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HOSE & FITTINGS



**FOOD
DAIRY &
BEVERAGE**
First Edition

We are a customer focused innovative industry leader providing vital solutions for the conveyance and control of gases, liquids and solids.
our specialized products, services, processes and people support a diversified range of industries and applications - all with the same mission:
To Keep Our Customers Moving as Industry Flows Through Us!



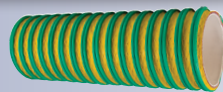
Top 12 Reasons to Choose Us!

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***We Keep You Moving with
Quality & Reliability You Can Trust***

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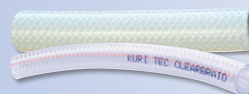
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NL5170 is a cost-effective, clear PVC food transfer hose with a smooth wall and a white PVC helix. It is commonly used for the suction or discharge of milk, syrup, juice, wine, pellets, non-abrasive granular materials/powders, or various other food processing applications. Its smooth exterior prevents hang-ups or material build-up on the outside and it allows for ease of clamping. Its clear properties allow the visual inspection of materials being conveyed. NL5170 is manufactured with FDA compliant compounds and meets USDA, and 3A Sanitary Standards.

Service Temperature Range: -23°C (-10°F) to +54°C (130°F)
Construction: Tube: Smooth, clear PVC. Cover: Smooth, clear PVC (NL5170) with a white helix in between, or with a solid white wall (NL4985). Reinforcement: Rigid, white PVC helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples, N400 series nylon/stainless barbs, sanitary fittings.

Note: When using camlocks for food applications the standard black nitrile gasket must be replaced with white food grade material.



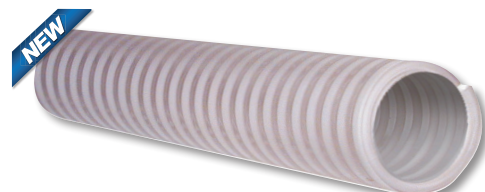
Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3/4"	NL5170-075	1.01"	100 psi / 28 in/Hg	2"	.21	N	100 ft
1	NL5170-100	1.27	90 / 28	3	.28	C	100
1-1/4	NL5170-125	1.53	90 / 28	4	.35	N	100
1-1/2	NL5170-150	1.82	85 / 28	5	.48	C	100
2	NL5170-200	2.37	65 / 28	5	.65	B	100
2-1/2	NL5170-250	2.90	60 / 28	8	.84	C	100
3	NL5170-300	3.46	55 / 28	9	1.18	C	100
4	NL5170-400	4.52	50 / 28	13	1.94	N	100

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

FDA

NL5172 - Low Temp PVC Food Transfer

The NL5172 has a smooth wall and a white PVC helix. It is used for low temp transfer of food grade liquids such as milk, beer, wine, and juice. It has a lower service temperature and bend radius than our NL5170, keeping the hose more flexible under cold temperatures. Its smooth exterior prevents hang-ups or material build up on the outside and it allows for ease of clamping. Its clear properties allow the visual inspection of materials being conveyed. NL5172 is manufactured with FDA compliant compounds and meets USDA and 3A Sanitary standards.



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

Construction: Tube: Smooth, clear PVC. Cover: Smooth, clear PVC with a white helix in between. Reinforcement: Rigid, white PVC helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples, N400 series nylon/stainless barbs, sanitary fittings.

Note: When using camlocks for food applications the standard black nitrile gasket must be replaced with white food grade material.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1-1/2"	NL5172-150	1.82"	85 psi / 28 in/Hg	5"	.48	N	100 ft
2	NL5172-200	2.37	65 / 28	5	.65	N	100
2-1/2	NL5172-250	2.90	60 / 28	8	.84	N	100
3	NL5172-300	3.46	55 / 28	9	1.18	N	100

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

FDA





NL5160 is a completely clear (has a clear helix) food transfer hose that provides maximum visual confirmation of the material being conveyed. It has a smooth wall to prevent hang-ups or material build up and the smooth exterior permits ease of clamping and can be cleaned more easily than corrugated hoses. It can be used for the suction or discharge of liquid or dry dairy products, fish, syrup, juice, wine, pellets, powder, non-abrasive granular materials, or various other food processing applications. This hose is manufactured with FDA compliant compounds and meets USDA, and 3A Sanitary Standards. We offer several brands based on user preference (NL5160/5161)



Service Temperature Range: -20°C (-4°F) to +60°C (150°F)

Construction: Tube: Smooth, clear PVC. Cover: Smooth, clear PVC. Reinforcement: Rigid, clear PVC helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples, N400 series nylon/stainless barbs, sanitary fittings.

Note: When using camlocks for food applications the standard black nitrile gasket must be replaced with white food grade material.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3/4"	NL5160-075	.94"	115 psi / Full in/Hg	3"	.17	B	100 ft
1	NL5160-100	1.28	100 / Full	3	.24	B	100
1-1/4	NL5160-125	1.56	90 / Full	4	.44	C	100
1-1/2	NL5160-150	1.80	85 / Full	6	.50	B	100
2	NL5160-200	2.36	85 / Full	8	.71	B	100
2-1/2	NL5160-250	2.88	65 / Full	10	.94	C	100
3	NL5160-300	3.42	55 / Full	11	1.14	C	100
4	NL5160-400	4.51	50 / Full	18	1.91	C	100
5	NL5160-500	5.51	40 / Full	28	2.41	N	20
6	NL5160-600	6.59	30 / Full	48	3.28	N	20
8	NL5160-800	8.85	25 / Full	60	5.67	N	20

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

FDA

NL5150 - PVC Clear Spring Wire NSF51/61 Transfer

NL5150 is a crystal clear, wire reinforced PVC hose that provides greater kink resistance over "tubing" and has a very smooth interior to prevent build-up. It is commonly used as a full vacuum or discharge line for beverage dispensing, potable water, deionized water, milk, juice, wine, syrup, high purity air, certain light chemical solutions, and various foodstuffs. The wire helix resists external abuse/crushing whereas a traditional PVC helix can typically crack. This hose is popular in food, packaging, industrial/commercial, and marine applications. This non-toxic, non-marking, silicone-free hose is manufactured with FDA compliant compounds and meets NSF, 3A, RoHS, and USDA requirements & is CFIA approved. A heavier wall version is also available from the factory on special request (NL5151). For industrial applications where there is less requirements for a high purity hose, we also offer a lower price point version (NL5145).

Kuri Tec



Service Temperature Range: -20°C (-4°F) to +65°C (150°F)

Construction: Tube: Ultra-smooth, clear PVC. Cover: Smooth, clear PVC.

Reinforcement: Electro-galvanized helical steel spring wire.

Typical Fittings: Stainless or white poly camlocks/combination nipples, N400 series nylon/stainless barbs, sanitary fittings.



Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1/4"	NL5150-025	.45"	150 psi / Full in/Hg	1"	.07	C	100 ft
3/8	NL5150-038	.60	100 / Full	1	.11	B	100
1/2	NL5150-050	.74	100 / Full	2	.15	A	100
5/8	NL5150-063	.86	100 / Full	2	.18	C	100
3/4	NL5150-075	1.03	70 / Full	3	.25	A	100
1	NL5150-100	1.29	70 / Full	4	.32	A	100
1-1/4	NL5150-125	1.60	70 / Full	5	.50	C	50
1-1/2	NL5150-150	1.85	50 / Full	6	.58	C	50
2	NL5150-200	2.39	50 / Full	8	.84	C	50
2-1/2	NL5150-250	3.00	50 / Full	10	1.38	N	50
3	NL5150-300	3.50	50 / Full	12	1.64	N	50

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

FDA

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.

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NL5154 and NL5155 are all-clear food grade hoses designed for the pneumatic transfer of powder, pellets, granular material, or various other food processing applications. Its smooth bore prevents materials from building up and its convoluted exterior provides increased flexibility. The clear wall permits maximum visibility of materials being conveyed. These hoses are manufactured with FDA compliant compounds and meets USDA, and 3A Sanitary Standards. The NL5154 is a plain, corrugated PVC transfer hose while the NL5155 incorporates a static wire which **must be physically grounded properly** for applications where the movement of materials creates a static build-up. NL5156 is available and is similar to the NL5155 but has a thinner wall for a reduced cost and is only designed for light powders.



Service Temperature Range: -20°C (-4°F) to +60°C (150°F)

Construction: Tube: Smooth, clear PVC. Cover: Convoluted, clear PVC. Reinforcement: Rigid, clear PVC helix. (NL5155 and NL5156 incorporate a copper wire for grounding). Helix rotation is brand specific, confirm if left or right hand from available stock.

Typical Fittings: Stainless or white poly camlocks/combination nipples, N400 series nylon/stainless barbs, sanitary fittings.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<u>Plain (No Static Wire)</u>							
1"	NL5154-100	1.30"	55 psi / 28 in/Hg	2"	.21	N	100 ft
1-1/4"	NL5154-125	1.60	50 / 28	2	.28	N	100
1-1/2"	NL5154-150	1.92	50 / 28	3	.35	N	100
2"	NL5154-200	2.40	40 / 28	4	.56	N	100
2-1/2"	NL5154-250	2.99	40 / 28	5	.77	N	100
3"	NL5154-300	3.64	35 / 28	6	1.10	N	100
4"	NL5154-400	4.72	35 / 28	10	1.80	N	100
5"	NL5154-500	5.74	35 / 28	16	2.36	N	100
6"	NL5154-600	6.81	30 / 28	18	3.70	C	100
8"	NL5154-800	8.97	20 / 28	36	5.53	N	20
<u>w/ Static Wire (Must Be Grounded to Metal Fitting in Static Buildup Applications)</u>							
1-1/4"	NL5155-125	1.65"	50 psi / 28 in/Hg	4"	.32	C	100 ft
1-1/2"	NL5155-150	1.83	50 / 28	4	.43	C	100
45 mm	NL5155-173	2.09(53mm)	45 / 28	4	.46	N	100
2"	NL5155-200	2.40	40 / 28	4	.58	C	100
57 mm	NL5155-220	2.63(67mm)	40 / 28	5	.64	N	100
2-1/4"	NL5155-225	2.80	40 / 28	5	.65	N	100
2-1/2"	NL5155-250	2.99	40 / 28	5	.88	C	100
3"	NL5155-300	3.64	40 / 28	6	1.25	C	100
3-1/2"	NL5155-350	4.27	35 / 28	8	1.55	N	100
4"	NL5155-400	4.72	35 / 28	10	1.92	C	100
5"	NL5155-500	5.74	30 / 28	16	2.40	N	100
6"	NL5155-600	6.81	30 / 28	18	3.70	C	100

FDA





NL5125 is similar to other clear PVC food grade hoses but has an embedded textile reinforcement to allow it to also be used in pressure applications and to provide added integrity when flexed. Furthermore, its exterior is corrugated with an exposed helix which allows for easier drag, acts as a scuff guard, and permits wash water to flow underneath as opposed to acting as a dam. It has a smooth interior and can be used as a suction or discharge hose for bottling, wine making, canning, dairy, brewing and liquid food applications where a PVC hose is suitable. Its clear sidewall permits visual check of material flow and is manufactured with FDA compliant compounds that meet FDA and 3A non-toxic requirements



Temperature Range: -25°C (-13°F) to +60°C (140°F)

Construction: Tube: Smooth, clear PVC. Cover: Corrugated, clear PVC with embedded textile. Reinforcement: External white PVC Helix with and an embedded textile reinforcement.

Typical Fittings: Stainless or white poly camlocks/combination nipples (suction or low pressure), sanitary fittings, N675 RH spiral clamps.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1-1/2"	NL5125-150	2.03"	100 psi / 28 in/Hg	3"	.47	C	100 ft
2	NL5125-200	2.60	100 / 28	4	.75	C	100
3	NL5125-300	3.70	100 / 28	6	1.20	C	100
4	NL5125-400	4.78	75 / 28	8	1.75	C	100

FDA

NL5180 / NL5181 - Corrugated Polyurethane-Lined PVC Food Transfer

NL5180 & NL5181 are both hardwall, clear braided polyurethane lined food grade hoses designed for the pneumatic transfer of powder, pellets, granular materials, or various other food processing applications such as flour, rice, grains etc. Their smooth bore prevents materials from building up and its external, hardened PVC helix reduces drag friction and provides easy handling & manoeuvring. They have a clear wall which permits visibility of materials being conveyed. These hoses are manufactured with FDA compliant compounds and meets USDA Sanitary Standards. NL5180 incorporates a static wire which **must be physically grounded properly** for applications where the movement of materials creates a static build-up. This hose is also available in "straight" lengths from the factory (rather than rolled) for easier placement in tank truck trays or where no curvatures are desired when hose is not in use.



Now Available: NL5181 is a generic unbranded product that 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.

Temperature Range: NL5180: -40°C (-40°F) to +60°C (150°F) / NL5181: -23°C (-10°F) to +60°C (150°F)

Construction: Tube: Smooth, clear Polyurethane liner. Cover: Corrugated PVC. Reinforcement: Rigid, blue PVC helix and embedded textile braid with a copper static wire for grounding. (**Note:** NL5180 has left-hand/counter-clockwise helix and NL5181 has a right-hand/clockwise helix).

Typical Fittings: Stainless or white poly camlocks/combination nipples, sanitary fittings, spiral clamps - see helix direction.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
<i>Tigerflex 2020 Series (Left-Hand Helix - Counter Clockwise) - Low Temp Down to -40°C (-40°F)</i>							
3"	NL5180-300	3.78"	70 psi / Full in/Hg	10"	1.20	C	100 ft
4	NL5180-400	4.84	65 / Full	12	1.60	C	100
5	NL5180-500	5.79	45 / 28	14	2.45	N	20/50
6	NL5180-600	6.93	40 / 28	16	2.86	N	20/50

Generic Brand (Right-Hand Helix - Clockwise)

3"	NL5181-300	3.78"	70 psi / Full in/Hg	10	1.20	C	100 ft
4	NL5181-400	4.84	65 / Full	12	1.60	C	100
5	NL5181-500	5.79	45 / 28	14	2.46	N	20/50
6	NL5181-600	6.93	40 / 28	16	2.86	N	20/50

*Also available in "straight" lengths from the factory (rather than rolled) for easier placement in tank truck trays or where no curvatures are desired when hose is not in use.

FDA



NL5190 and NL5195 Voltbuster series hoses are hardwall food grade hoses designed for the pneumatic transfer of powder, pellets, granular materials, etc where high static buildup is an issue. They are built with a static dissipative polyurethane tube, static dissipative PVC helix and stainless steel grounding wire which work together to provide superior static protection versus traditional material handling hoses with copper grounding wires. Their smooth bore prevents materials from building up and their external, hardened PVC helix reduces drag friction and provides easy handling and maneuvering. These hoses are manufactured with FDA compliant compounds and offer a clear wall which permits visibility of materials being conveyed. NL5195 VLT-SD includes a double-ply polyurethane tube & fabric reinforcement to handle both suction and higher working pressure discharge applications. Voltbuster series stainless steel static wire must be physically grounded properly to the coupling for applications where the movement of materials create a static build-up.



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

Construction: Tube: NL5190 VOLT Series single-ply smooth, clear static dissipative polyurethane, NL5195 VLT-SD Series double-ply smooth, clear static dissipative polyurethane Reinforcement: NL5190 VOLT Series rigid, black static dissipative PVC helix with a stainless steel static wire which must be physically grounded properly. NL5195 VLT-SD Series rigid, black static dissipative PVC helix and embedded textile braid with a stainless steel static wire which must be physically grounded properly.

Typical Fittings: Stainless camlocks/combination nipples, sanitary fittings, N676 left-hand spiral clamps.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
Tigerflex VOLT Series							
2"	NL5190-200	2.52"	40 psi / Full in/Hg	6"	.61	C	100/60 ft
2-1/2"	NL5190-250	2.96	40 / Full	7	.76	N	100/60
3"	NL5190-300	3.60	40 / Full	9	.91	C	100/60
4"	NL5190-400	4.69	35 / 28	12	1.70	C	100/60/20
5"	NL5190-500	5.75	35 / 28	14	2.13	N	60/20
6"	NL5190-600	6.81	30 / 28	16	2.53	N	60/20
8"	NL5190-800	8.76	30 / 28	18	3.30	C	60/20
Tigerflex VLT-SD Fabric Reinforced							
3"	NL5195-300	3.60"	70 psi / Full in/Hg	12	1.22	N	100/60 ft
4"	NL5195-400	4.69	65 / Full	13	1.85	N	100/60/20
5"	NL5195-500	5.75	45 / 28	14	2.43	N	60/20
6"	NL5195-600	6.81	40 / 28	17	3.05	N	60/20

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

FDA

NL5095 - ContiTech Versachem Chemical FDA Transfer



Versachem has been engineered for maximum versatility, handling a wide variety of liquids and powdery materials. It has static dissipating UHMWPE inner lining for multiple chemical, pharmaceutical and cosmetic applications. It is ideal for conveying chemicals in explosive atmospheres where static dissipation is a requirement and is widely used in the food and beverage industry with hygienic/sanitary products and foodstuffs. Compliant to USDA, FDA standards. This hose is also suitable for distilleries and high proof alcohol applications.

Temperature Range: -40°C (-40°F) to +100°C (212°F)

Construction: Tube: White, non-porous, smooth, UHMWPE inner lining with black conductive stripe, absolutely odourless and with no effect on taste, no discoloration, abrasion resistant. Cover: Blue, corrugated EPDM outer lining. Reinforcement: Spiral-plyed synthetic fabric with dual helix wires.

Typical Fittings: Locking camlocks, SS hose barbs, sanitary fittings. Always confirm compatibility of coupling and gasket with material being conveyed.



Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1"	NL5095-100	1.46"	250 psi	2"	.57	N	100 ft
1-1/2"	NL5095-150	2.03	250	4	.90	C	100
2"	NL5095-200	2.56	250	5	1.19	C	100
3"	NL5095-300	3.71	250	6.5	2.29	N	50
4"	NL5095-400	4.78	250	8.5	3.40	N	50

CHM





NL5035 is a highly flexible, grey covered hose that has excellent handling capabilities and a good “force-to-bend” radius as compared to other rubber food hoses on the market (it is manufactured with FDA compliant compounds and meets USDA, and Sanitary 3A requirements). Its special corrugation design permits exceptional flexibility and allows for smooth movement over rough surfaces. It can be used for gravity flow, suction, or pressure discharge of milk, dairy products, potable water, beer, wine, syrup, oily edibles, juices, and other beverages. It will not impart taste or transfer odour. It is typically used for tank truck or in-plant food processing where a flexible, corrugated hose is desirable. The grey coloured cover also provides an alternative to white covers which tend to discolour very easily.



Temperature Range: -32°C (-25°F) to +100°C (212°F)

Construction: Tube: Smooth, white Chemivac rubber. Cover: Grey, corrugated Chemivac. Reinforcement: Synthetic textile plies and two wire helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples (suction or low pressure, standard black camlock gaskets to be replaced with food grade material), N5013 Interlocking Sanitary Crimp, standard sanitary insert fittings with stainless band clamps (NOT recommended with plain, non-interlocking WC-SS crimp sleeves due to rubber flow & coupling integrity). Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
2"	NL5035-200	2.44"	150 psi / 29 in/Hg	3"	1.00	C	100 ft
3	NL5035-300	3.52	150 / 29	6	1.95	C	100
4	NL5035-400	4.55	150 / 29	7	2.59	C	100

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

FDR

NL5060 - Softwall Rubber Food & Beverage Discharge Nitrile Tube

NL5060 is a softwall, fabric reinforced, semi-collapsible, robust discharge hose manufactured with FDA compliant compounds for food and beverage applications such as: dairy, beer, wine, alcohol, juice, potable water, fatty foods, oily edibles, and non-abrasive foodstuffs up to 100°C (212°F). Also ideal for washdown cleanup where a food grade hose (tube and cover) is required. The rubber construction allows for ease of handling, resists external abrasion, wear and weathering provides extended durability whereas a more economical PVC hoses may break down prematurely. NOTE: always confirm if chemical sanitizers are compatible with the nitrile rubber compounds of this hose (for EPDM rubber washdown, refer to our NL2245 & NL2525). For a hardwall wire helix reinforced suction transfer version refer to NL5065.



Temperature Range: -35°C (-31°F) to +100°C (212°F)

Construction: Tube: Smooth, white nitrile, fat and oil resistant FDA CFR 21 177.2600 (e) Cover: Wrapped, blue nitrile/PVC blend, oil, abrasion, ozone and weather resistant. Reinforcement: 2-ply synthetic fabric.

Typical Fittings: Stainless or white poly camlocks/combination nipples (suction or low pressure, standard black camlock gaskets to be replaced with food grade material), N5013 Interlocking Sanitary Crimp, standard sanitary insert fittings with stainless band clamps (NOT recommended with plain, non-interlocking WC-SS crimp sleeves due to rubber flow & coupling integrity). Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses.

Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3/4"	NL5060-075	1.13"	250 psi	-	.36	B	100 ft
1	NL5060-100	1.38	200	-	.45	B	100
1-1/4	NL5060-125	1.78	200	-	.58	C	100
1-1/2	NL5060-150	1.91	200	-	.66	B	100
2	NL5060-200	2.41	200	-	.87	B	100
3	NL5060-300	3.46	150	-	1.40	N	100

FDR



NL5065 is a hardwall, wire helix reinforced, suction or transfer hose manufactured with FDA compliant compounds for food and beverage applications such as: dairy, beer, wine, alcohol, juice, potable water, fatty foods, oily edibles, and non-abrasive foodstuffs up to 100°C (212°F). The nitrile rubber construction allows for flexibility, ease of handling, resists external abrasion, wear and weathering provides extended durability whereas a more economical rubber or PVC hoses may break down prematurely. It also performs as an economical alternative to higher end, poly helix, rubber food hoses that are designed for more frequent use at higher temperatures. For a softwall delivery or washdown version, refer to NL5060 nitrile. NOTE: always confirm if chemical sanitizers are compatible with the nitrile rubber compounds of this hose. For an EPDM version see NL5067.



Temperature Range: -35°C (-31°F) to +100°C (212°F)

Construction: Tube: Smooth, white nitrile, fat and oil resistant FDA CFR 21 177.2600 (e) Cover: Wrapped, blue nitrile/PVC blend, oil, abrasion, ozone and weather resistant. Reinforcement: 2-ply synthetic fabric and a wire helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples (suction or low pressure, standard black camlock gaskets to be replaced with food grade material), N5013 Interlocking Sanitary Crimp, standard sanitary insert fittings with stainless band clamps (NOT recommended with plain, non-interlocking WC-SS crimp sleeves due to rubber flow & coupling integrity). Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses.

Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1"	NL5065-100	1.41"	200 psi	4"	.57	C	100 ft
1-1/4	NL5065-125	1.85	200	4.5	.78	C	100
1-1/2	NL5065-150	1.98	200	5	.93	C	100
2	NL5065-200	2.50	200	6	1.31	C	100
2-1/2	NL5065-250	3.00	150	8	1.58	C	100
3	NL5065-300	3.50	150	9	1.88	C	100
4	NL5065-400	4.65	100	16	3.44	C	100

FDR

NL5067 - Hardwall Rubber Food & Beverage Discharge EPDM

NL5067 is an EPDM version similar to NL5065, and is a hardwall, wire helix reinforced, suction or transfer hose for applications where an EPDM rubber tube/cover is preferred for certain chemical sanitizers or higher temperatures. It is manufactured with FDA compliant compounds for food and beverage applications such as: dairy, beer, wine, alcohol, juice, potable water, NON-fatty foods, NON-oily edibles, and non-abrasive foodstuffs up to 120°C (248°F). The EPDM rubber construction allows for flexibility, ease of handling, resists external abrasion, wear and weathering provides extended durability whereas a more economical rubber or PVC hoses may break down prematurely. It also performs as an economical alternative to higher end, poly helix, rubber food hoses that are designed for more frequent use at higher temperatures. For a softwall delivery or washdown version, refer to NL2525 EPDM, or NL5060 nitrile. NOTE: always confirm if chemical sanitizers are compatible with the EPDM rubber compounds of this hose. For a nitrile rubber version, see NL5065.



Temperature Range: -30°C (-22°F) to +120°C (248°F)

Construction: Tube: White EPDM. Cover: Wrapped Grey EPDM cover. Reinforcement: Multiple textile plies with dual wire helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples (suction or low pressure, standard black camlock gaskets to be replaced with food grade material), N5013 Interlocking Sanitary Crimp, N5014 Crevice Free 1-Piece Crimp, N5012 full flow internal expansion, standard sanitary insert fittings with stainless band clamps (NOT recommended with plain, non-interlocking WC-SS crimp sleeves due to rubber flow & coupling integrity). Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses.

Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3/4"	NL5067-075	1.25"	250 psi	3.3"	.55	C	100 ft
1	NL5067-100	1.49	250	4.5	.66	C	100
1-1/4	NL5067-125	1.81	250	5.7	.93	N	100
1-1/2	NL5067-150	2.04	250	6.6	1.05	B	100
2	NL5067-200	2.59	250	9.0	1.54	B	100
2-1/2	NL5067-250	3.11	250	11.2	1.88	C	100
3	NL5067-300	3.62	250	13.5	2.40	C	100
4	NL5067-400	4.72	250	17.9	3.67	N	100

FDR





NL5075 is a traditional, softwall rubber, collapsible hose designed for tank truck, in-plant gravity or pneumatic discharge of flour, sugar, powders, or other dry edible abrasive products. This hose is manufactured with FDA compliant compounds and has a static wire to permit grounding to the fitting where static buildup is a problem (wire must be grounded to fitting properly during assembly). Due to its heavy, softwall characteristics, we recommend trying our NL5180 lightweight, hardwall 2020 Polyurethane Lined PVC Food Transfer hose which offers many additional handling benefits.



Temperature Range: -40°C (-40°F) to +82°C (180°F)

Construction: Tube: 3/16" white pure natural rubber. Cover: Wrapped, blue SBR rubber. Reinforcement: Synthetic fabric with 2 anti-static wires.

Typical Fittings: Stainless camlocks/combination nipples (must use metal fittings to ground properly).

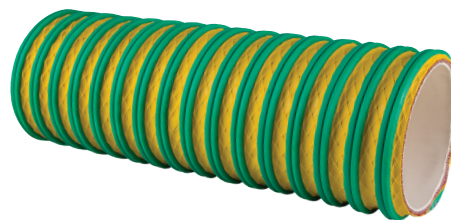
Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3"	NL5075-300	3.65"	150 psi	-	2.02	N	100 ft
4"	NL5075-400	4.65"	150	-	2.63	N	100



NL5045 - ContiTech Infinity Dual Green Helix Food Transfer



NL5045 Contitech Infinity Food Transfer is light in weight and offers a unique dual PVC outer helix for superior flexibility - it has 3 times lower force to bend, improved abrasion resistance and low coefficient of friction when dragged. The Infinity Food Transfer Hose is ideal for dynamic applications like tank unloading or plant use. Due to its lighter weight and flexibility, users are less likely to injure themselves while handling the hose. It is highly resistant to ozone, abrasion and weathering. Banding coils are recommended when crimping or clamping fittings to the hose.



Temperature Range: -40°C (-40°F) to +70°C (+158°F)

Construction: Tube: White Chemivic synthetic rubber. Cover: Yellow Chemivic rubber with dual pliovic green outer helixes. Reinforcement: Spiral plied synthetic fabric & 2 static wires.

Typical Fittings: Stainless or white poly camlocks/combination nipples, N3301 coil, and stainless crimp sleeves (suction or low pressure, standard black camlock gaskets to be replaced with food grade material). Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses.



*Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3"	NL5045-300	3.9"	150 psi / 23 in/Hg	2"	1.8	C	100
4"	NL5045-400	4.9"	150 / 23	2.5	2.4	C	100

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



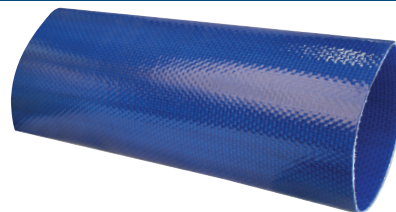


NL5080 - Blue TPU Layflat Potable Water NSF

1

Sanitary, Food & Beverage

NL5080 is a smooth, food grade layflat potable water hose that is available in long lengths (650ft or more). Its high quality TPU construction gives it excellent resistance to wear, gouges, and tears. It is also resistant to many chemicals and its superior construction makes it light in weight as compared to rubber hoses and permits it to be made in very long lengths - even in larger diameters. The interlocked reinforcement weaves ensure that the extension in hose length is minimized when the hose is pulled or pressurized - which also keeps "snaking" of the hose to a minimum. This hose is manufactured with FDA compliant compounds and is NSF 61 listed and meets various international food standards. For an actual fire hose with a polyester cover, refer to our NL9776 Series.



Temperature Range: -50°C (-65°F) to +75°C (167°F). Intermittent to +80°C (176°F).

Construction: Tube: Smooth, thermoplastic polyether based polyurethane (TPU). Cover: Smooth, blue thermoplastic polyether based polyurethane (TPU). Reinforcement: Circular woven (interlocked for added tensile strength & pressure rating) filament polyester yarn.

Typical Fittings: N9701/9702 hardcoat aluminum expansion couplings, Camlocks, etc. (pressure & application dependent).

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1"	NL5080-100	1.12"	250 psi	-	.11	N	650 ft
1-1/2	NL5080-150	1.64	220	-	.19	C	650
2	NL5080-200	2.16	220	-	.25	C	650
2-1/2	NL5080-250	2.68	200	-	.33	C	650
3	NL5080-300	3.22	200	-	.47	C	650
4	NL5080-400	4.22	175	-	.70	C	650
6	NL5080-600	6.24	150	-	1.11	C	650

FDA

NL5050 - High Purity PVC NSF Water Hose

NL5050 is a high grade PVC hose with a solid colour cover for reduced algae growth and U.V. degradation in warm applications or in outdoor applications. It is similar in construction to our NL1270 Clear Reinforced PVC but is commonly used where the clear properties of NL1270 are less desirable. It is used for potable water, deionized water, or in other applications requiring high purity water - such as in semiconductor manufacturing or for municipal water main bypass. This hose has a non-marking, non-perforated cover and is non-conductive and silicone free. It is manufactured with FDA compliant compounds and meets NSF (51 & 61), 3A and California Proposition 65 requirements.

Kuri Tec



Service Temperature Range: -4°C (+25°F) to +65°C (150°F)

Construction: Tube: Smooth, clear PVC. Cover: Smooth, solid grey (NL5050) PVC. Reinforcement: High tensile yarn.

Typical Fittings: N400 brass, stainless, or nylon barbs, garden hose fittings, brass ferrules, pinch clamps.

Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
3/8"	NL5050-038	.59"	225 psi	-	.09	C	300 ft
1/2	NL5050-050	.75	200	-	.13	C	300
3/4	NL5050-075	1.03	150	-	.22	B	300
1	NL5050-100	1.30	125	-	.30	C	300

FDR





NL545 Filter-Master is used on batch hot food oil applications such as filter systems for deep fat fryers. Its superior PTFE tube, stainless braided reinforcement & smooth white silicone cover are built to last while providing flexibility & durability. NL545 is manufactured with FDA compliant compounds and is NSF, NFPA approved and is a UL listed hose. Pre-assembled lengths are supplied with stainless steel internal spring & MNPT in either straight swivel each end or straight swivel x 90° swivel. N52300 internal spring must be used the full length of the hose assembly in suction applications. For custom lengths please contact our customer service team.



Temperature Range: Continuous: up to +125°C (257°F); Intermittent: up to +204°C (400°F) .

Construction: Tube: Smooth PTFE. Cover: Smooth white silicone rubber. Reinforcement: Stainless steel wire braid.

Typical Fittings: *WARNING: Custom Manufactured Factory Assemblies Only. Hose must be skived. N52300 Internal Spring, N52311 Solid NPT, N52312 Live Swivel.

Inside Diameter	Part #	Outside Diameter	*W. Pressure/ Vac. Rating	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1/2"	NL545-10	.75"	1500 psi	4.7"	.27	C	50 ft

Electro-Less Nickel Plated Crimp w/ Ferrule

These are designed for NL545 silicone hot oil grease hose.

