating forward jet that can cut through ice, sludge or grease while providing enough forward thrust for a hose. Max 4000 psi, 150°C/300°F, stainless steel.

Part #	GPM	Stk
<b>1/8" Female NPT</b>		
TLS45S1F	(4.5)	C
TLS55S1F	(5.5)	C
<b>1/4" Female NPT</b>		
TLS45S2F*	(4.5)	B
TLS55S2F*	(5.5)	A
<b>3/8" Female NPT</b>		
TLS65S3F	(6.5)	B

\*Available in retail display packs (Prefix X).



**Back Jet Mole/Ram Nozzle**

These drain or sewer nozzles have a wide spray pattern for maximum hose thrust and provide thorough pipe cleaning when the hose is pulled back (jets face backwards, no forward stream). Max 4000 psi, 150°C/300°F, stainless steel.

Part #	GPM	Stk
<b>1/8" Female NPT</b>		
TRS55S1F	(5.5)	C
<b>1/4" Female NPT</b>		
TRS45S2F*	(4.5)	C
TRS55S2F*	(5.5)	C
<b>3/8" Female NPT</b>		
TRS65S3F	(6.5)	C

\*Available in retail display packs (Prefix X).



N5140-30

N5141-50

**Unloader Valves**

Pressure regulating unloader valves automatically relieve pressure from the pump once it is shut-off which helps prolong the service life of the pump. Max 195°F (88°C).

Part #	Description	Stk
<b>4,500 psi, 8 GPM</b>		
N5140-30	3/8" FNPT Bottom In	C
	3/8 FNPT Out	
	3/8 FNPT Bypass	
<b>4,500 psi, 8 GPM w/ EZ Start Therm Valve</b>		
N5140-30EZ	3/8" FNPT Bottom In	C
	3/8 FNPT Out	
	3/8 FNPT Bypass	
<b>5,000 psi, 26.4 GPM</b>		
N5141-50	1/2" FNPT Bottom In	C
	1/2 FNPT Out	
	1/2 FNPT Bypass	

\*For male threads, add in N5404-xx-xx Adapters



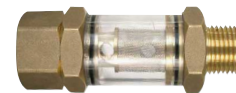
CSTGPxB

N535GP-xxxBR

**Bypass or Gauge Port Adapters**

These have a 1/4" female NPT port to allowing a bypass line or gauge port.

Part #	Description	Stk
<b>Brass/SS Quick Coupling (Max 4000 psi)</b>		
CSTGP6B	3/8" Cplr x Nipple	C
<b>Brass Garden x MNPT (Max 300 psi)</b>		
N535GP-038BR	FGHT x 3/8" MNPT	C
N535GP-050BR	FGHT x 1/2" MNPT	C



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**Garden Hose Water Inlet Filter**

These provide a filter at the inlet (8 gpm flow rate) to block contaminants from the water line. Maximum +80°C (175°F). The female GHT is inlet and male NPT is outlet (for other configurations, use adapters).

Part #	Description	Stk
<b>w/ Two 1/4" NPT Side Ports</b>		
N5150	FGHT Inlet x 1/2" MNPT Outlet	C
<b>Replacement Parts</b>		
N5150R	O-Ring Seal Only	C
N5150S	Filter Screen Only	C
N5150B	Clear Bowl Only	C

\*Available in retail display packs (Prefix X).



**Water Inlet Filter (Aluminum)**

Helps protect system from contaminants in the water line (6-8 gpm, 50 mesh). A garden hose adapter (N560-050BR) can be threaded into the male NPT inlet, and the body has two 1/4" NPT side ports. Max 160 psi. Max temperature 60°C (140°F).

Part #	Description	Stk
N5153	1/2" MNPT In x FNPT Out	C
<b>Replacement Parts</b>		
N5153S	Filter Screen	C
N5153C	Blue Plastic Cap	C

\*Available in retail display packs (Prefix X).



N5160



N5161

**High Pressure In-Line Filter**

Helps protect system from contaminants in the water line. Max 5,000 psi and 10.5 gpm. Max temperature 93°C (200°F).

Part #	Description (Inlet x Outlet)	Stk
N5160	1/4" QC x 1/4" MNPT	C
N5161	1/4 FNPT x 1/4 MNPT	C

\*Available in retail display packs (Prefix X).



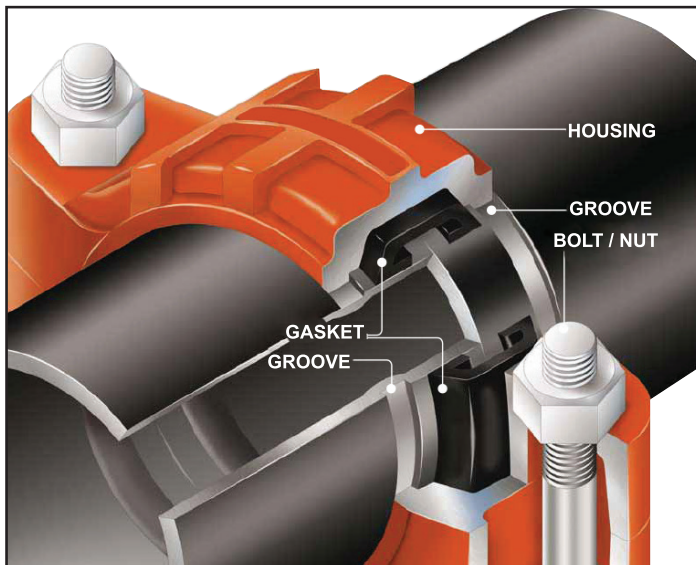




Groove fittings are commonly found in commercial/ industrial construction, mining and process piping applications. They are fully interchangeable with popular brands such as Shurjoint & Victaulic® fittings. They are available in a large range of sizes from 1-1/2" to 12". They are also available in galvanized (suffix G) or stainless steel (suffix SS) on request.

For further information please contact our customer service team.

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## Grooved Couplings

Heavy Duty Rigid Coupling  
**Model SJ-Z07**

Sizes Available: 1-1/4" - 24"  
Working pressures up to 750 psi



Rigid Coupling  
**Model SJ-Z05**

Sizes Available: 1-1/4" - 8"  
Working pressures up to 300 psi



Standard Flexible Coupling  
**Model SJ-7705**

Allows angular flexibility to reduce stress

Sizes Available: 1" - 12"  
Working pressures up to 300 psi



Reducing Coupling  
**Model SJ-7706**

Sizes Available: 1-1/4" - 8"  
Working pressures up to 300 psi



Heavy Duty Flexible Coupling  
**Model SJ-7707**

Allows angular flexibility to reduce stress

Sizes Available: 3/4" - 42"  
Working pressures up to 750 psi



Hinged Lever Coupling  
**Model SJ-G28**

Sizes Available: 1-1/2" - 10"  
Working pressures up to 300 psi



Plain End Bolt Coupling  
**Model SJ-H305**

Sizes Available: 2" - 10"



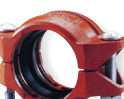
HDPE to Steel Groove Transition Coupling  
**Model SJ-H307**

Sizes Available: 2" - 10"



Wildcat Coupling (joins plain-end pipe)  
**Model SJ-79**

Sizes Available: 2" - 20"



## Grooved Fittings

Grooved 90° Elbow Short Radius  
**Model SJ-901**

Sizes Available: 2" - 8"



Grooved Standard 90° Elbow  
**Model SJ-7110**

Sizes Available: 1" - 24"  
\*Use SJ-7118 for NPT end



Grooved 45° Elbow  
**Model SJ-7111**

Sizes Available: 1" - 24"



Grooved 45° Elbow Long Radius  
**Model SJ-7111LR**

Sizes Available: 2" - 10"



Grooved 22.5° Elbow  
**Model SJ-7112**

Sizes Available: 2" - 12"



Grooved 11.25° Elbow  
**Model SJ-7113**

Sizes Available: 2" - 12"



Grooved Cross  
**Model SJ-7135**

Sizes Available: 1" - 4"



## Grooved Fittings

Grooved Standard Tee  
**Model SJ-7120**

Sizes Available: 1" - 24"



Grooved Reducing Tee  
**Model SJ-7121**

Sizes Available: 3/4" - 8"



Grooved Short Radius Tee  
**Model SJ-903**

Sizes Available: 2" - 8"



Grooved 45° Lateral Y  
**Model SJ-7130**

Sizes Available: 2" - 12"



Union Flange x Groove  
**N290UVRF**

Sizes Available: 6" - 8"



Replacement Gaskets

**Model N7000E**  
(EPDM - Green Stripe)

**Model N7000N**  
(Nitrile - Orange Stripe)

**Model N7000V**  
(Neoprene - Yellow Stripe)

**Model N7000WB**  
(White Nitrile - White Stripe)



# High Pressure Ball Valves

These ball valves are commonly used in high pressure hydraulic or water applications. They have blow-out proof stems and come standard in either a plated steel (suffix PS) or 316 stainless (suffix SS) body/ball/stem with Buna-N O-rings and POM/delrin ball seats. Replacement ball seat & o-ring kits are available but different manufacturers do NOT interchange, making it difficult to repair (N10700CK-xxx w/ suffix BN for Buna-N or VI for Viton). Replacement handles (N10700Rx-) and locking kits (N10700LK- plated steel or stainless) are available upon request (different brands do NOT interchange). Temperature Range: Application dependent, -30°C (-22°F) to +100°C (+212°F)



## High Pressure Ball Valve

Thread Size	Part #	Stk	Working (PSI)	Port
<b>Square Body - Plated Steel NPT Threaded</b>				
1/8"	N10704-013PS	N	7,250 psi	Full
1/4"	N10704-025PS	B	7,250	Full
3/8"	N10704-038PS	A	7,250	Full
1/2"	N10704-050PS	A	7,250	Full
3/4"	N10704-075PS	B	5,075	Full
1"	N10704-100PS	B	5,075	Full
1-1/4"	N10704-125PS	C	5,075	Reduced
1-1/2"	N10704-150PS	C	5,075	Reduced
<b>Square Body - Plated Steel SAE ORB Threaded</b>				
1/4"	N10705-025PS	C	7,250 psi	Full
3/8"	N10705-038PS	C	7,250	Full
1/2"	N10705-050PS	C	7,250	Full
3/4"	N10705-075PS	B	5,075	Full
1"	N10705-100PS	B	5,075	Full
1-1/4"	N10705-125PS	C	5,075	Reduced
1-1/2"	N10705-150PS	N	5,075	Reduced
2"	N10705-200PS	N	5,075	Reduced
<b>Square Body - Plated Steel BSPP Threaded</b>				
1/4"	N10706-025PS	N	7,250 psi	Full
3/8"	N10706-038PS	N	7,250	Full
1/2"	N10706-050PS	N	7,250	Full
3/4"	N10706-075PS	N	5,000	Full
1"	N10706-100PS	N	5,000	Full
1-1/4"	N10706-125PS	N	5,000	Reduced
1-1/2"	N10706-150PS	N	5,000	Reduced
<b>Square Body - 316SS NPT Threaded</b>				
1/4"	N10704-025SS	C	5,880 psi	Full
3/8"	N10704-038SS	C	5,880	Full
1/2"	N10704-050SS	C	5,145	Full
3/4"	N10704-075SS	C	5,145	Full
1"	N10704-100SS	N	5,075	Full
1-1/4"	N10704-125SS	C	5,075	Reduced
1-1/2"	N10704-150SS	N	5,075	Reduced
<b>Round Body - Plated Steel NPT Threaded</b>				
1-1/4"	N10720-125PS	N	5,075 psi	Full
1-1/2"	N10720-150PS	N	5,075	Full
2"	N10720-200PS	C	5,075	Full
<b>Round Body - 316SS NPT Threaded</b>				
1-1/4"	N10720-125SS	N	5,075 psi	Full
1-1/2"	N10720-150SS	N	5,075	Full
2"	N10720-200SS	N	5,075	Full
<b>Premium Brand - Plated Steel NPT Threaded</b>				
1/4"	D10704-025PS	N	7,250 psi	Full
3/8"	D10704-038PS	N	7,250	Full
1/2"	D10704-050PS	C	7,250	Full
3/4"	D10704-075PS	C	5,800	Full
1"	D10704-100PS	C	5,075	Full
1-1/4"	D10704-125PS	N	5,075	Reduced
1-1/2"	D10704-150PS	N	5,075	Reduced

\*Some sizes available in stainless (suffix SS).