030

Part #	Description	Stk
N52300-10	Stainless Steel Internal Spring	C
N52311-10-06	3/8" MNPT Straight Solid	N
N52312-10-08	3/8" MNPT Straight Swivel	C



N52312 Live Swivel w/ Crimp Ferrule



N52300-10 Internal Stainless Steel Spring

NL5835 - Platinum Cured Ultra Pure Braided Silicone Hose

NL5835 platinum cured, kink resistant, highly flexible silicone hose with a wire helix; it is designed for ultra pure food, pharmaceutical, biotechnological, cosmetic & chemical industries. It is also extremely resistant to temperature variations, sterilization, ozone, and UV over long periods of time. This hose meets stringent standards including FDA Standard 21, German BfR, 1935/2004/EC, USP Class VI, ISO 10993-6/10993-10/10993-11, and 3A sanitary standards. It may also be used for low pressure steam sterilization or autoclaved at up to 250°F in a normal autoclaving cycle. However, if exposed to repeated steam sterilization, long-term high temperature or pressure, silicone will eventually relax and become "gummy" and should then be replaced. Due to the nature of silicone rubber, this hose is **NOT** for use with abrasive products or handling, as well as oily products or environments. Our NL5835 is sold in assemblies only (maximum length 13ft) and can be lot or batch traced when requested. *For platinum cured plain silicone "tubing" refer to the Tubing Section.*



Temperature Range: -60°C (-76°F) to +180°C (356°F)

Construction: Tube: Smooth silicone. Cover: Smooth translucent clear/white silicone rubber. Reinforcement: 3 or 4 plies of polyester fabric with an embedded stainless steel wire helix.

Typical Fittings: Stainless or white poly camlocks/combination nipples (suction or low pressure, standard black camlock gaskets to be replaced with food grade material), N5013 Interlocking Sanitary Crimp, standard sanitary insert fittings with stainless band clamps (NOT recommended with plain, non-interlocking WC-SS crimp sleeves due to rubber flow & coupling integrity). Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses

Inside Diameter	Part #	Outside Diameter	W. Pressure @20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1/2"	NL5835-050	.94"	200 psi	1.5"	.28	N	Max 13 ft
3/4	NL5835-075	1.18	200	2.1	.36	N	Max 13
1	NL5835-100	1.42	200	2.7	.44	C	Max 13
1-1/4	NL5835-125	1.69	185	3.7	.55	N	Max 13
1-1/2	NL5835-150	1.93	170	4.4	.69	N	Max 13
2	NL5835-200	2.44	130	5.7	.88	N	Max 13
2-1/2	NL5835-250	2.91	110	7.1	1.50	N	Max 13
3	NL5835-300	3.46	90	9.1	1.23	N	Max 13
4	NL5835-400	4.49	55	14.4	1.71	N	Max 13

TUS





This traditional hot water washdown hose for use in 'non-oily' food processing plants, dairies, packing houses, bottling plants, breweries, canneries, and creameries (not for use with air). Its EPDM composition resists certain hot water cleaning solutions to 205°F, but will not stand up in oily or greasy environments. Its EPDM cover resists ozone, weathering, and light abrasion. The tube is NOT designed to transfer food products. **Note:** this hose is made of EPDM rubber compounds (tube and cover) that may not be suitable for use with certain cleaning chemicals, solvents, detergents or sanitizers; such solutions can have an adverse affect on the hose, resulting in reduced service life or failure. Ensure compatibility by referring to the manufacturer chemical resistance chart. Inspect hose before each use.

Temperature Range: -40°C (-40°F) to +93°C (200°F)

Construction: Tube: Black EPDM rubber. Cover: Smooth, white EPDM rubber with Microban antibacterial protection. Reinforcement: Textile cords.

Typical Fittings: N400L long Brass Barbs (higher temp/PSI), N511/512 Long shank brass GHT ends, N2280 stainless hose swivels, stainless crimp sleeves, punch clamps.



Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1/2"	NL2245-050	.84"	300 psi	-	.26	C	500 ft
3/4"	NL2245-075	1.17"	300	-	.42	B	500
1"	NL2245-100	1.48"	300	-	.62	C	450

WTX

For Hot water applications long shank/long barb fittings are required. If using cleaning chemicals or sanitizers, always confirm if they are compatible with the EPDM rubber compounds of this hose.

NL2250 - ContiTech Fortress® (Formerly Poseidon® / Sani-Wash Plus® Washdown)



All "white" washdown hoses are not built the same. Fortress® / (Formerly Poseidon® / Sani-Wash Plus®) washdown has a smooth, non-marking cover that is resistant to oil, grease, animal fats, and abrasion (not for use with air). Oily products cause standard EPDM hoses to swell and eventually fail. This hose is recommended for hot or cold water washdown in food processing plants, dairies, packing houses, bottling plants, breweries, and canneries. It is a flexible, kink resistant, user-friendly hose that can be cleaned easily and is available on long length reels. The tube is NOT designed to transfer food products. **Note:** this hose is made of nitrile rubber compounds (tube and cover) that may not be suitable for use with certain cleaning chemicals, solvents, detergents or sanitizers; such solutions can have an adverse affect on the hose, resulting in reduced service life or failure. Ensure compatibility by referring to the manufacturer chemical resistance chart. Inspect hose before each use.

Temperature Range: -29°C (-20°F) to +99°C (210°F)

Construction: Tube: Smooth, black synthetic nitrile rubber, ARPM Class A, non-FDA. Cover: Smooth, white Chemivic synthetic rubber, RMA Class A. Reinforcement: Spiral synthetic yarn.

Typical Fittings: N400L long Brass Barbs (higher temp/PSI), N511/512 Long shank brass GHT ends, N2280 stainless hose swivels, stainless crimp sleeves, punch clamps.



Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1/2"	NL2250-050	.91"	300 psi	-	.27	B	500 ft
3/4"	NL2250-075	1.18"	300	-	.40	A	500
1"	NL2250-100	1.50"	300	-	.60	C	450

WTX

Hose x Lngth **Ends** **Part #** **W.Pressure** **Weight**

Brass Solid MxF GHT & SS Crimp Ends				
1/2" x 50 ft	MxF GHT	A2250050X50-20L	300 psi	13.9
3/4 x 50	MxF GHT	A2250075X50-20L	300	20.6

Brass Live 1/2" MNPT & Live FGHT & SS Crimp Ends				
1/2" x 50 ft	MxF GHLv	A2250050X50-FGMLIVE	300 psi	13.9
3/4 x 50	MxF GHLv	A2250075X50-FGMLIVE	300	20.6

Brass Solid 1/2" MNPT One End x 1/2" or 3/4" MNPT & SS Crimp				
1/2" x 50 ft	1/2" x 1/2"	A2250050X50-M8M8	300 psi	13.9
3/4 x 50	1/2" x 3/4"	A2250075X50-M8M12	300	20.5

Z02



For Hot Water applications long shank/long barb fittings are required. If using cleaning chemicals or sanitizers, always confirm if they are compatible with the nitrile rubber compounds of this hose.

Popular assemblies connected to washdown stations are listed. Special attention required when selecting ends based on user install preferences. Any "non-stock" assemblies can be made up from our bulk inventory.





Traditional 1/2" to 1" white washdown hoses have a standard "black tube" (non-food grade tube) however our NL2254 has a "white manufactured FDA compliant compounds tube" for use in applications where the washdown water going through the hose must remain of higher potable standards. Its high quality cover resists oil, animal fats, gouging, and abrasion; its cover also contains built in Microban Antimicrobial Product Protection. This hose can be used in a variety of oily or fatty food processing plants, dairies, creameries, canneries, packing houses, bottling plants, breweries, or wineries (not for use with air). **Note:** this hose is made of nitrile rubber compounds (tube and cover) that may not be suitable for use with certain cleaning chemicals, solvents, detergents or sanitizers; such solutions can have an adverse affect on the hose, resulting in reduced service life or failure. Ensure compatibility by referring to the manufacturer chemical resistance chart. Inspect hose before each use.



WARNING For **Hot Water** applications long shank/long barb fittings are required. If using cleaning chemicals or sanitizers, always confirm if they are compatible with the nitrile rubber compounds of this hose.



Temperature Range: -29°C (-20°F) to +93°C (200°F)

Construction: Tube: Smooth, white FDA approved nitrile synthetic rubber. Cover: Smooth, blue FDA approved Carbryn nitrile synthetic rubber with Microban product protection. Reinforcement: Spiral synthetic yarn.

Typical Fittings: N400L long Brass Barbs (higher temp/PSI), N511/512 Long shank brass GHT ends, N2280 stainless hose swivels, stainless crimp sleeves, punch clamps.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length
1/2"	NL2254-050	.90"	300 psi	-	.30	C	500 ft
3/4	NL2254-075	1.19	300	-	.44	B	500
1	NL2254-100	1.50	300	-	.57	C	500

WTX

NL2525 - Blue Textile EPDM FDA Steam

NL2525 is a "textile reinforced" FDA steam hose (max temperature 170°C/338°F) designed specifically for the delivery of super heated potable water mixed with detergents. This hose is ideal for washdown and sterilization of equipment in the food industry and manufacturing plants. It's food safe white EPDM tube and wrapped blue EPDM cover is resistant to heat, ozone and weathering. EPDM rubber is not designed for oily applications (meat or fish plants). Meets F.D.A. Title 21, 177.2600. - (Tube only)



Temperature Range: -40°C (-40°F) to +170°C (+338°F)

Construction: Tube: White EPDM rubber conforms to FDA. Cover: Blue EPDM rubber (wrapped finish; pin pricked to prevent blistering). Reinforcement: Multiple textile plies. 10:1 safety factor.

Typical Fittings: Ground joints, interlocking bolt clamps. Interlocking bolt clamps **MUST** be checked and re-tightened before each use. Crimptech stems and interlocking ferrules can be used for hot water applications and not steam.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 170°C (338°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Length*
3/4"	NL2525-075	1.22"	105 psi	-	.45	C	50 ft
1	NL2525-100	1.46	105	-	.58	C	50

STM





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 moreso 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
PowerWash 3000# (Made in USA)							
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
PowerWash 4000# (Generic - see Note)							
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
Solid x Swivel Ends					
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
Quick Disconnect Couplings (CST & CPST)					
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:





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
Smooth Cover (Generic)							
3/8"	NL700-06	0.65"	4000 psi	-	.19	C	300 ft Coil
1/2"	NL700-08	0.81"	4000	-	.24	C	300
Smooth Cover (Made in USA)							
3/8"	NL710-06	0.69"	4000 psi	-	.27	B	500 ft Reel
1/2"	NL710-08	0.82"	4500	-	.36	C	500
Grey Scuff Resistant							
1/4"	NL703-04	0.48"	4000 psi	-	.12	C	300 ft Coil
3/8"	NL703-06	0.64"	4000	-	.19	C	300

WSR

Hose Size	Length	Part #	Ends	Weight	Stk
Black Generic - Solid x Swivel Ends					
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
Black Generic - Quick Disconnect Couplings (CST & CPST)					
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
Black (Made in USA) - Solid x Swivel Ends					
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
Black (Made in USA) - Quick Disconnect Couplings (CST & CPST)					
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
Grey Scuff Resistant - Solid x Swivel Ends					
3/8"	25 ft	A70306X25-95	Solid x Swivel	-	C
	50	A70306X50-95	Solid x Swivel	-	C
	100	A70306X100-95	Solid x Swivel	-	C
Grey Scuff Resistant - Quick Disconnect Couplings (CST & CPST)					
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

Z03



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!





NL715 - ContiTech Yellow Gauntlet



If you are tired of wearing out and replacing pressure washer hoses, Gauntlet is the solution for you. Gauntlet is a premium hose specifically designed for pressure washer machines in very greasy, oily, or abusive environments where standard hoses typically wear out from abrasion or break down from constant contact with oils. Don't be fooled by imitation "yellow" pressure washer hoses on the market which are more comparable in quality to "standard" black or blue hoses - the genuine Conti Gauntlet has a high end, specially compounded cover that is highly resistant to scuffing, abrasion, heat, animal fats, and oil (RMA Class A) while its tube will resist cleaning chemicals. Popular assemblies are listed below; any non-stock assemblies can be made up from our bulk inventory.



3

Pressure Washer Hose

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

Construction: Tube: Smooth, black nitrile rubber. Cover: Smooth, yellow Carbryn cover. Reinforcement: One steel 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
3/8"	NL715-06	.69"	3000 psi	-	.24	C	500 ft
1/2"	NL715-08	.82"	3000	-	.32	C	500

WSR

Hose Size	Length	Part #	Ends	Weight	Stk
3/8"	25 ft	A71506X25-95	Solid x Swivel	6.8	P
	50	A71506X50-95	Solid x Swivel	12.8	C
	75	A71506X75-95	Solid x Swivel	18.8	P
	100	A71506X100-95	Solid x Swivel	24.8	P
1/2"	50	A71508X50-95	Solid x Swivel	17.0	P
	100	A71508X100-95	Solid x Swivel	33.0	P

Z03



Did You KNOW?

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





NL5480 Silicone tubing is a soft, inert, flexible tubing that is able to resist extreme temperature variations. It is also extremely resistant to ozone and UV over long periods of time and it has good insulator abilities and self-extinguishing characteristics which make it ideal for appliances and computers. Our NL5480 (translucent milky white colour, other colours available on request) is manufactured with FDA compliant compounds and meets NSF standards making it suitable in food applications for dispensing or light vacuum (NOT designed for pharmaceutical/medical use, see NL5810 platinum cured silicone braided tubing for non-implant medical applications or other ULTRA PURE applications). Silicone tubing may also be used for low pressure steam sterilization or autoclaved at up to 250°F in a normal autoclaving cycle. However, if exposed to repeated steam sterilization, long-term high temperature or pressure, silicone will eventually relax and become “gummy” and should then be replaced. Also available in solid blue (NL4890) for automotive/truck applications.



Temperature Range: NL5480: -73°C (-100°F) to +260°C (500°F); NL5810 Ultra Pure: -62°C (-80°F) to +260°C (500°F)

Construction: Tube: Smooth silicone. Cover: Smooth silicone - shore hardness 45-55. Reinforcement: None.

Typical Fittings: Nylon/brass/stainless steel hose barbs, 'Push-In' tube fittings, compression fittings, N66 pinch clamps.

Inside Diameter*	Part #	Outside Diameter	Wall Thickness	W. Pressure @ 20°C (70°F)	Weight (lbs/ft)	Stk	Bulk Length
Standard Food Grade							
1/8"	NL5480-013-025	1/4"	.06"	-	-	C	100/500 ft
3/16	NL5480-019-031	5/16	.06	-	-	C	100/500
3/16	NL5480-019-038	3/8	.09	-	-	C	100/500
1/4	NL5480-025-038	3/8	.06	-	-	C	100/500
1/4	NL5480-025-050	1/2	.13	-	-	C	100
5/16 (8mm)	NL5480-031-044	7/16	.09	-	-	C	100
3/8	NL5480-038-050	1/2	.06	-	-	C	100
3/8	NL5480-038-063	5/8	.13	-	-	C	100
1/2	NL5480-050-063	5/8	.06	-	-	C	100
1/2	NL5480-050-075	3/4	.13	-	-	C	100
5/8	NL5480-063-075	3/4	.06	-	-	C	100
5/8	NL5480-063-088	7/8	.13	-	-	N	50
3/4	NL5480-075-100	1	.13	-	-	C	50
Platinum Cured Ultra Pure							
1/8"	NL5810-013-025	1/4"	.06"	-	-	N	50/100 ft
1/4	NL5810-025-038	3/8	.06	-	-	N	50/100
3/8	NL5810-038-050	1/2	.06	-	-	N	50/100
1/2	NL5810-050-075	3/4	.13	-	-	N	50/100

*Unlike certain other tubing, this is measured by inside diameter (I.D.). Many other sizes are available.

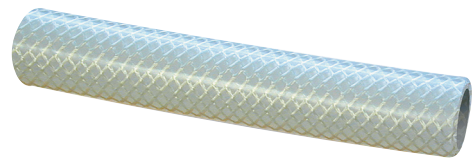
TUS





NL5482 / NL5830 - Braided Silicone Tubing / Hose

NL5482 Braided Silicone tubing/hose is used in applications where higher working pressures and kink resistance is required as opposed to unreinforced silicone. It is soft, inert, flexible, and resists extreme temperature variations and ozone/UV over long periods of time. NL5482 is manufactured with FDA compliant compounds and meets NSF standards making it suitable in food applications for dispensing or light vacuum (**NOT** designed for pharmaceutical/medical use, see NL5830 platinum cured silicone braided tubing for non-implant medical applications or other ULTRA PURE applications). Silicone hose may also be used for low pressure steam sterilization or autoclaved at up to 250°F in a normal autoclaving cycle. However, if exposed to repeated steam sterilization, long-term high temperature or pressure, silicone will eventually relax and become "gummy" and should then be replaced. *For a hardwall, wire reinforced silicone hose please refer to our NL5835 series in the Food Section.*



Temperature Range: NL5482: -62°C (-80°F) to +177°C (350°F); NL5830 Ultra Pure: -62°C (-80°F) to +260°C (500°F)
Construction: Tube: Smooth silicone. Cover: Smooth silicone - shore hardness 60-70. Reinforcement: Open mesh polyester braid.
Typical Fittings: Nylon/brass/stainless steel hose barbs, 'Push-In' tube fittings, compression fittings, N66 pinch clamps.

Inside Diameter	Part #	Outside Diameter	Wall Thickness	W. Pressure @ 20°C (70°F)	Weight (lbs/ft)	Stk	Bulk Length
Standard Food Grade							
1/8"	NL5482-013-038	.38"	.12"	230 psi	.05	N	100 ft
1/4"	NL5482-025-050	.52"	.13"	200	.09	C	100
5/16 (8mm)	NL5482-031-059	.59"	.14"	180	.11	C	100
3/8"	NL5482-038-067	.67"	.14"	160	.13	C	100
1/2"	NL5482-050-081	.81"	.15"	140	.17	C	100
5/8"	NL5482-063-098	.98"	.17"	110	.23	C	50
3/4"	NL5482-075-113	1.13"	.18"	90	.28	C	50
Platinum Cured Ultra Pure (Also Available with a Wire Helix, NL5835)							
1/4"	NL5830-025-050	.50"	.13"	150 psi	.07	N	50/100 ft
3/8"	NL5830-038-063	.63"	.13"	140	.12	N	50/100
1/2"	NL5830-050-088	.88"	.19"	125	.16	N	50/100
5/8"	NL5830-063-100	1.00"	.19"	100	.22	N	50/100
3/4"	NL5830-075-113	1.13"	.19"	95	.27	N	50/100

TUS

A270 - Sanitary 3A Stainless Steel Tubing (304L & 316L)

304L/316L sanitary tube is ideal for the dairy, food and beverage industries where the highest degree of purity and cleanliness is essential. It is certified to the requirements of ASTM A270, 3A standards and most user specifications. Available in straight 20ft lengths. Surface finish is 20 μ-in Ra (0.5 μm) ID, 30 μ-in Ra (0.8 μm) OD. Contact our Customer Service Team for further details.



Outside Diameter	Part #	Stk	Bulk Length
304L			
1"	TUBE-A270-304L-100	C	20 ft
1-1/2"	TUBE-A270-304L-150	A	20
2"	TUBE-A270-304L-200	A	20
2-1/2"	TUBE-A270-304L-250	N	20
3"	TUBE-A270-304L-300	C	20
4"	TUBE-A270-304L-400	C	20
6"	TUBE-A270-304L-600	N	20

*For 316L stainless steel, replace -304L with (-316L). **TUZ**



Sanitary Tubing Hanger w/ white poly inserts or rubber grommets is available.

i For more information: See page 42





This is an economical tubing used for low pressure transfer or draining of water (including potable), juices, beer, wine, soft drinks, air, laboratory tubing, or to transfer soaps, mild chemicals, and acids (NOT designed for petroleum fluids, refer to NL5550/5570 polyurethane). It is a light, smooth, crystal clear tubing that allows full view of the materials being conveyed (for other colours, consider using our NL5550/5570 series polyurethane - applications may vary). It is a non-toxic tubing made from virgin materials manufactured with FDA compliant compounds and meets USDA, Sanitary 3A, NSF, and California Proposition 65 requirements. NL5430 is self extinguishing and has a Shore A 73 durometer rating; we also offer on special request a 68-70 durometer (NL5420) for specialty applications where a softer tubing is required (min quantities may apply).

Kuri Tec



Sizes up to 7/8" ID supplied in 100 FT dispensing boxes



4

Tubing

Temperature Range: -4°C (+25°F) to +65°C (150°F)

Construction: Smooth, crystal clear, food grade approved vinyl tubing (for other colours, consider using our NL5550/5570 Series Polyurethane - applications may vary). NL5430 has a 73 durometer, NL5420 has a 68-70 durometer.

Typical Fittings: "Barbed" fittings (ie. nylon, brass, or stainless hose barbs) are recommended on this tubing due to its softer wall, N62/64 gear clamps, N66 pinch clamps, NSNP quick snap clamps; 'Push-In' tube fittings or compression fittings can be used (application dependent, also refer to tubing "O.D.", not I.D.), but it is highly recommended they are used in conjunction with "soft-tube" inserts.

Inside Diameter*	Part #	Outside Diameter	Wall Thickness	W. Pressure @ 20°C (70°F)	Weight (lbs/ft)	Stk	Bulk Length**
1/16"	NL5430-006-013	1/8"	1/32"	145 psi	.01	B	100 ft
1/8	NL5430-013-025	1/4	1/16	65	.02	A	100
3/16	NL5430-019-025	1/4	1/32	50	.01	A	100
3/16	NL5430-019-031	5/16 (8mm)	1/16	55	.03	A	100
3/16	NL5430-019-038	3/8	3/32	62	.05	B	100
1/4	NL5430-025-038	3/8	1/16	55	.03	A	100
1/4	NL5430-025-044	7/16	3/32	58	.06	N	100
1/4	NL5430-025-050	1/2	1/8	60	.08	C	100
5/16 (8mm)	NL5430-031-044	7/16	1/16	50	.04	A	100
5/16 (8mm)	NL5430-031-050	1/2	1/8	55	.07	C	100
3/8	NL5430-038-050	1/2	1/16	45	.05	A	100
3/8	NL5430-038-056	9/16	3/32	50	.08	C	100
3/8	NL5430-038-063	5/8	1/8	55	.11	B	100
7/16	NL5430-044-056	9/16	1/16	35	.06	C	100
1/2	NL5430-050-063	5/8	1/16	30	.06	A	100
1/2	NL5430-050-069	11/16	3/32	40	.10	C	100
1/2	NL5430-050-075	3/4	1/8	45	.13	A	100
5/8	NL5430-063-088	7/8	1/8	40	.16	A	100
5/8	NL5430-063-075	3/4	1/16	25	.08	C	100
3/4	NL5430-075-100	1	1/8	35	.19	A	100
3/4	NL5430-075-125	1-1/4	1/4	40	.43	C	100
7/8	NL5430-088-113	1-1/8	1/8	30	.21	C	100
1	NL5430-100-125	1-1/4	1/8	25	.24	A	100
1	NL5430-100-150	1-1/2	1/4	35	.54	C	100
1-1/4	NL5430-125-150	1-1/2	1/8	20	.30	B	100
1-1/4	NL5430-125-175	1-3/4	1/4	40	.64	N	100
1-1/2	NL5430-150-188	1-7/8	3/16	30	.54	B	100
1-1/2	NL5430-150-200	2	1/4	35	.75	N	100
2	NL5430-200-250	2-1/2	1/4	35	.96	C	100

*For other colours (minimum factory run requirements for NL5433 Red/NL5435 Black) or metric sizes, consider using our NL5550/5570 Series Polyurethane from stock - applications may vary. When using with 'Push-In' or Compression fittings, always refer to the tubing O.D. for correct fitting size. For PVC tubing rated for higher pressures, refer to our NL1240/NL1270. **Some sizes are available in 1 X 500 FT cardboard dispensing spools from the factory (part # suffix X500).



Our NL1270 is a popular, lightweight, non-toxic, non-marking, crystal clear hose that is suitable for air, water, glue, mild acids, potable water, and food or beverage transfer (manufactured with FDA compliant compounds and meets NSF, 3A and USDA requirements & is CFIA approved). It can also be used as a light vacuum line on packaging machines or as a feed line on carpet-cleaning equipment. We also offer a solid coloured cover PVC hose (NL5050) for applications subject to algae growth or UV degradation where the clear properties of the NL1270 are less desirable.

Temperature Range: -4°C (+25°F) to +65°C (150°F)

Construction: Tube: Very smooth, clear PVC. Cover: Smooth, clear PVC. Reinforcement: Polyester yarn with a longitudinal orange yarn for identification.

Typical Fittings: N400 brass, stainless, or nylon barbs, garden hose fittings, camlocks (larger sizes), brass ferrules, pinch clamps.



4 Tubing

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Bulk Coil Length
1/8"	NL1270-013	.33"	350 psi	-	.04	C	300 ft
3/16	NL1270-019	.38	250	-	.04	C	300
6mm (.24")	NL1270-024	11mm (.43")	250	-	.06	N	300
1/4	NL1270-025*	.44	250	-	.06	A	300*
5/16 (8mm)	NL1270-031	.53	250	-	.08	C	300
3/8	NL1270-038*	.60	225	-	.09	A	300*
10mm (.39")	NL1270-039	16mm (.63")	225	-	.10	N	300
12mm (.47")	NL1270-047	18mm (.71")	200	-	.12	N	300
1/2	NL1270-050*	.75	200	-	.13	A	300*
5/8	NL1270-063	.89	200	-	.18	A	300
3/4	NL1270-075*	1.03	150	-	.22	A	200*
1	NL1270-100*	1.30	125	-	.30	A	200*
1-1/4	NL1270-125	1.62	100	-	.45	A	100
1-1/2	NL1270-150	1.94	100	-	.64	A	100
2	NL1270-200	2.49	75	-	.94	B	100

*Also available in 100 ft factory coils (suffix X100).

GSC

Did You KNOW?

We also offer superior tubing alternatives such as Ultra Barrier Tubing.



For more information, please contact our Customer Service Team.



These are high end nozzles (adjustable spray) used for "continuous" operation in hot or cold cleaning and sanitation applications up to 150 psi, such as in food or dairy processing, tank & drum cleaning, pharmaceutical & chemical manufacturing, and meat & poultry packing. They are designed for operator comfort and their rubber insulated handle protects hands from water temperatures up to 93°C (200°F) and flow rates up to 12-15 GPM (flow rates affected by inlet PSI, nozzle type, hose size/length). These nozzles are NOT for use with steam.

150



N2250-050AL Aluminum Nozzle w/ Blue Cover (Standard)

Shown with optional Red (N2250R-) or White (N2250W-) colour cover.

Traditional Rear Lever Water Spray Nozzle Aluminum Body (Lightweight)

Max 93°C 200°F (NOT for steam) and flow rates to 12gpm at 150psi inlet pressure, 9.5gpm at 100psi, and 6.5gpm at 50psi.

Part #	Description	Stk
Lightweight Aluminum Body (1/2 Weight of Brass & SS)		
N2250-050AL	Alum Body w/ Blue Cover, 1/2" NPT	B
N2250R-050AL	Alum Body w/ Red Cover, 1/2" NPT	C
N2250W-050AL	Alum Body w/ White Cover, 1/2" NPT	C
Aluminum Body w/ Special Top Temperature Indicator		
N2260-050AL	Alum Body w /Blue Cover, 1/2" NPT	C

*Replacement parts are available.



Trigger protected, preventing accidental spray and damage.

N2245-050BR Brass Nozzle w/ Blue Cover Only

N2270-050SS Stainless Steel Nozzle w/ Blue Cover. Also shown with optional red (N2270R-) or white (N2270W-) colour cover.

Front Lever Ergonomic Water Nozzle

Some users prefer "front levers" to reduce fatigue as compared to traditional "back lever" models. The N2245 brass body are also much lower in price compared to the traditional N2250 brass nozzles. As for the N2270 (stainless steel body & intertals), its lever is protected to prevent accidental spray if dropped. Both models shown are max 93°C 200°F (NOT for steam) and flow rates to 12gpm at 150psi inlet pressure, 9.5gpm at 100psi, and 6.5gpm at 50psi.

Part #	Description	Stk
Brass Body		
N2245-050BR	Brass Body w/ Blue Cover, 1/2" NPT	C
Stainless Body		
N2270-050SS	Stainless Body w/ Blue Cover, 1/2" NPT	C
N2270R-050SS	Stainless Body w/ Red Cover, 1/2" NPT	C
N2270W-050SS	Stainless Body w/ Red Cover, 1/2" NPT	C



N2265 & N2270 Water Nozzle Wand Extender

Only for use on N2265 and N2270 Nozzles. Provides a means to reach difficult areas and has an adjustable spray (twist) wand tip.

Part #	Description	Stk
N2270WAND-20	20" Long w/ twist wand tip	C
N2270WAND-36	36" Long w/ twist wand tip	C



N2250-050BR Brass Nozzle w/ Black Cover

N2250-050SS Stainless Steel Nozzle w/ Grey Cover (other colours available)

Traditional Rear Lever Water Spray Nozzle Brass or Stainless Body

Max 93°C 200°F (NOT for steam) and flow rates to 12gpm at 150psi inlet pressure, 9.5gpm at 100psi, and 6.5gpm at 50psi.

Part #	Description	Stk
Brass Body		
N2250-050BR	Brass Body w/ Black Cover, 1/2" NPT	C
N2240-038BR	Compact Brass w/ Black Cover, 3/8" NPT	C
Stainless Body		
N2250-050SS	Stainless Body w/ Grey Cover, 1/2" NPT	C
N2250W-050SS	Stainless Body w/ White Cover, 1/2" NPT	N

*Replacement parts are available.



Overhead Spray Water Nozzle

This is designed for applications requiring spray from above. Max 93°C 200°F (NOT for steam) and flow rates to 12gpm at 150psi inlet pressure, 9.5gpm at 100psi, and 6.5gpm at 50psi.

Part #	Description	Stk
Stainless Body		
N2265-050SS	Stainless Body w/ Blue Cover, 1/2" NPT	C
N2265R-050SS	Stainless Body w/ Red Cover, 1/2" NPT	N
N2265W-050SS	Stainless Body w/ White Cover, 1/2" NPT	N



Wide Spray Pattern



Straight Stream





150



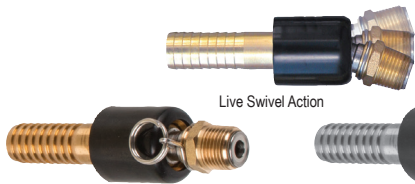
N2291 Series
Live Female GHT x
Male NPT



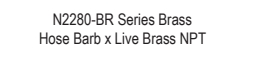
N2280-BR Series Stainless
Hose Barb x Live Brass NPT



N2280-SS Series All Stainless
Hose Barb x Live Stainless NPT



Live Swivel Action



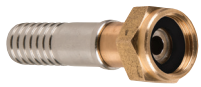
N2280-BR Series Brass
Hose Barb x Live Brass NPT



N2280-SS Series All Stainless
Hose Barb x Live Stainless NPT

5

Washdown, Power Wash & Water Blast



N2285-BR Series Stainless
Hose Barb x Live Brass FGHT



N2285-SS Series All Stainless
Hose Barb x Live Stainless FGHT

Live Swivel Fittings w/ Ring Trigger Holder

Part #	Description	Stk
Stainless Barb/Core w/ Brass Live Swivel NPT		
N2280-050-050BR	1/2" Hose x 1/2" MNPT	C
N2280-063-050BR	5/8" Hose x 1/2" MNPT	C
N2280-075-038BR	3/4" Hose x 3/8" MNPT	C
N2280-075-050BR	3/4" Hose x 1/2" MNPT	B
All Stainless Barb/Core & Live Swivel NPT		
N2280-050-050SS	1/2" Hose x 1/2" MNPT	C
N2280-063-050SS	5/8" Hose x 1/2" MNPT	N
N2280-075-050SS	3/4" Hose x 1/2" MNPT	C
Stainless Barb/Core w/ Brass Live Swivel Female GHT		
N2285-050-GHTBR	1/2" Hose x FGHT	C
N2285-063-GHTBR	5/8" Hose x FGHT	C
N2285-075-GHTBR	3/4" Hose x FGHT	C
All Stainless Barb/Core & Live Swivel Female GHT		
N2285-050-GHTSS	1/2" Hose x FGHT	N
N2285-063-GHTSS	5/8" Hose x FGHT	N
N2285-075-GHTSS	3/4" Hose x FGHT	N
Female GHT w/ Stainless Core x Brass Live Swivel NPT		
N2291-050-075BR	1/2" Live MNPT x FGHT	C
All Stainless Barb/Core x Live Swivel NPT		
N2291-050-075SS	1/2" Live MNPT x FGHT	C

Live Swivel Fittings - Angle Ball Type

These are a unique option to allow users to adjust more easily while washing and reduce stress on ends. Max 150psi, 200°F.

Part #	Description	Stk
Stainless Barb/Core w/ Brass Live Ball Angle Swivel NPT		
N2280BS-050-050BR	1/2" Hose x 1/2" MNPT	C
N2280BS-063-050BR	5/8" Hose x 1/2" MNPT	C
N2280BS-075-050BR	3/4" Hose x 1/2" MNPT	C
All Stainless Barb/Core & Live Ball Angle Swivel NPT		
N2280BS-050-050SS	1/2" Hose x 1/2" MNPT	N
N2280BS-063-050SS	5/8" Hose x 1/2" MNPT	N
N2280BS-075-050SS	3/4" Hose x 1/2" MNPT	N



N2280HG Series Stainless
Hose x Live Brass MNPT



N2285HG Series Stainless
Hose x Live Brass FGHT



N2280HG Series Stainless
Hose x Live Stainless MNPT



N2285HG Series Stainless
Hose x Live Stainless Steel FGHT

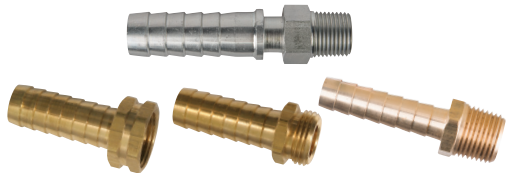
Live Swivel Fittings w/ Stainless Internal Bend Restrictors

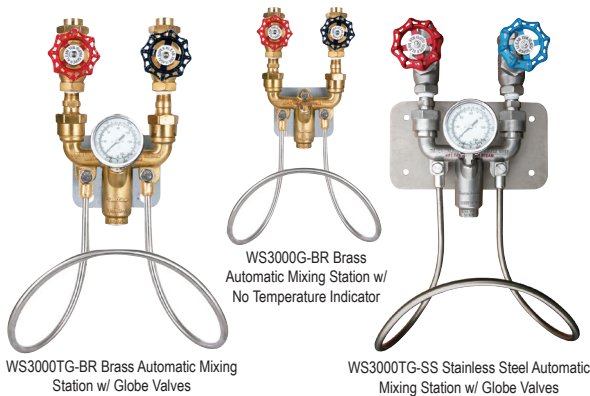
The internal spring bend restrictor helps reduce kinking, collapsing, cuts in the tube, and premature failures near the hose ends during hot water washdown. The springs are SS304 and tack welded onto the hose barb.

Part #	Description	Stk
Stainless Barb/Core w/ Brass Live Swivel Male NPT		
N2280HG-050-050BR	1/2" Hose x 1/2" MNPT	N
N2280HG-063-050BR	5/8" Hose x 1/2" MNPT	N
N2280HG-075-050BR	3/4" Hose x 1/2" MNPT	C
All Stainless Barb/Core & Live Swivel Male NPT		
N2280HG-050-050SS	1/2" Hose x 1/2" MNPT	N
N2280HG-063-050SS	5/8" Hose x 1/2" MNPT	N
N2280HG-075-050SS	3/4" Hose x 1/2" MNPT	C
Stainless Barb/Core w/ Brass Live Swivel Female GHT		
N2285HG-063-GHTBR	5/8" Hose x FGHT	N
N2285HG-075-GHTBR	3/4" Hose x FGHT	C
All Stainless Barb/Core & Live Swivel Female GHT		
N2285HG-063-GHTSS	5/8" Hose x FGHT	N
N2285HG-075-GHTSS	3/4" Hose x FGHT	N

Did You Know?

We also offer lower cost "solid" N176-xxx-xxSS MNPT, N400L MNPT & N511/N512 GHT hose ends when live swivels are not needed.

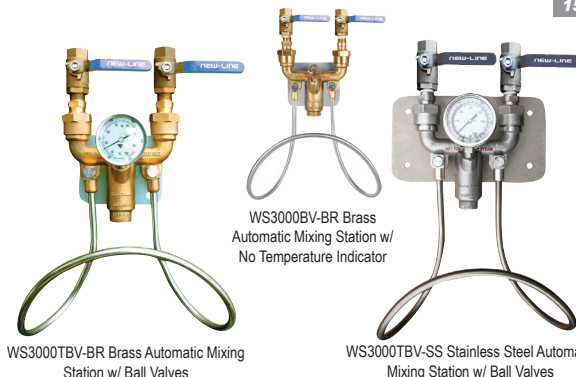




WS3000TG-BR Brass Automatic Mixing Station w/ Globe Valves

WS3000G-BR Brass Automatic Mixing Station w/ No Temperature Indicator

WS3000TG-SS Stainless Steel Automatic Mixing Station w/ Globe Valves



WS3000TBV-BR Brass Automatic Mixing Station w/ Ball Valves

WS3000BV-BR Brass Automatic Mixing Station w/ No Temperature Indicator

WS3000TBV-SS Stainless Steel Automatic Mixing Station w/ Ball Valves

Hot & Cold Water Mixing Station (NOT Steam)

This is a heavy duty hot and cold water mixer that is available with an integral brass body (Suffix -BR) or stainless body (Suffix -SS). Includes temperature indicator, but not hose or nozzle. The "globe valves" permits throttling ("ball valves" do not). Inlets & Outlets are 3/4" Female NPT. This is NOT for use with steam.

Part #	Max. Water	Max. Temp	Flow Rate*	Stk
WS3000TG-BR	150 psi	200°F/93°C	8-15 gpm	C
WS3000G-BR	No Temperature Indicator			C
WS3000TG-SS	150	200°F/93°C	8-15 gpm	N

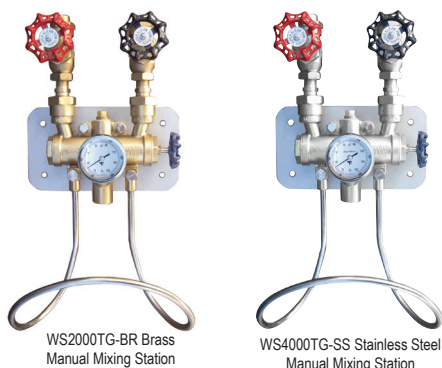
*Flow rates affected by inlet psi, nozzle, hose size/length, etc...

Hot & Cold Water Mixing Station (NOT Steam)

This is a heavy duty hot and cold water mixer that is available with an integral brass body (suffix BR) or stainless body (suffix SS). WS3000BV do not come with a temperature indicator gauges, and WS3000TBV does include a temperature indicator. Hose and nozzle sold separately. The "ball valves" provide quick opening and closing operation, but they do not permit throttling like a "globe valve". Inlets & outlets are 3/4" female NPT. This unit is NOT for use with steam.

Part #	Max. Water	Max. Temp	Flow Rate	Stk
w/ Temperature Indicator Gauge				
WS3000TBV-BR	150 psi	200°F/93°C	8-15 gpm	C
WS3000TBV-SS	150	200°F/93°C	8-15 gpm	N
Without Temperature Indicator Gauge				
WS3000BV-BR	150 psi	200°F/93°C	8-15 gpm	N
WS3000BV-SS	150	200°F/93°C	8-15 gpm	N

*Flow rates affected by inlet psi, nozzle, hose size/length, etc...



WS2000TG-BR Brass Manual Mixing Station

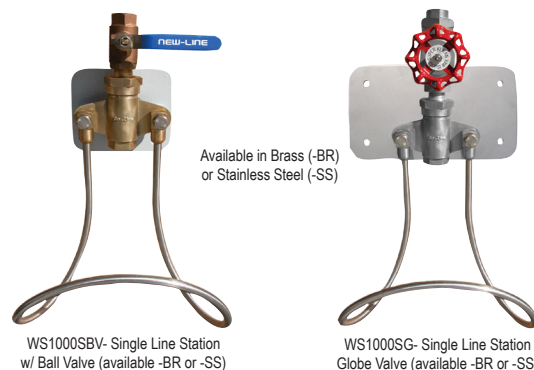
WS4000TG-SS Stainless Steel Manual Mixing Station

Manual Water & Steam Mixing Station

This is a water and steam mixer where the outlet temperature is manually adjusted. Includes temperature indicator, but not hose or nozzle. Inlets & outlets are 3/4" female NPT. Requires min 30psi inlet pressure and unit has 2 outlet options (primary is below mixer for hose, secondary optional outlet on top of mixer for piping). Mixer replacement seals/gaskets available (WS4000TGR-10).

Part #	Max. Water	Max. Temp	Flow Rate	Stk
WS4000TG-BR	30-150 psi	200°F/93°C	8-15 gpm	C
WS4000TG-SS	30-150	200°F/93°C	8-15 gpm	N

*Flow rates affected by inlet psi, nozzle, hose size/length, etc...



WS1000SBV- Single Line Station w/ Ball Valve (available -BR or -SS)

Available in Brass (-BR) or Stainless Steel (-SS)

WS1000SG- Single Line Station Globe Valve (available -BR or -SS)

Single Line Station (NOT Steam)

These are a simple station and hose mount for a single water line. They are available with a brass or stainless ball valve, or a brass or stainless globe valve (globe valves for throttling, whereas ball valves for quick opening/closing). Hose and nozzle sold separately. Inlets & outlets are 3/4" female NPT. This unit is NOT for use with steam.

Part #	Max. Water	Max. Temp	Flow Rate	Stk
w/ Ball Valve				
WS1000SBV-BR	150 psi	200°F/93°C	8-15 gpm	C
WS1000SBV-SS	150	200°F/93°C	8-15 gpm	C
w/ Globe Valve				
WS1000SG-BR	150 psi	200°F/93°C	8-15 gpm	N
WS1000SG-SS	150	200°F/93°C	8-15 gpm	N

*Flow rates affected by inlet psi, nozzle, hose size/length, etc...



Our **316 stainless steel camlocks** are commonly used in food or sanitary environments as well as corrosive applications. Standard gaskets are black Buna-N Nitrile and arms/pins are 304 stainless - ensure materials are compatible with the fluid being conveyed. For food grade applications we recommend replacing the standard black Buna-N gasket with a white food grade gasket, and with chemicals we also offer EPDM, Viton, PTFE, Neoprene, etc. gaskets. They are also used in applications where a higher working pressure is required. All types of camlocks are NOT for use with compressed air, gases or steam. The rated working pressures of our 316 stainless camlocks at ambient temperatures are: 1/2" to 4" sizes = 150psi, 5"-6" = 75psi and 8" = 50psi. Hastelloy camlocks are also available on special request (P4x-xxxHL) which offer a higher temperature rating and greater chemical compatibility. We also offer stainless camlocks in BSP (ie. N4xBS-xxxSS), NH/NST (ie. N4x-NH-xxxSS), and NPSH/NPSM (ie. N4xNS-xxxSS) threads on special request. **Always confirm if gasket material is compatible with fluid.**

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Part A FNPT Adapter

Size*	Part #	Stk
1/2"	N42-050SS	C
3/4	N42-075SS	C
1	N42-100SS	B
1-1/4	N42-125SS	C
1-1/2	N42-150SS	B
2	N42-200SS	A
2-1/2	N42-250SS	C
3	N42-300SS	B
4	N42-400SS	B
5	N42-500SS	C
6	N42-600SS	C
8	N42-800SS	N

*Some jump sizes are available (N42R-).



Part B MNPT Adapter

Size*	Part #	Stk
1/2"	N43-050SS	C
3/4	N43-075SS	C
1	N43-100SS	B
1-1/4	N43-125SS	C
1-1/2	N43-150SS	C
2	N43-200SS	A
2-1/2	N43-250SS	C
3	N43-300SS	B
4	N43-400SS	C
5	N43-500SS	N
6	N43-600SS	C
8	N43-800SS	N

*Some jump sizes are available (N43R-).



Part C Hose Coupler

Size*	Part #	Stk
1/2"	N44-050SS	C
3/4	N44-075SS	C
1	N44-100SS	B
1-1/4	N44-125SS	C
1-1/2	N44-150SS	B
2	N44-200SS	A
2-1/2	N44-250SS	C
3	N44-300SS	B
4	N44-400SS	B
5	N44-500SS	C
6	N44-600SS	C
8	N44-800SS	N

*Some jump sizes are available (N44R-).



Part D FNPT Coupler

Size*	Part #	Stk
1/2"	N45-050SS	C
3/4	N45-075SS	C
1	N45-100SS	A
1-1/4	N45-125SS	C
1-1/2	N45-150SS	B
2	N45-200SS	A
2-1/2	N45-250SS	C
3	N45-300SS	B
4	N45-400SS	B
5	N45-500SS	C
6	N45-600SS	C
8	N45-800SS	N

*Some jump sizes are available (N45R-).



Part E Hose Adapter

Size*	Part #	Stk
1/2"	N46-050SS	C
3/4	N46-075SS	C
1	N46-100SS	B
1-1/4	N46-125SS	C
1-1/2	N46-150SS	C
2	N46-200SS	A
2-1/2	N46-250SS	C
3	N46-300SS	B
4	N46-400SS	B
5	N46-500SS	C
6	N46-600SS	C
8	N46-800SS	N

*Some jump sizes are available (N46R-).



Part F MNPT Adapter

Size*	Part #	Stk
1/2"	N47-050SS	C
3/4	N47-075SS	C
1	N47-100SS	B
1-1/4	N47-125SS	C
1-1/2	N47-150SS	B
2	N47-200SS	A
2-1/2	N47-250SS	C
3	N47-300SS	B
4	N47-400SS	B
5	N47-500SS	C
6	N47-600SS	C
8	N47-800SS	N

*Some jump sizes are available (N47R-).



Dust Cap

Size	Part #	Stk
1/2"	N48-050SS	C
3/4	N48-075SS	C
1	N48-100SS	B
1-1/4	N48-125SS	C
1-1/2	N48-150SS	C
2	N48-200SS	A
2-1/2	N48-250SS	C
3	N48-300SS	B
4	N48-400SS	B
5	N48-500SS	C
6	N48-600SS	C
8	N48-800SS	N

Some variations available in BSPP
(N42BS-xxxSS)



Dust Plug

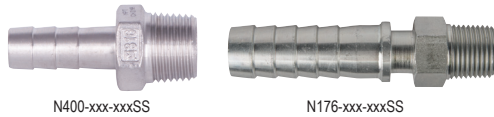
Size	Part #	Stk
1/2"	N49-050SS	C
3/4	N49-075SS	C
1	N49-100SS	C
1-1/4	N49-125SS	C
1-1/2	N49-150SS	C
2	N49-200SS	B
2-1/2	N49-250SS	C
3	N49-300SS	B
4	N49-400SS	C
5	N49-500SS	C
6	N49-600SS	C
8	N49-800SS	N

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



Stainless Inserts / Barbs & Beverage Fittings

These are typically used in food grade applications as well as high temperature or corrosive environments. Also refer to our 'Sanitary Fittings Section' for additional fittings used in food grade applications.



N400-xxx-xxxSS

N176-xxx-xxxSS

316SS Hose Barb x Male NPT

Hose I.D	NPT Size	Part #	Stk	Bulk Pack
1/8"	1/8"	N400-013-013SS	C	10
3/16	1/8"	N400-019-013SS	C	10
3/16	1/4"	N400-019-025SS	C	10
1/4	1/8"	N400-025-013SS	C	10
1/4	1/4"	N400-025-025SS	A	10
1/4	3/8"	N400-025-038SS	C	10
5/16	1/8"	N400-031-013SS	C	10
5/16	1/4"	N400-031-025SS	C	10
5/16	3/8"	N400-031-038SS	C	10
3/8	1/8"	N400-038-013SS	C	10
3/8	1/4"	N400-038-025SS	A	10
3/8	3/8"	N400-038-038SS	A	10
3/8	1/2"	N400-038-050SS	B	10
1/2	1/4"	N400-050-025SS	B	10
1/2	3/8"	N400-050-038SS	B	10
1/2	1/2"	N400-050-050SS	B	10
1/2	3/4"	N400-050-075SS	B	10
5/8	3/8"	N400-063-038SS	C	10
5/8	1/2"	N400-063-050SS	B	10
5/8	3/4"	N400-063-075SS	C	10
3/4	1/2"	N400-075-050SS	B	10
3/4	3/4"	N400-075-075SS	A	10
3/4	1"	N400-075-100SS	C	10
1"	3/4"	N400-100-075SS	B	10
1"	1"	N400-100-100SS	B	10
*Long Barbs w/ Interlock Collar				150
1/2"	1/2"	N176-050-050SS	N	10
3/4	3/4"	N176-075-075SS	N	10
1"	1"	N176-100-100SS	N	10

*Other sizes available on request with factory minimum quantity.

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Interlocking Hose Barb x Female Beer Nut

These hose ends have a long stem for superior fitting retention and the female beer nut is commonly found on keg couplers. This crimp-ready barb is rated for higher temperature and pressure applications such as clean-in-place keg washing.

Size	Part #	Max W.P. @ 70°F/250°F	Stk
1-1/2"	N5013BN-050SS	300 psi	C

TUS

Did You KNOW?

Many more stainless steel inserts/barbs are available!



Stainless Combination (KC) Nipple

Hose I.D	NPT Size	Part #	Stk	Bulk Pack
316 Stainless				
1/2"	1/2"	N10-050SS316	C	10
3/4	3/4"	N10-075SS316	B	10
3/4	1"	N10-075-100SS	C	10
1"	1"	N10-100SS316	B	10
1"	1-1/4"	N10-100-125SS	N	10
1-1/4	1"	N10-125-100SS	C	10
1-1/4	1-1/4"	N10-125SS316	B	10
1-1/4	1-1/2"	N10-125-150SS	C	10
1-1/2	1-1/4"	N10-150-125SS	C	10
1-1/2	1-1/2"	N10-150SS316	A	10
1-1/2L	1-1/2"	N10L-150SS (Long)	N	10
2"	1-1/2"	N10-200-150SS	C	10
2"	2"	N10-200SS316	C	10
2"	2-1/2"	N10-200-250SS	N	10
2"	3"	N10-200-300SS	N	10
2L	2"	N10L-200SS (Long)	N	10
2-1/2	2"	N10-250-200SS	N	5
2-1/2	2-1/2"	N10-250SS316	C	5
3"	2"	N10-300-200SS	N	5
3"	3"	N10-300SS316	C	5
4"	4"	N10-400SS316	C	5
6"	6"	N10-600SS316	C	1
8"	8"	N10-800SS316	N	1
304 Stainless				
1/2"		N10-050SS304	N	10
3/4		N10-075SS304	C	10
1"		N10-100SS304	C	10
1-1/4		N10-125SS304	C	10
1-1/2		N10-150SS304	C	10
2"		N10-200SS304	C	10
2-1/2		N10-250SS304	N	1
3"		N10-300SS304	C	1
4"		N10-400SS304	C	1
5"		N10-500SS304	N	1
6"		N10-600SS304	C	1
8"		N10-800SS304	N	1

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304SS Tri-Clamp x Beer Nut Spigot Cap Adapter

Size	Part #	Stk
1/2"	N5052TB-150SS	C

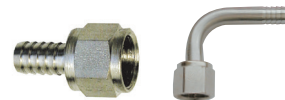
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316SS Hose Barb x 90° Male NPT

Hose I.D	NPT Size	Part #	Stk	Bulk Pack
1/4"	1/8"	N410-025-013SS	C	10
1/4"	1/4"	N410-025-025SS	C	10
1/4"	3/8"	N400-025-038SS	C	10
3/8"	1/8"	N400-038-013SS	C	10
3/8"	1/4"	N400-038-025SS	C	10
3/8"	3/8"	N400-038-038SS	C	10
3/8"	1/2"	N400-038-050SS	C	10
1/2"	1/4"	N400-050-025SS	C	10
1/2"	3/8"	N400-050-038SS	C	10
1/2"	1/2"	N400-050-050SS	C	10
1/2"	3/4"	N400-050-075SS	C	10
5/8"	1/2"	N400-063-050SS	C	10
3/4"	1/2"	N400-075-050SS	C	10
3/4"	3/4"	N400-075-075SS	C	10
1"	1"	N400-100-100SS	C	10
1-1/4"	1-1/4"	N400-125-125SS	C	5
1-1/2"	1-1/2"	N400-150-150SS	C	5
2"	2"	N400-200-200SS	C	5
2-1/2"	2-1/2"	N400-250-250SS	N	1
3"	3"	N400-300-300SS	N	1



Hose Barb x Female Swivel SAE 45° Flare

Hose I.D	Flare Size	Part #	Stk	Bulk Pack
Nickel Plated Brass Nut w/ 304 SS Barb				
1/8"	1/4"	N470-013-025NS	N	10
1/4"	1/4"	N470-025-025NS	C	10
1/4"	3/8"	N470-025-038NS	N	10
3/8"	3/8"	N470-038-038NS	N	10
1/2"	1/2"	N470-050-050NS	N	10
All 304 Stainless				
1/8"	1/4"	N470-013-025SS	N	10
1/4"	1/4"	N470-025-025SS	C	10
1/4"	3/8"	N470-025-038SS	C	10
5/16"	1/4"	N470-031-025SS	C	10
3/8"	1/4"	N470-038-025SS	N	10
3/8"	3/8"	N470-038-038SS	C	10
1/2"	1/2"	N470-050-050SS	N	10
All 304 Stainless 90° Bend				
1/4"	1/4"	N472-025-025SS	C	10
1/4"	3/8"	N472-025-038SS	N	10
3/8"	1/4"	N472-038-025SS	N	10
3/8"	3/8"	N472-038-038SS	C	10

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Stainless Steel Inserts & Sanitary



Stainless Hose Barb x Female Pipe

Hose I.D	Pipe Size	Part #	Stk	Bulk Pack
316SS Female NPSM w/ Gasket (Not for Permanent Apps) 226				
1/2"	1/2"	N310-050SS	N	1
3/4"	3/4"	N310-075SS	N	1
1"	1"	N310-100SS	N	1
1-1/2"	1-1/2"	N310-150SS	N	1
2"	2"	N310-200SS	N	1
303SS Solid Female NPT 251				
1/4"	1/4"	N460-025-025SS	C	10
3/8"	1/4"	N460-038-025SS	C	10
3/8"	3/8"	N460-038-038SS	C	10
1/2"	1/2"	N460-050-050SS	C	10



304SS Hose Barb x Wunder Bar Fittings

Hose I.D	Type	Part #	Stk	Bulk Pack
1/4"	Straight	N400W-025SS	C	10
3/8"	Straight	N400W-038SS	N	10
1/4"	90°	N410W-025SS	C	10
3/8"	90°	N410W-038SS	N	10



304SS Hose Barb For Flojet or Shurflo Pumps

Hose I.D	Pump	Type	Part #	Stk	Bulk Pack
1/4"	Flojet	Straight	N400F-025SS	C	10
3/8"	Flojet	Straight	N400F-038SS	C	10
1/2"	Flojet	Straight	N400F-050SS	N	10
1/4"	Flojet	90°	N410F-025SS	N	10
1/4"	Shurflo	90°	N410S-025SS	N	10
3/8"	Shurflo	90°	N410S-038SS	N	10



304SS Barb For Dole / General Beverage Valves

Hose I.D	Part #	Stk	Bulk Pack	
Straight				
1/4"	Straight	N400D-025SS	N	10
90° Bend				
1/4"	90°	N410D-025SS	N	10
General Beverage Valves				
1/8"	Straight	N400G-013SS	N	10
1/4"	Straight	N400G-025SS	N	10
3/8"	Straight	N400G-038SS	N	10
1/4"	90°	N410G-025SS	N	10



304SS Hose Barb x Male SAE 45° Flare

Hose I.D	Flare Size	Part #	Stk	Bulk Pack
1/4"	1/4"	N475-025-025SS	N	10
1/4"	3/8"	N475-025-038SS	N	10
3/8"	1/4"	N475-038-025SS	N	10
3/8"	3/8"	N475-038-038SS	N	10





N150 Mender



N150 Reducing Mender

304 Stainless Steel Mender/Splicer*

Hose I.D.	Part #	Stk	Bulk Pack
1/8"	N150-013SS	C	10
1/4 X 1/8	N150-025-013SS	C	10
1/4	N150-025SS	B	10
5/16	N150-031SS	C	10
5/16 X 1/4	N150-031-025SS	C	10
3/8 X 1/4	N150-038-025SS	C	10
3/8 X 5/16	N150-038-031SS	C	10
3/8	N150-038SS	B	10
1/2 X 1/4	N150-050-025SS	C	10
1/2 X 3/8	N150-050-038SS	C	10
1/2	N150-050SS	B	5
3/4	N150-075SS	B	5
1	N150-100SS	C	5
1-1/4	N150-125SS	C	5
1-1/2	N150-150SS	C	5
2	N150-200SS	C	5
3	N150-300SS	C	1
4	N150-400SS	C	1
6	N150-600SS	N	1

*Also available in 316SS on request (use suffix -SS316)



All sizes not exactly as shown

304SS 90° Bend Hose Mender/Splicer

Hose I.D.	Part #	Stk	Bulk Pack
1/8"	N150-90-013SS	N	10
3/16	N150-90-019SS	N	10
1/4	N150-90-025SS	C	10
3/8 X 1/4	N150-90-038-025SS	N	10
3/8	N150-90-038SS	C	10
1/2 X 1/4	N150-90-050-025SS	N	10
1/2 X 3/8	N150-90-050-038SS	N	10
1/2	N150-90-050SS	C	10



304SS Hose Barb Tee

Run Size	Branch Size	Part #	Stk	Bulk Pack
1/8"	1/8"	N150T-013SS	N	10
3/16	3/16	N150T-019SS	N	10
1/4	1/8	N150T-015-013SS	N	10
1/4	1/4	N150T-025SS	C	10
1/4	3/8	N150T-025-038SS	C	10
5/16	5/16	N150T-031SS	N	10
3/8	1/4	N150T-038-025SS	C	10
3/8	3/8	N150T-038SS	B	10
3/8	1/2	N150T-038-050SS	C	10
1/2	1/4	N150T-050-025SS	C	10
1/2	3/8	N150T-025-038SS	C	10
1/2	1/2	N150T-050SS	C	10



304SS Hose Barb Cross

Size (3 X 1)	Part #	Stk	Bulk Pack
1/8"	N150X-013SS	N	10
1/4	N150X-025SS	C	10
1/4 X 3/8	N150X-025-038SS	C	10
3/8	N150X-038SS	C	10
1/2	N150X-050SS	N	10



304SS Male SAE 45° Flare Branch Barb Tee

Run Size	Branch Size	Part #	Stk	Bulk Pack
1/4"	1/4"	N150MFT-025-025S	N	10
1/4	3/8	N150MFT-025-038S	N	10
3/8	1/4	N150MFT-038-025S	N	10
3/8	3/8	N150MFT-038-038S	N	10



304SS Female Swivel 45° Flare Branch Barb Tee

Run Size	Branch Size	Part #	Stk	Bulk Pack
1/4"	1/4"	N150FFT-025-025S	N	10
3/8	1/4	N150FFT-038-025S	N	10
3/8	3/8	N150FFT-038-038S	N	10



304SS 180° U Barb Mender/Return Bend

Hose I.D.	Part #	Stk	Bulk Pack
1/4"	N150U-025-025SS	C	10
3/8	N150U-038-038SS	C	10
1/2	N150U-050-050SS	C	10



304SS Hose Barb Solid Plug

Hose I.D.	Part #	Stk	Bulk Pack
1/4"	N400P-025SS	C	10
3/8	N400P-038SS	C	10
1/2	N400P-050SS	N	10

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.

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Stainless Steel Inserts & Sanitary



304SS Barbed Y Manifold Stem

U Size	Branch Size	Part #	Stk	Bulk Pack
1/4"	1/4"	N150Y-025-025SS	C	10
1/4	3/8	N150Y-025-038SS	N	10
3/8	1/4	N150Y-038-025SS	N	10
3/8	3/8	N150Y-038-038SS	C	10



304SS Male 45° Flare x Flare Adapter

Flare Size	Part #	Stk	Bulk Pack
1/4"	42-4SS	C	10
3/8	42-6SS	C	10
3/8" X 1/4	42R-64SS	C	10



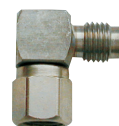
304SS Barb x Male 45° Flare Y Manifold Stem

Hose I.D.	Flare Size (# of outlets)	Part #	Stk	Bulk Pack
3/8"	1/4" (1)	N150YM1-038-025S	N	10
3/8	1/4 (3)	N150YM3-038-025S	N	10
3/8	1/4 (4)	N150YM4-038-025S	N	10
3/8	1/4 (5)	N150YM5-038-025S	N	10



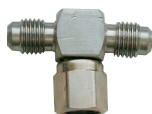
304SS Male SAE 45° Flare x Male NPT Adapter

Male Flare	Male NPT	Part #	Stk	Bulk Pack
1/4"	1/4"	48-4BSS	C	10
3/8	3/8	48-6CSS	C	10



304SS Female x Male SAE 45° Flare 90° Bend

Male Flare	Fem Flare	Part #	Stk	Bulk Pack
1/4"	1/4"	50-44SS	N	10



304SS Male Run x Fem 45° Flare Branch Tee

Male Run	Fem Flare	Part #	Stk	Bulk Pack
1/4"	1/4"	36-44SS	N	10



304SS MxF Run x Male 45° Flare Branch Tee

Run Size	Branch Size	Part #	Stk	Bulk Pack
1/4"	1/4"	37-4SS	N	10
3/8	3/8	37-6SS	N	10



304SS Male SAE 45° Flare Tee

Flare Size	Part #	Stk	Bulk Pack
1/4"	44-4SS	C	10
3/8	44-6SS	C	10



304SS Female x Male SAE 45° Flare Adapter

Fem Flare	Male Flare	Part #	Stk	Bulk Pack
1/4"	3/8"	35-46SS	C	10



304SS Female 45° Flare Cap

Flare Size	Part #	Stk	Bulk Pack
1/4"	56-4SS	C	10
3/8	56-6SS	C	10



304SS Male SAE 45° Flare Plug

Flare Size	Part #	Stk	Bulk Pack
1/4"	58-4SS	C	10
3/8	58-6SS	C	10



Replacement Nylon Flared Washer

Size	Colour Code	Part #	Stk	Bulk Pack
1/4"	White	59-4WN	C	25
3/8	Black	59-6BN	C	25
1/2	Red	59-8RN	N	25





These are designed for various food hose applications, including the processing of wine, beer, juice, vegetables, and dairy products. They are all stainless steel fittings that are FDA/USDA approved. There are several styles to choose from: a Sanitary Tri Clamp Tube system (most popular), Acme Threaded/Bevel system, Metric DIN Threaded, SMS Euro Threaded, I-Line & Q-Line. Many other sizes and configurations are available on request.

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N5011 Standard Long Stem



N5010 Short Stem



N5013-Crimp Stem X Tri-Clamp



For use with N5013- & N5019- Interlocking Barbs only



Also available with N5013SB-xxxXC Silicone Safety Bumps installed (N5013FB-xxxSS)

304SS Hose Barb Insert x Sanitary Tri-Clamp

Due to varying lengths of crimp sleeves and barbs, rubber or PVC material flow during crimping process, and the potential of bacterial build-up, we do NOT recommend these for use with plain, non-interlocking crimp sleeves (such as our WC-SS-series). Also when plain, non-interlocking crimp sleeves are used on an assembly that is subject to heat during use, the coupling integrity can be compromised and result in a fitting ejection. Refer to N5013/N5013F Interlocking Crimp Sleeved ends, Crevice Free Crimp, or Internal Expansion Fittings.

Hose I.D.	Tri-Clamp	Part #	Overall Length	Stk	Bulk Pack
Standard Long Stem ('Brewery' Style)					
1"	1" & 1-1/2"	N5011-100SS	3.5"	A	1
1-1/2	1-1/2	N5011-150SS	4	A	1
2	2	N5011-200SS	5	A	1
2-1/2	2-1/2	N5011-250SS	5.5	C	1
3	3	N5011-300SS	5.5	B	1
4	4	N5011-400SS	5.5	C	1
6	6	N5011-600SS	5.5	N	1
Short Length Stem					
1/8"	1/2" & 3/4"	N5010-013-075SS	1.50"	N	1
1/8	1 & 1-1/2	N5010-013-150SS	1.50	N	1
1/4	1/2 & 3/4	N5010-025-075SS	1.50	C	1
1/4	1 & 1-1/2	N5010-025-150SS	1.50	C	1
3/8	1/2 & 3/4	N5010-038-075SS	1.50	N	1
3/8	1 & 1-1/2	N5010-038-150SS	1.50	C	1
1/2	1/2 & 3/4	N5010-050SS	1.50	C	1
1/2	1 & 1-1/2	N5010-050-150SS	1.50	C	1
5/8	1 & 1-1/2	N5010-063-150SS	1.50	C	1
3/4	1/2 & 3/4	N5010-075SS	1.50	C	1
3/4	1 & 1-1/2	N5010-075-150SS	1.50	C	1
1	1 & 1-1/2	N5010-100SS	1.69	C	1
1-1/4	1-1/2	N5010-125-150SS	1.69	C	1
1-1/2	1-1/2	N5010-150SS	1.69	C	1
1-1/2	2	N5010-150-200SS	2.31	C	1
2	2	N5010-200SS	2.31	C	1
2-1/2	2-1/2	N5010-250SS	2.31	C	1
3	3	N5010-300SS	3.09	C	1
4	4	N5010-400SS	3.09	C	1

304SS Interlocking Crimp Stem x Sanitary Tri-Clamp

When used together, these interlocking stems and ferrules provide added coupling integrity to the hose, reduce the chance of bacteria build-up, and provide a clean and consistent end connection. They are particularly designed for rubber hoses that are subject to higher pressures or temperatures during cleaning cycles, however for thick, soft durometer hoses it can result in coupling integrity issues when subjected to excessive heat in long cycles where the hose underneath the metal fitting becomes spongy. These require a crimper to assemble.