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## High Press. 3-Way Ball Valve (Center Inlet, L-Flow)

These 3-way diverter valves require the center port to be the inlet (pressurized). They work in an L flow pattern to either side.

Size	Part #	Stk	Working (PSI)	Port
<b>Square Body - Plated Steel NPT Threaded</b>				
1/8"	N10714-013PS	N	5,800 psi	Full
1/4"	N10714-025PS	C	5,800	Full
3/8"	N10714-038PS	C	5,800	Full
1/2"	N10714-050PS	C	5,075	Full
3/4"	N10714-075PS	C	5,075	Full
1"	N10714-100PS	C	5,075	Full
1-1/4"	N10714-125PS	C	5,075	Reduced
1-1/2"	N10714-150PS	N	5,075	Reduced
2"	N10714-200PS	N	5,075	Reduced
<b>Square Body - Plated Steel SAE ORB Threaded</b>				
1/4"	N10715-025PS	N	5,800 psi	Full
3/8"	N10715-038PS	N	5,800	Full
1/2"	N10715-050PS	C	5,075	Full
3/4"	N10715-075PS	C	5,075	Full
1"	N10715-100PS	C	5,075	Full
1-1/4"	N10715-125PS	C	5,075	Reduced
<b>Square Body - Steel BSPP Threaded</b>				
1/4"	N10716-025CS	N	5,880 psi	Full
3/8"	N10716-038CS	N	5,880	Full
1/2"	N10716-050CS	N	5,145	Full
3/4"	N10716-075CS	N	5,145	Full
1"	N10716-100CS	N	5,145	Full
<b>Square Body - 316SS NPT Threaded</b>				
1/4"	N10714-025SS	C	5,800 psi	Full
3/8"	N10714-038SS	C	5,800	Full
1/2"	N10714-050SS	C	5,075	Full
3/4"	N10714-075SS	C	5,075	Full
1"	N10714-100SS	C	5,075	Full
1-1/4"	N10714-125SS	N	5,075	Reduced
1-1/2"	N10714-150SS	N	5,075	Reduced
2"	N10714-200SS	N	5,145	Reduced
<b>Round Body - Plated Steel NPT Threaded</b>				
1-1/4"	N10724-125PS	N	5,075 psi	Full
1-1/2"	N10724-150PS	N	5,075	Full
2"	N10724-200PS	N	5,075	Full
<b>Premium Brand - Plated Steel NPT Threaded</b>				
1/4"	D10714-025PS	N	5,800 psi	Full
3/8"	D10714-038PS	N	5,800	Full
1/2"	D10714-050PS	C	5,075	Full
3/4"	D10714-075PS	C	5,075	Full
1"	D10714-100PS	C	5,075	Full
1-1/4"	D10714-125PS	N	5,075	Reduced
1-1/2"	D10714-150PS	N	5,075	Reduced

\*Some sizes available in stainless (suffix SS).

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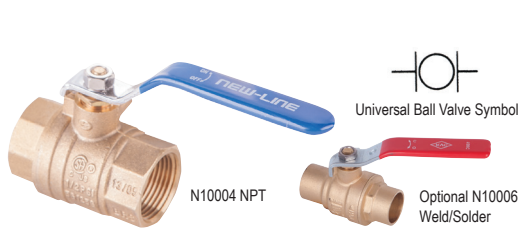




Ball valves can be used for positive, frequent 'on' and 'off' service, they are not designed for fine control or for throttling (use needle or globe valve). The handle can be quickly opened or closed (90° turn) and allows for easy identification from a distance of valve position. 'Full Port' ball valves permit full flow and are typically used on hard piping systems (they have similar internal dimensions to hard pipe). 'Standard Port' ball valves can be used with piping but are also suitable when used with hose as they do not restrict flow (they have the same internal dimensions of the corresponding hose size).

## Lead-Free Brass for Potable Water Systems in Canada or USA

Brass fittings, pipe, and valves containing lead in excess of 0.25% will no longer be permitted for use in potable (drinking and cooking) water systems in Canada or the USA. This law applies only to products used to transfer water in systems which are directly for human consumption; it does NOT apply to any other application.



**AVAILABLE LEAD FREE**  
Suffix Part # (LF)  
UL US LISTED CSA



N10000-025BR is supplied with a miniature valve handle.

## Full Port Brass Ball Valves

These are popular, cast brass, CSA/UL approved full port ball valves suitable for 600 psi water, oil, or gas (pressure rating is based on ambient temperature) at ambient temperatures (400 psi in 2-1/2-4" sizes). They feature a 2-piece brass body, PTFE seat, chrome plated balls, blow-out proof stems, and adjustable packing glands. These valves are typically disposable but replacement handles are available (N10004RH-xxx). These valves conform to MSS SP-110 standards. For Steam applications see N10108-xxxBR

NPT Size	Part #	Stk	Bulk Pkg
<b>Female x Female NPT Threaded*</b>			
1/4"	N10004-025BR	A	10
3/8"	N10004-038BR	A	10
1/2"	N10004-050BR	A	10
3/4"	N10004-075BR	A	10
1"	N10004-100BR	A	10
1-1/4"	N10004-125BR	A	5
1-1/2"	N10004-150BR	A	5
2"	N10004-200BR	A	5
2-1/2"	N10004-250BR	B	1
3"	N10004-300BR	A	1
4"	N10004-400BR	B	1
<b>Copper Weld/Solder - Sweat**</b>			
1/2"	N10006-050BR	C	10
3/4"	N10006-075BR	C	10
1"	N10006-100BR	C	10
1-1/4"	N10006-125BR	N	5
1-1/2"	N10006-150BR	N	5
2"	N10006-200BR	N	5

\*Available in Polypropylene (suffix PP).

\*\*Available lead free for potable water (suffix LF).

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## Standard Port Brass Ball Valve w/ Mini Handle

This is a cast brass, CSA/UL approved standard port ball valve suitable for 400 psi water, oil, or gas (pressure rating is based on ambient temperature). It features a 1-piece brass body, PTFE seat, chrome plated balls, blow-out proof stems, and adjustable packing glands with a miniature valve handle making it ideal in tight areas or for carpet cleaning solution feed line applications.

NPT Size	Part #	Stk	Bulk Pkg
1/4"	N10000-025BR	A	10

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## Toyo Red/White #5044A Brass Ball Valve

We offer the more expensive 'Toyo Red/White' for those who request this brand only. They are suitable for 600 psi water, oil, or gas (400 psi on sizes 2-1/2" & 3") at ambient temperatures and 150 psi steam. These valves are typically disposable but replacement handles are available (N10100RH-xxx).

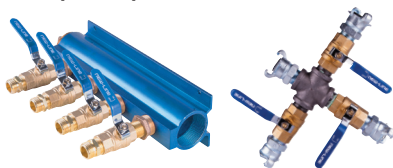
NPT Size	Part #	Stk	Bulk Pkg
1/4"	N10100-025BR	N	5
3/8"	N10100-038BR	C	5
1/2"	N10100-050BR	C	5
3/4"	N10100-075BR	C	5
1"	N10100-100BR	C	5
1-1/4"	N10100-125BR	C	1
1-1/2"	N10100-150BR	C	1
2"	N10100-200BR	C	1
2-1/2"	N10100-250BR	N	1
3"	N10100-300BR	N	1

\*Available lead free for potable water (suffix LF).

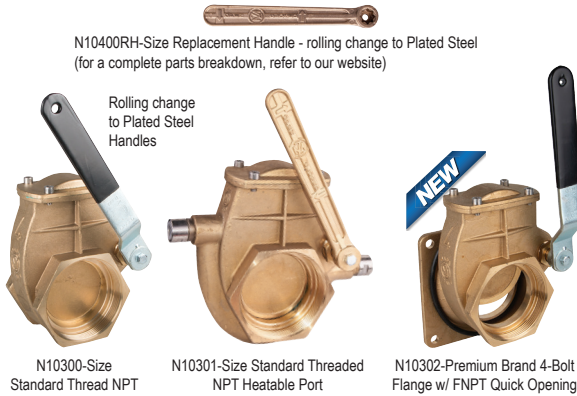
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### Did You KNOW?

Custom Valve Units & Manifolds can be built upon request.







N10400RH-Size Replacement Handle - rolling change to Plated Steel (for a complete parts breakdown, refer to our website)

Rolling change to Plated Steel Handles

N10300-Size Standard Thread NPT

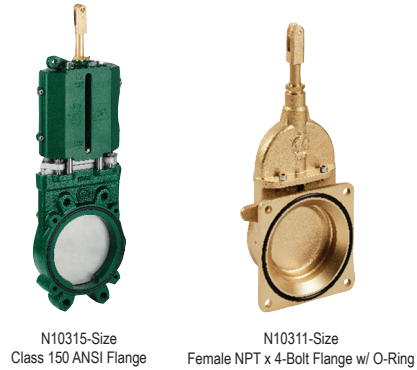
N10301-Size Standard Threaded NPT Heatable Port

N10302-Premium Brand 4-Bolt Flange w/ FNPT Quick Opening

## Quick Opening Lever Gate Valve

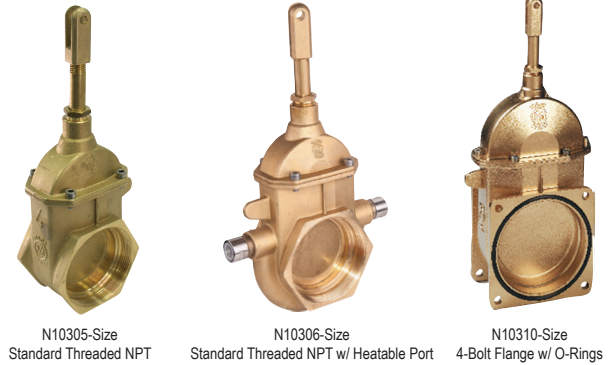
These have a cast bronze body and a durable lever for quick action (opening or closing). Commonly used on bulk waste tanks or other areas where a large volume of fluids must be moved quickly. The heatable port valves can be plumbed in to have an anti-freeze line run through the valve in order to keep it from freezing shut in colder environments. Some replacement parts list below, refer to our website for a complete parts breakdown.