Hose I.D.	Tri-Clamp	Part #	Stk	Bulk Pack
Interlocking Crimp Stem (Use w/ N5013F Interlock Ferrules)				
1"	1"	N5013-100S	B	1
1-1/2	1-1/2	N5013-150SS	B	1
1/2	1-1/2	N5013-050-150SS	C	1
2	2	N5013-200SS	B	1
2-1/2	2-1/2	N5013-250SS	N	1
3	3	N5013-300SS	C	1
4	4	N5013-400SS	N	1
Interlocking Crimp Ferrules (Use with N5013 Interlock Stem)				
1/2"	-	N5013F-050-xxxSS	C	1
1	-	N5013F-100-xxxSS	B	1
1-1/2	-	N5013F-150-xxxSS	B	1
2	-	N5013F-200-xxxSS	B	1
3	-	N5013F-300-xxxSS	C	1
4	-	N5013F-400-xxxSS	N	1

*Available with silicone safety bump (N5013FB-xxxSS).




304SS Plain/Smooth Hose Stem w/ No Barbs

These are typically used for low pressure, soft tubing where the 'barbed' fittings can cut into the tube of the hose and lead to premature failure (also known as **Tygon Hose Inserts**).

Hose I.D.	Part #	Stk	Bulk Pack
1/2"	N5009-050SS	N	1
3/4	N5009-075SS	N	1
1	N5009-100SS	C	1
1-1/2	N5009-150SS	C	1
2	N5009-200SS	C	1
2-1/2	N5009-250SS	N	1
3	N5009-300SS	N	1
4	N5009-400SS	N	1

Did You KNOW?

For Coupling Insertion Lubricant, we recommend our P-80 FDA Gel:



NP-0400

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.



304SS Single Pin Sanitary Clamp w/ Cross Hole Wing Nut

Tri Clamp	Part #	Max W.P. @70°F / 250°F	Stk	Pack
1/2" & 3/4"	N5025-075SS	1500 / 1200 psi	C	1
1 & 1-1/2"	N5025-150SS	500 / 300	A	1
2"	N5025-200SS	450 / 250	A	1
2-1/2"	N5025-250SS	400 / 200	C	1
3"	N5025-300SS	350 / 175	B	1
4"	N5025-400SS	300 / 150	B	1
5"	N5025-500SS	225 / 100	N	1
6"	N5025-600SS	150 / 75	C	1
8"	N5025-800SS	100 / 50	N	1
10"	N5025-1000SS	100 / 50	N	1



N5012-xxxSS (must use with N5012F- ferrules)



N5012F- Ferrules are mandatory.

304SS Internal Expansion x Sanitary Tri-Clamp

These are designed for rubber tubed hoses (NOT designed for hoses with a hard tube like PTFE or PVC). They are typically more expensive but can permit "full flow" and reduce the chance of bacteria build-up inside or outside the coupling as compared to standard insert barbs. They require special equipment to install - we recommend all hoses with these ends are pressure tested prior to field use. Excessive heat in long cycles can compromise coupling integrity on thick, soft durometer hoses. Sizes 1.5"-3".

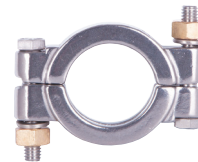


304SS Single Pin Sanitary Squeeze Clamp

Spring loaded squeeze clamps are used for ease of installation.

Tri Clamp*	Part #	Max W.P. @70°F / 250°F	Stk	Pack
1/2" & 3/4"	N5025SL-075SS	1500 / 1200 psi	N	1
1 & 1-1/2"	N5025SL-150SS	500 / 250	C	1
2"	N5025SL-200SS	450 / 250	C	1
2-1/2"	N5025SL-250SS	400 / 200	N	1
3"	N5025SL-300SS	350 / 175	N	1
4"	N5025SL-400SS	350 / 150	N	1

*Larger sizes available upon request.



304SS Heavy Duty Bolt-On Sanitary Clamp*

These are a heavier duty bolt clamps for use in higher temperature or higher pressure applications. Supplied with brass nuts. **Note:** Flanged-style gaskets do not work on bolt-on clamps.

Tri Clamp	Part #	Max W.P. @70°F / 250°F	Stk	Pack
1" & 1-1/2"	N5027-150SS	1500 / 1200 psi	C	1
2"	N5027-200SS	1000 / 800	C	1
2-1/2"	N5027-250SS	1000 / 800	C	1
3"	N5027-300SS	1000 / 800	C	1
4"	N5027-400SS	800 / 600	C	1
6"	N5027-600SS	300 / 200	C	1
8"	N5027-800SS	250 / 150	C	1
10"	N5027-1000SS	200 / 125	C	1
12"	N5027-1200SS	150 / 100	C	1

*Supplied with brass nuts.



304SS Double Pin Sanitary Clamp

Tri Clamp*	Part #	Max W.P. @70°F / 250°F	Stk	Pack
1" & 1-1/2"	N5026-150SS	500 / 300 psi	C	1
2"	N5026-200SS	450 / 250	N	1

*Larger sizes available upon request.



304SS Tri-Clamp Worm & Gear Dairy Clamp

These specialty, worm-gear style Tri-Clamps are used in the dairy industry to allow fast removal and installation, single-handed and without the use of tools. They can be installed finger tight using the thumb screw to achieve up to 100 PSI service pressure ratings @ 21°C (70°F), de-rated to 75 PSI @ 121°C (250°F) across all sizes.

Tri Clamp	Part #	Max W.P. @70°F / 250°F	Stk	Pack
1" & 1-1/2"	N5025GC-150SS	100 / 75 psi	C	1
2"	N5025GC-200SS	100 / 75	C	1
2-1/2"	N5025GC-250SS	100 / 75	C	1
3"	N5025GC-300SS	100 / 75	C	1
4"	N5025GC-400SS	100 / 75	C	1

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Stainless Steel Inserts & Sanitary





N5000-xxBN - Black Buna-N (-25°F to +225°F)



N5000- Standard Black Food Grade Buna-N (BN), EPDM (EP), Viton (VI)

Size	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	6"
Part # Suffix	-050BN	-075BN	-100BN	-150BN	-200BN	-250BN	-300BN	-400BN	-600BN
Stk	C	C	C	A	B	C	C	B	C
Blk Pk	10	10	10	10	10	5	5	5	5

N5000-xxEP - Black EPDM (-40°F to +225°F, Intermittent to +275°F)



N5000- Standard Black Food Grade Buna-N (BN), EPDM (EP), Viton (VI)

Size	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-050EP	-075EP	-100EP	-150EP	-200EP	-250EP	-300EP	-400EP
Stk	N	N	C	C	C	C	C	C
Blk Pk	10	10	10	10	10	5	5	5

N5000F-xxBN - "Flanged Style" Black Buna-N (-25°F to +225°F)*



N5000F- Flanged Black Food Grade Buna-N (BN), EPDM (EP), Viton (VI), Silicone (XC)

Size	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	6"
Part # Suffix	-050BN	-075BN	-100BN	-150BN	-200BN	-250BN	-300BN	-400BN	-600BN
Stk	C	C	C	A	B	C	C	B	C
Blk Pk	10	10	10	10	10	5	5	5	5

*Flanged gaskets are 'flanged' for easy installation & remain in place (Flanged DO NOT fit on 2-bolt style high pressure Tri-Clamps.)

N5000F-xxVI - "Flanged Style" Black Viton (-15°F to +375°F)*



N5000F- Flanged Black Food Grade Buna-N (BN), EPDM (EP), Viton (VI), Silicone (XC)

Size	1"	1-1/2"	2"	2-1/2"	3"	4"	6"
Part # Suffix	-100VI	-150VI	-200VI	-250VI	-300VI	-400VI	-600VI
Stk	N	C	C	N	N	N	N
Blk Pk	10	10	10	5	5	5	1

*Flanged gaskets are 'flanged' for easy installation & remain in place (Flanged DO NOT fit on 2-bolt style high pressure Tri-Clamps.)

N5000-xxTE - White PTFE (-10°F to +300°F)



N5000-White Buna-N (WB), White PTFE (TE)

Size	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	6"
Part # Suffix	-050TE	-075TE	-100TE	-150TE	-200TE	-250TE	-300TE	-400TE	-600TE
Stk	N	N	C	B	C	C	C	C	C
Blk Pk	10	10	10	10	10	5	5	5	5

N5000-xxXC - Platinum Cured Translucent Silicone (-50°F to +400°F)



N5000-xxxXC Platinum Cured Silicone

Size	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	6"
Part # Suffix	-050XC	-075XC	-100XC	-150XC	-200XC	-250XC	-300XC	-400XC	-600XC
Stk	N	N	C	C	C	C	C	C	C
Blk Pk	10	10	10	10	10	5	5	5	5

N5000MS-xx*-xxBN - Buna-N / 316SS 10/20/40/60/80/100 Square Mesh Wire Cloth



N5000MS-xx-xxxBN Square Fine Metal Mesh (10/20/40/60/80/100 Mesh)

Size	1"	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-100BN	-150BN	-200BN	-250BN	-300BN	-400BN
Stk	N	C	C	N	C	N
Blk Pk	1	1	1	1	1	1

*Replace 'xx' with: '10' mesh = 100 holes per square inch (in²) or .075" hole opening, '20' mesh = 400in² or .034" hole opening, '30' mesh = 1200in² or .023" hole opening, '40' mesh = 1600in² or .015" hole opening, '60' mesh = 3600in² or .009" hole opening, '80' mesh = 6400in² or .007" hole opening, '100' mesh = 10000in² or .006" hole opening





N5000PM-20-xxBN - Buna-N / 316SS 20 Mesh Perforated Metal Disc



N5000PM-20-xxBN
Buna-N with Perforated
Coarse Metal Disc

Size	1"	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-100BN	-150BN	-200BN	-250BN	-300BN	-400BN
Stk	N	C	C	N	N	N
Blk Pk	1	1	1	1	1	1

N5000MD-xxBN - Metal Detectable Black Buna-N (-25°F to +225°F)



N5000MD- Black Food Grade
Buna-N (BN), EPDM (EP), or Viton
(VI) with Embedded Metal Detectable

Size	1"	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-100BN	-150BN	-200BN	-250BN	-300BN	-400BN
Stk	N	N	N	N	N	N
Blk Pk	1	1	1	1	1	1

N5000MD-xxEP - Metal Detectable Black EPDM (-25°F to +225°F)



N5000MD- Black Food Grade
Buna-N (BN), EPDM (EP), or Viton
(VI) with Embedded Metal Detectable

Size	1"	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-100EP	-150EP	-200EP	-250EP	-300EP	-400EP
Stk	N	N	N	N	N	N
Blk Pk	10	10	10	10	10	10

N5000SS-xx*-xxEP - Black EPDM Sock Screen (-25°F to +225°F)



Size	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-150EP	-200EP	-250EP	-300EP	-400EP
Stk	N	N	N	N	N
Blk Pk	1	1	1	1	1

*Replace 'xx' with: '10' mesh = 100 holes per square inch (in²) or .075" hole opening, '20' mesh = 400in² or .034" hole opening, '30' mesh = 1200in² or .023" hole opening, '40' mesh = 1600in² or .015" hole opening, '60' mesh = 3600in² or .009" hole opening, '80' mesh = 6400in² or .007" hole opening, '100' mesh = 10000in² or .006" hole opening

N5000SS-xx*-xxBN - Buna-N / 316SS Mesh Sock Screen



Size	1-1/2"	2"	2-1/2"	3"	4"
Part # Suffix	-150BN	-200BN	-250BN	-300BN	-400BN
Stk	N	N	N	N	N
Blk Pk	1	1	1	1	1

*Replace 'xx' with: '10' mesh = 100 holes per square inch (in²) or .075" hole opening, '20' mesh = 400in² or .034" hole opening, '30' mesh = 1200in² or .023" hole opening, '40' mesh = 1600in² or .015" hole opening, '60' mesh = 3600in² or .009" hole opening, '80' mesh = 6400in² or .007" hole opening, '100' mesh = 10000in² or .006" hole opening

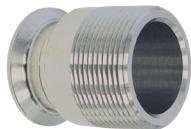
Various other gaskets, materials, and styles are available and may not be shown.

Complete Range of Sizes on
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Stainless Steel Inserts & Sanitary





304SS Tri-Clamp x MNPT Adapter

304SS Tri-Clamp x FNPT Adapter

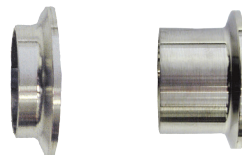
*Tube Size	*NPT Size	Part #	Stk	Bulk Pack
1/2"	1/8"	N5052T-050-013SS	N	1
1/2	1/4	N5052T-050-025SS	C	1
1/2	3/8	N5052T-050-038SS	N	1
1/2	1/2	N5052T-050SS	C	1
1/2	3/4	N5052T-050-075SS	C	1
3/4	1/4	N5052T-075-025SS	N	1
3/4	3/8	N5052T-075-038SS	N	1
3/4	1/2	N5052T-075-050SS	C	1
3/4	3/4	N5052T-075SS	C	1
3/4	1	N5052T-075-100SS	N	1
1	1/4	N5052T-100-025SS	N	1
1	1/2	N5052T-100-050SS	C	1
1	3/8	N5052T-100-038SS	N	1
1	1	N5052T-100SS	C	1
1	1-1/4	N5052T-100-125SS	N	1
1	1-1/2	N5052T-100-150SS	C	1
1	2	N5052T-100-200SS	N	1
1-1/2	1/4	N5052T-150-025SS	N	1
1-1/2	3/8	N5052T-150-038SS	C	1
1-1/2	1/2	N5052T-150-050SS	C	1
1-1/2	3/4	N5052T-150-075SS	C	1
1-1/2	1	N5052T-150-100SS	C	1
1-1/2	1-1/4	N5052T-150-125SS	C	1
1-1/2	1-1/2	N5052T-150SS	C	1
1-1/2	2	N5052T-150-200SS	C	1
1-1/2	2-1/2	N5052T-150-250SS	N	1
2	1/2	N5052T-200-050SS	N	1
2	3/4	N5052T-200-075SS	N	1
2	1	N5052T-200-100SS	N	1
2	1-1/2	N5052T-200-150SS	C	1
2	2	N5052T-200SS	C	1
2	2-1/2	N5052T-200-250SS	N	1
2	3	N5052T-200-300SS	N	1
2	4	N5052T-200-400SS	N	1
2-1/2	1	N5052T-250-100SS	N	1
2-1/2	1-1/2	N5052T-250-150SS	N	1
2-1/2	2	N5052T-250-200SS	N	1
2-1/2	2-1/2	N5052T-250SS	C	1
2-1/2	3	N5052T-250-300SS	N	1
3	1	N5052T-300-100SS	N	1
3	1-1/2	N5052T-300-150SS	N	1
3	2	N5052T-300-200SS	N	1
3	2-1/2	N5052T-300-250SS	N	1
3	3	N5052T-300SS	C	1
3	4	N5052T-300-400SS	C	1
4	4	N5052T-400SS	N	1
6	6	N5052T-600SS	N	1

*Many other sizes available.

*Tube Size	*NPT Size	Part #	Stk	Bulk Pack
1/2"	1/8"	N5062T-050-013SS	N	1
1/2	1/4	N5062T-050-025SS	N	1
1/2	3/8	N5062T-050-038SS	N	1
1/2	1/2	N5062T-050SS	C	1
1/2	3/4	N5062T-050-075SS	N	1
1/2	1	N5062T-050-100SS	N	1
1/2	1-1/2	N5062T-050-150SS	N	1
1/2	2	N5062T-050-200SS	N	1
3/4	1/2	N5062T-075-050SS	N	1
3/4	3/4	N5062T-075SS	N	1
3/4	1	N5062T-075-100SS	N	1
1	1/8	N5062T-100-013SS	N	1
1	1/4	N5062T-100-125SS	N	1
1	3/8	N5062T-100-038SS	N	1
1	1/2	N5062T-100-050SS	N	1
1	3/4	N5062T-100-075SS	C	1
1	1	N5062T-100SS	C	1
1	1-1/2	N5062T-100-125SS	N	1
1	2	N5062T-100-200SS	N	1
1-1/2	1/2	N5062T-150-050SS	N	1
1-1/2	3/4	N5062T-150-075SS	C	1
1-1/2	1	N5062T-150-100SS	C	1
1-1/2	1-1/4	N5062T-150-125SS	N	1
1-1/2	1-1/2	N5062T-150SS	C	1
1-1/2	2	N5062T-150-200SS	N	1
1-1/2	2-1/2	N5062T-150-250SS	C	1
1-1/2	3	N5062T-150-300SS	N	1
2	1/2	N5062T-200-050SS	N	1
2	3/4	N5062T-200-075SS	C	1
2	1	N5062T-200-100SS	N	1
2	1-1/2	N5062T-200-150SS	C	1
2	2	N5062T-200SS	C	1
2	2-1/2	N5062T-200-250SS	N	1
2	3	N5062T-200-300SS	N	1
2	4	N5062T-200-400SS	N	1
2-1/2	1	N5062T-250-100SS	N	1
2-1/2	1-1/2	N5062T-250-150SS	N	1
2-1/2	2	N5062T-250-200SS	N	1
2-1/2	2-1/2	N5062T-250SS	C	1
2-1/2	3	N5062T-250-300SS	N	1
3	1	N5062T-300-100SS	N	1
3	1-1/2	N5062T-300-150SS	N	1
3	2	N5062T-300-200SS	N	1
3	2-1/2	N5062T-300-250SS	N	1
3	3	N5062T-300SS	C	1
4	1-1/2	N5062T-400-150SS	N	1
4	2	N5062T-400-200SS	N	1
4	3	N5062T-400-300SS	N	1
4	4	N5062T-400SS	C	1

*Many other sizes available.





304SS Tri-Clamp Elbow 45° & 90° Bend

304SS Tri-Clamp Welding Ferrule

Tube Size*	Tube Size	Part #	Stk	Pack
45° Bend				
1/2"	1/2"	N5078T-050SS	N	1
3/4	3/4	N5078T-075SS	C	1
1	1	N5078T-100SS	C	1
1-1/2	1-1/2	N5078T-150SS	C	1
2	2	N5078T-200SS	C	1
2-1/2	2-1/2	N5078T-250SS	N	1
3	3	N5078T-300SS	C	1
4	4	N5078T-400SS	C	1
6	6	N5078T-600SS	N	1
90° Bend				
1/2"	1/2"	N5080T-050SS	N	1
3/4	3/4	N5080T-075SS	C	1
1	1	N5080T-100SS	C	1
1-1/2	1-1/2	N5080T-150SS	A	1
2	2	N5080T-200SS	C	1
2-1/2	2-1/2	N5080T-250SS	C	1
3	3	N5080T-300SS	C	1
4	4	N5080T-400SS	C	1
6	6	N5080T-600SS	N	1

Tube Size*	Overall Length*	Part #	Stk	Pack
Standard Wall				
1/2"	0.50"	N5070-050-050SS	C	1
3/4	0.50	N5070-075-050SS	C	1
1	0.50	N5070-100-050SS	C	1
1	1.13	N5070-100-113SS	C	1
1	3.00	N5070-100-300SS	C	1
1-1/2	0.50	N5070-150-050SS	C	1
1-1/2	1.13	N5070-150-113SS	C	1
1-1/2	3.00	N5070-150-300SS	C	1
2	0.50	N5070-200-050SS	C	1
2	1.13	N5070-200-113SS	B	1
2	3.00	N5070-200-300SS	C	1
2-1/2	0.50	N5070-250-050SS	C	1
2-1/2	1.13	N5070-250-113SS	C	1
2-1/2	3.00	N5070-250-300SS	C	1
3	1.13	N5070-300-113SS	C	1
3	4.00	N5070-300-400SS	C	1
4	1.13	N5070-400-113SS	C	1
4	4.00	N5070-400-400SS	C	1
6	1.13	N5070-600-113SS	C	1
6	6.00	N5070-600-600SS	N	1
10	1.50	N5070-1000-150SS	N	1
Heavy Wall				
1/2"	1.63"	N5071-050-163SS	N	1
3/4	1.63	N5071-075-163SS	N	1
1	1.63	N5071-100-163SS	C	1
1-1/2	1.63	N5071-150-163SS	C	1
2	1.75	N5071-200-175SS	C	1
2-1/2	1.75	N5071-250-175SS	N	1
3	1.81	N5071-300-181SS	C	1
4	2.13	N5071-400-213SS	C	1
6	2.50	N5071-600-250SS	C	1

*Other sizes available.

*Other sizes available.

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Stainless Steel Inserts & Sanitary



304SS Tri-Clamp Concentric Reducing Adapter

Tube Size*	Tube Size	Part #	Stk	Pack
3/4"	1/2"	N5085T-075-050SS	C	1
1	1/2	N5085T-100-050SS	N	1
1	3/4	N5085T-100-075SS	N	1
1-1/2	1/2	N5085T-150-050SS	N	1
1-1/2	3/4	N5085T-150-075SS	N	1
1-1/2	1	N5085T-150-100SS	C	1
2	1	N5085T-200-100SS	C	1
2	1-1/2	N5085T-200-150SS	A	1
2-1/2	1-1/2	N5085T-250-150SS	C	1
2-1/2	2	N5085T-250-200SS	C	1
3	1	N5085T-300-100SS	C	1
3	1-1/2	N5085T-300-150SS	C	1
3	2	N5085T-300-200SS	C	1
3	2-1/2	N5085T-300-250SS	C	1
4	1-1/2	N5085T-400-150SS	N	1
4	2	N5085T-400-200SS	C	1
4	2-1/2	N5085T-400-250SS	C	1
4	3	N5085T-400-300SS	C	1
6	2	N5085T-600-200SS	N	1
6	3	N5085T-600-300SS	N	1
6	4	N5085T-600-400SS	N	1

*Other sizes available, also "eccentric" reducers available (N5084T)

Did You KNOW? We also offer 304SS/316SS I-Line & Q-Line Sanitary Fittings.

Contact our Customer Service Team for more information.







304SS Tri-Clamp Tee

Run Size*	Branch Size*	Part #	Stk	Pack
1/2"	1/2"	N5082T-050SS	C	1
3/4	3/4	N5082T-075SS	C	1
3/4	1/2	N5082T-075-050SS	N	1
1	1/2	N5082T-100-050SS	C	1
1	3/4	N5082T-100-075SS	N	1
1	1	N5082T-100SS	C	1
1-1/2	1/2	N5082T-150-050SS	C	1
1-1/2	3/4	N5082T-150-075SS	C	1
1-1/2	1	N5082T-150-100SS	C	1
1-1/2	1-1/2	N5082T-150SS	C	1
2	1/2	N5082T-200-050SS	N	1
2	1	N5082T-200-100SS	C	1
2	1-1/2	N5082T-200-150SS	C	1
2	2	N5082T-200SS	C	1
2-1/2	1-1/2	N5082T-250-150SS	N	1
2-1/2	2	N5082T-250-200SS	N	1
2-1/2	2-1/2	N5082T-250SS	N	1
3	1-1/2	N5082T-300-150SS	C	1
3	2	N5082T-300-200SS	C	1
3	2-1/2	N5082T-300-250SS	N	1
3	3	N5082T-300SS	C	1
4	1-1/2	N5082T-400-150SS	N	1
4	2	N5082T-400-200SS	N	1
4	2-1/2	N5082T-200-250SS	N	1
4	3	N5082T-400-300SS	N	1
4	4	N5082T-400SS	N	1
6	6	N5082T-600SS	N	1

*Other sizes available.

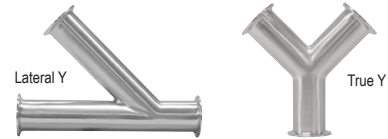
304SS Cap
(requires clamp
and gasket)



Plastic protection
slip-on dust cap
(not for use in
service)

Tri-Clamp End Caps

Tube Size	Part #	Stk	Pack
Stainless Plain End Cap			
1/2" & 3/4"	N5040-075SS	C	1
1 & 1/2	N5040-150SS	A	1
2	N5040-200SS	B	1
2-1/2	N5040-250SS	C	1
3	N5040-300SS	C	1
4	N5040-400SS	C	1
6	N5040-600SS	C	1
8	N5040-800SS	N	1
10	N5040-1000SS	N	1
Plastic Protection Slip-On Dust Cap (not for use in service)			
1/2" & 3/4"	N5040TP-075	C	1
1 & 1/2	N5040TP-150	C	1
2	N5040TP-200	C	1
2-1/2	N5040TP-250	C	1
3	N5040TP-300	C	1
4	N5040TP-400	C	1
6	N5040TP-600	C	1



304SS Tri-Clamp Y's

Tube Size	Tube Size	Part #	Stk	Pack
Lateral Y's				
1"	1"	N5074T-100SS	N	1
1-1/2	1-1/2	N5074T-150SS	N	1
2	2	N5074T-200SS	N	1
2-1/2	2-1/2	N5074T-250SS	N	1
3	3	N5074T-300SS	N	1
4	4	N5074T-400SS	N	1
True Y's				
1"	1"	N5075T-100SS	N	1
1-1/2	1-1/2	N5075T-150SS	C	1
2	2	N5075T-200SS	C	1
2-1/2	2-1/2	N5075T-250SS	N	1
3	3	N5075T-300SS	C	1
4	4	N5075T-400SS	N	1



304SS Tri-Clamp Cross

Tube Size	Part #	Stk	Pack
1"	N5076T-100SS	C	1
1-1/2	N5076T-150SS	C	1
2	N5076T-200SS	C	1
2-1/2	N5076T-250SS	N	1
3	N5076T-300SS	C	1
4	N5076T-400SS	N	1



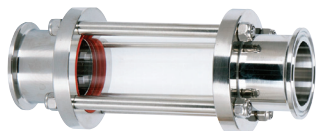
304SS Tri-Clamp 180°

Tube Size	Part #	Stk	Pack
1-1/2"	N5081T-150SS	C	1



**For Washdown Stations,
Nozzles & Accessories:**
See page 20





Replacement Seal & Glass Available

304SS Pyrex Sanitary Tri-Clamp Sight Glass

Size	Part #	Stk	Pack
1"	N5088-100SS	C	1
1-1/2"	N5088-150SS	C	1
2"	N5088-200SS	C	1
3"	N5088-300SS	N	1

Replacement Pyrex Sight Glass*

1"	N5088RG-100	C	1
1-1/2"	N5088RG-150	C	1
2"	N5088RG-200	C	1

Replacement Silicone Seal*

1"	N5088RS-100	C	1
1-1/2"	N5088RS-150	C	1
2"	N5088RS-200	C	1

*For Tassalini brand parts, use N5088RGT- and N5088RST-



316SS Compact Sanitary Tri-Clamp Sight Glass

Size	Part #	Stk	Pack
1"	N5088C-100SS	C	1
1-1/2"	N5088C-150SS	C	1
2"	N5088C-200SS	C	1

304SS Tri-Clamp Cap x FNPT Port (Compact)

Tube Size*	FNPT Size*	Part #	Stk	Pack
1-1/2"	1/4"	N5040TC-150-025SS	C	1
1-1/2"	1/2"	N5040TC-150-050SS	C	1
1-1/2"	3/4"	N5040TC-150-075SS	C	1
2"	1/2"	N5040TC-200-050SS	C	1
2"	3/4"	N5040TC-200-075SS	C	1
2-1/2"	3/4"	N5040TC-250-075SS	N	1
3"	3/4"	N5040TC-300-075SS	C	1
4"	3/4"	N5040TC-400-075SS	N	1

*Other sizes available.

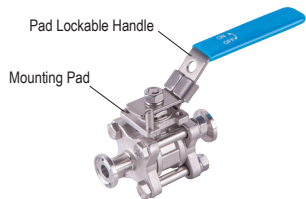


304SS Tri-Clamp x Camlock

Tube Size	Camlock	Part #	Stk	Pack
1-1/2"	Male A	N5050-150SS	C	1
2"	Male A	N5050-200SS	C	1
3"	Male A	N5050-300SS	N	1
4"	Male A	N5050-400SS	N	1
1-1/2"	Fem D	N5060-150SS	C	1
2"	Fem D	N5060-200SS	C	1
3"	Fem D	N5060-300SS	C	1
4"	Fem D	N5060-400SS	N	1

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Stainless Steel Inserts & Sanitary

Food Grade Sanitary Tri-Clamp Valves



304SS 3-Piece Tri-Clamp Ball Valve* w/ Locking & Mounting Pad, Non-Encapsulated

Tube Size	Part #	Stk	Pack
1/2"	N5090TLM-050SS	C	1
3/4"	N5090TLM-075SS	C	1
1"	N5090TLM-100SS	C	1
1-1/2"	N5090TLM-150SS	C	1
2"	N5090TLM-200SS	C	1
2-1/2"	N5090TLM-250SS	N	1
3"	N5090TLM-300SS	C	1
4"	N5090TLM-400SS	C	1

*Repair kits are available - brand specific (N5090TLMK-xxxSS).



304SS* Tri-Clamp Butterfly Valve w/ 304SS Handle & Silicone Seal

Tube Size	Part #	Stk	Pack
1"	N5095-100SS	C	1
1-1/2"	N5095-150SS	A	1
2"	N5095-200SS	C	1
2-1/2"	N5095-250SS	C	1
3"	N5095-300SS	C	1
4"	N5095-400SS	C	1
6"	N5095-600SS	N	1

*Available in 316SS (Part # N5095-xxxSS316).





304SS Tri-Clamp Spring Loaded Check Valve

These spring loaded check valves are suitable low & medium viscosity fluids up to maximum 145 psi working pressure. They are field serviceable with no special tools required (repair kits available upon request).
Temperature Range: -9°C (15°F) to 93°C (200°F).

Tube Size	Part #	Stk	Pack
1/2"	N10073TC-050SS	N	1
3/4"	N10073TC-075SS	N	1
1"	N10073TC-100SS	C	1
1-1/2"	N10073TC-150SS	C	1
2"	N10073TC-200SS	C	1
2-1/2"	N10073TC-250SS	N	1
3"	N10073TC-300SS	C	1
4"	N10073TC-400SS	N	1



304SS 2-Piece Tri-Clamp 'Y' Ball Check Valve

Ball Check Valves are designed to prevent reverse flow with a minimal change in flow velocity. This Tri-Clamp 'Y' ball check valve is rated for maximum 150 psi applications and have a 2-piece body design that is field serviceable with no special tools required (repair kits available upon request). The internal ball check is PTFE.
Temperature Range: -9°C (15°F) to 93°C (200°F).

Tube Size	Part #	Stk	Pack
1-1/2"	N10077TCY-150SS	N	1
2"	N10077TCY-200SS	N	1
2-1/2"	N10077TCY-250SS	N	1
3"	N10077TCY-300SS	N	1



304SS Tri-Clamp Ball Valve w/ Serviceable Clamp Access & Drain

Tube Size	Part #	Stk	Pack
1"	N5090DC-100SS	N	1
1-1/2"	N5090DC-150SS	C	1
2"	N5090DC-200SS	C	1
3"	N5090DC-300SS	C	1



304SS Tri-Clamp Ball Valve w/ Drain

Tube Size	Part #	Stk	Pack
1"	N5090-100SS	C	1
1-1/2"	N5090-150SS	C	1
2"	N5090-200SS	C	1
3"	N5090-300SS	C	1
4"	N5090-400SS	N	1



304SS Tri-Clamp Compact Ball Valve

Tube Size	Part #	Stk	Pack
1/2"	N5090C-050SS	N	1
3/4"	N5090C-075SS	N	1
1"	N5090C-100SS	C	1
1-1/2"	N5090C-150SS	B	1
2"	N5090C-200SS	C	1
2-1/2"	N5090C-250SS	N	1
3"	N5090C-300SS	C	1
4"	N5090C-400SS	N	1



304SS 3-Way Compact L Port Ball Tri-Clamp Ball Valve

These 3-Way, compact ball valves can be used in a wide variety of applications. Easy diversion is possible due to the unrestricted flow design. These valves are rated for a maximum of 145 PSI.