Size	Part #	Stk	Bulk Pkg
<b>Generic - Threaded NPT</b>			
2"	N10320-200BR	C	1
3	N10320-300BR	C	1
4	N10320-400BR	B	1
6	N10320-600BR	C	1
<b>Generic - Replacement Handle for N10320 - Only</b>			
Various	N10320RH-SizeBR	C	1
<b>Premium Brand - Threaded NPT</b>			
2"	N10300-200BR	C	1
3	N10300-300BR	B	1
4	N10300-400BR	B	1
6	N10300-600BR	C	1
<b>Premium Brand - Threaded NPT w/ Heatable Port</b>			
4"	N10301-400BR	C	1
6	N10301-600BR	C	1
<b>Premium Brand - 4-Bolt Flange x FNPT Quick Opening</b>			
4"	N10302-400BR	C	1
6	N10302-600BR	C	1
<b>*Replacement Handle (Rolling change to Plated Steel)</b>			
Various	N10300RH-SizeBR	C	1
<b>*Replacement Kit (Disc w/ 2 Gaskets)</b>			
Various	N10300RB-SizeBR	N	1
<b>*Replacement Disc Set</b>			
Various	N10300RD-SizeBR	N	1
<b>*Replacement Disc Lever</b>			
Various	N10300RL-SizeBR	N	1
* For complete parts breakdown, refer to new-line.com			<b>344Q</b>



N10315-Size Class 150 ANSI Flange

N10311-Size Female NPT x 4-Bolt Flange w/ O-Ring



N10305-Size Standard Threaded NPT

N10306-Size Standard Threaded NPT w/ Heatable Port

N10310-Size 4-Bolt Flange w/ O-Rings

## Quick Opening Piston Gate Valve

These are similar to the quick opening lever gate valves but they have a piston style release lever. They are typically used for discharge applications where a large volume of fluids must be moved quickly.

Size	Part #	Stk	Bulk Pkg
<b>Female NPT x Female NPT - Standard</b>			
4"	N10305-400BR	C	1
6	N10305-600BR	C	1
<b>Female NPT x Female NPT w/ Heatable Port</b>			
4"	N10306-400BR	C	1
6	N10306-600BR	C	1
<b>Female NPT x 4-Bolt Flange</b>			
4"	N10311-400BR	N	1
6	N10311-600BR	C	1
<b>4-Bolt Flange x 4-Bolt Flange</b>			
6"	N10310-600BR	C	1
8	N10310-800BR	C	1
<b>Class 150 ANSI Flange</b>			
6"	N10315-600BR	N	1
<b>Rebuild Kit (Disc w/ 2 Gaskets)</b>			
4"	N10305RB-400BR	N	1
6	N10305RB-600BR	N	1
			<b>344Q</b>





# Bauer Ball Lock Style Galvanized Fittings (2" to 12")

Bauer Fittings (also known as HK / HKS Couplings, or Type B Ball Lock) are specialty lever couplings that can be used for discharge or suction of water, waste liquids, sludges and agricultural or industrial wastes. They are commonly found in mining or oil fracking water transfer, irrigation, or agricultural applications. Although the more cost-effective camlock style fittings have become preferred by many users in smaller sizes, Bauer fittings can be quickly coupled in an offset manner, up to 20°-30° in any direction which allows for unique bends around objects or rough terrain. They are supplied in lightweight galvanized steel from sizes 2" (76mm) through 12" (300mm), but are also available in Aluminum upon request (suffix 'AL'). Female socket Bauer fittings come standard with gaskets included. Working pressure ratings can range from 290 psi in sizes 2"-3", 215 psi in 4", and 175 psi in sizes 6" through 12".

425



**Male Bauer x Insert  
Hose Barb**  
N2410-xxx



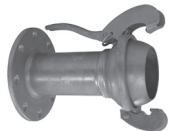
**Female Bauer Socket x In-  
sert Hose Barb c/w Gasket**  
N2415-xxx



**Bauer Replacement  
Gasket**  
N2435-xxx



**Male Bauer x Weld**  
N2420-xxx



**Male Bauer x Class  
150# Flange**  
N2411-xxx



**Female Bauer Socket x  
Class 150# Flange**  
N2416-xxx



**Bauer Weld Lever**  
N2430-xxx



**Female Bauer Socket x  
Weld c/w Gasket**  
N2425-xxx



**Female Bauer Socket x  
Male NPT**  
N2417-xxx



**Male Bauer x Male NPT**  
N2412-xxx



**Male x Female  
Socket 90°**  
N2423-xxx



**Male Bauer x Female  
Socket 45°**  
N2421-xxx



**Female Socket x  
Male Increaser**  
N2422-xxx



**Female Socket x Male  
Reducer**  
N2424-xxx



**Female Socket Cap w/  
Gasket**  
N2418-xxx



**Male Bauer Plug**  
N2413-xxx

## Anfor Type A Ball-Lock Couplings (10" to 12")

Anfor Type A Couplings are an older lever coupling design that have been largely replaced by Grooved, Bauer Type B Ball Lock, Camlock, etc, however at times they are still occasionally seen in larger bore markets (ie. 10"-12") for lower pressure dewatering (50-70 psi)

425



**Anfor Male Ball Lock x  
Insert Hose Barb**  
N2440-xxx



**Anfor Female Socket &  
Lever x Insert Hose Barb**  
N2445-xxx



**Anfor Male Ball Lock x  
Weld**  
N2450-xxx



**Anfor Female Socket  
& Lever x Weld**  
N2455-xxx



N68SL- Standard Duty



### Spring Loaded/Constant Tension

Spring loaded/Constant Torque T-bolt clamps are designed to compensate for thermal expansion/contraction of hose or fitting connections. They are commonly used on silicone hose or on charge air cooling systems. Exceeding torque ratings will bend bolt and warp housing; do not assemble with an air tool. It is good practice to check for tightness at regular intervals while in service. Our N68SL- are the standard, cost effective model and we also offer the N75CT- which is a more robust, higher torque clamp for heavy duty applications (refer to Supra Clamp technical info on next page).

Clamp Range	Part #	Stk	Bulk Pkg
<b>Standard Duty (SS Band &amp; Plated Steel Spring/Bolt)</b>			
1.50" - 1.69"	N68SL-150	N	6
2.24 - 2.56	N68SL-225	B	6
2.36 - 2.68	N68SL-238	C	6
2.48 - 2.80	N68SL-250	C	6
2.64 - 2.95	N68SL-263	B	6
2.87 - 3.19	N68SL-288	C	6
3.03 - 3.35	N68SL-306	B	6
3.39 - 3.70	N68SL-338	B	6
3.50 - 3.82	N68SL-356	B	6
3.74 - 4.06	N68SL-381	C	6
4.02" - 4.33"	N68SL-406	B	6
4.25 - 4.57	N68SL-431	B	6
4.49 - 4.80	N68SL-456	C	6
4.76 - 5.08	N68SL-481	N	6
5.00 - 5.31	N68SL-506	C	6
5.51 - 5.83	N68SL-556	C	6
5.98 - 6.30	N68SL-600	C	6
6.26 - 6.57	N68SL-625	C	6
6.31 - 6.75	N68SL-631	N	6
7.00 - 7.31	N68SL-700	C	6
7.25 - 7.55	N68SL-725	N	6
7.37 - 7.69	N68SL-737	N	6
8.06 - 8.25	N68SL-806	N	6
8.25 - 8.55	N68SL-825	N	6
8.50 - 8.75	N68SL-850	N	6

305S

N75CT- Heavy Duty



### Spring Loaded/Constant Tension

Spring loaded/Constant Torque T-bolt clamps are designed to compensate for thermal expansion/contraction of hose or fitting connections. They are commonly used on silicone hose or on charge air cooling systems. Exceeding torque ratings will bend bolt and warp housing; do not assemble with an air tool. It is good practice to check for tightness at regular intervals while in service. Our N68SL- are the standard, cost effective model and we also offer the N75CT- which is a more robust, higher torque clamp for heavy duty applications (refer to Supra Clamp technical info on next page).

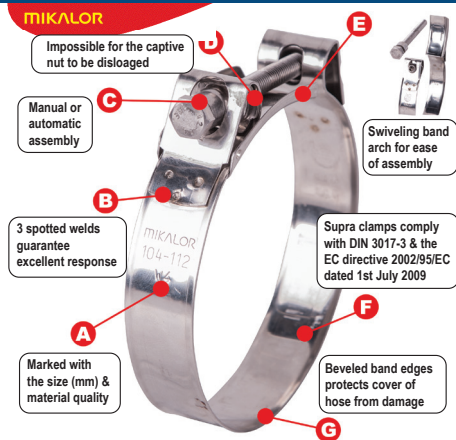
Clamp Range	Part #	Stk	Bulk Pkg
0.68" - 0.75"	N75CT-1719	C	6
0.75 - 0.83	N75CT-1921	C	6
0.83 - 0.91	N75CT-2123	N	6
0.91 - 0.98	N75CT-2325	N	6
0.98 - 1.06	N75CT-2527	C	6
1.06 - 1.14	N75CT-2729	C	6
1.14 - 1.22	N75CT-2931	C	6
1.22 - 1.34	N75CT-3134	C	6
1.34 - 1.46	N75CT-3437	C	6
1.46" - 1.57"	N75CT-3740	C	6
1.57 - 1.69	N75CT-4043	C	6
1.69 - 1.85	N75CT-4347	C	6
1.85 - 2.01	N75CT-4751	C	6
2.01 - 2.17	N75CT-5155	C	6
2.17 - 2.32	N75CT-5559	C	6
2.32 - 2.48	N75CT-5963	C	6
2.48 - 2.68	N75CT-6368	C	6
2.68" - 2.87"	N75CT-6873	C	6
2.87 - 3.11	N75CT-7379	C	6
3.11 - 3.35	N75CT-7985	C	6
3.35 - 3.58	N75CT-8591	C	6
3.58 - 3.82	N75CT-9197	C	6
3.82 - 4.09	N75CT-97104	C	6
4.09 - 4.41	N75CT-104112	C	6
4.41 - 4.76	N75CT-112121	C	6
4.76" - 5.12"	N75CT-121130	N	6
5.13 - 5.50	N75CT-130140	C	6
5.50 - 5.88	N75CT-140150	C	6
6.38 - 6.85	N75CT-162174	N	6
6.88 - 7.38	N75CT-174187	N	6
7.88 - 8.38	N75CT-187200	N	6
7.38 - 7.88	N75CT-200213	C	6
8.38 - 8.88	N75CT-213226	N	6
8.88 - 9.38	N75CT-226239	N	6
9.41 - 9.92	N75CT-239252	N	6

306S





# Mikalor Supra Heavy Duty Clamps



Mikalor Supra heavy duty clamps offer several advantages over traditional T-bolt clamps. They are available across a wide range of sizes and are popular in the automotive, marine, and agricultural industries as well as with various industrial OEMs. Their special bolts are designed to withstand great tensions and permit them to be tightened with power tools and regular sockets (within manufacturer's torque settings). The thick band has bevelled edges to prevent possible damage to the cover of the hose and an automated protuberance welding system is used to weld three spots on each side of the clamp. Our N75 (Mikalor W2) are a type 430 stainless band with a zinc plated steel bolt and our N77 (Mikalor W4) are completely type 304 stainless steel. Exceeding torque ratings will bend bolt and warp housing; do not assemble with an air tool. It is good practice to check for tightness at regular intervals while in service. As a general guide with most bolt-style clamps, use 1 clamp per hose end for sizes up to 1-1/2", 2 clamps for 2"-4", 3 clamps for 5"-6", and 4 clamps for larger sizes. **Complete range of sizes listed on the following page.**

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Mikalor W2 Series 430SS Band with Plated Steel Bolt (Our N75-)



Mikalor W4 Series All 304 Stainless (Our N77-)

## Specifications

Clamp Range (mm)	Clamp Range (Inchs)	Band Width	Max Trq
17 - 19 mm	0.67" - 0.75"	0.708"	7.4
19 - 21	0.75 - 0.83	0.708	7.4
21 - 23	0.83 - 0.91	0.708	7.4
23 - 25	0.91 - 0.98	0.708	7.4
25 - 27	0.98 - 1.06	0.708	7.4
27 - 29	1.06 - 1.14	0.708	7.4
29 - 31	1.14 - 1.22	0.787	9.6
31 - 34	1.22 - 1.34	0.787	9.6
34 - 37	1.34 - 1.46	0.787	9.6
37 - 40	1.46 - 1.57	0.787	9.6
40 - 43	1.57 - 1.69	0.787	9.6
43 - 47	1.69 - 1.85	0.787	11.8
47 - 51	1.85 - 2.01	0.787	11.8
51 - 55	2.01 - 2.17	0.787	11.8
55 - 59	2.17 - 2.32	0.787	11.8
59 - 63	2.32 - 2.48	0.787	11.8
63 - 68	2.48 - 2.68	0.787	11.8
68 - 73	2.68 - 2.87	0.984	22.1
73 - 79	2.87 - 3.11	0.984	22.1
85 - 91	3.11 - 3.35	0.984	22.1
91 - 97	3.35 - 3.58	0.984	22.1
97 - 104	3.58 - 3.82	0.984	22.1
104 - 112	4.09 - 4.41	0.984	22.1
112 - 121	4.41 - 4.76	0.984	22.1
121 - 130	4.76 - 5.12	0.984	22.1
130 - 140	5.12 - 5.51	1.024	33.2
140 - 150	5.51 - 5.91	1.024	33.2
150 - 162	5.91 - 6.38	1.024	33.2
162 - 174	6.38 - 6.85	1.024	33.2
174 - 187	6.85 - 7.36	1.024	33.2
187 - 200	7.36 - 7.87	1.024	33.2
200 - 213	7.87 - 8.39	1.024	33.2
213 - 226	8.39 - 8.90	1.024	33.2
226 - 239	8.90 - 9.41	1.024	33.2
239 - 252	9.41 - 9.92	1.024	33.2
252 - 265	9.92 - 10.43	1.024	33.2
265 - 278	10.43 - 10.94	1.024	33.2
278 - 291	10.94 - 11.46	1.024	33.2
291 - 304	11.46 - 11.97	1.024	33.2
304 - 317	11.97 - 12.48	1.024	33.2
317 - 330	12.48 - 12.99	1.024	33.2
330 - 343	12.99 - 13.50	1.024	33.2
343 - 356	13.50 - 14.02	1.024	33.2
356 - 369	14.02 - 14.53	1.024	33.2
369 - 382	14.53 - 15.04	1.024	33.2
382 - 395	15.04 - 15.55	1.024	33.2
395 - 408	15.55 - 16.06	1.024	33.2

## N75 430SS Band w/ Zinc Bolt

Part Number	Stk	Bulk Pkg
N75-1719	C	6
N75-1921	A	6
N75-2123	A	6
N75-2325	B	6
N75-2527	A	6
N75-2729	A	6
N75-2931	B	6
N75-3134	A	6
N75-3437	A	6
N75-3740	A	6
N75-4043	A	6
N75-4347	A	6
N75-4751	A	6
N75-5155	A	6
N75-5559	A	6
N75-5963	A	6
N75-6368	A	6
N75-6873	B	6
N75-7379	B	6
N75-7985	A	6
N75-8591	A	6
N75-9197	A	6
N75-97104	A	6
N75-104112	A	6
N75-112121	A	6
N75-121130	B	6
N75-130140	C	6
N75-140150	C	6
N75-150162	B	6
N75-162174	C	6
N75-174187	C	6
N75-187200	C	6
N75-200213	B	6
N75-213226	C	6
N75-226239	C	6
N75-239252	B	6
N75-252265	C	6
N75-265278	N	6
N75-278291	N	6
N75-291304	N	6
N75-304317	N	6
N75-317330	N	6
N75-330343	N	6
N75-343356	N	6
N75-356369	N	6
N75-369382	N	6
N75-382395	N	6
N75-395408	N	6

## N77 All 304SS

Part Number	Stk	Bulk Pkg
N77-1719	C	6
N77-1921	B	6
N77-2123	B	6
N77-2325	B	6
N77-2527	B	6
N77-2729	C	6
N77-2931	B	6
N77-3134	A	6
N77-3437	A	6
N77-3740	C	6
N77-4043	B	6
N77-4347	C	6
N77-4751	B	6
N77-5155	B	6
N77-5559	B	6
N77-5963	B	6
N77-6368	B	6
N77-6873	C	6
N77-7379	C	6
N77-7985	C	6
N77-8591	A	6
N77-9197	C	6
N77-97104	C	6
N77-104112	C	6
N77-112121	C	6
N77-121130	C	6
N77-130140	C	6
N77-140150	C	6
N77-150162	C	6
N77-162174	C	6
N77-174187	C	6
N77-187200	C	6
N77-200213	C	6
N77-213226	C	6
N77-226239	C	6
N77-239252	C	6
N77-252265	N	6
N77-265278	N	6
N77-278291	N	6
N77-291304	N	6
N77-304317	N	6
N77-317330	N	6
N77-330343	N	6
N77-343356	N	6
N77-356369	N	6
N77-369382	N	6
N77-382395	N	6
N77-395408	N	6







## Malleable Iron Double Bolt Clamps

These are field attachable clamps that are commonly used on large bore water/waste suction or discharge hose in agricultural or industrial applications. In recent years, lighter more user friendly clamps such as Mikalor T-Bolts have become preferred over these clamps in sizes up to 6". Replacement saddles (N51CS-) and bolts (N51BOLT-) are available.

Clamp Range	Part #	Stk	Bulk Pkg
3.50 - 4.00"	N51-400	C	5
4.06 - 4.44	N51-463	B	5
4.19 - 5.00	N51-525	B	5
5.00 - 5.50	N51-550	C	5
5.50 - 6.06	N51-600	C	5
6.13 - 6.88	N51-675	B	5
6.94 - 7.63	N51-769	C	5
7.69 - 8.19	N51-818	C	5
8.25 - 8.88	N51-875	B	5
8.94 - 9.88	N51-988	C	5
9.94 - 11.38	N51-1125	B	5
11.19 - 13.00	N51-1275	B	5
12.25 - 14.00	N51-1360	N	5
13.19 - 15.00	N51-1450	C	5
15.06 - 17.50	N51-1700	C	5

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## Interlocking HP Bolt Clamps (Boss Clamps)

These are heavy duty, plated malleable iron clamps that are designed specifically for use with collared hose stems, such as with Boss ground joint fittings or high pressure male stems (MS- or N176- Series). When properly installed, the gripping fingers on these clamps engage over the collar of the stem to prevent coupling blow-out. Please see the Ground Joint Section for further information.

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## Spiral Bolt Clamps

These spiral clamps are designed to fit between the corrugations found on PVC transfer hose (not designed for critical applications). Our N675 are suitable for a clockwise helix (right hand thread) while our N676 are suitable for counter-clockwise (left hand thread). They will not interchange, so it is important to note which way the helix spirals on the hose (not all manufacturers spiral their hoses in the same direction). As a general guide with most bolt-style clamps, use 1 clamp per hose end for sizes up to 1-1/2", 2 clamps for 2"-4", 3 clamps for 5"-6", and 4 clamps for larger sizes.

Hose ID	Part #	Stk	Bulk Pkg
<b>Right Hand (Clockwise) Plated Steel</b>			
2"	N675-200	C	5
2-1/2"	N675-250	C	5
3"	N675-300	C	5
4"	N675-400	B	5
5"	N675-500	C	5
6"	N675-600	A	5
8"	N675-800	A	5
10"	N675-1000	B	5
12"	N675-1200	C	5
<b>Left Hand (Counter Clockwise) Plated Steel</b>			
2"	N676-200	C	5
2-1/2"	N676-250	C	5
3"	N676-300	B	5
4"	N676-400	A	5
5"	N676-500	C	5
6"	N676-600	A	5
8"	N676-800	A	5
10"	N676-1000	B	5
12"	N676-1200	C	5
<b>Left Hand (Counter Clockwise) Stainless Steel</b>			
3"	N676-300SS	N	5
4"	N676-400SS	N	5
6"	N676-600SS	N	5
8"	N676-800SS	N	5

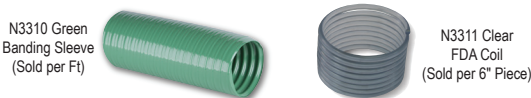
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Clamps

## Banding Coils/Spring Sleeves For Corrugated Hoses

These are used on corrugated hoses with a PVC helix when using band clamps or strapping (typically not required when using crimp sleeves to attach hose ends). They are wrapped onto the hose for about 6-10" at the ends and permit a neat, flat surface for better clamping integrity and reduced chance of damaging the hose. They are available for a right hand (clockwise) or left hand (counter clockwise) helix.



Hose ID	Part #	Stk	Bulk Pkg
<b>Left Hand Spring Coil - Clear Colour Sleeve (FDA)</b>			
2"	N3311-200	N	1 pc
3"	N3311-300	C	1
4"	N3311-400	B	1
5"	N3311-500	C	1
6"	N3311-600	C	1
<b>Left Hand Banding Sleeve - Green Colour</b>			
4"	N3310-400	C	3 ft

Hose ID	Part #	Stk	Bulk Pkg
<b>Right Hand Banding Sleeve - Orange Colour</b>			
3"	N3300-300	C	3 ft
4"	N3300-400	C	3
<b>Right Hand Spring Coil - White Colour</b>			
2"	N3301-200	B	3 ft
3"	N3301-300	B	3
4"	N3301-400	C	3

A = Very Common Item - Good Stock B = Common Item - Moderate Stock  
C = Less Common Item P = Production N = Check for Availability



Refer to the Technical Section on the selection, installation, use and maintenance of hose & fittings prior to use.



Our NS40 series (2-way sleeve coupler) and NS20 (1-way sleeve coupler) are a general purpose or agricultural quick connect that feature either a one-way or two-way sleeve (the two-way sleeve permits one hand hook up and breakaway when clamp or bulkhead mounted). Available with either ball or poppet type checks (both interchangeable, however ball & poppet type are not designed for use with each other and may affect performance). Compatible with Parker/Pioneer 4000 series, Safeway S20/40/70 series, Dayco QD2/QD4 series, Snaptite 21series, Perfecting R series, and Aeroquip FD76 series. They come with Buna-N seals (-20°F to +212°F, other seals available on request) and available with NPT, SAE ORB, or BSPP threads.

**042AG**

### Plated Steel Coupler (1-Way Sleeve)

Size	Working Pressure	Part #	Stk
<b>Standard Ball Tip Valve</b>			
1/4"	3000 psi	NS25A-2	B
3/8	3000	NS25-3	B
1/2	3000	NS25-4	B
3/4	3000	NS25-6F (3/4" body)	C
#08 ORB	3000	NS25-15	C
#10 ORB	3000	NS25-16	C
<b>Poppet Valve (improved sealing)</b>			
1/4"	3000 psi	NS25A-2P	C
3/8	3000	NS25-3P	N
1/2	3000	NS25-4P	C
1	2000	NS25-8P	C
1/2 BSP	3000	NS25-4P-BSP	N
#08 ORB	3000	NS25-15P	C
#10 ORB	3000	NS25-16P	N



### Plated Steel Coupler (2-Way Sleeve)

Size	Working Pressure	Part #	Stk
<b>Standard Ball Tip Valve</b>			
3/8"	3000 psi	NS45-3	N
1/2	3000	NS45-4	A
3/4	3000	NS45-6 (1/2" body)	C
#08 ORB	3000	NS45-15	N
<b>Poppet Valve (improved sealing)</b>			
1/4"	3000 psi	NS45-2P	C
3/8	3000	NS45-3P	C
1/2	3000	NS45-4P	A
3/4	3000	NS45-6P (1/2" body)	A
1/2 BSP	3000	NS45-4P-BSP	N
#08 ORB	3000	NS45-15P	N



### Replacement O-Rings for Couplers

Size	Material	Part #	Stk	Pkg
<b>Coupler O-Ring*</b>				
1/4"	Buna-N	NS460B-2	C	10
3/8	Buna-N	NS460B-3	C	10
1/2	Buna-N	NS460B-4	C	10
3/4	Buna-N	NS460B-6	C	10
1	Buna-N	NS460B-8	C	10
<b>Poppet Valve (improved sealing)</b>				
	PTFE	NS461T-x	C	10

\*Replace B with either E for EPDM or V for Viton.