Temperature Range: -30°C (-22°F) to +130°C (266°F)

Tube Size	Part #	Stk	Pack
3/4"	N5090CL-075SS	N	1
1"	N5090CL-100SS	C	1
1-1/2"	N5090CL-150SS	C	1
2"	N5090CL-200SS	C	1
2-1/2"	N5090CL-250SS	N	1
3"	N5090CL-300SS	N	1
4"	N5090CL-400SS	N	1



i For Stainless Steel Gauges:
See page 65





**304SS Tri-Clamp Compact Ball Valve
w/ Plastic Handle**

Butterfly valves are ideal for either manual shutoff service or as a flow control to reduce volume. These valves are rated for maximum 145 PSI, feature a poly handle and come with either a silicone, EPDM or Viton seat. **Temperature Range:** -30°C (-22°F) to +130°C (266°F)

Tube Size	Part #	Stk	Pack
1"	N5095C-100SS	C	1
1-1/2"	N5095C-150SS	B	1
2"	N5095C-200SS	B	1
2-1/2"	N5095C-250SS	N	1
3"	N5095C-300SS	C	1
4"	N5095C-400SS	N	1



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304SS Tri-Clamp Pressure Relief Safety Valve

These valves are designed to prevent operational danger and equipment breakdown by relieving pressure from pipe lines and pumps. They are best suited for protecting equipment in food & beverage, pharmaceutical and fine chemical applications. They have a maximum working pressure of 115 PSI.

Temperature Range: -30°C (-22°F) to +120°C (248°F)

Tube Size	Part #	Stk	Pack
1"	N5093AP-100SS	N	1
1-1/2"	N5093AP-150SS	N	1
2"	N5093AP-200SS	N	1



**304SS Stainless Steel Topping Gun
w/ 3/4" Tube Outlet**

FNPT Size	Part #	Stk	Pack
1/2"	N5099-050SS	C	1



**Stainless Steel Tri-Clamp Vacuum &
Pressure Relief Valve**

Tube Size	Part #	Stk	Pack
1-1/2"	N5093RV-150SS	C	1
2"	N5093RV-200SS	C	1

298V



304SS Sampling Plug / Tap / Valve

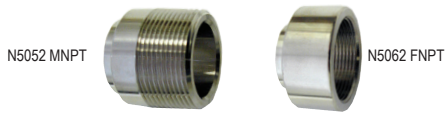
Tri-Clamp Size	Part #	Stk	Pack
1" & 1/2"	N5098E-100SS (Regular w/ 3/8" Barb)	C	1
1 & 1/2"	N5098-100SS (w/ Spout & Knurl Nut)	C	1
1 & 1/2"	N5098L-100SS (w/ Top Knob & Hook)	C	1
1 & 1/2"	N5098T-100SS (w/ Toggle & Hook)	C	1

Did You KNOW?

We also offer Block & Bleeds!
Also available in other sizes and configurations.

Contact our Customer Service Team for more information.





304SS Weld x NPT Adapter

Tube Size	NPT Size	Part #	Stk	Pack
Weld x Male NPT				
1"	1"	N5052-100SS	C	1
1-1/2"	1-1/2"	N5052-150SS	C	1
2"	2"	N5052-200SS	C	1
2-1/2"	2-1/2"	N5052-250SS	N	1
3"	3"	N5052-300SS	C	1
4"	4"	N5052-400SS	N	1
Weld x Female NPT				
1"	1"	N5062-100SS	C	1
1-1/2"	1-1/2"	N5062-150SS	N	1
2"	2"	N5062-200SS	N	1
2-1/2"	2-1/2"	N5062-250SS	N	1
3"	3"	N5062-300SS	N	1
4"	4"	N5062-400SS	N	1



304SS Weld-On Concentric Reducer

Tube Size	Part #	Stk	Pack
2" x 1"	N5085-200-100SS	N	1
3 x 2-1/2"	N5085-300-250SS	N	1



304SS Weld Tee

Tube Size	Tube Size	Part #	Stk	Dimensions	Pack
Short Leg					
1"	1"	N5082-100SS	C	-	1
1-1/2"	1-1/2"	N5082-150SS	C	3.5" W x 2.5" H	1
2"	2"	N5082-200SS	C	4.13" W x 3.13" H	1
2-1/2"	2-1/2"	N5082-250SS	N	-	1
3"	3"	N5082-300SS	N	-	1
4"	4"	N5082-400SS	N	-	1
Long Leg					
1-1/2"	1-1/2"	N5082L-150SS	C	4.5" W x 3.2" H	1
2"	2"	N5082L-200SS	C	6.25" W x 4.13" H	1



304SS Weld True Y

Tube Size	Tube Size	Part #	Stk	Pack
1"	1"	N5075-100SS	C	1
1-1/2"	1-1/2"	N5075-150SS	C	1
2"	2"	N5075-200SS	C	1
2-1/2"	2-1/2"	N5075-250SS	N	1
3"	3"	N5075-300SS	N	1
4"	4"	N5075-400SS	N	1

Food Grade Sanitary Acme Threaded Fittings



304SS Hose Barb x Male Acme Thread

Hose I.D.	Acme Size	Part #	Stk	Pack
Standard Length Stem Male Acme Thread				
1"	1"	N5021-100SS	N	1
1-1/2"	1-1/2"	N5021-150SS	C	1
2"	2"	N5021-200SS	C	1
2-1/2"	2-1/2"	N5021-250SS	N	1
3"	3"	N5021-300SS	C	1
4"	4"	N5021-400SS	N	1
Long Stem Male Acme Thread				
1-1/2"	1-1/2"	N5022-150SS	N	1
2"	2"	N5022-200SS	N	1



Bevel End Cap (For Use with Acme Thread)

Tube Size	Part #	Stk	Pack
1"	N5040FA-100SS	N	1
1-1/2"	N5040FA-150SS	C	1
2"	N5040FA-200SS	C	1
2-1/2"	N5040FA-250SS	N	1
3"	N5040FA-300SS	C	1
4"	N5040FA-400SS	N	1





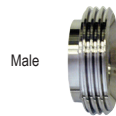
N5015 Standard Acme Stem (Gaskets & Nuts Sold Separately)



N5019 Interlocking Crimp Acme Stem (Nut Sold Separately)



For use with N5013- and N5019- Interlocking Barbs only



Male



Female

304SS Hose Barb Insert x Female Bevel Acme

304SS Acme Bevel Seat Weld Ferrule & Spud

Hose I.D.	Acme Size	Part #	Stk	Pack
Standard Bevel Seat Stem (Nut Sold Separately)				
1"	1"	N5015-100SS	N	1
1-1/2"	1-1/2"	N5015-150SS	C	1
2"	2"	N5015-200SS	C	1
2-1/2"	2-1/2"	N5015-250SS	N	1
3"	3"	N5015-300SS	C	1
4"	4"	N5015-400SS	N	1
Long Bevel Seat Stem (Nut Sold Separately)				
1-1/2"	1-1/2"	N5016-150SS	N	1
2"	2"	N5016-200SS	N	1
Interlocking Crimp Bevel Seat Stem Only (Use N5013F- Ferrule and N5019N- Nut Sold Separately)				
1"	1"	N5019-100SS	N	1
1-1/2"	1-1/2"	N5019-150SS	C	1
2"	2"	N5019-200SS	C	1
3"	3"	N5019-300SS	C	1
4"	4"	400SSN5019-	N	1
Interlocking Crimp Ferrule Only (Use with N5019 Interlock Stem)				
1"	1"	N5013F-100-xxxSS	B	1
1-1/2"	1-1/2"	N5013F-150-xxxSS	B	1
2"	2"	N5013F-200-xxxSS	B	1
3"	3"	N5013F-300-xxxSS	C	1
4"	4"	N5013F-400-xxxSS	N	1

Size	Overall Length	Part #	Stk	Pack
Male Acme				
1"	.072"	N5070MA-100-075S	N	1
1"	1.38	N5070MA-100-138S	N	1
1"	2.00	N5070MA-100-200S	N	1
1-1/2"	0.72	N5070MA-150-075S	N	1
1-1/2"	1.50	N5070MA-150-150S	N	1
1-1/2"	2.25	N5070MA-150-225S	N	1
2"	0.75	N5070MA-200-075S	N	1
2"	1.50	N5070MA-200-150S	N	1
2"	2.50	N5070MA-200-250S	N	1
Female Bevel (Nut Sold Separately)				
1"	.072"	N5070FA-100-075S	N	1
1"	1.38	N5070FA-100-138S	N	1
1"	2.00	N5070FA-100-200S	N	1
1-1/2"	0.72	N5070FA-150-075S	N	1
1-1/2"	1.50	N5070FA-150-150S	N	1
1-1/2"	2.25	N5070FA-150-225S	N	1
2"	0.75	N5070FA-200-075S	N	1
2"	1.50	N5070FA-200-150S	N	1
2"	2.50	N5070FA-200-250S	N	1

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Stainless Steel Inserts & Sanitary



Tri-Clamp x Male Acme Bevel Adapter

Hose I.D.	Acme Size	Part #	Stk	Pack
1"	1"	N5052AM-100SS	N	1
1-1/2"	1-1/2"	N5052AM-150SS	C	1
2"	2"	N5052AM-200SS	C	1
2-1/2"	2-1/2"	N5052AM-250SS	N	1
3"	3"	N5052AM-300SS	N	1
4"	4"	N5052AM-400SS	N	1



Tri-Clamp x Female Acme Bevel Adapter

Hose I.D.	Acme Size	Part #	Stk	Pack
1"	1"	N5052AF-100SS	N	1
1-1/2"	1"	N5052AF-150-100SS	N	1
1-1/2"	1-1/2"	N5052AF-150SS	C	1
2"	2"	N5052AF-200SS	C	1
2-1/2"	2-1/2"	N5052AF-250SS	N	1
3"	3"	N5052AF-300SS	N	1
4"	4"	N5052AF-400SS	N	1



N5030 Standard Nut



N5004 Buna Gasket

Acme Thread Bevel Nut & Gaskets

Size	Part #	Stk	Pack
Standard Nut Only			
1"	N5030-100SS	C	1
1-1/2"	N5030-150SS	C	1
2"	N5030-200SS	C	1
2-1/2"	N5030-250SS	C	1
3"	N5030-300SS	C	1
4"	N5030-400SS	N	1
Interlocking Crimp Nut			
1"	N5019N-100SS	N	1
1-1/2"	N5019N-150SS	N	1
2"	N5019N-200SS	N	1
2-1/2"	N5019N-250SS	N	1
3"	N5019N-300SS	N	1
4"	N5019N-400SS	N	1
Black Buna-N Gasket Only			
1"	N5004-100BN	C	10
1-1/2"	N5004-150BN	C	10
2"	N5004-200BN	C	10
2-1/2"	N5004-250BN	C	5
3"	N5004-300BN	C	5
4"	N5004-400BN	N	5
White PTFE Gasket Only			
1-1/2"	N5004-150TE	C	10
2"	N5004-200TE	C	10
2-1/2"	N5004-250TE	C	5
3"	N5004-300TE	C	5
4"	N5004-400TE	N	5





These are popular in Europe on certain winery and brewery equipment or systems. They do not interchange with Tri-Clamp or Acme threaded sanitary fittings. DIN 25 is 1" tube use suffix -100 (25mm), DIN 40 is 1.5" (40mm), DIN 50 is 2" (50mm), DIN 65 is 2.5" (65mm), DIN 80 is 3" (80mm), DIN 100 is 4" (100mm).

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Hose Barb Insert x Liner DIN (Nut Sold Separately)

Tube O.D.	DIN Size	*Part #	Stk
1"	DIN25	N5015D-100SS	C
1-1/2	DIN40	N5015D-150SS	C
2	DIN50	N5015D-200SS	C
2-1/2	DIN65	N5015D-250SS	N
3	DIN80	N5015D-300SS	N
4	DIN100	N5015D-400SS	N

*Must be used with N5030D-xxxSS Nut



DIN Round Nuts

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5030D-100SS	C
1-1/2	DIN40	N5030D-150SS	C
2	DIN50	N5030D-200SS	C
2-1/2	DIN65	N5030D-250SS	C
3	DIN80	N5030D-300SS	C
4	DIN100	N5030D-400SS	N



DIN Black EPDM Gaskets

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5004D-100EP	C
1-1/2	DIN40	N5004D-150EP	C
2	DIN50	N5004D-200EP	C
2-1/2	DIN65	N5004D-250EP	C
3	DIN80	N5004D-300EP	C
4	DIN100	N5004D-400EP	C



Hose Barb x Male DIN

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5021D-100SS	N
1-1/2	DIN40	N5021D-150SS	C
2	DIN50	N5021D-200SS	C
2-1/2	DIN65	N5021D-250SS	N
3	DIN80	N5021D-300SS	N
4	DIN100	N5021D-400SS	N



Tri-Clamp x Male DIN Adapter

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5052DM-100SS	C
1-1/2	DIN40	N5052DM-150SS	C
2	DIN50	N5052DM-200SS	C
2-1/2	DIN65	N5052DM-250SS	N
3	DIN80	N5052DM-300SS	C
4	DIN100	N5052DM-400SS	N



DIN Blank Caps - Female Liner Ends

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5040FD-100SS	C
1-1/2	DIN40	N5040FD-150SS	C
2	DIN50	N5040FD-200SS	C
2-1/2	DIN65	N5040FD-250SS	N
3	DIN80	N5040FD-300SS	N
4	DIN100	N5040FD-400SS	N



Interlocking Hose Barb x Female Liner DIN

Tube O.D.	DIN Size	*Part #	Stk
<i>(Use with N5013F- Ferrule)</i>			
1"	DIN25	N5013DF-100SS	N
1-1/2	DIN40	N5013DF-150SS	C
2	DIN50	N5013DF-200SS	C
2-1/2	DIN65	N5013DF-250SS	N
3	DIN80	N5013DF-300SS	N
4	DIN100	N5013DF-400SS	N

*Must be used with N5030D-xxxSS Nut



Tri-Clamp x Female DIN Adapter

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5052DF-100SS	C
1-1/2	DIN40	N5052DF-150SS	C
2	DIN50	N5052DF-200SS	C
2-1/2	DIN65	N5052DF-250SS	N
3	DIN80	N5052DF-300SS	C
4	DIN100	N5052DF-400SS	N

*Jump Sizes Available



DIN Threaded Blank Caps

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5040CD-100SS	N
1-1/2	DIN40	N5040CD-150SS	C
2	DIN50	N5040CD-200SS	N
2-1/2	DIN65	N5040CD-250SS	N
3	DIN80	N5040CD-300SS	N
4	DIN100	N5040CD-400SS	N



Interlocking Hose Barb x Male DIN

Tube O.D.	DIN Size	Part #	Stk
<i>(Use with N5013F- Ferrule)</i>			
1"	DIN25	N5013DM-100SS	N
1-1/2	DIN40	N5013DM-150SS	C
2	DIN50	N5013DM-200SS	C
2-1/2	DIN65	N5013DM-250SS	N
3	DIN80	N5013DM-300SS	N
4	DIN100	N5013DM-400SS	N



DIN Weld Male*

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5070MD-100SS	N
1-1/2	DIN40	N5070MD-150SS	N
2	DIN50	N5070MD-200SS	C
2-1/2	DIN65	N5070MD-250SS	N
3	DIN80	N5070MD-300SS	N
4	DIN100	N5070MD-400SS	N

*Longer OAL fittings are available.



DIN Weld Female Liner*

Tube O.D.	DIN Size	*Part #	Stk
1"	DIN25	N5070FD-100SS	N
1-1/2	DIN40	N5070FD-150SS	C
2	DIN50	N5070FD-200SS	C
2-1/2	DIN65	N5070FD-250SS	N
3	DIN80	N5070FD-300SS	N
4	DIN100	N5070FD-400SS	N

*Must be used with N5030D-xxxSS Nut
*Longer OAL fittings are available.





DIN Male x DIN Male 90° Elbow

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5080DM-100SS	N
1-1/2	DIN40	N5080DM-150SS	N
2	DIN50	N5080DM-200SS	N
2-1/2	DIN65	N5080DM-250SS	N
3	DIN80	N5080DM-300SS	N
4	DIN100	N5080DM-400SS	N



DIN Female Liner Branch Tee

Tube O.D.	DIN Size	Part #	Stk
1-1/2	DIN40	N5082DF-150SS	N
2	DIN50	N5082DF-200SS	N
2-1/2	DIN65	N5082DF-250SS	N
3	DIN80	N5082DF-300SS	N
4	DIN100	N5082DF-400SS	N



DIN Male x DIN Female Liner Branch Tee

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5082DMF-100SS	N
1-1/2	DIN40	N5082DMF-150SS	C
2	DIN50	N5082DMF-200SS	N
2-1/2	DIN65	N5082DMF-250SS	N
3	DIN80	N5082DMF-300SS	N
4	DIN100	N5082DMF-400SS	N



DIN Male x DIN Female Liner 90° Elbow

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5080DMF-100SS	N
1-1/2	DIN40	N5080DMF-150SS	C
2	DIN50	N5080DMF-200SS	C
2-1/2	DIN65	N5080DMF-250SS	N
3	DIN80	N5080DMF-300SS	N
4	DIN100	N5080DMF-400SS	N



DIN Male x DIN Female Liner 45° Elbow

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5078DMF-100SS	N
1-1/2	DIN40	N5078DMF-150SS	N
2	DIN50	N5078DMF-200SS	N
2-1/2	DIN65	N5078DMF-250SS	N
3	DIN80	N5078DMF-300SS	N
4	DIN100	N5078DMF-400SS	N



DIN Female Liner x DIN Male Branch Tee

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5082DFM-100SS	N
1-1/2	DIN40	N5082DFM-150SS	C
2	DIN50	N5082DFM-200SS	N
2-1/2	DIN65	N5082DFM-250SS	N
3	DIN80	N5082DFM-300SS	N
4	DIN100	N5082DFM-400SS	N



DIN & SMS Spanner Wrench

Tube O.D.	DIN Size	Part #	Stk
1-1.5"	25-40	N5072-DIN/SMS-100	C
2-4	50-100	N5072-DIN/SMS-200	N



DIN Male x DIN Male

Tube O.D.	DIN Size	Part #	Stk
1-1/2"	DIN40	N5055DMM-150SS	C
2	DIN50	N5055DMM-200SS	N



DIN Male x DIN Male 45° Elbow

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5078DM-100SS	N
1-1/2	DIN40	N5078DM-150SS	N
2	DIN50	N5078DM-200SS	N
2-1/2	DIN65	N5078DM-250SS	N
3	DIN80	N5078DM-300SS	N
4	DIN100	N5078DM-400SS	N



DIN Male x DIN Female Liner Sight Glass

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5088DMF-100SS	N
1-1/2	DIN40	N5088DMF-150SS	C
2	DIN50	N5088DMF-200SS	N
2-1/2	DIN65	N5088DMF-250SS	N
3	DIN80	N5088DMF-300SS	N
4	DIN100	N5088DMF-400SS	N



DIN Male x DIN Male Sanitary Valve

Tube O.D.	DIN Size	*Part #	Stk
1"	DIN25	N5095DM-100SS	N
1-1/2	DIN40	N5095DM-150SS	C
2	DIN50	N5095DM-200SS	N
2-1/2	DIN65	N5095DM-250SS	N
3	DIN80	N5095DM-300SS	N
4	DIN100	N5095DM-400SS	N

*Replace DM with DF for Female Version.



DIN Male x DIN Female Liner Sanitary Valve

Tube O.D.	DIN Size	Part #	Stk
1"	DIN25	N5095DMF-100SS	N
1-1/2	DIN40	N5095DMF-150SS	C
2	DIN50	N5095DMF-200SS	C
2-1/2	DIN65	N5095DMF-250SS	N
3	DIN80	N5095DMF-300SS	N
4	DIN100	N5095DMF-400SS	N

7
Stainless Steel Inserts & Sanitary





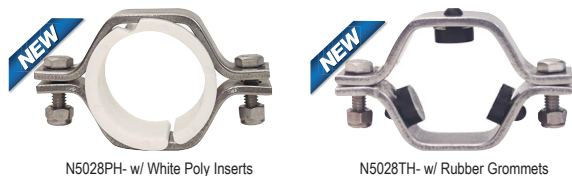
Shown Installed on N5013 Stem (sold separately, see N5013FB-xxxSS)

Silicone Tri-Clamp Safety Bump For N5013 Stems

These provide impact resistance when hose ends are dropped. They slip onto the hose end (like a sleeve) prior to inserting.

Size	Part #	Stk
1"	N5013SB-100XC	C
1-1/2"	N5013SB-150XC	C
2"	N5013SB-200XC	C
2-1/2"	N5013SB-250XC	N
3"	N5013SB-300XC	N

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N5028PH- w/ White Poly Inserts

N5028TH- w/ Rubber Grommets

Tubing/Pipe Hanger 304SS w/ PVC Insert

Pipe/Tubing Size	Part #	Stk	Pack
w/ White Poly Inserts			
1"	N5028PH-100SS	C	1
1-1/2"	N5028PH-150SS	C	1
2"	N5028PH-200SS	C	1
2-1/2"	N5028PH-250SS	N	1
3"	N5028PH-300SS	C	1
4"	N5028PH-400SS	N	1
6"	N5028PH-600SS	N	1
w/ Rubber Grommets			
1"	N5028TH-100SS	B	1
1-1/2"	N5028TH-150SS	B	1
2"	N5028TH-200SS	B	1
2-1/2"	N5028TH-250SS	N	1
3"	N5028TH-300SS	C	1
4"	N5028TH-400SS	N	1
6"	N5028TH-600SS	N	1
Replacement Rubber Grommets (Sold Separately)			
1-1/8"	N5028RG-013BN	C	1

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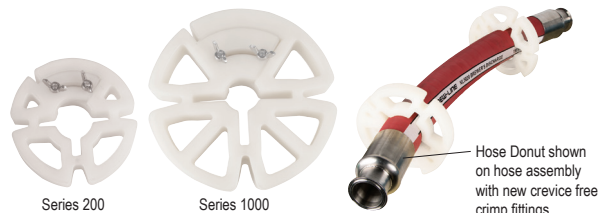


Polypropylene Dispensing Nozzles

These food grade nozzles have Viton seals, stainless pin/spring, and a trigger lock for dispensing into drums or totes. They come with a hose barb end. For non-food grade, such as for certain cleaning chemicals, solvents, etc. we also carry black polypropylene (N3050-xxx-xxxPP series, Viton seals, 304SS pin/spring).

Hose Size	Part #	Stk	Pack
1/2"	N3050H-050WP	N	1
3/4"	N3050H-075WP	C	1
1"	N3050H-100WP	C	1

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



Series 200

Series 1000

Hose Donut shown on hose assembly with new crevice free crimp fittings.

Hose Donut Risers

Hose donuts (or risers) are designed to support & elevate hose and sanitary stainless steel piping systems to prevent bacterial growth, extend service life of hose & protect stainless steel end connections from damage. They are made of a lightweight, impact & crack resistant food grade polyurethane material and are designed for a wide range of hose diameters. The standard Series 200 have 1" width and elevate hose 2 inches off the ground whereas the series 1000 have a 1-1/2" width and a 10" overall diameter.

Hose Range O.D.	Part #	Stk	Bulk Pack
Standard Series 200			
1.24"-1.75"	HD200-100	C	1
1.80-2.38	HD200-150	B	1
2.38-2.90	HD200-200	B	1
2.75-3.50	HD200-250	C	1
3.40-4.25	HD200-300	C	1
4.38-5.40	HD200-400	C	1
Series 1000 - 10" Overall Diameter			
1.80"-2.38"	HD1000-150	N	1
2.39-2.90	HD1000-200	N	1
2.75-3.50	HD1000-250	N	1
3.40-4.25	HD1000-300	C	1
4.38-5.40	HD1000-400	C	1
5.40-6.50	HD1000-500	N	1
6.40-7.40	HD1000-600	N	1

403



Bulk Nozzles 316SS

These have a PTFE seal, food grade EPDM o-ring, 316SS body, and nominal pressure rating 145psi (liquids only, including beverages and some solvents or chemicals) for filling totes, containers, sampling, admixing, etc. N5195 automatic will register the change in flow pressure and stop automatically, whereas the N5194 has a manual trigger. N5195 automatic requires a min pressure of approx 16 psi at the nozzle to shut off properly, and it can only handle light fluids or media (not thicker than diesel as an example) due to its internal workings. N5194 manual nozzle can handle thicker fluids (such as the thickness of paint as an example).

Size*	Part #	Spout Dia x Length	Stk
Manual Trigger w/ 35° Spout			
1" Male NPT	N5194-100SS	1.10" x 7.1"	N
1-1/2" Male NPT	N5194-150SS	1.57 x 8.3	N
Automatic Shut Off w/ 90° Spout			
1" Male NPT	N5195-100SS	1.10" x 1.6"	N
1-1/2" Male NPT	N5195-150SS	1.57 x 7.9	N

*Also available with live swivel Male NPT, N5194S & N5195S.

298V



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



All 301 Stainless Steel w/ Nylon Lock Nut

Our standard N68 all 301 stainless steel T-bolt clamps provide greater holding and tightening strength than traditional gear clamps. They are seen across a variety of industries - but are becoming less preferred to heavier, more reliable clamps such as our N73 Series. Exceeding torque ratings will bend bolt, warp housing, and possibly break spot welds - do not assemble with an air tool (maximum torque is 50 ft/lbs and nut is suitable to +120°C (248°F)). It is good practice to check for tightness at regular intervals while in service.

Clamp Range	Part #	Stk	Bulk Pkg
1.26" - 1.46"	N68-125	B	6
1.38 - 1.57	N68-138	B	6
1.50 - 1.69	N68-150	B	6
1.65 - 1.89	N68-162	B	6
1.73 - 2.01	N68-175	B	6
1.89 - 2.20	N68-188	A	6
2.00 - 2.28	N68-200	B	6
2.13 - 2.44	N68-213	B	6
2.24 - 2.56	N68-225	B	6
2.36 - 2.68	N68-238	A	6
2.48 - 2.80	N68-250	B	6
2.64 - 2.95	N68-263	B	6
2.76 - 3.07	N68-275	B	6
2.87 - 3.19	N68-288	B	6
3.03 - 3.35	N68-306	B	6
3.27 - 3.58	N68-325	B	6
3.39 - 3.70	N68-338	B	6
3.50 - 3.82	N68-356	C	6
3.74 - 4.06	N68-381	C	6
4.02 - 4.33	N68-406	C	6
4.31 - 4.62	N68-431	B	6
4.56 - 4.88	N68-456	B	6
4.76 - 5.08	N68-481	C	6
5.00 - 5.31	N68-506	C	6
5.24 - 5.55	N68-531	C	6
5.51 - 5.83	N68-556	C	6
5.98 - 6.30	N68-600	C	6
6.26 - 6.57	N68-625	C	6
6.50 - 6.81	N68-650	C	6
6.77 - 7.09	N68-675	C	6
7.25 - 7.56	N68-725	N	6
8.06 - 8.37	N68-800	N	6
8.94 - 9.12	N68-875	N	6

305



Single Bolt



Special Double Bolt N73DB
Stainless N73DBP Plated Steel

All 304 Stainless Steel HD Bolt Clamp

With the introduction of generic bolt clamps to our market, we now have a lower cost option to the traditional N75/N77 Mikalor Brand Clamps. They are suitable for a wide range of agricultural, marine, industrial, and OEM applications where a heavy duty clamp is preferred over lighter duty gear or T-bolt clamps (not designed for use on silicone hose, refer to spring loaded clamps). Their special bolts are designed to withstand higher tensions (thread lock fluid can be used to prevent bolts from vibrating loose) and the thick band has beveled edges to prevent possible damage to the cover of the hose. 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.

Clamp Range	Part #	Torque lbs	Stk	Bulk Pkg
0.67" - 0.75"	N73-1719	3.70 lbs	C	10
0.75 - 0.83	N73-1921	3.70	C	10
0.79 - 0.89	N73-2022	3.70	C	10
0.83 - 0.91	N73-2123	3.70	B	10
0.91 - 0.98	N73-2325	3.70	B	10
1.02 - 1.10	N73-2628	3.70	B	10
1.06 - 1.14	N73-2729	3.70	B	10
1.14 - 1.22	N73-2931	9.60	B	10
1.18 - 1.30	N73-3033	9.60	B	10
1.26 - 1.38	N73-3235	9.60	B	10
1.34 - 1.46	N73-3437	9.60	B	10
1.42 - 1.54	N73-3639	9.60	B	10
1.57 - 1.69	N73-4043	9.60	B	10
1.69 - 1.81	N73-4346	9.60	B	10
1.73 - 1.85	N73-4447	9.60	B	10
1.89 - 2.00	N73-4851	9.60	B	10
2.05 - 2.17	N73-5255	9.60	B	10
2.20 - 2.32	N73-5659	9.60	B	10
2.36 - 2.48	N73-6063	9.60	B	10
2.52 - 2.64	N73-6467	9.60	B	10
2.68 - 2.87	N73-6873	18.40	C	10
2.91 - 3.11	N73-7479	18.40	C	10
3.15 - 3.35	N73-8085	18.40	C	10
3.39 - 3.58	N73-8691	18.40	C	10
3.62 - 3.82	N73-9297	18.40	C	10
3.86 - 4.06	N73-98103	18.40	C	10
4.09 - 4.41	N73-104112	18.40	C	10
4.45 - 4.76	N73-113121	18.40	C	10
4.80 - 5.12	N73-122130	18.40	C	10
5.16 - 5.47	N73-131139	29.50	C	10
5.51 - 5.83	N73-140148	29.50	C	10
5.87 - 6.34	N73-149161	29.50	C	10
6.38 - 6.85	N73-162174	29.50	C	10
6.89 - 7.36	N73-175187	29.50	C	10
7.40 - 7.87	N73-188200	29.50	C	10
7.91 - 8.39	N73-201213	29.50	N	10
8.34 - 8.90	N73-214226	29.50	N	10
8.94 - 9.41	N73-227239	29.50	N	10
9.45 - 9.92	N73-240252	29.50	N	10

307





All Stainless - Gear Clamp

These are popular, general purpose clamps with a 301 stainless band and a 305 stainless screw for added resistance in corrosive environments. For highly corrosive environments in permanent applications, we also offer a completely 316 stainless clamp on the following page.

Clamp Range	Part #	Stk	Bulk Pkg
Miniature - Narrow 5/16" Band			
0.24" - 0.63"	N63-04	A	10
0.31 - 0.87	N63-06	A	10
0.43 - 0.98	N63-08	B	10
0.55 - 1.06	N63-10	C	10
0.55 - 1.26	N63-12	C	10
1/2" Wide Band			
0.39" - 0.79"	N64-06	A	10
0.51 - 0.98	N64-08	A	10
0.55 - 1.06	N64-10	A	10
0.67 - 1.26	N64-12	A	10
0.63 - 1.50	N64-16	A	10
0.83 - 1.73	N64-20	A	10
1.06 - 2.01	N64-24	A	10
1.46 - 2.36	N64-28	A	10
1.57 - 2.52	N64-32	A	10
1.81 - 2.76	N64-36	A	10
2.05 - 2.99	N64-40	A	10
2.32 - 3.27	N64-44	B	10
2.56 - 3.50	N64-48	A	10
2.80 - 3.74	N64-52	A	10
3.07 - 4.02	N64-56	A	10
3.31 - 4.25	N64-60	B	10
3.54 - 4.49	N64-64	A	10
4.06 - 5.00	N64-72	A	10
4.61 - 5.51	N64-80	B	10
4.37 - 5.71	N64-84	C	10
5.12 - 5.98	N64-88	B	10
5.63 - 6.50	N64-96	B	10
6.14 - 7.01	N64-104	B	10
6.89 - 7.76	N64-116	B	10
7.64 - 8.50	N64-128	A	10
9.13 - 10.00	N64-152	B	10
8.74 - 10.75	N64-160	B	10
10.87 - 11.73	N64-180	C	10
10.87 - 12.24	N64-190	B	10
12.28 - 13.62	N64-212	C	10
13.27 - 14.49	N64-224	B	10
14.80 - 15.98	N64-248	C	10
15.87 - 17.36	N64-270	C	10
18.50 - 20.00	N64-312	C	10
23.39 - 24.88	N64-390	C	10

300



One-Ear Stainless Steel Stepless

These are stepless, one ear pinch clamps that guarantee 360° closure. The 505R have a 5mm wide band and the 706R have a 7mm wide band. They are made of 304 stainless steel.

Nominal Size	Clamp Range	Part # (Closed Diam. in MM)	Stk	Bulk Pkg
1/4"	0.209-0.255"	N66-6.5-505R	C	100
9/32	0.228-0.275	N66-7.0-505R	B	100
19/64	0.268-0.315	N66-8.0-505R	C	100
11/32	0.275-0.343	N66-8.7-505R	B	100
3/8	0.307-0.374	N66-9.5-505R	B	100
25/64	0.325-0.393	N66-10.0-505R	C	100
13/32	0.346-0.413	N66-10.5-505R	B	100
7/16	0.378-0.445	N66-11.3-505R	B	100
15/32	0.398-0.465	N66-11.8-505R	B	100
15/32	0.385-0.484	N66-12.3-706R	B	100
1/2	0.425-0.524	N66-13.3-706R	B	100
17/32	0.449-0.543	N66-13.8-706R	C	100
35/64	0.453-0.551	N66-14.0-706R	C	100
9/16	0.472-0.571	N66-14.5-706R	B	100
5/8	0.520-0.618	N66-15.7-706R	B	100
11/16	0.571-0.669	N66-17.0-706R	B	100
23/32	0.602-0.728	N66-18.5-706R	B	100
3/4	0.654-0.779	N66-19.8-706R	B	100
13/16	0.701-0.827	N66-21.0-706R	B	100
7/8	0.764-0.890	N66-22.6-706R	B	100
15/16	0.823-0.949	N66-24.1-706R	C	100
1	0.882-1.008	N66-25.6-706R	C	100
1-1/16	0.945-1.067	N66-27.1-706R	C	100

304

80

Clamps





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.