Ball Tip

Poppet Valve

### Plated Steel Nipple

Size	Working Pressure	Part #	Stk
<b>Standard Ball Tip Valve</b>			
1/4"	3000 psi	NS41-2	B
3/8	3000	NS41-3	B
1/2	3000	NS71-4	A
3/4	3000	NS71-6 (1/2" body)	C
3/4	3000	NS21-6F (3/4" body)	B
#08 ORB	3000	NS71-15	C
#10 ORB	3000	NS71-16	C
<b>Poppet Valve (improved sealing)</b>			
1/4"	3000 psi	NS41-2P	C
3/8	3000	NS41-3P	C
3/8	3000	NS71-3P	C
1/2	3000	NS71-4P	A
3/4	3000	NS71-6P (1/2" body)	C
1	2000	NS21-8P	C
1/2 BSP	3000	NS71-4P-BSP	N
#08 ORB	3000	NS71-15P	N
#10 ORB	3000	NS71-16P (1/2" body)	N



NS44 Series Dust Plugs



NS49 Series Dust Caps

### Dust Plug (for Coupler) & Dust Cap (for Nipple)

Quick connects often result in contamination getting into hydraulic systems, so dust caps and plugs are recommended.

Body Size	Material	Part #	Stk
<b>Dust Plug (for Couplers)</b>			
1/4"	Vinyl/Rubber	NS44-2	C
3/8	Vinyl/Rubber	NS44-3	C
1/2	Vinyl/Rubber	NS44-4	B
3/4	Vinyl/Rubber	NS44-6	C
1	Vinyl/Rubber	NS44-8	C
<b>Dust Cap (for Nipples)</b>			
1/4"	Vinyl/Rubber	NS49-2	C
3/8	Vinyl/Rubber	NS49-3	C
1/2	Vinyl/Rubber	NS49-4	B
3/4	Vinyl/Rubber	NS49-6	C
1	Vinyl/Rubber	NS49-8	C





Use N602 In-Line Snubber/Filter to prevent gauge from clogging or damage from surging.



Available with NMP- Flush Face Slip-On Panel Mount (Suffix F)

## Standard Dry Gauge-Center Back Mount (CBM)

NPT Size	Part #	Stk	Pressure Range
<b>1-1/2" Dial Diameter</b>			
1/8"	NDC-150-030	B	0-30 psi
1/8"	NDC-150-060	B	0-60
1/8"	NDC-150-100	C	0-100
1/8"	NDC-150-160*	A	0-160
1/8"	NDC-150-200	C	0-200
<b>2" Dial Diameter</b>			
1/4"	NDC-200-060	C	0-60 psi
1/4"	NDC-200-100	B	0-100
1/4"	NDC-200-160	A	0-160
1/4"	NDC-200-200	B	0-200
1/4"	NDC-200-300	C	0-300
<b>2-1/2" Dial Diameter</b>			
1/4"	NVC-250-030 (vac)	C	30" hg

## Liquid Filled - Center Back Mount (CBM)

NPT Size	Part #	Stk	Pressure Range
<b>2-1/2" Dial Diameter</b>			
1/4"	NVLC-250-030 (vac)	B	30" hg
1/4"	NLC-250-030	C	0-30 psi
1/4"	NLC-250-060	C	0-60
1/4"	NLC-250-100	B	0-100
1/4"	NLC-250-160	A	0-160
1/4"	NLC-250-200	B	0-200
1/4"	NLC-250-300	C	0-300
1/4"	NLC-250-400	C	0-400
1/4"	NLC-250-600	C	0-600
1/4"	NLC-250-1000	C	0-1000
1/4"	NLC-250-1500	C	0-1500
1/4"	NLC-250-2000	C	0-2000
1/4"	NLC-250-3000	B	0-3000
1/4"	NLC-250-5000	B	0-5000
1/4"	NLC-250-6000	C	0-6000
1/4"	NLC-250-10000	C	0-10000
1/4"	NLC-250-15000	C	0-15000
<b>4" Dial Diameter</b>			
1/4"	NLC-400-100	C	0-100 psi
1/4"	NLC-400-160	C	0-160
1/4"	NLC-400-200	N	0-200
1/4"	NLC-400-1500	N	0-1500
1/4"	NLC-400-2000	C	0-2000
1/4"	NLC-400-3000	C	0-3000
1/4"	NLC-400-5000	C	0-5000

## Regular Gauges w/ Stainless Internals

These are used in the same applications as our regular NLL and NLC gauges with brass internals, however these offer stainless internals for more harsh environments which are subject to corrosion. They have a 304 stainless steel case, 316 stainless internals, polycarbonate lens, glycerin liquid fill (silicone is optional). Note: Liquid gauges should be perforated or "burped" when installed. Refer to HosePro installation recommendation for liquid filled gauges listed in this section.



## All Stainless Liquid Filled - Center Back Mount

NPT Size	Part #	Stk	Pressure Range
<b>2-1/2" Dial Diameter</b>			
1/4"	NCLC-250-030SS	C	30"-0-30 psi
1/4"	NLC-250-030SS	C	0-30
1/4"	NLC-250-060SS	C	0-60
1/4"	NLC-250-100SS	C	0-100
1/4"	NLC-250-160SS	C	0-160
1/4"	NLC-250-200SS	C	0-200
1/4"	NLC-250-300SS	C	0-300
1/4"	NLC-250-600SS	C	0-600
1/4"	NLC-250-1000SS	C	0-1000
1/4"	NLC-250-1500SS	C	0-1500
1/4"	NLC-250-3000SS	C	0-3000
1/4"	NLC-250-5000SS	C	0-5000

\*For other configurations, refer to our Premium WP Series

## All Stainless Liquid Filled - Lower Mount

NPT Size	Part #	Stk	Pressure Range
<b>2-1/2" Dial Diameter</b>			
1/4"	NVLL-250-030SS (vac)	C	30" hg
1/4"	NCLL-250-030SS (both)	C	30"-0-30 psi
1/4"	NCLL-250-150SS (both)	C	30"-0-150 psi
1/4"	NLL-250-030SS	C	0-30
1/4"	NLL-250-060SS	C	0-60
1/4"	NLL-250-100SS	C	0-100
1/4"	NLL-250-160SS	C	0-160
1/4"	NLL-250-200SS	C	0-200
1/4"	NLL-250-300SS	C	0-300
1/4"	NLL-250-600SS	C	0-600
1/4"	NLL-250-1000SS	C	0-1000
1/4"	NLL-250-1500SS	C	0-1500
1/4"	NLL-250-3000SS	C	0-3000
1/4"	NLL-250-5000SS	C	0-5000
1/4"	NLL-250-10000SS	C	0-10000

\*For other configurations, refer to our Premium WP Series





These are high quality, accurate gauges designed for critical applications, hydraulic applications, or harsh environments which are subject to corrosion, abuse, temperature fluctuations, or applications with vibration and regular pressure fluctuations. They are ASME B40.100 compliant & CRN registered. They have black and red markings, a 304 stainless steel case, polycarbonate lens, glycerin liquid fill (silicone is optional), and either brass or stainless steel internals (stainless have a 316L socket/bourdon tube). Other configurations are available. When selecting a gauge, the ideal working pressure should be at the 12:00 position as the middle third is the most accurate. Note: Liquid gauges should be perforated or "burped" when installed. Refer to HosePro installation recommendation for liquid filled gauges listed in this section.



Use N602 In-Line Snubber/Filter to prevent gauge from clogging or damage from surging.



400



### Liquid Filled w/ Stainless Internals (Lower Mount)

NPT Size	Part #	Stk	Pressure Range
<b>2-1/2" Dial Diameter - Liquid Filled</b>			
1/4"	WP820 (vacuum)	C	30" hg
1/4"	WP861 (vac/press)	C	30"-0-30
1/4"	WP862 (vac/press)	C	30"-0-60
1/4"	WP863 (vac/press)	C	30"-0-100
1/4"	WP864 (vac/press)	C	30"-0-150
1/4"	WP821	C	0-15 psi
1/4"	WP822	C	0-30
1/4"	WP823	C	0-60
1/4"	WP824	C	0-100
1/4"	WP825	C	0-160
1/4"	WP826	C	0-200
1/4"	WP827	C	0-300
1/4"	WP880	C	0-400
1/4"	WP828	C	0-600
1/4"	WP829	C	0-1000
1/4"	WP834	C	0-1500
1/4"	WP830	C	0-2000
1/4"	WP831	C	0-3000
1/4"	WP832	C	0-5000
1/4"	WP833	C	0-10000
1/4"	WP835	N	0-15000

\*Many other configurations available, including 4" & 6" faces.

### Liquid Filled w/ Stainless Internals (Center Back Mount)

NPT Size	Part #	Stk	Pressure Range
<b>2-1/2" Dial Diameter - Liquid Filled</b>			
1/4"	WP840 (vacuum)	C	30" hg
1/4"	WP871 (vac/press)	C	30"-0-30
1/4"	WP873 (vac/press)	C	30"-0-100
1/4"	WP874 (vac/press)	C	30"-0-150
1/4"	WP921	C	0-15 psi
1/4"	WP922	C	0-30
1/4"	WP923	C	0-60
1/4"	WP924	C	0-100
1/4"	WP925	C	0-160
1/4"	WP926	C	0-200
1/4"	WP927	C	0-300
1/4"	WP881	N	0-400
1/4"	WP928	N	0-600
1/4"	WP929	N	0-1000
1/4"	WP934	N	0-1500
1/4"	WP930	N	0-2000
1/4"	WP931	C	0-3000
1/4"	WP852	C	0-5000

\*Many other configurations available, including 4" & 6" faces.

## 4" & 6" Face LF Series Quality/Premium Gauges w/ Stainless Internals

These are similar to our LF/WP series gauges but incorporate a larger face for applications requiring a more visible dial. They are high quality, accurate gauges designed for critical applications, hydraulic applications, or harsh environments which are subject to corrosion, abuse, temperature fluctuations, or applications with vibration and regular pressure fluctuations. They are ASME B40.100 compliant & CRN registered. They have black and red markings, a 304 stainless steel case, polycarbonate lens, glycerin liquid fill (silicone is optional), and stainless steel internals (stainless have a 316L socket/bourdon tube). Other configurations are available. **Note:** Liquid gauges should be perforated or "burped" when installed. Refer to HosePro installation recommendation for liquid filled gauges listed in this section.



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### Liquid Filled w/ Stainless Internals-Lower Mount

NPT Size	Part #	Stk	Pressure Range
<b>4" Dial Diameter - Liquid Filled</b>			
1/2"	WP658	C	0-60 psi
1/2"	WP659	C	0-100
1/2"	WP660	C	0-160
1/2"	WP661	C	0-200
1/2"	WP662	C	0-300
1/2"	WP666	N	0-400
1/2"	WP663	N	0-600
1/2"	WP664	N	0-1000
1/2"	WP665	C	0-1500

NPT Size	Part #	Stk	Pressure Range
<b>4" Dial Diameter - Liquid Filled</b>			
1/2"	WP667	N	0-2000 psi
1/2"	WP668	C	0-3000
1/2"	WP669	C	0-5000
1/2"	WP670	C	0-10000
1/2"	WP672	C	0-20000
<b>6" Dial Diameter - Liquid Filled</b>			
1/4"	WP1062	N	0-100 psi

\*Other configurations available.