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
97 - 104	3.82 - 4.09	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

304S

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

Clamps 88



"Push-In" tube fittings provide quick & easy connections with clear vinyl tubing, polyethylene tubing, polyurethane tubing, nylon tubing, PTFE tubing, copper tubing, and other "soft" plastics or metals (for hard metals, such as stainless steel, the "SI" Series is available on special request). They are a simple alternative to copper welding or multiple parts in compression fittings, and they will provide a reliable, leak proof attachment. You simply push the fitting over the tubing and no tools are required. This will greatly reduce assembly time and labour costs. They can also be removed quickly and reused.

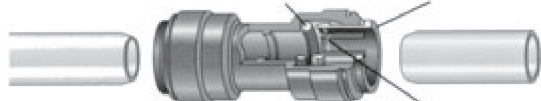
It is essential that the outside diameter of the tubing is within tolerance, free from score marks, and deburred before installing fittings. All types are FDA and NSF-51/61 certified and are therefore suitable for liquid foodstuffs. **For chemicals or other potentially aggressive liquids, please call for chemical compatibility; our "Push-In" tube fittings are *NOT* to be used with explosive gases, petroleum fluids, propane, natural gas, certain chemicals, radiant floor heating, or central heating systems. It should be noted that chlorine in water systems combined with elevated temperatures can produce an oxidizing environment that will shorten the life of nylon based materials.**

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. The John Guest Products listed in our catalogue are Lead Free. Please refer to new-line.com/lead-free for further information on applications, products, optional materials, etc.

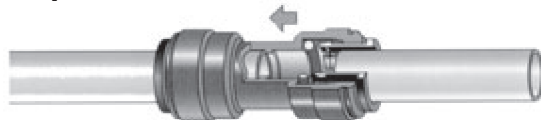


Step 1 - Cut the tube square



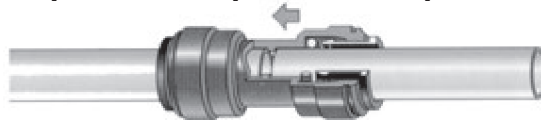
Make sure the end of the tubing is cut squarely and cleanly. It is also essential that the outside of the tubing is free of score marks, burrs, and sharp edges before inserting into the fitting. Use 'tube inserts' for soft wall tubing.

Step 2 - Insert the tube



The fitting teeth grip before it seals so ensure the tube is pushed into the tube stop for a proper seal.

Step 3 - Push up to tube stop



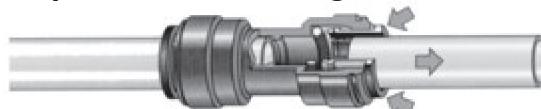
Once pushed all the way to the tube stop, the stainless teeth will hold the tube firmly into position while the O-ring provides a leak proof seal.

Step 4 - Pull to check if secure



Pull on the tube to ensure it is secure. It is a good practice to test the system prior to field use. Avoid making sharp tubing bends right at the coupling as this can result in a leak; instead use a 45 or 90 degree bend fitting.

Step 5 - Disconnecting



To disconnect, ensure the system is depressurized before removing the tube. Push in the collect ring firmly and squarely against the face of the fitting. With the collet held in this position, the tube can be pulled out. The fitting can then be re-used.

Pressure & Temperature Rating for PI Series (Acetal)

Temperature	Pressure	
	5/32" - 5/16" 4mm - 8mm	3/8" - 1/2" 10mm - 22mm
Air		
-4°F or -20°C	230psi (16 Bar)	150psi (10 Bar)
Potable Liquid & Air		
+33°F or +1°C	230psi (16 Bar)	150psi (10 Bar)
+73°F or +23°C	230psi (16 Bar)	150psi (10 Bar)
+158°F or +70°C	150psi (10 Bar)	100psi (7 Bar)

Tubing Tolerances

Size (inches)	5/32" - 3/16"	1/4" - 1/2"
Tolerance (inches)	+0.001 / -0.003	+0.001 / -0.004
Size (mm)	4mm - 5mm	6mm - 22mm
Tolerance (mm)	+0.05 / -0.07	+0.05 / -0.10

Maximum Torque Values

Threads	Max Torque lbs.	Max Torque Nm
1/8" - 1/4"	1.1 ft. lbs.	1.5 Nm
3/8" - 1/2"	2.2 ft. lbs.	3.0 Nm
3/4"	2.9 ft. lbs.	4.0 Nm





Push-In Tube Fittings - Acetal

The "PI" Standard Series (North American sizes) are manufactured of grey acetal copolymer (nylon blend) with nitrile O-rings and stainless steel teeth (the "PM" Metric Series are black in colour). We also offer a variety of white sizes for water only (PP Series) and black acetal "metric" sizes (PM Series) on special request (some sizes are listed).

931



LEAD FREE



Male Push-in

Tube O.D.	Thread Size	Part #	Stk	Bulk Pkg
NPT Thread				
5/32"	1/8" NPT	PM010421S	C	10
5/32"	1/4	PM010422S	C	10
3/16	1/8	PI010621S	N	10
1/4	1/8	PI010821S	B	10
1/4	1/4	PI010822S	A	10
1/4	3/8	PI010823S	B	10
5/16	1/8	PM010821S	C	10
5/16	1/4	PM010822S	B	10
5/16	3/8	PM010823S	C	10
3/8	1/8	PI011221S	C	10
3/8	1/4	PI011222S	A	10
3/8	3/8	PI011223S	A	10
3/8	1/2	PI011224S	B	10
1/2	3/8	PI011623S	B	10
1/2	1/2	PI011624S	A	10
5/8	3/4	PI012026S	C	10
BSPT Thread				
1/4"	1/8" BSPT	PI010801S	N	10
1/4	1/4	PI010802S	N	10
5/16	1/4	PM010802S	C	10
5/16	3/8	PM010803S	N	10
3/8	1/4	PI011202S	N	10
3/8	3/8	PI011203S	N	10
1/2	3/8	PI011603S	N	10
1/2	1/2	PI011604S	N	10
Metric x BSPT (Black in Colour)				
04mm	1/8" BSPT	PM010401E	N	10
04	1/4	PM010402E	N	10
05	1/8	PM010501E	N	10
05	1/4	PM010502E	N	10
06	1/8	PM010601E	N	10
06	1/4	PM010602E	N	10
08	1/4	PM010802E	N	10
08	3/8	PM010803E	N	10
10	1/4	PM011002E	N	10
10	3/8	PM011003E	N	10
10	1/2	PM011004E	N	10
12	3/8	PM011203E	N	10
12	1/2	PM011204E	N	10
Metric x BSPP (Black in Colour)				
04mm	1/8" BSPP	PM010411E	N	10
04	1/4	PM010412E	N	10
05	1/8	PM010511E	N	10
05	1/4	PM010512E	N	10
06	1/8	PM010611E	N	10
06	1/4	PM010612E	N	10
08	1/8	PM010811E	N	10
08	1/4	PM010812E	N	10
10	1/4	PM011012E	N	10
10	3/8	PM011013E	N	10
10	1/2	PM011014E	N	10
12	3/8	PM011213E	N	10
12	1/2	PM011214E	N	10
15	3/8	PM011513E	N	10
15	1/2	PM011514E	C	10
18	1/2	PM011814E	N	10
22	3/4	PM012216E	N	10
Metric x BSPT (Brass Body)				
15mm	1/2" BSPT	MM011504N	N	10
22	3/4	MM012206N	N	10

"Solid" Male NPT Push-in 90° Bend

Tube O.D.	MNPT Size	Part #	Stk	Bulk Pkg
1/4"	1/8"	PI480821S	B	10
1/4	1/4	PI480822S	B	10
1/4	3/8	PI480823S	C	10
3/8	1/4	PI481222S	A	10
3/8	3/8	PI481223S	B	10
3/8	1/2	PI482024S	C	10

*Also available in Metric sizes.



Union Elbow Push-in 90° Bend

Tube O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
5/32"	5/32"	PM0304S	N	10
3/16	3/16	PI0306S	N	10
1/4	1/4	PI0306S	A	10
5/16	3/16	PI211006S	N	10
5/16	1/4	PI211008S	N	10
5/16	5/16	PM0308S	C	10
3/8	1/4	PI211208S	C	10
3/8	5/16	PI211210S	C	10
3/8	3/8	PI0312S	A	10
1/2	5/16	PI211610S	N	10
1/2	3/8	PI211612S	C	10
1/2	1/2	PI0316S	B	10
Metric Tube (Black in Colour)				
04mm	04mm	PM0304E	N	10
05	05	PM0305E	N	10
06	04	PM210604E	N	10
06	06	PM0306E	N	10
08	04	PM210804E	N	10
08	06	PM210806E	N	10
08	08	PM0308E	N	10
10	4	PM211004E	N	10
10	6	PM211006E	N	10
10	8	PM211008E	N	10
10	10	PM0310E	N	10
12	8	PM211208E	N	10
12	10	PM211210E	N	10
12	12	PM0312E	N	10
15	15	PM0315E	N	10
18	18	PM0318E	N	10
22	22	PM0322E	N	10

9 Push-To-Connect





LEAD FREE

Male Stem Swivel Adapter

This is a unique adapter that is inserted into the push-in socket to create a 'swivel' male NPT end. Examples of this adapter pushed into elbows or tees are shown.

Stem O.D.	Pipe Size	Part #	Stk	Bulk Pkg
NPT Thread				
1/4"	1/8" NPT	PI050821S	C	10
1/4	1/4	PI050822S	B	10
1/4	3/8	PI050823S	C	10
5/16	1/8	PM050821S	N	10
5/16	1/4	PM050822S	C	10
5/16	3/8	PM050823S	C	10
3/8	1/4	PI051222S	B	10
3/8	3/8	PI051223S	B	10
3/8	3/8	PI051243S	N	10
1/2	3/8	PI051623S	C	10
1/2	1/2	PI051624S	C	10
BSPT Thread				
1/4"	1/8" BSPT	PI050801S	N	10
1/4	1/4	PI050802S	N	10
5/16	1/8	PM050802S	N	10
5/16	1/4	PM050802S	N	10
5/16	3/8	PM050803S	N	10
3/8	1/4	PI051202S	N	10
3/8	3/8	PI051203S	N	10
1/2	3/8	PI051603S	N	10
1/2	1/2	PI051604S	N	10
Metric x BSPT (Black in Colour)				
04mm	1/8" BSPT	PM050401E	N	10
04	1/4	PM050402E	N	10
05	1/8	PM050501E	N	10
05	1/4	PM050502E	N	10
06	1/8	PM050601E	N	10
06	1/4	PM050602E	N	10
08	1/8	PM050801E	N	10
08	1/4	PM050802E	N	10
08	3/8	PM050803E	N	10
10	1/4	PM051002E	N	10
10	3/8	PM051003E	N	10
10	1/2	PM051004E	N	10
12	3/8	PM051203E	N	10
12	1/4	PM051204E	N	10
Metric x BSPP (Black in Colour)				
04mm	1/8" BSPP	PM050411E	N	10
04	1/4	PM050412E	N	10
05	1/8	PM050511E	N	10
05	1/4	PM050512E	N	10
06	1/8	PM050611E	N	10
06	1/4	PM050612E	N	10
08	1/8	PM050811E	N	10
08	1/4	PM050812E	N	10
08	3/8	PM050813E	N	10
10	1/4	PM051012E	N	10
10	3/8	PM051013E	N	10
10	1/2	PM051014E	N	10
12	3/8	PM051213E	N	10
12	1/4	PM051214E	N	10
15	3/8	PM051513E	N	10
Metric x BSPT (Brass Body)				
15mm	1/2" BSPT	MM051504N	N	10
22	3/4	MM052206N	N	10

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



Swivel Male NPT Run and Branch Tee Push-In

This can be put together by simply using a regular Push-In and then inserting a "Male Stem Swivel Adapter".



Union Tee Push-In

Run O.D.	Branch Size	Part #	Stk	Bulk Pkg
5/32"	5/32"	PM0204S	C	10
3/16	3/16	PI0206S	N	10
1/4	1/4	PI0208S	A	10
5/16	5/16	PM0208S	C	10
3/8	1/4	PI301208S	C	10
3/8	3/8	PI0212S	A	10
1/2	3/8	PI301612S	C	10
1/2	3/8	PP301612W	C	10
1/2	1/2	PI0216S	B	10
Metric (Black in Colour)				
04mm	04mm	PM0204E	C	10
05	05	PM0205E	N	10
06	06	PM0206E	C	10
08	08	PM0208E	C	10
10	10	PM0210E	N	10
12	12	PM0212E	N	10
15	15	PM0215E	N	10
18	15	PM3018AE	N	10
18	18	PM0218E	N	10
22	15	PM3022AE	N	10
22	22	PM0222E	N	10



John Guest "Push-In" Service Kit

This Parts-to-Go kit includes a range of 1/4" & 3/8" John Guest push-in fittings.

Visit NEW-LINE.COM for more information



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

Push-in U-Bend

Tube O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
5/32"	5/32"	PM0404S	C	10
3/16	3/16	PI0406S	C	10
1/4	3/16	PI200806S	C	10
1/4	1/4	PI0408S	A	10
5/16	5/32	PM200804S	N	10
5/16	3/16	PI201006S	N	10
5/16	1/4	PI201008S	C	10
5/16	5/16	PM0408S	C	10
3/8	3/16	PI201206S	N	10
3/8	1/4	PI201208S	B	10
3/8	5/16	PI201210S	C	10
3/8	3/8	PI0412S	A	10
1/2	5/16	PI201610S	C	10
1/2	3/8	PI201612S	C	10
1/2	1/2	PI0416S	B	10

Pipe Size	Part #	Stk	Bulk Pkg
3/8"	PIUB12S	N	10
1/2	PIUB16S	N	10



2-Way & 3-Way Dividers

In Size	Out Size	Part #	Stk	Bulk Pkg
1/4"	1/4"	PI2308S (2-way)	C	10
5/26	1/4	PI241008S (2-way)	N	10
5/16	5/16	PM2308S (2-way)	C	10
3/8	3/16	PI241246S (2-way)	N	10
3/8	5/16	PI241210S (2-way)	N	10
3/8	3/8	PI2312S (2-way)	C	10
1/2	5/16	PI241610S (2-way)	N	10
1/2	1/2	PI2316S (2-way)	C	10
4mm	4mm	PM2304E (2-way)	N	10
8mm	8mm	PM2308E (2-way)	N	10
1/2"	3/8"	PI491612S (3-way)	C	10
3/8	3/8	PI491212S-R (3-way)	C	10
1/2	1/2	PI491616S (3-way)	C	10



4-Way Cross Push-in

Tube O.D.	Part #	Stk	Bulk Pkg
3/8"	PI4712S	C	10

9 Push-To-Connect

Metric (Black in Colour)

Tube O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
04mm	04mm	PM0404E	C	10
05	05	PM0405E	N	10
06	04	PM200604E	N	10
06	06	PM0406E	N	10
08	04	PM200804E	N	10
08	06	PM200806E	N	10
08	08	PM0408E	C	10
10	04	PM201004E	N	10
10	06	PM201006E	N	10
10	08	PM201008E	N	10
10	10	PM0410E	N	10
12	08	PM201208E	N	10
12	10	PM201210E	N	10
12	12	PM0412E	N	10
15	15	PM0415E	N	10
18	18	PM0418E	N	10
22	22	PM0422E	N	10

Did You KNOW?

These push-in tube fitting are available in polypropylene material bodies, specifically designed for the water purification industry and certain beverages.



For more information: See this section, page 53





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UN Faucet Connector w/ knurled nut (PSEI)

Grey Male SAE 45° Flare Push-in

Tube O.D.	Flare Size	Part #	Stk	Bulk Pkg
1/4"	1/4"	PI0108F4S	N	10
5/16	5/16	PM0108F5S	N	10
3/8	1/4	PI0112F4S	N	10
3/8	5/16	PI0112F5S	N	10
3/8	3/8	PI0112F6S	C	10
3/8	1/2	PI0112F8S	N	10
1/2	1/2	PI0116F8S	C	10



Bulkhead Push-in

Tube O.D.	Mounting Hole Dia.	Part #	Stk	Bulk Pkg
5/32"	0.67"	PM1204S	C	10
3/16	0.67	PI1206S	N	10
1/4	0.67	PI1208S	B	10
5/16	0.83	PM1208S	C	10
3/8 x 1/4	0.83	PI121208S	N	10
3/8	0.83	PI1212S	C	10
1/2 x 1/4	1.06	NC392-02	N	10
1/2	1.06	PI1216S	C	10
Metric Tube				
04mm	16.5mm	PM1204E	N	10
05	16.5	PM1205E	N	10
06	16.5	PM1206E	N	10
08	21.0	PM1208E	N	10
10	21.0	PM1210E	N	10
12	26.5	PM1212E	N	10



Push-in Stem x Tube Reducers & Enlargers

Stem O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
3/16"	5/32"	PI060605S	N	10
5/16	3/16	PI061006S	N	10
5/16	1/4	PI061008S	N	10
5/16	3/8	PI131012S	N	10
3/8	3/16	PI061206S	N	10
3/8	1/4	PI061208S	C	10
3/8	5/16	PI061210S	C	10
3/8	1/2	PI131216S	C	10
1/2	5/16	PI061610S	N	10
1/2	3/8	PI061612S	C	10
Metric (Black in Colour)				
05mm	04mm	PM060504E	N	10
06	04	PM060604E	N	10
06	05	PM060605E	N	10
08	06	PM060806E	N	10
10	08	PM061008E	N	10
12	10	PM061210E	N	10
15	12	PM061512E	N	10
18	15	PM061815E	N	10
22	15	PM062215E	N	10
22	18	PM062218E	N	10

Female Thread Push-in

Tube O.D.	Fem Size	Part #	Stk	Bulk Pkg
Female NPT Thread				
1/4"	1/4"	PI450822S	B	10
3/8	1/4	PI451222S	C	10
Female BSP Thread Flat Seat				
5/16"	1/2"	PI451014FS	N	10
5/16	5/8	PI451015FS	D	10
3/8	3/8	PI451213S	N	10
3/8	1/2	PI451214FS	N	10
3/8	5/8	PI451215FS	N	10
1/2	3/8	PI451613S	C	10
1/2	5/8	PI451615FS	N	10
Female BSP Thread Cone Seal				
5/16"	1/2"	PI451014CS	N	10
5/16	5/8	PI451015CS	N	10
3/8	1/2	PI451214CS	N	10
3/8	5/8	PI451215CS	N	10
Faucet Connector - Female UNS Thread				
1/4"	7/16-24"	CI3208U7S	C	10
5/16	7/16-24	CI3210U7S	N	10
3/8	7/16-24	CI3212U7S	C	10
Faucet Connector - Female UN Thread				
5/16"	1/2-16"	PM4508C5S	N	10
3/8	1/2-16	PI4512C5S	N	10
3/8	9/16-24	PSEI6012U9	N	10
1/2	1/2-16	PI4516C5S	N	10
Faucet Connector - Female BSP Thread				
1/4"	1/2"	CI324814S	N	10
3/8	1/2	CI321214S	N	10
Female 45° Flare FFL Connector				
5/16"	1/4"	PM4508F4S	N	10
3/8	1/4	PI4512F4S	C	10
3/8	3/8	PI4512F6S	N	10
Metric (Black in Colour)				
04mm	1/8 BSP	PM450411E	N	10
06	1/4 BSP	PM450612E	N	10
08	1/4 BSP	PM450812E	N	10
08	1/4 FL	PM4508F4S	N	10
08	1/2-16 UN	PM4508C5S	N	10



MI45 Female SAE Flare



NC2098 & NC2258 Garden Hose Thread

"Brass Body" Female Thread Push-in

These are used in higher temperature applications such as coffee brewing equipment, but are also used in vending machines and general beverage dispensing. They have a food grade EPDM O-ring suitable for up to +140°F at 60 psi and 70 °F at 150 psi.

Tube O.D.	Fem Size	Part #	Stk	Bulk Pkg
Coffee Connection - Brass Female 45° Flare				
1/4"	1/4"	MI4508F4SLF	C	10
3/8	1/4	MI4512F4SLF	C	10
1/4	3/8	MI4512F6SLF	C	10
Garden Hose Connection - Brass Female GHT				
1/4"	3/4" GHT	NC2098LF	C	10
3/8	3/4	NC2258	C	10

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.
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9 Push-To-Connect



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Push-in Stem x Tube 90° Bend Elbow

Stem O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
3/16"	5/32"	PM220404S	N	10
3/16	3/16	PI220606S	N	10
1/4	1/4	PI220808S	C	10
5/16	5/16	PM220808S	C	10
3/8	3/16	PI221206S	N	10
3/8	1/4	PI221208S	C	10
3/8	5/16	PI221210S	N	10
3/8	3/8	PI221212S	B	10
1/2	1/2	PI221616S	C	10

Metric (Black in Colour)

04mm	04mm	PM220404E	N	10
05	05	PM220505E	N	10
06	06	PM220606E	N	10
08	08	PM220808E	N	10
10	10	PM221010E	N	10
12	12	PM221212E	N	10
15	15	PM221515E	N	10
18	18	PM221818E	N	10
22	22	PM222222E	N	10



"Soft" Tube Insert

Tube I.D.	Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	5/16"	TSI250S	C	10
5/16	3/8	TSI312S	C	10
3/8	1/2	TSI375S	C	10



Push-in End Plug

Tube O.D.	Part #	Stk	Bulk Pkg
5/32"	PM0804S	N	10
3/16	PI0806S	N	10
1/4	PI0808S	C	10
5/16	PM0808S	C	10
3/8	PPI0812S	B	10
1/2	PI0816S	C	10

Metric

04mm	PM0804R (Red)	C	10
05	PM0805R (Red)	N	10
06	PM0806R (Red)	C	10
08	PM0808R (Red)	C	10
10	PM0810R (Red)	N	10
12	PM0812R (Red)	N	10
15	PM0815E	N	10
18	PM0818E	N	10
22	PM0822E	N	10

9 Push-To-Connect



Push-in Stem 90° Bend x Hose Barb

Stem O.D.	Tube I.D.	Part #	Stk	Bulk Pkg
1/4"	1/4"	PI290808S	C	10
1/4	5/16	PI290810S	N	10
5/16	1/4	PI291008S	N	10
5/16	5/16	PM290808S	N	10
3/8	1/4	PI291208S	C	10



Push-in Stem x Straight Hose Barb

Stem O.D.	Hose I.D.	Part #	Stk	Bulk Pkg
1/4"	3/16"	PI250806S	C	10
1/4	1/4	PI250808S	C	10
1/4	5/16	PI250810S	N	10
5/16	3/16	PI251006S	N	10
5/16	1/4	PI251008S	C	10
5/16	5/16	PM250808S	N	10
5/16	3/8	PI251012S	N	10
3/8	1/4	PI251208S	B	10
3/8	5/16	PI251210S	C	10
3/8	3/8	PI251212S	C	10
3/8	3/8	PP251212W	C	10
3/8	1/2	PI251216S	C	10
1/2	3/8	PI251612S	N	10
1/2	1/2	PI251616S	C	10



Tube End Stop Cap

Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	PI4608S	C	10
3/8	PI4612S	C	10





These allow temporary servicing downstream, they are not for flow control or throttling (must be used in fully open or close position). Do not use for a permanent termination or as a "tap".

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LEAD FREE



Check Valve (Water Only)

These are not to be used with compressed air, gases, petroleum, etc. Max 150psi at 70°F or 60 psi at 140°F. Crack 0.3psi.

Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	SCV-4PI	A	10
5/16	SCV-5PI	C	10
3/8	SCV-6PI	A	10

Water Shut-Off 90° Bend (Tube x FNPT)

These are not to be used with compressed air, explosive gasses, petroleum or other fuels. Maximum 150psi at 70°F or 60psi at 140°F.

Tube O.D.	NPT Size	Part #	Stk	Bulk Pkg
1/4"	1/4"	PPSV500822W	C	10
3/8	1/4	PPSV501222W	B	10



Dispensing Valve Adapter

Tube O.D.	Stem O.D.	Part #	Stk	Bulk Pkg
90° Bend				
3/8"	3/8"	NC356-02	C	10
Straight Valve Stem				
3/8"	3/8"	NC730-02	C	10



Angle Stop Valve (Water Only)

These are not to be used with compressed air, explosive gasses, petroleum or other fuels. Maximum 150psi at 70°F or 60psi at 140°F.

Tube O.D.	Part #	Stk	Bulk Pkg
3/8"	NC2555	N	10



Shut-Off Valve (Tube x Tube)

The PPS are for water only and the PIS series can be used with compressed air or water. Maximum 150psi at 70°F or 60 psi at 140°F.

Tube O.D.	Part #	Stk	Bulk Pkg
Water ONLY - Polypropylene			
1/4"	PPSV040808W	A	10
3/8	PPSV041212W	A	10
6mm	PPMSV040606W	N	10
8mm	PPMSV040808W	N	10
10mm	PPMSV041010W	N	10
12mm	PPMSV041212W	N	10
Air or Water - Acetal Series			
3/8"	PISV0412CS (short handle)	C	10
3/8	PISV0412S (long handle)	N	10
1/2	PISV0416S (long handle)	C	10
Mounting Clip for 3/8" Body			
3/8"	SVMC-10	C	10

Angle Stop Adapter Valve (Tube x Male & Female Compression)

These angle stop valves have been developed to tap into an existing water line for use as a water "feed/supply" source for applications involving reverse osmosis, filtration systems, ice makers and automatic coffee brewers. These are not to be used with compressed air, explosive gas, petroleum or other fuels. Maximum 150psi at 70°F or 60 psi at 140°F.

Tube O.D.	Comp Size	Part #	Stk	Bulk Pkg
1/4"	3/8"	ASVPP1LF	C	10
3/8	3/8	ASVPP2LF	C	10



Water Shut-Off Valve (Tube x NPT)

These are not to be used with compressed air, explosive gasses, petroleum or other fuels. Maximum 150psi at 70°F.

Tube x NPT	Part #	Stk	Bulk Pkg
Tube x Male NPT			
1/4"	PPSV010822W	B	10
3/8	PPSV011223W	C	10
Tube x Female NPT			
3/8"	PPSV451223W	B	10

Shut-Off Valve & T-Valve By-Pass (Water Only)

These are not to be used with compressed air, explosive gasses, petroleum or other fuels. Maximum 150psi at 70°F or 60psi at 140°F.

Tube O.D.	Part #	Stk	Bulk Pkg
1/2"	NC2380	N	10
1/2	NC2391-RH	N	10





Push-In Tube Fittings - White Polypropylene

The White Polypropylene 'PP' food grade/NSF Series offer a wider range of fluid or chemical resistance (as opposed to the standard Acetal/Nylon PI series) that is specifically used in the water purification industry and certain beverages. They come with a food grade EPDM o-rings. This PP range is NOT suitable for compressed air applications, whereas the Acetal PI series are. Water max 150psi @ 70°F, or 60psi at 140°F. We can also provide the PP series in a 'black' UV stabilized model (Suffix E instead of W). For metric sized tubing, the white PPM series is available on special request.

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Male Push-in

Tube O.D.	Thread Size	Part #	Stk	Bulk Pkg
1/4"	1/8"	PP010821W	C	10
1/4"	1/4"	PP010822W	C	10
1/4"	3/8"	PP010823W	C	10
1/4"	1/2"	PP010824W	C	10
3/8"	1/4"	PP011222W	C	10
3/8"	3/8"	PP011223W	C	10
3/8"	1/2"	PP011224W	C	10
1/2"	3/8"	PP011623W	C	10
1/2"	1/2"	PP011624W	C	10



Union Elbow Push-in 90° Bend

Tube O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	1/4"	PP0308W	C	10
5/16	1/4"	PP211008W	C	10
5/16	5/16	PPM0308W	C	10
3/8	1/4"	PP211208W	C	10
3/8	3/8"	PP0312W	C	10
1/2	3/8"	PP211612W	C	10
1/2	1/2"	PP0316W	C	10
Metric				
8mm	8mm	PPM0308W	C	10
12	12	PPM0312W	C	10



Male Stem Swivel Adapter

Tube O.D.	Thread Size	Part #	Stk	Bulk Pkg
1/4"	1/8"	PP050821W	C	10
1/4"	1/4"	PP050822W	C	10
3/8"	1/4"	PP051222W	C	10
3/8"	3/8"	PP051223W	C	10
1/2"	3/8"	PP051623W	C	10
1/2"	1/2"	PP051624W	C	10



Union Push-in Tee

Run O.D.	Branch Size	Part #	Stk	Bulk Pkg
1/4"	1/4"	PP0208W	C	10
1/4"	3/8"	PP30080812W	N	10
5/16	5/16	PPM0208W	C	10
3/8	1/4"	PP30121208W	N	10
3/8	3/8"	PP0212W	C	10
1/2	3/8"	PP301612W	N	10
1/2	1/2"	PP0216W	C	10
Metric				
8mm	8mm	PPM0208W	N	10
12	12	PPM0212W	N	10



Union Push-in

Tube O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	1/4"	PP0408W	C	10
5/16	5/16	PPM0408W	C	10
3/8	1/4"	PP201208W	C	10
3/8	3/8"	PP0412W	C	10
1/2	3/8"	PP201612W	C	10
1/2	1/2"	PP0416W	C	10
Metric				
8mm	8mm	PPM0408W	C	10
12	12	PPM0412W	C	10
15	15	PPM201512	C	10



Bulkhead Push-in

Tube O.D.	Mounting Hole Dia.	Part #	Stk	Bulk Pkg
1/4"	0.67"	PP1208W	C	10
3/8x1/4	0.83	PP121208W	C	10
3/8	0.83	PP1212W	C	10
1/2	1.06	PP1216W	C	10



Swivel Male NPT Run and Branch Tee Push-in

This can be put together by simply using a regular Push-In and then inserting a "Male Stem Swivel Adapter".



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Push-To-Connect



Female Thread Push-In

Tube Fem O.D. Size	Part #	Stk	Bulk Pkg
Female NPT Thread			
1/4" 1/8"	PP450821W	C	10
1/4 1/4	PP450822W	C	10
3/8 1/4	PP451222W	C	10
3/8 3/8	PP451223W	C	10
Female UNS & UNEF			
1/4" 7/16-24UNS	PP3208U7W	C	10
3/8 7/16-24UNS	PP3212U7W	C	10
1/4 9/16-24UNEF	PP6008U9W	N	10



Push-in Stem x Push-in 90° Bend

Stem O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	1/4"	PP220808W	C	10
5/16	5/16	PPM220808W	C	10
3/8	1/4	PP221208W	C	10
3/8	3/8	PP221212W	C	10
2	1/2	PP221616W	C	10
Metric				
8mm	8mm	PPM220808W	C	10
12	12	PPM221212W	C	10



Push-in Stem x Straight Hose Barb

Stem O.D.	Hose I.D.	Part #	Stk	Bulk Pkg
3/8"	3/8"	PP251212W	C	10
3/8	1/2	PP251216W	C	10
1/2	3/8	PP251612W	C	10
1/2	1/2	PP251616W	C	10



Push-in Stem x Tube Reducers

Stem O.D.	Tube O.D.	Part #	Stk	Bulk Pkg
3/8"	1/4"	PP061208W	C	10
3/8	5/16	PP061210W	C	10
1/2	3/8	PP061612W	C	10
5/8	1/4	PP062008W	C	10
5/8	3/8	PP062012W	C	10
5/8	1/2	PP062016W	C	10
Metric				
15mm	12mm	PPM061512W	C	10



2-Way & 3-Way Dividers

In Size	Out Size	Part #	Stk	Bulk Pkg
3/8"	1/4"	PP241208W (2-way)	C	10
3/8	3/8	PP2312W (2-way)	C	10
3/8	1/4	PP491208W (3-way)	C	10
Metric				
12mm	12mm	PPM2312W (2-way)	C	10



Push-in End Plug

Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	PP0808W	C	10
5/16	PPM0808W	C	10
3/8	PP0812W	C	10
1/2	PP0816W	C	10
Metric			
8mm	PPM0808W	C	10



Fixed Male NPT Push-In

Tube O.D.	Male Size	Part #	Stk	Bulk Pkg
Male NPT 90 Degree Elbow				
1/4"	1/8"	PP480821W	C	10
1/4	1/4	PP480822W	C	10
1/4	3/8	PP480823W	C	10
3/8	1/4	PP481222W	C	10
3/8	3/8	PP481223W	C	10
1/2	3/8	PP481623W	C	10
Male NPT Branch Tee				
3/8"	3/8"	PP641223W	N	10



Push-in End Cap

Tube O.D.	Part #	Stk	Bulk Pkg
1/4"	PP4608W	N	10



i Some also available in a black polypropylene, UV stabilized body: Use Suffix E instead of W

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



These "one-touch" Tube Fittings are typically used in air/pneumatic systems up to a maximum of 150 psi and 29.5 in/Hg vacuum. **This series is NOT for use with any other types of gas or liquids, and NOT for use in DOT air brakes or in air breathing apparatus.**

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Tube x Male Thread Straight w/ Hex Body

Tube Thread Part # Stk Price

Standard - Inch Tubing w/ Male NPT*

1/8"	1/8"	PTC-PC-013-N01	B	\$ 5.04
1/8"	1/4"	PTC-PC-013-N02	B	5.04
5/32	1/8"	PTC-PC-016-N01	C	3.57
5/32	1/4"	PTC-PC-016-N02	C	4.61
5/32	3/8"	PTC-PC-016-N03	C	5.45
3/16	1/8"	PTC-PC-019-N01	C	3.98
3/16	1/4"	PTC-PC-019-N02	C	4.53
3/16	3/8"	PTC-PC-019-N03	C	4.67
1/4	1/8"	PTC-PC-025-N01	A	3.72
1/4	1/4"	PTC-PC-025-N02	A	3.97
1/4	3/8"	PTC-PC-025-N03	B	4.58
1/4	1/2"	PTC-PC-025-N04	B	6.43
5/16	1/8"	PTC-PC-031-N01	C	4.14
5/16	1/4"	PTC-PC-031-N02	B	4.45
5/16	3/8"	PTC-PC-031-N03	C	4.78
5/16	1/2"	PTC-PC-031-N04	C	6.43
3/8	1/8"	PTC-PC-038-N01	A	5.19
3/8	1/4"	PTC-PC-038-N02	A	5.00
3/8	3/8"	PTC-PC-038-N03	A	5.30
3/8	1/2"	PTC-PC-038-N04	A	6.32
1/2	1/8"	PTC-PC-050-N01	C	7.12
1/2	1/4"	PTC-PC-050-N02	A	6.45
1/2	3/8"	PTC-PC-050-N03	A	6.38
1/2	1/2"	PTC-PC-050-N04	A	7.22

Inch Tubing w/ Male UNF-10/32 Thread

1/8"	UNF	PTC-PC-013-UNF	C	\$ 5.00
5/32	UNF	PTC-PC-016-UNF	B	4.68
3/16	UNF	PTC-PC-019-UNF	C	4.61
1/4	UNF	PTC-PC-025-UNF	B	4.42

Metric Tubing w/ Male BSPT Thread

4mm	1/8"	PTC-PC-M04-R01	B	\$ 3.72
4	1/4"	PTC-PC-M04-R02	B	3.99
4	3/8"	PTC-PC-M04-R03	N	4.84
6	1/8"	PTC-PC-M06-R01	B	3.87
6	1/4"	PTC-PC-M06-R02	B	3.98
6	3/8"	PTC-PC-M06-R03	B	5.05
6	1/2"	PTC-PC-M06-R04	B	9.27
8	1/8"	PTC-PC-M08-R0	B	4.26
8	1/4"	PTC-PC-M08-R02	B	4.61
8	3/8"	PTC-PC-M08-R03	B	5.23
8	1/2"	PTC-PC-M08-R04	B	6.92
10	1/8"	PTC-PC-M10-R01	C	5.48
10	1/4"	PTC-PC-M10-R02	C	5.45
10	3/8"	PTC-PC-M10-R03	C	5.61
12	1/8"	PTC-PC-M12-R01	N	6.54
12	1/4"	PTC-PC-M12-R02	C	6.64
12	3/8"	PTC-PC-M12-R03	C	6.80
12	1/2"	PTC-PC-M12-R04	C	7.80
16	3/8"	PTC-PC-M16-R03	C	13.78
16	1/2"	PTC-PC-M16-R04	N	14.07

Metric Tubing w/ Male Metric Thread

4mm	5mm	PTC-PC-M04-M5	B	\$ 4.62
4	6	PTC-PC-M04-M6	B	5.22
6	5	PTC-PC-M06-M5	N	4.92
6	6	PTC-PC-M06-M6	N	5.37

*Substitute 'N' with 'R' to specify BSPT thread. *Substitute 'R' with 'G' to specify BSPP O'Ring threads.



Tube x Male Thread Straight w/ No Hex

Tube Thread Part # Stk Price

Standard - Inch Tubing w/ Male NPT*

1/8"	1/8"	PTC-POC-013-N01	N	\$ 5.04
1/8"	1/4"	PTC-POC-013-N02	N	5.04
5/32	1/8"	PTC-POC-016-N01	C	4.70
5/32	1/4"	PTC-POC-016-N02	N	4.71
3/16	1/8"	PTC-POC-019-N01	C	4.72
3/16	1/4"	PTC-POC-019-N02	N	5.28
1/4	1/8"	PTC-POC-025-N01	C	4.97
1/4	1/4"	PTC-POC-025-N02	C	5.30
5/16	1/8"	PTC-POC-031-N01	N	5.31
5/16	1/4"	PTC-POC-031-N02	N	5.78
5/16	3/8"	PTC-POC-031-N03	N	6.39
3/8	1/8"	PTC-POC-038-N01	N	7.13
3/8	1/4"	PTC-POC-038-N02	C	6.52
3/8	3/8"	PTC-POC-038-N03	C	6.94
3/8	1/2"	PTC-POC-038-N04	C	8.47
1/2	1/4"	PTC-POC-050-N02	N	8.92
1/2	3/8"	PTC-POC-050-N03	N	8.92
1/2	1/2"	PTC-POC-050-N04	C	9.78

Inch Tubing w/ Male UNF-10/32 Thread

1/8"	UNF	PTC-POC-013-UNF	N	\$ 4.98
5/32	UNF	PTC-POC-016-UNF	N	4.92
3/16	UNF	PTC-POC-019-UNF	N	5.06
1/4	UNF	PTC-POC-025-UNF	N	5.06

Metric Tubing w/ Male BSPT Thread

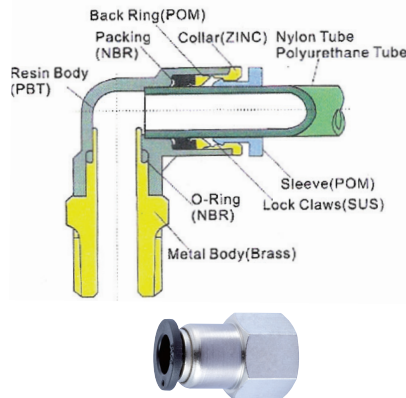
4mm	1/8"	PTC-POC-M04-R01	C	\$ 4.85
4	1/4"	PTC-POC-M04-R02	C	5.17
4	3/8"	PTC-POC-M04-R03	N	7.42
6	1/8"	PTC-POC-M06-R01	C	5.28
6	1/4"	PTC-POC-M06-R02	C	5.61
6	3/8"	PTC-POC-M06-R03	C	6.27
8	1/8"	PTC-POC-M08-R01	C	5.62
8	1/4"	PTC-POC-M08-R02	C	6.08
8	3/8"	PTC-POC-M08-R03	C	6.59
8	1/2"	PTC-POC-M08-R04	C	8.92
10	1/8"	PTC-POC-M10-R01	C	7.13
10	1/4"	PTC-POC-M10-R02	C	6.94
10	3/8"	PTC-POC-M10-R03	C	7.38
10	1/2"	PTC-POC-M10-R04	C	9.05
12	1/8"	PTC-POC-M12-R01	N	9.10
12	1/4"	PTC-POC-M12-R02	N	9.22
12	3/8"	PTC-POC-M12-R03	N	9.07
12	1/2"	PTC-POC-M12-R04	N	9.93

Metric Tubing w/ Male Metric Thread

4mm	5mm	PTC-POC-M04-M5	C	\$ 5.31
4	6	PTC-POC-M04-M6	N	5.62
6	5	PTC-POC-M06-M5	C	5.59
6	6	PTC-POC-M06-M6	C	5.75

*Substitute 'N' with 'R' to specify BSPT thread.

How does it Work?



Tube x Female Thread Straight

Tube Thread Part # Stk Price

Standard - Inch Tubing w/ Female NPT*

5/32"	1/8"	PTC-PCF-016-N01	C	\$ 6.28
5/32	1/4"	PTC-PCF-016-N02	C	8.08
3/16	1/8"	PTC-PCF-019-N01	C	7.09
3/16	1/4"	PTC-PCF-019-N02	C	8.38
1/4	1/8"	PTC-PCF-025-N01	C	6.82
1/4	1/4"	PTC-PCF-025-N02	A	8.29
1/4	3/8"	PTC-PCF-025-N03	B	10.88
5/16	1/8"	PTC-PCF-031-N01	C	7.22
5/16	1/4"	PTC-PCF-031-N02	C	9.73
5/16	3/8"	PTC-PCF-031-N03	C	11.39
3/8	1/8"	PTC-PCF-038-N01	C	9.29
3/8	1/4"	PTC-PCF-038-N02	A	9.72
3/8	3/8"	PTC-PCF-038-N03	B	11.85
3/8	1/2"	PTC-PCF-038-N04	C	13.31
1/2	1/4"	PTC-PCF-050-N02	C	12.62
1/2	3/8"	PTC-PCF-050-N03	C	12.95

Metric Tubing w/ Female BSPT Thread

4mm	1/8"	PTC-PCF-M04-R01	C	\$ 6.72
4	1/4"	PTC-PCF-M04-R02	C	8.65
6	1/8"	PTC-PCF-M06-R0	C	7.27
6	1/4"	PTC-PCF-M06-R02	C	8.88
6	3/8"	PTC-PCF-M06-R03	C	11.46
8	1/8"	PTC-PCF-M08-R01	C	7.64
8	1/4"	PTC-PCF-M08-R02	C	9.29
8	3/8"	PTC-PCF-M08-R03	C	12.04
8	1/2"	PTC-PCF-M08-R04	C	13.83
10	1/8"	PTC-PCF-M10-R01	C	9.87
10	1/4"	PTC-PCF-M10-R02	B	10.20
10	3/8"	PTC-PCF-M10-R03	C	12.48
10	1/2"	PTC-PCF-M10-R04	C	13.89
12	1/4"	PTC-PCF-M12-R02	N	13.46
12	3/8"	PTC-PCF-M12-R03	N	13.94
12	1/2"	PTC-PCF-M12-R04	N	14.93

*Substitute 'N' with 'R' to specify BSPT thread.

Complete Product Selection on NEW-LINE.COM



9
Push-To-Connect



Tube x Male Thread 90° Elbow

Tube Thread Part # Stk Price

Standard - Inch Tubing w/ Male NPT*

1/8"	1/8"	PTC-PL-013-N01 C	\$ 7.09
1/8"	1/4"	PTC-PL-013-N02 C	6.98
5/32"	1/8"	PTC-PL-016-N01 C	5.02
5/32"	1/4"	PTC-PL-016-N02 C	5.61
3/16"	1/8"	PTC-PL-019-N01 B	6.32
3/16"	1/4"	PTC-PL-019-N02 B	6.44
3/16"	3/8"	PTC-PL-019-N03 C	6.54
1/4"	1/8"	PTC-PL-025-N01 A	5.35
1/4"	1/4"	PTC-PL-025-N02 A	5.92
1/4"	3/8"	PTC-PL-025-N03 B	6.44
5/16"	1/8"	PTC-PL-031-N01 B	6.15
5/16"	1/4"	PTC-PL-031-N02 B	6.45
5/16"	3/8"	PTC-PL-031-N03 B	6.39
5/16"	1/2"	PTC-PL-031-N04 C	8.18
3/8"	1/8"	PTC-PL-038-N01 B	8.18
3/8"	1/4"	PTC-PL-038-N02 A	8.17
3/8"	3/8"	PTC-PL-038-N03 A	8.47
3/8"	1/2"	PTC-PL-038-N04 C	9.89
1/2"	1/4"	PTC-PL-050-N02 B	9.80
1/2"	3/8"	PTC-PL-050-N03 A	9.96
1/2"	1/2"	PTC-PL-050-N04 A	10.61

Standard - Inch Tubing w/ Male MSPT

1/4"	1/8"	PTC-PL-025-R01 N	\$ 6.21
1/4"	1/4"	PTC-PL-025-R02 N	6.53
1/4"	3/8"	PTC-PL-025-R03 N	7.42
3/8"	1/8"	PTC-PL-038-R01 N	9.30
3/8"	1/4"	PTC-PL-038-R02 N	9.75
3/8"	3/8"	PTC-PL-038-R03 C	9.60
3/8"	1/2"	PTC-PL-038-R04 N	9.67

Inch Tubing w/ Male UNF-10/32 Thread

1/8"	UNF	PTC-PL-013-UNF C	\$ 7.13
5/32"	UNF	PTC-PL-016-UNF C	6.19
3/16"	UNF	PTC-PL-019-UNF C	6.48
1/4"	UNF	PTC-PL-025-UNF B	6.28

Metric Tubing w/ Male BSPT Thread

4mm	1/8"	PTC-PL-M04-R01 C	\$ 5.31
4	1/4	PTC-PL-M04-R02 C	6.08
4	3/8	PTC-PL-M04-R03 N	6.53
6	1/8	PTC-PL-M06-R01 C	5.66
6	1/4	PTC-PL-M06-R02 C	6.22
6	3/8	PTC-PL-M06-R03 C	6.89
6	1/2	PTC-PL-M06-R04 C	12.62
8	1/8	PTC-PL-M08-R01 C	6.35
8	1/4	PTC-PL-M08-R02 C	6.63
8	3/8	PTC-PL-M08-R03 B	7.12
8	1/2	PTC-PL-M08-R04 B	10.12
10	1/8	PTC-PL-M10-R01 C	8.77
10	1/4	PTC-PL-M10-R02 C	8.77
10	3/8	PTC-PL-M10-R03 C	8.92
10	1/2	PTC-PL-M10-R04 C	10.37
12	1/8	PTC-PL-M12-R01 N	10.02
12	1/4	PTC-PL-M12-R02 N	10.28
12	3/8	PTC-PL-M12-R03 N	10.68
12	1/2	PTC-PL-M12-R04 N	11.34
16	3/8	PTC-PL-M16-R03 N	21.03
16	1/2	PTC-PL-M16-R04 N	21.22

Metric Tubing w/ Male Metric Thread

4mm	5mm	PTC-PL-M04-M5 C	\$ 6.34
4	6	PTC-PL-M04-M6 N	6.38
6	5	PTC-PL-M06-M5 C	6.32
6	6	PTC-PL-M06-M6 N	5.96

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



Tube x Male Thread 90° Elbow w/ Extended Hex

Tube Thread Part # Stk Price

Standard - Inch Tubing w/ Male NPT*

5/32"	1/8"	PTC-PLL-016-N01 N	\$ 7.72
5/32"	1/4"	PTC-PLL-016-N02 N	8.55
3/16"	1/8"	PTC-PLL-019-N01 N	8.52
3/16"	1/4"	PTC-PLL-019-N02 N	8.88
3/16"	3/8"	PTC-PLL-019-N03 N	10.41
1/4"	1/8"	PTC-PLL-025-N01 C	8.44
1/4"	1/4"	PTC-PLL-025-N02 C	8.99
1/4"	3/8"	PTC-PLL-025-N03 C	10.40
5/16"	1/8"	PTC-PLL-031-N01 N	9.18
5/16"	1/4"	PTC-PLL-031-N02 C	9.64
5/16"	3/8"	PTC-PLL-031-N03 N	11.41
3/8"	1/8"	PTC-PLL-038-N01 N	12.06
3/8"	1/4"	PTC-PLL-038-N02 C	11.64
3/8"	3/8"	PTC-PLL-038-N03 C	12.16
3/8"	1/2"	PTC-PLL-038-N04 C	16.26
1/2"	1/4"	PTC-PLL-050-N02 N	16.84
1/2"	3/8"	PTC-PLL-050-N03 C	17.54
1/2"	1/2"	PTC-PLL-050-N04 C	17.87

Inch Tubing w/ Male UNF-10/32 Thread

5/32"	UNF	PTC-PLL-016-UNF N	\$ 8.23
1/4"	UNF	PTC-PLL-025-UNF C	8.82

Metric Tubing w/ Male BSPT Thread

4mm	1/8"	PTC-PLL-M04-R01 C	\$ 8.00
4	1/4	PTC-PLL-M04-R02 C	8.70
4	3/8	PTC-PLL-M04-R03 C	10.27
6	1/8	PTC-PLL-M06-R01 C	8.59
6	1/4	PTC-PLL-M06-R02 C	9.14
6	3/8	PTC-PLL-M06-R03 C	10.69
8	1/8	PTC-PLL-M08-R01 C	9.75
8	1/4	PTC-PLL-M08-R02 C	10.12
8	3/8	PTC-PLL-M08-R03 C	12.06
8	1/2	PTC-PLL-M08-R04 N	16.52
10	1/8	PTC-PLL-M10-R01 C	12.00
10	1/4	PTC-PLL-M10-R02 C	12.28
10	3/8	PTC-PLL-M10-R03 C	12.51
10	1/2	PTC-PLL-M10-R04 N	17.52
12	1/8	PTC-PLL-M12-R01 N	16.13
12	1/4	PTC-PLL-M12-R02 N	17.97
12	3/8	PTC-PLL-M12-R03 N	18.21

Metric Tubing w/ Male Thread

4mm	5mm	PTC-PLL-M04-M5 C	\$ 8.54
4	6	PTC-PLL-M04-M6 N	8.83
6	5	PTC-PLL-M06-M5 C	8.60
6	6	PTC-PLL-M06-M6 N	8.75

*Substitute 'N' with 'R' to specify BSPT thread.



935

Tube x Male Thread 90° Short Elbow Banjo Live Swivel

For ease of installation these male NPT short elbows have a hex nut on the back side called a "Banjo" swivel that can be tightened in a very tight space where a regular NPT elbow cannot fit or be tightened.

Tube Thread Part # Stk Price

Standard - Inch Tubing w/ Male NPT*

1/8"	1/8"	PTC-PH-013-N01 C	\$ 10.72
5/32"	1/8"	PTC-PH-016-N01 N	6.48
3/16"	1/8"	PTC-PH-019-N01 C	6.90
3/16"	1/4"	PTC-PH-019-N02 N	8.18
1/4"	1/8"	PTC-PH-025-N01 C	6.78
1/4"	1/4"	PTC-PH-025-N02 C	8.15
5/16"	1/8"	PTC-PH-031-N01 C	8.88
5/16"	1/4"	PTC-PH-031-N02 C	9.29
5/16"	3/8"	PTC-PH-031-N03 N	10.47
3/8"	1/4"	PTC-PH-038-N02 C	10.59
3/8"	3/8"	PTC-PH-038-N03 C	10.89
3/8"	1/2"	PTC-PH-038-N04 N	14.09
1/2"	3/8"	PTC-PH-050-N03 N	14.20
1/2"	1/2"	PTC-PH-050-N04 C	14.38

Inch Tubing w/ Male UNF-10/32 Thread

1/8"	UNF	PTC-PH-013-UNF N	\$ 19.64
5/32"	UNF	PTC-PH-016-UNF N	7.78
3/16"	UNF	PTC-PH-019-UNF N	8.44
1/4"	UNF	PTC-PH-025-UNF N	8.22

Metric Tubing w/ Male BSPT Thread

4mm	1/8"	PTC-PH-M04-R01 C	\$ 6.70
4	1/4	PTC-PH-M04-R02 C	7.75
6	1/8	PTC-PH-M06-R01 C	7.22
6	1/4	PTC-PH-M06-R02 C	8.74
6	3/8	PTC-PH-M06-R03 C	12.53
8	1/8	PTC-PH-M08-R01 C	9.45
8	1/4	PTC-PH-M08-R02 C	9.87
8	3/8	PTC-PH-M08-R03 C	11.05
8	1/2	PTC-PH-M08-R04 C	16.08
10	1/4	PTC-PH-M10-R02 C	11.33
10	3/8	PTC-PH-M10-R03 C	11.59
10	1/2	PTC-PH-M10-R04 C	14.81
12	1/4	PTC-PH-M12-R02 C	13.22
12	3/8	PTC-PH-M12-R03 C	15.17
12	1/2	PTC-PH-M12-R04 C	15.50

Metric Tubing w/ Male Metric Thread

4mm	5mm	PTC-PH-M04-M5 C	\$ 8.22
4	6	PTC-PH-M04-M6 N	8.50
6	5	PTC-PH-M06-M5 C	8.64
6	6	PTC-PH-M06-M6 N	8.79

*Substitute 'N' with 'R' to specify BSPT thread.

PTC "Push-To-Connect" Service Kit

This Parts-to-Go kit includes a range of 1/4" to 1/2" push-to-connect fittings.



Visit NEW-LINE.COM for more information

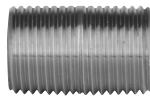


Refer to the Technical Section on the selection, installation, use and maintenance of hose & fittings prior to use.
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9 Push-To-Connect

Many other lengths available from stock. Also available in Class 300 Schedule 80 pipe (part # N800-xxxSS & N800-xxx-xxxSS).



Close Nipple



Long Nipple

316 Stainless Steel Pipe Nipples

NPT	Lgth	Part #	Stk	Bulk Pkg
1/8"	close	N200-013SS	B	10
1/8	1-1/2"	N200-013-150SS	C	10
1/8	2	N200-013-200SS	C	10
1/8	2-1/2	N200-013-250SS	C	10
1/8	3	N200-013-300SS	C	10
1/8	3-1/2	N200-013-350SS	C	10
1/8	4	N200-013-400SS	C	10
1/8	4-1/2	N200-013-450SS	C	10
1/8	5	N200-013-500SS	C	10
1/8	5-1/2	N200-013-550SS	C	10
1/8	6	N200-013-600SS	C	10
1/8	8	N200-013-800SS	N	10
1/8	10	N200-013-1000SS	N	10
1/8	12	N200-013-1200SS	N	10
1/4	close	N200-025SS	A	10
1/4	1-1/2	N200-025-150SS	B	10
1/4	2	N200-025-200SS	B	10
1/4	2-1/2	N200-025-250SS	C	10
1/4	3	N200-025-300SS	C	10
1/4	3-1/2	N200-025-350SS	C	10
1/4	4	N200-025-400SS	C	10
1/4	4-1/2	N200-025-450SS	C	10
1/4	5	N200-025-500SS	C	10
1/4	5-1/2	N200-025-550SS	C	10
1/4	6	N200-025-600SS	C	10
1/4	8	N200-025-800SS	C	10
1/4	10	N200-025-1000SS	C	10
1/4	12	N200-025-1200SS	C	10
3/8	close	N200-038SS	B	10
3/8	1-1/2	N200-038-150SS	B	10
3/8	2	N200-038-200SS	B	10
3/8	2-1/2	N200-038-250SS	C	10
3/8	3	N200-038-300SS	B	10
3/8	3-1/2	N200-038-350SS	C	10
3/8	4	N200-038-400SS	C	10
3/8	4-1/2	N200-038-450SS	C	10
3/8	5	N200-038-500SS	C	10
3/8	5-1/2	N200-038-550SS	C	10
3/8	6	N200-038-600SS	C	10
3/8	8	N200-038-800SS	C	10
3/8	10	N200-038-1000SS	C	10
3/8	12	N200-038-1200SS	C	10

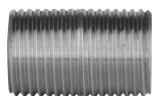
*Other lengths, including 20-21ft full lengths of plain end or threaded pipe available. Also available in Class 300 Sch 80 (N800-xxxSS) and seamless (N800SM-xxxSS).

NPT	Lgth	Part #	Stk	Bulk Pkg
1/2"	close	N200-050SS	A	10
1/2	1-1/2"	N200-050-150SS	B	10
1/2	2	N200-050-200SS	A	10
1/2	2-1/2	N200-050-250SS	B	10
1/2	3	N200-050-300SS	B	10
1/2	3-1/2	N200-050-350SS	C	10
1/2	4	N200-050-400SS	B	10
1/2	4-1/2	N200-050-450SS	C	10
1/2	5	N200-050-500SS	C	10
1/2	5-1/2	N200-050-550SS	C	10
1/2	6	N200-050-600SS	B	10
1/2	8	N200-050-800SS	C	10
1/2	10	N200-050-1000SS	C	10
1/2	12	N200-050-1200SS	C	10
1/2	15	N200-050-1500SS	C	10
3/4	close	N200-075SS	A	10
3/4	1-1/2"	N200-075-150SS	B	10
3/4	2	N200-075-200SS	B	10
3/4	2-1/2	N200-075-250SS	C	10
3/4	3	N200-075-300SS	B	10
3/4	3-1/2	N200-075-350SS	C	10
3/4	4	N200-075-400SS	B	10
3/4	4-1/2	N200-075-450SS	C	10
3/4	5	N200-075-500SS	C	10
3/4	5-1/2	N200-075-550SS	C	10
3/4	6	N200-075-600SS	B	10
3/4	8	N200-075-800SS	C	10
3/4	10	N200-075-1000SS	C	10
3/4	12	N200-075-1200SS	C	10
3/4	15	N200-075-1500SS	C	10

*Other lengths, including 20-21ft full lengths of plain end or threaded pipe available. Also available in Class 300 Sch 80 (N800-xxxSS) and seamless (N800SM-xxxSS).

10 Stainless Steel Pipe Fittings





Close Nipple



Long Nipple

316 Stainless Steel Pipe Nipples

NPT	Lgth	Part #	Stk	Bulk Pkg
1"	close	N200-100SS	A	10
1	2	N200-100-200SS	B	10
1	2-1/2	N200-100-250SS	B	10
1	3	N200-100-300SS	B	10
1	3-1/2	N200-100-350SS	C	10
1	4	N200-100-400SS	B	10
1	4-1/2	N200-100-450SS	C	10
1	5	N200-100-500SS	C	10
1	5-1/2	N200-100-550SS	C	10
1	6	N200-100-600SS	B	10
1	8	N200-100-800SS	C	10
1	10	N200-100-1000SS	C	10
1	12	N200-100-1200SS	C	10
1	20	N200-100-2000SS	N	10
1-1/4	close	N200-125SS	B	5
1-1/4	2	N200-125-200SS	C	5
1-1/4	2-1/2	N200-125-250SS	C	5
1-1/4	3	N200-125-300SS	C	5
1-1/4	3-1/2	N200-125-350SS	C	5
1-1/4	4	N200-125-400SS	C	5
1-1/4	4-1/2	N200-125-450SS	C	5
1-1/4	5	N200-125-500SS	C	5
1-1/4	5-1/2	N200-125-550SS	C	5
1-1/4	6	N200-125-600SS	C	5
1-1/4	8	N200-125-800SS	C	5
1-1/4	10	N200-125-1000SS	C	5
1-1/4	12	N200-125-1200SS	C	5
1-1/2	close	N200-150SS	B	5
1-1/2	2	N200-150-200SS	C	5
1-1/2	2-1/2	N200-150-250SS	C	5
1-1/2	3	N200-150-300SS	C	5
1-1/2	3-1/2	N200-150-350SS	C	5
1-1/2	4	N200-150-400SS	B	5
1-1/2	4-1/2	N200-150-450SS	C	5
1-1/2	5	N200-150-500SS	C	5
1-1/2	5-1/2	N200-150-550SS	C	5
1-1/2	6	N200-150-600SS	C	5
1-1/2	8	N200-150-800SS	C	5
1-1/2	10	N200-150-1000SS	C	5
1-1/2	12	N200-150-1200SS	C	5
2	close	N200-200SS	A	5
2	2-1/2	N200-200-250SS	C	5
2	3	N200-200-300SS	B	5
2	3-1/2	N200-200-350SS	C	5
2	4	N200-200-400SS	C	5
2	4-1/2	N200-200-450SS	C	5
2	5	N200-200-500SS	C	5
2	5-1/2	N200-200-550SS	C	5
2	6	N200-200-600SS	C	5
2	8	N200-200-800SS	C	5
2	10	N200-200-1000SS	C	5
2	11	N200-200-1100SS	C	5
2	12	N200-200-1200SS	C	5

NPT	Lgth	Part #	Stk	Bulk Pkg
2-1/2"	close	N200-250SS	C	1
2-1/2	3"	N200-250-300SS	C	1
2-1/2	4	N200-250-400SS	C	1
2-1/2	5	N200-250-500SS	N	1
2-1/2	6	N200-250-600SS	C	1
2-1/2	8	N200-250-800SS	C	1
2-1/2	10	N200-250-1000SS	N	1
2-1/2	12	N200-250-1200SS	N	1
3	close	N200-300SS	B	1
3	4	N200-300-400SS	C	1
3	5	N200-300-500SS	C	1
3	6	N200-300-600SS	C	1
3	8	N200-300-800SS	C	1
3	10	N200-300-1000SS	C	1
3	12	N200-300-1200SS	C	1
4	close	N200-400SS	C	1
4	4	N200-400-400SS	C	1
4	6	N200-400-600SS	C	1
4	8	N200-400-800SS	C	1
4	10	N200-400-1000SS	C	1
4	12	N200-400-1200SS	C	1
6	close	N200-600SS	N	1
6	6	N200-600-600SS	N	1
6	8	N200-600-800SS	N	1
6	10	N200-600-1000SS	N	1
6	12	N200-600-1200SS	N	1

*Other lengths, including 20-21ft full lengths of plain end or threaded pipe available. Also available in Class 300 Sch 80 (N800-xxxSS) and seamless (N800SM-xxxSS).

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.
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316 Stainless Steel Class 150 Hex Pipe Nipples

NPT	Part #	Stk	Bulk Pkg
1/8"	N201-013SS	C	10
1/4x1/8	N5404-04-02SS*	C	10
1/4	N201-025SS	A	10
3/8x1/4	N5404-06-04SS*	C	10
3/8	N201-038SS	B	10
1/2x3/8	N5404-08-06SS*	C	10
1/2	N201-050SS	A	10
3/4x1/2	N5404-12-08SS*	C	10
3/4	N201-075SS	B	10
1	N201-100SS	B	10
1-1/4	N201-125SS	C	10

*Certain sizes are actually NPT threaded hydraulic adapters.



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Stainless Toe Nipples

NPT	Lgth	Part #	Stk	Bulk Pkg
304 Stainless Steel				
1/2"	1-1/2"	N203-050-150SS	C	10
1/2	2	N203-050-200SS	C	10
3/4	1-1/2	N203-075-150SS	C	10
3/4	2	N203-075-200SS	C	10
1	2	N203-100-200SS	C	10
1-1/4	2	N203-125-200SS	C	10
1-1/4	2-1/2	N203-125-250SS	C	10
1-1/2	2	N203-150-200SS	C	5
1-1/2	2-1/2	N203-150-250SS	C	5
1-1/2	3	N203-150-300SS	C	5
2	2	N203-200-200SS	C	5
2	2-1/2	N203-200-250SS	C	5
2	3	N203-200-300SS	C	5
2-1/2	2-1/2	N203-250-250SS	C	1
3	3	N203-300-300SS	C	1
3	3-1/2	N203-300-350SS	C	1
3	4	N203-300-400SS	C	1
4	4	N203-400-400SS	N	1



Pipe Scully Weld-In Flange (Female NPT)

NPT	Part #	Stk	Bulk Pkg
*316 Stainless Class 150 (SP-144 Industrial Grade)			
1/4"	N297-025SS	N	10
3/8	N297-038SS	C	10
1/2	N297-050SS	C	10
3/4	N297-075SS	C	10
1	N297-100SS	C	10
1-1/4	N297-125SS	C	5
1-1/2	N297-150SS	C	5
2	N297-200SS	C	5





We offer two types of stainless steel pipe fittings. Our SS common grade are not designed for industrial grade piping systems and are for use in lighter duty, non-critical applications where traditional brass or plastic materials are not suitable. Use suffix "SP" for dimensions and pressures of ANSI/MSS SP-114 Class 150 (similar to ANSI B16.3 for malleable iron) and are a more robust fitting designed for commercial and industrial piping systems in chemical plants, pulp & paper, petroleum, food & beverage, sanitary, steam systems, and general industrial processes that are subject to various stressors.