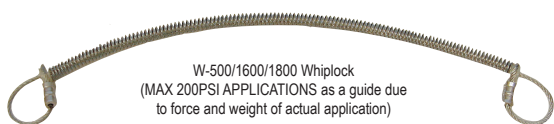


These are commonly used on hose for air, water, steam, sandblast or other pressure applications (as a guide, maximum 200psi applications due to force and weight of the actual application) to help prevent accidents or injury resulting from a hose "whipping" in the event of a hose failure or coupling blow-off. They are not designed for lifting or towing. Hose Restraints are required by the Workers Compensation Board, Canada Occupational Health & Safety, Bureau of Mines, OSHA, and others in order to provide a positive safeguard and prevent injury or property damage. Our 'Whipchecks' are made of plated steel or stainless steel cable with spring loaded loops to pass over couplings for a firm grip on the hose (must be installed in the extended position so there is no slack present - image shown below). Our 'Whiplocks' have a unique sleeve that eliminates metal-to-metal friction making them easier to install & remove, especially for use on larger sizes or on layflat style hoses where standard Whipchecks do not provide enough grip on the hose. 'Whiplocks' are also manufactured to stricter tolerances (ASTM A764.79) which offers greater tensile strength. We also offer Hose Halters, which are commonly used in the concrete industry as they remain flexible after they come in contact with concrete and can be rinsed for reuse. Also Available: Testing & Certification is available for all of our safety restraining devices, please contact our Customer Service Team for further details.

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WB-1 & WA-2 Plated Steel & Stainless Steel Whipcheck  
(MAX 200PSI APPLICATIONS as a guide due to force and weight of actual application)



W-500/1600/1800 Whiplock  
(MAX 200PSI APPLICATIONS as a guide due to force and weight of actual application)



WSR-1 & WSR-2 Hose-to-Tool  
(MAX 200PSI APPLICATIONS as a guide due to force and weight of actual application)

## WorkSafe™

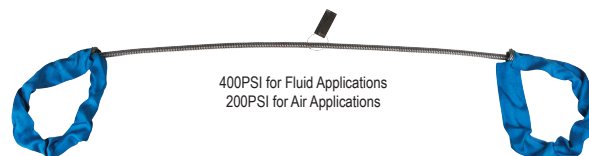
**Section 12.15 Restraining Devices**

Effective means of restraint must be used:

- (a) On a connection of a hose or pipe if inadvertent disconnection could be dangerous to a worker,
- (b) if unplanned movement of an object or component could endanger a worker, or
- (c) to secure an object from falling and endangering a worker.

Hose ID Range	Part # (Wire Size)	Stk	Bulk Pack
<b>Plated Steel Whipcheck (Hose-to-Hose Use)</b>			
1/2 - 1-1/4"	WB-1 (1/8")	A	10
1-1/2 - 3	WA-2 (1/4")	A	10
3-1/2 - 6	WA-3 (3/8")	C	10
<b>Stainless Steel Whipcheck (Hose-to-Hose Use)</b>			
1/2 - 1-1/4"	WB-1SS (1/8")	C	10
1-1/2 - 3	WA-2SS (1/4")	C	10
<b>Whiplock (Hose to Hose Use)*</b>			
1/2 - 1-1/4"	W-500	C	10
1-1/2 - 3	W-1600	C	10
3-1/2 - 6	W-1800	C	10
<b>Whip Choker</b>			
1/4 - 1"	WCC-009	N	10
1/2 - 1-1/2	WCC-013	N	10
1/2 - 1-1/2	WCC-019	N	10
1-1/2 - 3	WCC-025	N	10
1-1/2 - 3	WCC-031	N	10
1-1/2 - 4	WCC-038	N	10
2 - 6	WCC-044	N	10
5 - 12	WCC-050	N	10
<b>Hose-to-Tool Use</b>			
1/2 - 1-1/4"	WSR-1 (1/8")	C	10
1-1/2 - 3	WSR-2 (1/4")	C	10
4	WSR-4 (3/8")	N	10

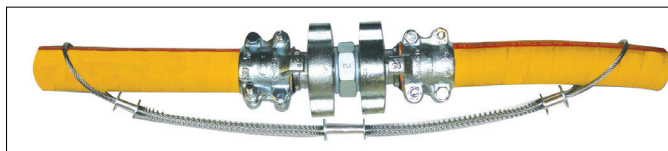
\*Available in Stainless (suffix -SS) upon special request.



400PSI for Fluid Applications  
200PSI for Air Applications

### Steel Wire Hose-to-Hose Safety Cable Choker

Hose ID Range	Part # (Wire Size)	Stk
8 - 10"	CHC-1000	C
12	CHC-1200	N

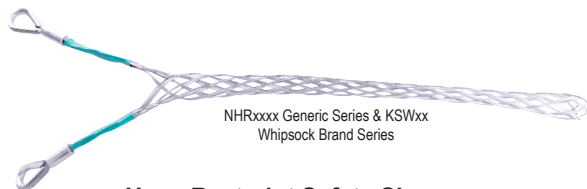


**Whipcheck Safety Cables are to be used on all Heavy Duty Air Hose Assemblies. Shown properly installed with no slack, fully extended.**



Hose Restraint Safety Sleeves fit over a hose assembly end by a few feet (like a sock) and have two thimble eyes to anchor the hose to the equipment and reduce the possibility of hose whip in the event of coupling failure; as well as they can help support the suspended weight of the line and take the strain off the end connection, however they are NOT designed for lifting or towing. They are used in heavy duty air, water, slurry, or some hydraulic applications (shackles and anchor points must be able to withstand the breaking strength of the restraint mesh). They are manufactured from two-ply galvanized strand making them durable and resistant to corrosion and weathering. For ease of installation they should be installed before actually inserting the hose coupling when making the hose. Refer to our website for installation instructions; operators must be aware of the potential hazards and limitations. Mesh Restraints are not suitable for applications subject to negligence, oversight, or poorly designed systems or routing. Never disconnect a coupling that is under pressure, even when machine is off.

236S



NHRxxxx Generic Series & KSWxx  
Whipsock Brand Series

## Hose Restraint Safety Sleeves

Hose Range	O.D. Part #	Shackle Size	Grip Length	Tensile Strength*	Stk
<b>Generic / Unbranded</b>					
0.75-1.10"	NHR4019	1/4"	19.69"	38 kN*	C
1.10-1.57	NHR4028	3/8	23.62	57	C
1.57-1.97	NHR4040	3/8	31.50	57	C
1.97-2.36	NHR4050	3/8	35.43	100	C
2.36-2.76	NHR4060	1/2	35.43	100	C
2.76-3.35	NHR4070	1/2	39.37	100	C
3.35-3.94	NHR4085	1/2	39.37	158	C
3.94-4.72	NHR4100	1/2	47.24	158	C
4.72-5.91	NHR4120	1/2	55.12	211	C
5.91-7.48	NHR4150	3/4	63.00	305	C

### Genuine Whipsock Brand - Heavy Duty

0.32-0.55"	KSW06	1/4"	15.8" OAL	12.7kN*	N
0.55-0.79	KSW08	1/4	21.7 OAL	12.7	N
0.79-1.18	KSW12	1/4	25.2 OAL	27.5	N
1.18-1.58	KSW16	3/8	34.3 OAL	27.5	N
1.58-1.97	KSW20	3/8	38.2 OAL	27.5	N
1.97-2.36	KSW24	3/8	49.2 OAL	27.5	N
2.36-2.76	KSW32	3/8	51.2 OAL	91.2	N
2.76-3.35	KSW40	3/8	53.2 OAL	91.2	N
3.35-3.94	KSW48	1/2	72.2 OAL	120.6	N
3.94-4.72	KSW56	1/2	72.2 OAL	120.6	N
4.72-5.51	KSW64	1/2	86.6 OAL	156.9	N
5.51-7.09	KSW96	1/2	93.3 OAL	156.9	N

\*Tensile strength measured in Kilonewtons (kN), to convert to Lbs multiply kN rating by approx. 225 times, and to Kg multiple kN rating by approx. 102.



Industry Flows Through Us



Image shows 2-Bolt Hobbler installed with shackle on whip sock

## Hose Hobbler

Hose O.D.	Part #	Stk
<b>2-Bolt Hobbler</b>		
3/4"	HOBBLE-2-075	N
1	HOBBLE-2-100	C
1-1/4	HOBBLE-2-125	N
1-1/2	HOBBLE-2-150	C
2	HOBBLE-2-200	C
3	HOBBLE-2-300	C
3-1/2	HOBBLE-2-350	N
4	HOBBLE-2-400	N
4-1/2	HOBBLE-2-450	N
5	HOBBLE-2-500	N
5-1/2	HOBBLE-2-550	N
6-1/2	HOBBLE-2-650	N
<b>4-Bolt Hobbler</b>		
2"	HOBBLE-4-200	N
3	HOBBLE-4-300	N
3-1/2	HOBBLE-4-350	N
4	HOBBLE-4-400	N
4-1/2	HOBBLE-4-450	N
5	HOBBLE-4-500	N
5-1/2	HOBBLE-4-550	N
6	HOBBLE-4-600	N
6-1/2	HOBBLE-4-650	N
7	HOBBLE-4-700	N
8	HOBBLE-4-800	N
10	HOBBLE-4-1000	N
12	HOBBLE-4-1200	N



## Hose Shackle

Size	Part #	Working Load	Stk
3/4"	SHACKLE-025	1100 lbs	C
3/8	SHACKLE-038	2200	C
1/2	SHACKLE-050	4400	C
3/4	SHACKLE-075	10000	C





Handle-Tech Hose & Pipe Safety Handles are an innovative tool designed to improve safety and efficiency for manual handling of hose and pipe. Made from Long Glass Nylon, HT Handles offer a high level of durability, impact and wear resistance and thermal insulation properties. Ideal for applications where contact with contaminated materials needs to be avoided and where the safe and efficient handling and maneuvering of hose assemblies is desired. HT Handles are found in applications such oil & gas, frac operations, petrochemical plants, tank truck, food processing, petroleum dispensing, vac trucks, agricultural and manufacturing. Each Handle comes with a side handle grip that can be mounted either side of the main handle. An additional round side handle grip can be added for more versatility. HT Handle types can be used interchangeably with hose and pipe; however, the Hose Handle (HTH Series) have 3/4" of adjustability with 320° of clamping allowing lifting of rigid or collapsible hose. The Pipe Handle (HTP Series) has a full inch of adjustability and grips on 3 contact points across 230°, allowing for secure grip of rigid pipe or hose. **Warning:** Maximum lifting weight 400lbs/181kg. Designed to be used as a hand tool only.

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**Temperature:** -40°C (-40°F) to +65°C (150°F)

- ✓ **Improve Safety & Efficiency of Hose Handling**
- ✓ **Reduce Exposure to Chemicals & Contaminants**
- ✓ **Easy-to-Clean, Can be Power Washed & Steam Cleaned**
- ✓ **Industrial Design is Durable, Lightweight & Cost Effective**



**HANDLE  
TECH**



**Hose Handles**

Size	Part #	OD Range	Weight (Lbs)	Stk	Bulk Qty
3"	HTH-300	3.00-3.75"	2.9	C	1
4"	HTH-400	4.00-4.75	3.1	B	1
6"	HTH-600	6.00-6.75	3.7	C	1
<b>Replacement Handle Only</b>					
	HTR-1		0.5	C	1

**Hard Pipe Handles**

Size	Part #	OD Range	Weight (Lbs)	Stk	Bulk Qty
2"	HTP-200	1.50-2.50"	3.1	C	1
3"	HTP-300	3.00-3.50	3.3	C	1
4"	HTP-400	4.00-4.50	3.5	N	1

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Hose Safety







White Oil/Fuel Only  
ES-698 Contractor Grade  
ES-702 Med Duty Dimpled

Grey Universal  
ES-690S Contractor Grade  
ES-700 Med Duty Dimpled

Yellow Hazmat  
ES-699 Contractor Grade  
ES-704 Med Duty Dimpled

### Spill Pads

These are used to clean up minor spills around the work site. It should be noted that some low cost, low quality brands on the market offer minimal absorption rates, not much better than paper shop towels. As a general consideration, ours can handle 1L absorption per pad. There are also very thin (1.0-1.5mm) melt blown, non-dimpled pads available, however we do not stock at this time.

**ES-698/702** White pads are used for oil, fuel, hydrocarbon, or lubricant cleanup; they will float on water and only absorb oil.

**ES-690S/700** Grey Universal pads can be used for oil, fuel, hydrocarbons, lubricants, water, antifreeze, coolants, fertilizers, and non-aggressive solvents. Not for marine oil spills (absorbs water).

**ES-699/704** Yellow Hazmat Chemical pads can be used for all water based and oil based fluids, but also designed for aggressive liquids like acids and bases.

Part #	Description	Stk	Pkg
<b>Contractor Grade Pads (2mm/0.08" Thick)</b>			
ES-698*	White Oil/Fuel Pad (15" x 18" 100 Pack)	A	100
ES-698X25	White Oil/Fuel Pad (25 Pack)	A	25
ES-609S*	Grey Universal Oil/Fuel/Water Pad (100 Pack)	A	100
ES-609SX25	Grey Universal Oil/Fuel/Water (25 Pack)	A	25
ES-699	Yellow Hazmat Pad (100 Pack)	A	100
ES-699X25	Yellow Hazmat Pad (25 Pack)	P	25
<b>Medium Duty Dimpled Pads (3mm/0.12" Thick)</b>			
ES-702	White Oil/Fuel Pad (15" x 18" 100 Pack)	A	100
ES-700	Grey Universal Oil/Fuel/Water Pad	A	100
ES-704	Yellow Hazmat Pad (100 Pack)	B	100

\*Available by the skid (7200pcs)



ES-698X25  
Carry Bags

ES-690SX25  
Carry Bags

ES-699X25  
Carry Bags

### Spill Pads Retail Pack

Part #	Description	Stk	Pkg
<b>Contractor Grade Pads (2mm/0.08" Thick)</b>			
ES-698X25	White Oil/Fuel Pad (25 pack)	A	25
ES-690SX25	Grey Universal Oil/Fuel/Water (25 pack)	A	25
ES-699X25	Yellow Hazmat (25 pack)	P	25



ES-698R30  
30"x300ft

ES-690R30  
30"x300ft

### Spill Pad Rolls

These rolls allow users to cut to length or size required

**ES-698R30** White Spill Rolls are used for oil, fuel, hydrocarbon, or lubricant cleanup; they will float on water and only absorb oil.

**ES-690R30** Grey Universal Spill Rolls can be used for oil, fuel, hydrocarbons, lubricants, water, antifreeze, coolants, fertilizers, and non-aggressive solvents. Not for marine spills (absorbs water).

Part #	Description	Stk	Pkg
<b>Contractor Grade Rolls</b>			
ES-698R30	White Oil/Fuel (30" x 300')	C	1
ES-690R30	Grey Universal Oil/Fuel/Water (30" x 300')	C	1

EXPANDED SELECTION

We now carry an expanded selection of Emergency Response Spill Products including hazmat yellow spill pads, socks & pillows and new spill pails and bins!







ES-603 (Individual Piece & 40 Pieces Bags)



ES-605 (Individual Piece)



ES-607 (Individual Piece)

## Spill Socks

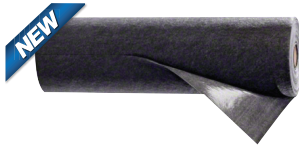
Spill socks are used mostly around equipment or tight spaces which require an absorbent that can bend and conform around objects and have the ability to rapidly contain small spills. You can also use to redirect flow or contain a spill from spreading.

**ES-603** White Socks are used for oil, fuel, hydrocarbon, or lubricant clean-up; they will float on water and only absorb oil.

**ES-607** Grey Universal Socks can be used for oil, fuel, hydrocarbons, lubricants, water, antifreeze, coolants, fertilizers, and non-aggressive solvents.

**ES-605** Yellow Hazmat Chemical Socks can be used for all water based and oil based fluids, but also designed for aggressive liquids like acids and bases.

Part #	Description	Stk
ES-603	White Oil/Fuel (3" x 4')	C
ES-607	Grey Universal Oil/Fuel/Water (3" x 4')	C
ES-605	Yellow Hazmat (3" x 4')	C



## Stay-In-Place Floor Spill Pad Roll

This universal absorbent matting has an impermeable backing so they do not slip when placed on floor. It is suitable under forklifts, workstations, equipment, foot traffic areas to keep fluids off the floor and reduce slipping hazards, stains, etc. They are durable and reusable (can be vacuumed). We can supply in full rolls or cut to length (linear foot).

Part #	Description	Stk
ES-SIP-36	36" Wide x 100 ft	C



## Catch Basin Storm Sewer Donut & Sacks

These are designed to pond the drainwater and filter into the catch basin in plants, workyards, etc (4" high). The filter fabric wraps around the grate and fastened with the belt/buckles, and then the protected catch basin grate is reinserted. Sweep off debris and reuse.

Part #	Description	Stk
ES-CBR-24X16	Rectangle, Nominal 24 X 16, high flow	B
ES-CBC-21	Circle, Nominal 21-24", high flow	C
ES-CBS-24	Orange Sack 24", medium flow	B

A = Very Common Item - Good Stock B = Common Item - Moderate Stock  
C = Less Common Item P = Production N = Check for Availability



Refer to the Technical Section on the selection, installation, use and maintenance of hose & fittings prior to use.  
[new-line.com](http://new-line.com)



## Mesh Sock Large Boom (4pc Bag)

Booms are floating barriers used to contain and minimize oil on top of water. They feature an outer mesh sleeve that encases a poly sock of highly-absorbent polypropylene (won't shed), and they won't sink even when saturated with oil. A nylon rope and sturdy hardware ensure long lasting durability and easy retrieval. Supplied in 4pc Bag.

Part #	Description	Stk
ES-510	5' x 10' Sock Boom (4pc Bag)	C
ES-810	5' x 10' Sock Boom (4pc Bag)	C



ES-644 & ES-645 (Individual Piece)



ES-641 & ES-642 (Individual Piece)



ES-647 & ES-648 (Individual Piece)

## Spill Pillows

These spill pillows are usually deployed under large leaks (they can hold higher volumes of fluid) or in tight, cramped areas.

**ES-644/645** White Pillows are used for oil, fuel, hydrocarbon, or lubricant clean-up; they will float on water and only absorb oil.

**ES-641/642** Grey Universal Pillows can be used for oil, fuel, hydrocarbons, lubricants, water, antifreeze, coolants, fertilizers, and non-aggressive solvents. Not for marine spills (absorbs water).

**ES-647/648** Yellow Hazmat Chemical Pillows can be used for all water based and oil based fluids, but also designed for aggressive liquids like acids and bases.

Part #	Description	Stk
ES-644	White Oil/Fuel (10" x 18")	A
ES-645	White Oil/Fuel (17" x 18")	A
ES-641	Grey Universal Oil/Fuel/Water (10" x 18")	A
ES-642	Grey Universal Oil/Fuel/Water (17" x 18")	B
ES-647	Yellow Hazmat (10" x 18")	A
ES-648	Yellow Hazmat (17" x 18")	B





## Standard Spill Kits - Clear Bag

These 17" x 21" x 4" clear plastic zipper bag kits contain 15pcs contractor grade pads (2mm), 2 absorbent socks, 2 pair nitrile gloves, 2 plastic disposable bags, 1 instruction booklet.

Part #	Description	Stk
ES-613PB	Oil/Hydrocarbons only, white pads & socks	B
ES-613PBU	Universal, grey pads & socks	B
ES-613PBH	Hazmat, yellow pads & socks	C



## Spill Kits - Yellow Bag

For users who prefer a different bag to our standard clear bags (but same contents), these 16" x 20" x 5" yellow nylon PVC coated zipper bag kits have 2mm contractor grade pads, 2 absorbent socks, 2 pair nitrile gloves, 2 plastic disposable bags, 1 instruction booklet.

Part #	Description	Stk
ES-613YB	Oil/Hydrocarbons only, white pads & socks	B
ES-613YBU	Universal, grey pads & socks	B
ES-613YBH	Hazmat, yellow pads & socks	C



## Combo Hydraulic Oil/Water Spill Kit Clear Bag

**ES-615PB:** Suitable for a various spills around trucks or mobile equipment with different fluids present. Contents: 10 white oil/fuel pads (ES-698), 10 grey universal absorbent pads (ES-690S oil, water, coolant & antifreeze), 2 white absorbent socks (ES-603), 2 pair nitrile gloves, 2 plastic disposable bags, 1 collapsible 8ml drip container, 1 instruction booklet.

Part #	Description	Stk
ES-615PB	Clear Vinyl Case 18" x 24" x 4"	C



## Spill Kits - Plastic Pail

These plastic pails (23 liter, 6 gallon) provide waterproof, protected storage. They contain 25pcs contractor grade pads (2mm), 1 absorbent sock, 5lb/2.3kg floordry, 2 pair nitrile gloves, 1 goggle, 1 plastic disposable bags, 1 instruction booklet.

Part #	Description	Stk
ES-705	Oil/Hydrocarbons only, white pads & socks	B
ES-705U	Universal, grey pads & socks	B
ES-705H	Hazmat, yellow pads & socks	C



## Spill Kits - Metal Pail

**ES-610MP Metal Pail Kit Contents:** 15 white oil/fuel pads (ES-698), 2 white oil/fuel absorbent socks (ES-603), 2 plastic disposable bags, 1 pair of gloves, 1 instruction booklet.

**ES-611MP CPPI\* Metal Pail Kit Contents:** This kit is recommended by the Canadian Petroleum Producers Institute and meets requirements on petroleum tanker trucks for the protection of sanitary storm sewer systems. The use of a steel container with a grounding strap reduces the risk of ignition from static electricity. Contents: 10 white oil/fuel poly absorbent pads (ES-698), 1 white oil/fuel absorbent sock (ES-603), 6 plastic disposable bags, 1 pair of gloves, 5lb floordry bag, 1 neoprene drain cover, 1x10ft grounding strap, 1 instruction booklet. These kits should be grounded for electrical continuity.

Part #	Description	Stk
<b>Standard Oil/Hydrocarbon Response Kit/Pail</b>		
ES-610MP	23L Metal Pail	C
<b>CPPI Oil/Hydrocarbon Response Kit/Pail*</b>		
ES-611MP	23L Metal Pail	C

\*Note: An aluminum shovel and absorbent floor dry must also be carried in the vehicle to met CCPI standards.



## Spill Kit Replacement Parts

Part #	Description	Stk
NLS-BUCKET-19L	Black Poly Bucket	C
ES-601L	Metal Lid Only	C
ES-601R	Snap Ring for Lid Only	C
ES-623MPUL	23L Unlined Metal Pail	C
ES-627SDECAL	Decal for 23L Pail	C
ES-RUBBERCORD	21" Bungie Strap	C
ES-SPLASHGOGGLE	Chemical Splash Goggles	C
ES-BAG	Plastic Disposable Bag	C
ES-DRAINCOVER	Neoprene Drain Cover	C
BAG-17X21PVC	Vinyl Zipper Bag w/ Handle	C
NLS-92600-L (Large)	Green Nitrile Disposable Glove	C
ES-600GC	10ft Grounding Cable	C
ES-PLUGPUTTY	10 oz Plug Putty w/ antifreeze	C
ES-BIN-xxx	Yellow Mobile Rolling Bins	C
ES-DRUM-360	Yellow OP 95G/360L Drum	C

A = Very Common Item - Good Stock B = Common Item - Moderate Stock  
C = Less Common Item P = Production N = Check for Availability





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### Spill Kits - Overpack Drum Bins (DOT/UN)

These overpack drum spill kits provide more storage compared to pails, and can be easily stationed around plants or workyards. They offer a water tight, screw down lid which can improve sealing in the outdoors (DOT/UN rated bin for a secure, leak free transport to a disposal site). The 95 gallon/360L bins (32" Diam x 41" High, absorption of 51 gallons/231 liters) contain 100pcs contractor grade pads (2mm), 6 small pillows, 2 large pillows, 7x4ft absorbent socks, 1 draincover, 1 plug pattie (stop leak), 20lbs/9kg of floordry, 2 pair nitrile gloves, 2 goggles, 2 plastic disposable bags & zap straps, 1 instruction booklet.