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90 Elbow (Female NPT)

Deg/°F	Common	SP-114 Class 150
-200 to 150°F	150 psi	300 psi
+200°F	125	265
+250°F	-	225
+300°F	-	185
+350°F	-	150



45 Elbow (Female NPT)

NPT	Part #	Stk	Bulk Pkg
316 Stainless Class 150			
202			
1/8"	N205-013SS	C	10
1/4"	N205-025SS	B	10
3/8"	N205-038SS	B	10
1/2"	N205-050SS	B	10
3/4"	N205-075SS	B	10
1"	N205-100SS	B	10
1-1/4"	N205-125SS	C	5
1-1/2"	N205-150SS	B	5
2"	N205-200SS	B	5
2-1/2"	N205-250SS	C	1
3"	N205-300SS	C	1
4"	N205-400SS	C	1
6"	N205-600SS	N	1

*Forged Class 2000/3000 available (suffix FSS for stainless).

NPT	Part #	Stk	Bulk Pkg
316 Stainless Class 150			
202			
1/8"	N210-013SS	C	10
1/4"	N210-025SS	C	10
3/8"	N210-038SS	C	10
1/2"	N210-050SS	B	10
3/4"	N210-075SS	C	10
1"	N210-100SS	B	10
1-1/4"	N210-125SS	C	5
1-1/2"	N210-150SS	C	5
2"	N210-200SS	C	5
2-1/2"	N210-250SS	C	1
3"	N210-300SS	C	1
4"	N210-400SS	C	1
6"	N210-600SS	N	1

*Forged Class 2000/3000 available (suffix FSS for stainless).



90 Street Elbow (Fxm NPT)

Size	Part #	Stk	Bulk Pkg
316 Stainless Class 150			
202			
1/8"	N215-013SS	C	10
1/4"	N215-025SS	B	10
3/8"	N215-038SS	B	10
1/2"	N215-050SS	B	10
3/4"	N215-100SS	B	10
1"	N215-125SS	C	10
1-1/4"	N215-125SS	B	5
1-1/2"	N215-150SS	C	5
2"	N215-200SS	C	5
2-1/2"	N215-250SS	C	1
3"	N215-300SS	C	1
4"	N215-400SS	C	1

*Forged Class 2000/3000 available (suffix FSS for stainless).



Tee (Female NPT)

Size	Part #	Stk	Bulk Pkg
316 Stainless Class 150			
202			
1/8"	N225-013SS	C	10
1/4"	N225-025SS	B	10
3/8"	N225-038SS	B	10
1/2"	N225-050SS	B	10
3/4"	N225-075SS	B	10
1"	N225-100SS	A	10
1-1/4"	N225-125SS	C	5
1-1/2"	N225-150SS	B	5
2"	N225-200SS	B	5
2-1/2"	N225-250SS	C	1
3"	N225-300SS	C	1
4"	N225-400SS	C	1
6"	N225-600SS	N	1

*Forged Class 2000/3000 available (suffix FSS for stainless).





Stainless Steel Threaded Pipe Fittings

We offer two types of stainless steel pipe fittings. Our SS common grade are not designed for industrial grade piping systems and are for use in lighter duty, non-critical applications where traditional brass or plastic materials are not suitable. Use suffix "SP" for dimensions and pressures of ANSI/MSS SP-114 Class 150 (similar to ANSI B16.3 for malleable iron) and are a more robust fitting designed for commercial and industrial piping systems in chemical plants, pulp & paper, petroleum, food & beverage, sanitary, steam systems, and general industrial processes that are subject to various stressors.

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45° Street Elbow

Deg/°F	Common	SP-114 Class 150
-200 to 150°F	150 psi	300 psi
+200°F	125	265
+250°F	-	225
+300°F	-	185
+350°F	-	150



Coupling (Female NPT)

Size	Part #	Stk
1/4"	N220-025SS	C
3/4"	N220-075SS	C

NPT	Part #	Stk	Bulk Pkg
316 Stainless Class 150			202
1/8"	N245-013SS	B	10
1/4"	N245-025SS	B	10
3/8"	N245-038SS	B	10
1/2"	N245-050SS	B	10
3/4"	N245-075SS	B	10
1"	N245-100SS	A	10
1-1/4"	N245-125SS	C	5
1-1/2"	N245-150SS	C	5
2"	N245-200SS	C	5
2-1/2"	N245-250SS	C	1
3"	N245-300SS	C	1
4"	N245-400SS	C	1
6"	N245-600SS	C	1

*Forged Class 2000/3000 available (suffix FSS for stainless).



Cross (Female NPT)

NPT	Part #	Stk	Bulk Pkg
316 Stainless Class 150			202
1/8"	N235-013SS	C	10
1/4"	N235-025SS	C	10
3/8"	N235-038SS	C	10
1/2"	N235-050SS	C	10
3/4"	N235-075SS	C	10
1"	N235-100SS	C	10
1-1/4"	N235-125SS	C	5
1-1/2"	N235-150SS	C	5
2"	N235-200SS	C	5
3"	N235-300SS	C	1
4"	N235-400SS	N	1

*Forged Class 2000/3000 available (suffix FSS for stainless).



Pipe Cap (Female NPT)

NPT	Part #	Stk	Bulk Pkg
316 Stainless Class 150			202
1/8"	N240-013SS	C	10
1/4"	N240-025SS	C	10
3/8"	N240-038SS	C	10
1/2"	N240-050SS	C	10
3/4"	N240-075SS	C	10
1"	N240-100SS	C	10
1-1/4"	N240-125SS	C	5
1-1/2"	N240-150SS	C	5
2"	N240-200SS	C	5
2-1/2"	N240-250SS	C	1
3"	N240-300SS	C	1
4"	N240-400SS	C	1
6"	N240-600SS	C	1

*Forged Class 2000/3000 available (suffix FSS for stainless).



Weldable Half Coupling (Weld x Female NPT)

Size	Part #	Stk	Bulk Pkg
316 Stainless Class 150			202
1/4"	N247-025SS	C	10
3/8"	N247-038SS	C	10
1/2"	N247-050SS	C	10
3/4"	N247-075SS	C	10
1"	N247-100SS	C	10
1-1/2"	N247-150SS	C	10
2"	N247-200SS	C	5
2-1/2"	N247-250SS	C	5
3"	N247-300SS	C	5
4"	N247-400SS	C	1
6"	N247-600SS	N	1

*Forged Class 2000/3000 available (suffix FSS for stainless).

10
Stainless Steel Pipe Fittings



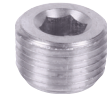


We offer two types of stainless steel pipe fittings. Our SS common grade are not designed for industrial grade piping systems and are for use in lighter duty, non-critical applications where traditional brass or plastic materials are not suitable. Use suffix "SP" for dimensions and pressures of ANSI/MSS SP-114 Class 150 (similar to ANSI B16.3 for malleable iron) and are a more robust fitting designed for commercial and industrial piping systems in chemical plants, pulp & paper, petroleum, food & beverage, sanitary, steam systems, and general industrial processes that are subject to various stressors.

202



Deg/°F	Common	SP-114 Class 150
-200 to 150°F	150 psi	300 psi
+200°F	125	265
+250°F	-	225
+300°F	-	185
+350°F	-	150



N265- Regular Square Head Plug

N267- Countersunk

Reducer Coupling (Female NPT)

Large Size	Part #	Stk	Bulk Pkg
316 Stainless Class 150			202
1/4" x	N250-025-xxxSS	C	10
3/8" x	N250-038-xxxSS	C	10
1/2" x	N250-050-xxxSS	C	10
3/4" x	N250-075-xxxSS	C	10
1" x	N250-100-xxxSS	B	10
1-1/4" x	N250-125-xxxSS	C	5
1-1/2" x	N250-150-xxxSS	C	5
2" x	N250-200-xxxSS	C	5
2-1/2" x	N250-250-xxxSS	C	1
3" x	N250-300-xxxSS	C	1
4" x	N250-400-xxxSS	C	1

*Forged Class 2000/3000 available (suffix FSS for stainless).

Square Head Pipe Plug (Male NPT)

Large Size	Part #	Stk	Bulk Pkg
Square Head 316 Stainless Class 150			202
1/8"	N265-013SS	C	10
1/4"	N265-025SS	B	10
3/8"	N265-038SS	B	10
1/2"	N265-050SS	A	10
3/4"	N265-075SS	B	10
1"	N265-100SS	B	10
1-1/4"	N265-125SS	C	5
1-1/2"	N265-150SS	C	5
2"	N265-200SS	C	5
2-1/2"	N265-250SS	C	1
3"	N265-300SS	C	1
4"	N265-400SS	C	1

Counter Sunk 316 Stainless

Large Size	Part #	Stk	Bulk Pkg
Counter Sunk 316 Stainless			202
1/8"	N267-013SS	C	10
1/4"	N267-025SS	C	10
3/8"	N267-038SS	C	10
1/2"	N267-050SS	C	10
3/4"	N267-075SS	C	10
1"	N267-100SS	C	10
1-1/4"	N267-125SS	C	5
1-1/2"	N267-150SS	C	5
2"	N267-200SS	C	5

*Forged Class 2000/3000 available (suffix FSS for stainless).



Reducer Bushing (Male x Female) NPT

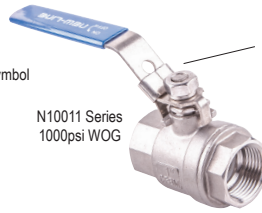
Male Size	Part #	Stk	Std Price	Bulk Price	Bulk Pkg
316 Stainless Class 150					202
1/4" x	N260-025-xxxSS	B			10
3/8" x	N260-038-xxxSS	A			10
1/2" x	N260-050-xxxSS	C			10
3/4" x	N260-075-xxxSS	C			10
1" x	N260-100-xxxSS	B			10
1-1/4" x	N260-125-xxxSS	C			5
1-1/2" x	N260-150-xxxSS	C			5
2" x	N260-200-xxxSS	C			5
2-1/2" x	N260-250-xxxSS	C			1
3" x	N260-300-xxxSS	C			1
4" x	N260-400-xxxSS	C			1
6" x	N260-600-xxxSS	N			1

*Forged Class 2000/3000 available (suffix FSS for stainless).

10

Stainless Steel Pipe Fittings





Pad Lockable Handles



N10012 Series
2000psi WOG w/
Mounting Pad Body

Standard Port Stainless Steel Ball Valves

These are used in sanitary, corrosive, higher temperature, or industrial applications where a brass valve is not suitable. They have blow-out proof stems and locking handles on all sizes. The body and ball are made of 316 stainless steel and the handle is made of 304 stainless. These are suitable for 800 psi water, oil, or gas (at ambient temperatures) and 150 psi steam. They are typically not used in hydraulic applications due to surging, temperature, and pressure requirements (refer to our N10704 heavier pattern hydraulic ball valves). Replacement handles are available (N10010RH-xxx).

NPT Size	Part #	Stk	Bulk Pkg
800 psi WOG (w/ Pad-Lockable Handle)			
1/4"	N10010-025SS	B	5
3/8"	N10010-038SS	C	5
1/2"	N10010-050SS	B	5
3/4"	N10010-075SS	B	5
1"	N10010-100SS	C	5
1-1/4"	N10010-125SS	C	5
1-1/2"	N10010-150SS	C	5
2"	N10010-200SS	C	5

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Full Port Stainless Steel Ball Valve

These are used in sanitary, corrosive, or industrial applications where brass ball valves are not suitable. They are typically not used in hydraulic applications due to surging, temperature, and pressure requirements (refer to our N10704 heavier pattern hydraulic ball valves). They have blow-out proof stems with a 316SS body and ball and a 304SS pad-lockable handle. N10011 are suitable for 1000 psi (at ambient temperature) water, oil, or gas and 150psi steam. N10012 sizes 1/4" to 1-1/4" are suitable for 2000psi whereas sizes 1-1/2" to 4" are rated at 1500psi (at ambient temperature) water, oil, or gas. Suitable for 150psi steam. Replacement handles are available (N10011RLH).

NPT Size	Part #	Stk	Bulk Pkg
1000 psi WOG (w/ Pad-Lockable Handle)			
1/4"	N10011-025SS	A	5
3/8"	N10011-038SS	A	5
1/2"	N10011-050SS	A	5
3/4"	N10011-075SS	A	5
1"	N10011-100SS	A	5
1-1/4"	N10011-125SS	B	5
1-1/2"	N10011-150SS	B	5
2"	N10011-200SS	A	5
2-1/2"	N10011-250SS	C	1
3"	N10011-300SS	C	1
4"	N10011-400SS	C	1

1500 psi WOG (w/ Pad-Lockable Handle & Mounting Pad Body)			
1/4"	N10012-025SS	C	5
3/8"	N10012-038SS	C	5
1/2"	N10012-050SS	C	5
3/4"	N10012-075SS	B	5
1"	N10012-100SS	B	5
1-1/4"	N10012-125SS	C	5
2000 psi WOG (w/ Pad-Lockable Handle & Mounting Pad Body)			
1-1/2"	N10012-150SS	C	5
2"	N10012-200SS	C	5
2-1/2"	N10012-250SS	C	1
3"	N10012-300SS	C	1
4"	N10012-400SS	C	1

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Deadman Spring Return Handle Ball Valves

These are designed for sandblast, fuelling, or other applications where the valve must remain in the OFF position when a user is not present (deadman switch). 1/2" thru 1" are rated for 2000 psi & 1-1/4" thru 2" are rated for 1500 psi water, oil, or gas (at ambient temperatures) and 150 psi steam. The 316 stainless body is standard but it is also available with a brass or carbon steel body on special request. Lever components are stainless steel on all types.

NPT Size	Part #	Stk	Bulk Pkg
316 Stainless Steel - Standard			
1/4"	N10000DM-025SS	C	5
3/8"	N10000DM-038SS	C	5
1/2"	N10000DM-050SS	C	5
3/4"	N10000DM-075SS	C	5
1"	N10000DM-100SS	C	5
1-1/4"	N10000DM-125SS	C	1
1-1/2"	N10000DM-150SS	C	1
2"	N10000DM-200SS	C	1

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N10109 Stainless w/ ISO
5211 Mounting Pad*

3-Way Diverter Ball Valve (L-Port Flow Pattern)

These 3-way diverter valves are designed to have the flow run from the CENTER port to either side (center port must be the inlet to work properly with no leaks or compromising of the seat). Flow from the center is designed to go in an L-pattern, either to the left or right (however by positioning the handle, flow to "both" sides can be done but there will be flow reductions and the valve seat could be compromised). The 316SS are designed for 1000 psi water, oil, or gas. These are typically not used in hydraulic applications due to surging, temperature, and pressure requirements (refer to our N10714 heavier pattern hydraulic valves).

NPT Size	Part #	Stk	Bulk Pkg
316 Stainless Body w/ ISO 5211 Mounting Pad			
1/4"-2"	N10109-xxxSS	C	5

331T

Complete Range of Sizes on
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11
Stainless Steel Ball Valves

NS10 Hydraulic Quick Connects (ISO 7241-1 Series B)

Our NS10 series quick connect couplings are a popular, general purpose industrial interchange coupling that can be used with hydraulic fluid, water, certain chemicals, gases, and steam (must be refitted with an EPDM or Viton seal when used with steam). Our NS10 series are compatible with Parker series 60, Safeway S10 Series, Dayco QDI Series, Snaptite 72 Series, Hansen HK Series, Aeroquip FD-45 Series, Perfecting H Series, and many others. These quick connects feature a double shut-off poppet, Buna-N seal (-20F to +212F, other seals are available), and with a steel, brass, or stainless body. The coupler has a one-way sleeve and all sizes meet ISO 7241-1 Series B interchange and performance requirements. Also available with safety sleeve locks and SAE ORB or BSPP threads.



Thread Size	Working Pressure	Part #	Stk
Coupler			
Plated Steel - NPT Thread			
1/8"	5000 psi	NS105-1	C
1/4	5000	NS105-2	A
3/8	4000	NS105-3	A
1/2	4000	NS105-4	A
3/4	3000	NS105-6	A
1	3000	NS105-8	A
1-1/4	1200	NS105-10	N
1-1/2	1700	NS105-12	C
Plated Steel - ORB Thread			
# 06	5000 psi	NS105-2-6FORB	C
# 08	4000	NS105-3-8FORB	C
# 10	4000	NS105-4-10FORB	N
# 12	3000	NS105-6-12FORB	C
# 16	3000	NS105-8-16FORB	C
Brass Body**			
1/8"	3000 psi	NBS105-1	C
1/4	2700	NBS105-2**	A
3/8	2200	NBS105-3	B
1/2	2200	NBS105-4**	B
3/4	2000	NBS105-6	B
1	1500	NBS105-8	C
Stainless Body**			
1/8"	4000 psi	NSS105-1	C
1/4	4000	NSS105-2**	C
3/8	4000	NSS105-3	C
1/2	3600	NSS105-4**	C
3/4	3500	NSS105-6	C
1	2500	NSS105-8	C
1-1/4	1700	NSS105-10	N
1-1/2	1600	NSS105-12	N

***Replacement O-Ring for Coupler**

Buna-N	NS1060B-x	C
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***Replacement Back-Up Ring**

PTFE	NS1061T-x	C
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*Replace B with V for Viton O-Rings and E for EPDM O-Rings.

**Available with optional sleeve lock (suffix -SL).

Thread Size	Working Pressure	Part #	Stk
Nipple			
Plated Steel - NPT Thread			
1/8"	5000 psi	NS101-1	C
1/4	5000	NS101-2	A
3/8	4000	NS101-3	A
1/2	4000	NS101-4	A
3/4	3000	NS101-6	A
1	3000	NS101-8	A
1-1/4	1200	NS101-10	C
1-1/2	1700	NS101-12	C
Plated Steel - ORB Thread			
# 06	5000 psi	NS101-2-6FORB	C
# 08	4000	NS101-3-8FORB	C
# 10	4000	NS101-4-10FORB	N
# 12	3000	NS101-6-12FORB	N
# 16	3000	NS101-8-16FORB	N
Brass Body			
1/8"	3000 psi	NBS101-1	C
1/4	2700	NBS101-2	A
3/8	2200	NBS101-3	B
1/2	2200	NBS101-4	B
3/4	2000	NBS105-6	B
1	1500	NBS105-8	C
Stainless Body			
1/8"	4000 psi	NSS101-1	C
1/4	4000	NSS101-2	B
3/8	4000	NSS101-3	C
1/2	3600	NSS101-4	C
3/4	3500	NSS101-6	C
1	2500	NSS101-8	C
1-1/4	1700	NSS101-10	N
1-1/2	1600	NSS101-12	N



Dust Cap (for Nipples)

Size	Material	Part #	Stk
1/8"	5000 psi	NR19-1	C
1/4	5000	NR19-2	C
3/8	4000	NR19-3	B
1/2	4000	NR19-4	C
3/4	3000	NR19-6	C
1	3000	NR19-8	C



Dust Plug (for Couplers)

Size	Material	Part #	Stk
1/8"	Vinyl/Rbr	NR14-1	C
1/4	Vinyl/Rbr	NR14-2	C
3/8	Vinyl/Rbr	NR14-3	C
1/2	Vinyl/Rbr	NR14-4	C
3/4	Vinyl/Rbr	NR14-6	C
1	Vinyl/Rbr	NR14-8	C





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 #	Pressure Range	Stk
2-1/2" Dial Diameters			
1/4"	NCLC-250-030SS	30"-0-30psi	C
1/4"	NLC-250-030SS	0-30 psi	C
1/4"	NLC-250-060SS	0-60 psi	C
1/4"	NLC-250-100SS	0-100 psi	C
1/4"	NLC-250-160SS	0-160 psi	C
1/4"	NLC-250-200SS	0-200 psi	C
1/4"	NLC-250-300SS	0-300 psi	N
1/4"	NLC-250-600SS	0-600 psi	N
1/4"	NLC-250-1000SS	0-1000 psi	N
1/4"	NLC-250-1500SS	0-1500 psi	N
1/4"	NLC-250-3000SS	0-3000 psi	C
1/4"	NLC-250-5000SS	0-5000 psi	C



All Stainless, Liquid Filled - Lower Mount

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



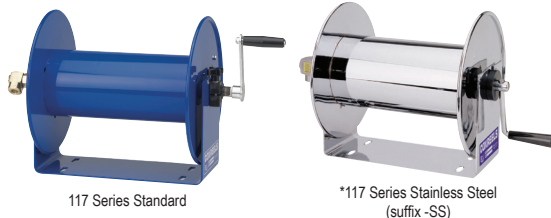
Tridicator Temperature & Pressure Gauge

Pressure	Part #	Temperature	Stk
2-1/2" Face Diameter - 1/4" NPT Back Mount			
0-75 psi	TTD404 (2" Stem)	20°C/70°F - 160°C/320°F	C
0-75 psi	TTD410 (1" Stem)	20°C/70°F - 160°C/320°F	C
0-75 psi	TTD401 (Ext Back)	20°C/70°F - 160°C/320°F	C
3" Face Diameter - 1/2" NPT Back Mount			
0-75 psi	TTD402 (2.5" Stem)	20°C/70°F - 160°C/320°F	C
0-200 psi	TTD407 (2.5" Stem)	20°C/70°F - 160°C/320°F	C
3" Face Diameter - 1/2" NPT Bottom Mount			
0-75 psi	TTD403 (2.5" Stem)	20°C/70°F - 160°C/320°F	C
0-200 psi	TTD405 (2.5" Stem)	20°C/70°F - 160°C/320°F	C

13

Stainless Steel Gauges





117 Series Standard

*117 Series Stainless Steel (suffix -SS)

Medium Duty Hand Crank

These high-quality stainless steel reels ensure clean, non-contaminated, safe and reliable transfer of breathing air, potable water or other clean fluids. They have a solid one-piece, heavy-gauge steel "U" shape. Rated for maximum 4000 psi.

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	Dimensions H" x W" D"	Stk
High Pressure					
1/2" x 75ft	1/2"	112-4-75	4,000 psi	13" x 23" x 12"	C
1/2 x 225	1/2	117-4-225	4,000	18 x 23 x 17	C
3/4 x 100	3/4	117-5-100	4,000	18 x 23 x 17	C
Stainless Steel					
1/2 x 75ft	1/2"	112-4-75-SS	4,000 psi	13" x 23" x 12"	C
1/2 x 225	1/2	117-4-225-SS	4,000	18 x 23 x 17	C
3/4 x 100	3/4	117-5-100-SS	4,000	18 x 24 x 17	C



Hand Crank

1125 Series Stainless Steel (suffix -SS)

Manual Hand Crank

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	Dimensions H" x W" D"	Stk
1/2" x 100 ft	1/2"	1125-4-100-SS	3,000 psi	19" x 19" x 18"	N
1/2 x 200	1/2	1125-4-200-SS	3,000	19 x 26 x 18	N
3/4 x 100	3/4	1125-5-100-SS	3,000	19 x 27 x 18	N
3/4 x 200	3/4	1125-5-200-SS	3,000	19 x 39 x 18	N



Pure Flow 1125P Series

Available w/ Top Regulator 1125P-4-6XCX



P-LPL/MPL/HPL Series Standard Mount

P-LPL/MPL/HPL Series Standard Mount

Performance Duty Spring Rewind

These are self-rewinding, compact reels with an additional (second) support point for the center shaft for added durability/use/pressures/weight, compared to the lighter Performance Duty models. They are for shorter hose assemblies in general air, water, pressure washer, or oil applications (for grease use high pressure models). The arm guide is adjustable for different mounting options (wall, floor, ceiling, pit).

Capacity ID x Length	NPT Size	Part #	PSI Rating	Dimensions H" x W" D"	Stk
1/4" x 25 ft		P-LPL-125	300 psi	14" x 6" x 14"	C
3/8 x 25		P-LPL-350	300	18 x 6 x 17	B
1/2 x 25		P-LPL-425	300	18 x 7 x 17	N
Stainless Steel					
3/8" x 35 ft		P-LPL-335-SS	300 psi	14" x 6" x 17"	N
3/8 x 50		P-LPL-350-SS	300	18 x 6 x 17	N
1/2 x 25		P-LPL-425-SS	300	18 x 7 x 17	N

*Many other sizes are available.



Pure Flow 100 Series

Pure Flow CM Series "Caddy Mount"

Pure Flow Series - Food Grade Fluids/Air

The Pure Flow reels have powder coated steel frames and bodies like normal reels, but Pure Flow come equipped with stainless steel air/fluid paths and stainless steel swivels with non-toxic, food quality grease, ensuring clean, non-contaminated, safe and reliable transfer of breathing air, potable water or other clean fluids. They are a lower cost option to full stainless steel frames and bodies.

Capacity ID x Lgth	NPT Size	Part #	PSI Rating	Dimensions H" x W" D"	Stk
Pure Flow 100 Series					
3/8" x 100 ft		112P-3-8	4,000 psi	13" x 19" x 12"	N
Pure Flow CM (Caddy Mount) Series					
3/8" x 100 ft		112P-3-8-CM	4,000 psi	13" x 19" 12"	N
Pure Flow 1125P Series					
1/2" x 100 ft		1125P-4-6	6,000 psi	19" x 20" x 18"	N
1/2 x 150		1125P-4-8	6,000	19 x 22 x 18	N
1/2 x 200		1125P-4-12	6,000	19 x 26 x 18	N

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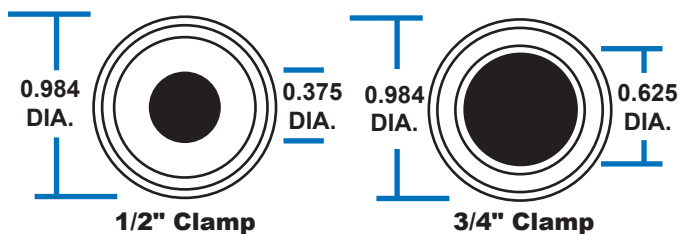
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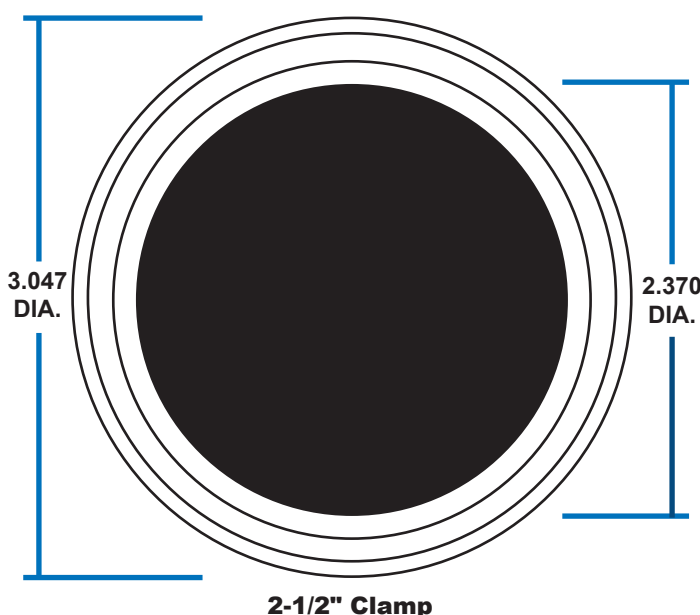
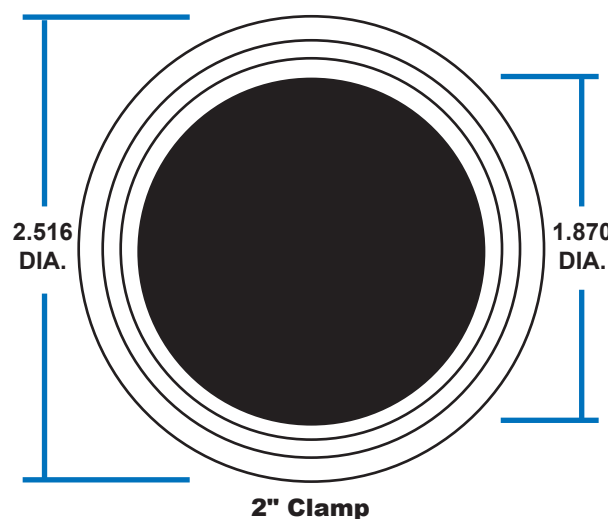
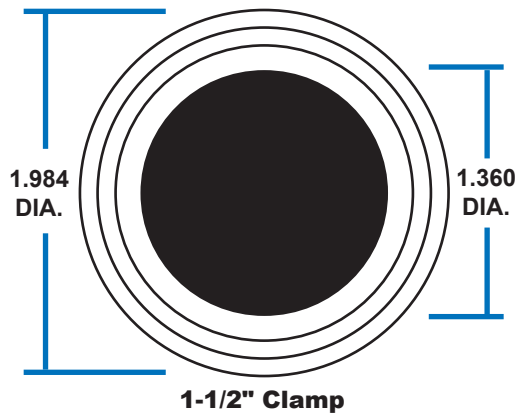
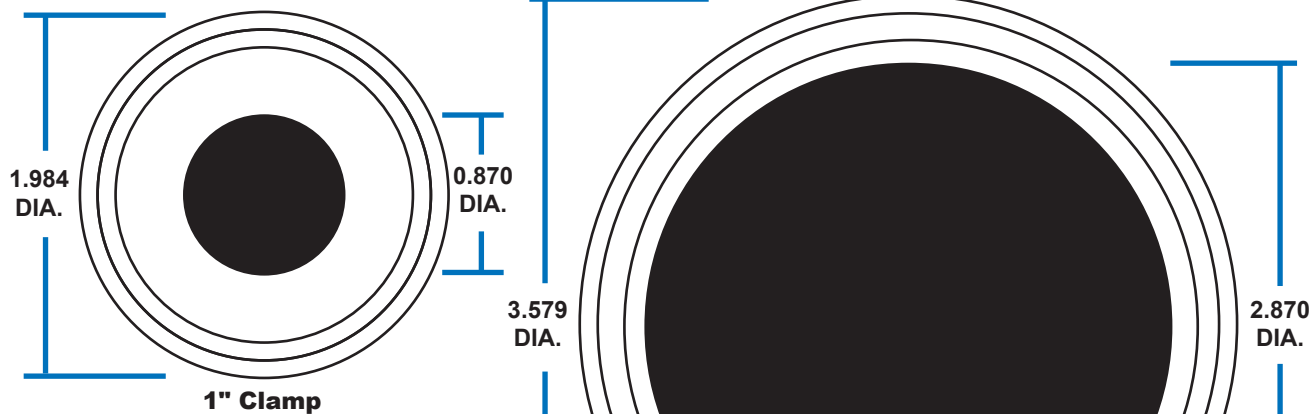


Sanitary Clamp Size Chart

Please Note: The following image is sized to scale of actual sanitary tri-clamp fittings. 4" & 6" not shown on this page, however, their dimensions are listed at the bottom of this page.

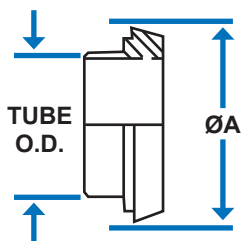


0.984" O.D is the same for 1/2" & 3/4" I.D styles
1.984" O.D is the same for 1" & 1-1/2" I.D styles
Varying O.D for the 2", 2-1/2" & 3" I.D styles



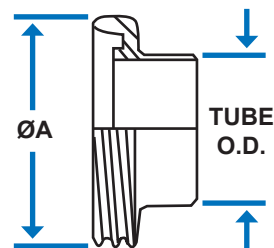
4" Sanitary Clamp Gasket = 3.384 ID x 4.682 O.D

6" Sanitary Clamp Gasket = 5.782 ID x 6.562 O.D



Weld Males

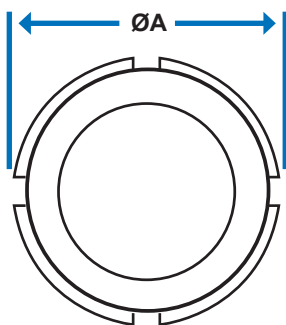
Tube O.D. (inches)	ØA
1	1.73
1-1/2	2.20
2	2.68
2-1/2	3.39
3	3.94
4	4.76



Weld Liners

Tube O.D. (inches)	ØA
1	2.04
1-1/2	2.56
2	3.07
2-1/2	3.74
3	4.31
4	5.10

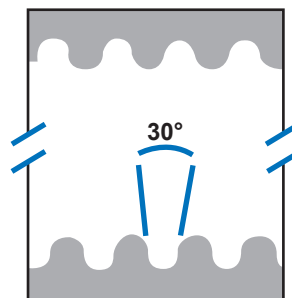
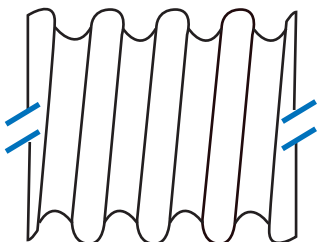
Round Nut



Tube O.D. (inches)	DN	ØA	B Thread I.D.	Threads Per Inch
1	25	2.48	1.88	6
1-1/2	40	3.07	2.39	6
2	50	3.62	2.90	6
2-1/2	65	4.41	3.49	6
3	80	5.00	4.14	4
4	100	5.83	4.94	4

Note: 3" and larger or 3" and up will have 6 slots.

DIN Thread Form



Female Thread

Gasket



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