Part #	Description	Stk
<b>95 Gallon/360L Bin (DOT/UN Rated) - 32" Diameter x 41" High</b>		
ES-708	Oil/Hydrocarbons, white pads & socks	C
ES-708U	Universal, grey pads & socks	C
ES-708H	Hazmat, yellow pads & socks	P



### Spill Kits - Mobile Rolling Bins

The 64 gallon/240L bins contain 150pcs contractor grade pads (2mm), 15x4ft absorbent socks, 1 draincover, 20lbs/9kg of floordry, 2 pair nitrile gloves, 1 goggle, 6 plastic disposable bags & zap straps, 1 instruction booklet. The 95 gallon/360L bins contain 200 pads, 20 socks, 1 draincover, 20lbs/9kg of floordry, 10 pair nitrile gloves, 2 goggles, 15 plastic disposable bags, zap straps and 1 instruction booklet.

Part #	Description	Stk
<b>64 Gallon/240L Bin - 29"L x 23"W x 42"H</b>		
ES-709	Oil/Hydrocarbons, white pads & socks	C
ES-709U	Universal, grey pads & socks	C
ES-709H	Hazmat, yellow pads & socks	P
<b>95 Gallon/360L Bin - 34"L x 24"W x 42"H</b>		
ES-710	Oil/Hydrocarbons, white pads & socks	C
ES-710U	Universal, grey pads & socks	C
ES-710H	Hazmat, yellow pads & socks	P

## Absorbents (Dry) & Rags



ES-FLOORDRY-5LB ES-FLOORDRY-9KG (20lbs)



ES-FLOORDRY (36lbs)



### Shop Wiping Rags (Flannel)

Part #	Description	Stk
NLS-20509	10lbs Box	B
NLS-20510	20lbs Box	B

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### Sphag Sorb (Peat Absorbent)

Sphag Sorb is produced to specific standards that achieve the highest absorption of liquids while generating the least amount of waste. It is natural, organic, non-toxic, non-leaching, safe and easy to use. The fibrous structure of our product and the fact that the capillaries contain air and moisture reduces the tendency for soil compaction. This allows air, water, and heat to penetrate into the ground speeding up the remediation process.

Part #	Description	Stk
ES-SPHAG	2.2 cu ft 20lbs Bag	C

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### Standard Absorbent Floor Dry

Our Floor Dry is a granular absorbent containing less than 1% Free Crystalline Silica, allowing you to quickly and safely absorb alcohols, coolants, oils, fuels, paints and solvents without any special equipment for disposal or collection (always dispose of used product in accordance with your local and landfill regulations). It is not effected by temperature changes and will not rot or mold, and will absorb up to its weight in liquid.

Part #	Description	Stk
ES-FLOORDRY-5LB	5lbs Bag	P
ES-FLOORDRY-9KG	20lbs Bag	A
ES-FLOORDRY	36lbs Bag	C
ES-FLOORDRY-DRUM	108lbs Drum	C

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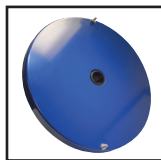


# Why Choose Our Hose Reels?

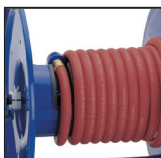
Hose reels keep work areas neat, organized, and safe while prolonging the life of hose assemblies. We offer many quality, low maintenance, reasonably priced hose reels from sizes 3/16" to 2" and pressures up to 5000psi. They are designed for frequent service of air, water, oil, grease, welding, fumes, pest control, or washdown in various plants, shops and industrial areas (materials used in reels must be compatible with the environment and product being conveyed, **DO NOT** use standard reels in corrosive or salt water environments). We can supply them with a spring rewind, air/electric motor, or with a simple manual crank. Hose assemblies (inlet and outlet) are mainly sold separately and typically installed once the reel has been mounted into position (depending on weight/mounting options). See our 'Live Swivels Section' for replacement swivels.



✓ **CNC Spun Discs**  
All steel rolled edges & ribbed discs for added safety, strength & durability.



✓ **Cartridge Motor**  
Enclosed factory tuned & matched cartridge style motor for safe & easy replacement.



✓ **Low Profile Riser**  
Low profile riser with open drum slot allows for smooth even hose wraps that will not pinch or bind the hose.



✓ **CPC Powder Coat**  
Blue powder coat finish that is long lasting, chip resistant & rust inhibiting.



✓ **All Welded Steel "A" Frame**  
All welded steel "A" frame for strength & durability, no bolts that can come loose!



✓ **External Fluid Path**  
External fluid path swivel, machined from solid brass or stainless steel offer easy leak detection & maintenance.





✓ **Direct Drive Motors**  
A solid steel halo is welded to the disc for a direct gear driven motor. No chain and sprocket which can slip off!



Dual axle Super Hub™ support

✓ **Super Hub**  
1/4" steel frame & support arm with dual axle support with SUPER HUB for increased strength & durability!

Let's Compare		
	<b>Conventional Spring Driven Reels</b>	
<b>Speed Whipping Impact</b>	<b>25 ft./sec.</b> <b>5-15 ft.</b> <b>500 ft./lbs.</b>	<b>5 ft./sec.*</b> <b>5 ft.</b> <b>0-1 ft./lbs.</b>
		<b>Up to 80% Slower Retraction</b>

\*Based on independent evaluation. Depending on certain conditions, results may vary.







**\*NOTE:** Please specify if using around salt water or highly corrosive areas as the plated steel parts/swivel need to be replaced with stainless steel.



SMK-202 Wall Mount Only

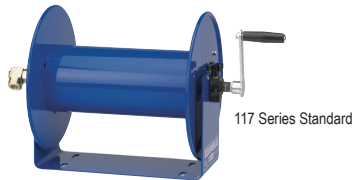
Hose & Wall Mount Supplied Separately

## Medium Duty Hand Crank Swivel Mount Reels

These are commonly used with pressure washer hose at car washes or on service trucks, but can also be used for shop air. When used with the wall mount (sold separately), the swivel base allows the hose to be pulled in a variety of directions. Maximum temperature rating 149°C (300°F).

**SM Wall Mount Only:** Mounting bracket for SM style reels. Black heavy gauge powder coated steel construction with rigid arm and 8-position locking pivot base. Weight: 8lbs.

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	H" x W" x D"	Stk
3/8" x 100 ft	3/8"	SM12-3-100	4,000 psi	14" x 19" x 12"	C
3/8 x 250	3/8	SM17-3-250	4,000	19 x 19 x 17	C
1/2 x 125	1/2	SM17-4-125	4,000	19 x 19 x 17	C
Wall Mount Only		SMK-202	-	-	C



117 Series Standard

## Medium Duty Hand Crank Reel

These are compact, lightweight reels for general air, water, pressure washer, or oil applications in shops or plants. Our reels are also available in Stainless Steel.

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	H" x W" D"	Stk
1/4" x 85 ft	3/8"	112-3-50	4,000 psi	13" x 14" x 12"	C
1/4 x 150	3/8	112-3-100	4,000	13 x 18 x 12	C
1/4 x 225	3/8	112-3-150	4,000	13 x 23 x 12	C
1/4 x 350	3/8	117-3-250	4,000	18 x 18 x 17	C
1/4 x 550	3/8	117-3-400	4,000	18 x 23 x 17	N
1/4 x 800	3/8	117-3-550	4,000	18 x 28 x 17	N
3/8 x 50	3/8	112-3-50	4,000	13 x 14 x 12	C
3/8 x 100	3/8	112-3-100	4,000	13 x 18 x 12	C
3/8 x 150	3/8	112-3-150	4,000	13 x 23 x 12	C
3/8 x 250	3/8	117-3-250	4,000	18 x 18 x 17	C
3/8 x 400	3/8	117-3-400	4,000	18 x 23 x 17	N
3/8 x 550	3/8	117-3-550	4,000	18 x 28 x 17	N
1/2 x 75	1/2	112-4-75*	4,000	13 x 23 x 12	C
1/2 x 225	1/2	117-4-225*	4,000	18 x 23 x 17	C
1/2 x 350	1/2	117-4-350	4,000	18 x 28 x 17	C
3/4 x 100	3/4	117-5-100*	4,000	18 x 23 x 17	C

\*Popular models are available in stainless steel, suffix-SS.

A70706X100-95-117DM  
Powerwash & Caddy

A9140025X200-117DM  
Sewer Cleaning Hose & Dolly



117-DM Series  
Dolly/Cart

PR Series HD  
Large Capacity

## Heavy Duty Hand Crank/Portable Mobile Reels

These are a heavy duty hose 'dolly' with a hand crank rewind. They are commonly used with air hose, garden hose, and pressure washer hose (GHT adapters sold separately).

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	H" x W" x D"	Stk
<b>Standard Dolly/Cart (4000 psi)</b>					
3/8" x 200 ft	3/8"	117-3-200-DM	4,000 psi	36" x 19" x 21"	C
3/8 x 315	1/2	117-4-225-DM	4,000	36 x 24 x 21	C
1/2 x 225	1/2	117-4-225-DM	4,000	36 x 24 x 21	C
5/8 x 150	1/2	117-4-225-DM	4,000	36 x 24 x 21	C
3/4 x 100	1/2	117-4-225-DM	4,000	36 x 24 x 21	C
<b>Large Capacity Dolly/Cart</b>					
3/4" x 150 ft	1"	PR1500-6-100	3,000 psi	40" x 26" x 24"	C
1 x 100	1	PR1500-6-100	3,000	40 x 26 x 24	C
<b>Powerwash/Pressure Washer Hose on Dolly Mount Reel*</b>					
3/8" x 100 ft	3/8"	A70706X100-95-117DM			C
<b>Drain Cleaning Hose on Dolly Mount Reel</b>					
1/4" x 200 ft	3/8"	A9140025X200-117DM			C

\*Other sizes are available.



112/117-CM  
Series Hand Carry

A9140-CM  
Sewer Cleaning  
Hose & Caddy

## Medium Duty Hand Crank Rewind Hose Reel/Carrying Caddy

These are compact, lightweight reels for general air, water, pressure washer, or oil applications in shops or plants. Our reels are also available in Stainless Steel (117-SS).

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	H" x W" x D"	Stk
1/4" x 150 ft	3/8"	112-3-100-CM	4,000 psi	15" x 18" x 13"	C
1/4 x 225	3/8	112-3-150-CM	4,000	15 x 23 x 13	C
3/8 x 100	3/8	112-3-100-CM	4,000	15 x 18 x 13	C
3/8 x 150	3/8	112-3-150-CM	4,000	15 x 23 x 13	C
1/2 x 225	1/2	117-4-225-CM	4,000	19 x 23 x 18	C
<b>Drain Cleaning Hose on Hand Carry Caddy*</b>					
1/4" x 100 ft	3/8"	A9140025X100-117CM			C

\*Other lengths and sizes are available upon request.

