

SECTIONS

BRASS FITTINGS

PAGES 1-64

VALVES

PAGES 65-76

HOSE

PAGES 77-84

TUBING

PAGES 85-92

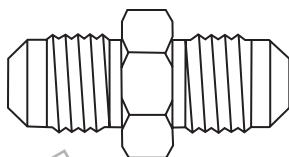
CLAMPS & CLIPS

PAGES 93-100

ACCESSORIES & INDEX

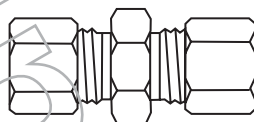
PAGES 101-108

45° FLARE



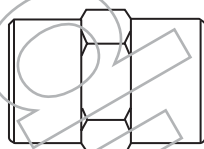
PAGES 9-15

COMPRESSION



PAGES 16-21

PIPE



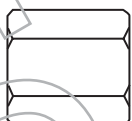
PAGES 22-27

HOSE BARBS



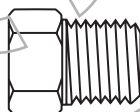
PAGES 28-31

INVERTED FLARE



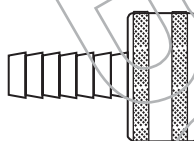
PAGES 32-34

THREADED SLEEVE



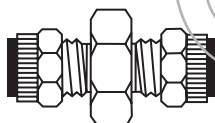
PAGES 35

GARDEN HOSE



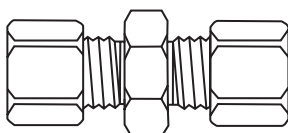
PAGES 36-38

VERSA FLO



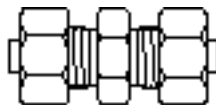
PAGES 39-40

VRIBRA PRUF



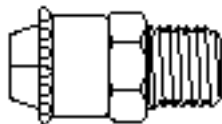
PAGES 41-44

COMPRESSION FOR POLY



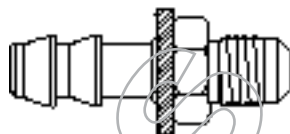
PAGES 45-47

POLY PUSH



PAGES 48-49

LOK ON



PAGES 50-51

REUSEABLE



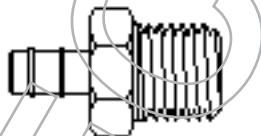
PAGES 52

PRECISION GRIP



PAGES 53

POLY BARB



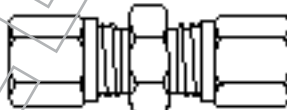
PAGES 53-55

AIR BRAKE FOR COPPER



PAGES 56-58

AIR BRAKE FOR NYLON



PAGES 59-61

AIR BRAKE HOSE ENDS



PAGES 62-64

TUYAU S.A.E. ÉVASER EN 45°

être classé selon le diagramme ci-dessous
(dimensionnez "A")

S.A.E. 45° FLARE FOR TUBING

Les procédures et les caractéristiques suivantes devraient être rencontrées afin d'évaser correctement tuyauterie dure de mur le cuivre et l'aluminium, pour l'usage avec des garnitures de fusée des garnitures 45°

The following procedures and specifications should be met in order to properly flare hard wall tubing such as copper and aluminum, for use with Fittings 45° flare fittings.

Flaring Procedures

1) Le coupeur approprié pour coupée la tuyauterie du tube

Pour réduire au minimum workhardening et bavures, employez une alimentation légère et faites plusieurs révolutions

2) Alèsent la tuyauterie soigneusement

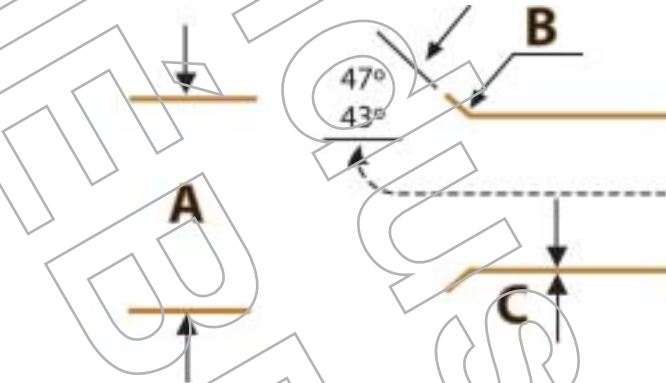
N'importe quelles bavures doivent être retirées pour obtenir la surface d'étanchéité maximum. Retirez seulement les bavures, non matérielles de l'épaisseur de paroi initiale

3) Tuyauterie de fusée

En utilisant un compactage ou un type d'outil à évasé, suivez les instructions du constructeurs de l'outil

4) Examinent la fusée

Le siège de fusée (l'intérieur du cône) doit être lisse. Le diamètre extérieur du cône de fusée au plus grand point, une fois mesuré avec des micromètres devrait



Tube Outside Diameter	"A" Single Flare Diameter		"B" Single Flare Radius	"C" Single Flare Wall Thickness
Pouces Inches	Max.	Min.	±0.01	Max.
1/8"	0.181	0.171	0.02	0.035
3/16"	0.249	0.239	0.02	0.035
1/4"	0.325	0.315	0.02	0.049
5/16"	0.404	0.388	0.02	0.049
3/8"	0.487	0.471	0.02	0.065
7/16"	0.561	0.545	0.02	0.065
1/2"	0.623	0.607	0.02	0.083
5/8"	0.748	0.732	0.02	0.095
3/4"	0.916	0.900	0.02	0.109
7/8"	1.041	1.025	0.02	0.109

chart below (dimension "A")

Flaring Procedures

1) Cut tubing with proper tube cutter

To minimize work hardening and burr, use a light feed and make several revolutions.

2) Ream the tubing carefully

Any burr must be removed to obtain maximum sealing surface. Remove only the burr, not material from the original wall thickness.

3) Flare tubing

Using a compression or generating type flaring tool, follow tool manufacturers instructions.

4) Inspect flare

The flare seat (the inside of the cone) must be smooth. The outside diameter of the flare cone at the largest point, when measured with micrometers should be sized according to the

Table de Résistance Au Chimique

Chemical Resistance Table

FLUIDE	BRASS	POLYETHYLENE	P.V.C.	NYLON 6/6	NYLON 11	FLUIDE
Acetaldehyde	-	L	X	L	L	Acetaldehyde
Acetic Acid (Dilute)	X	G	L	L	L	Acetic Acid (Dilute)
Acetic Acid (Conc.)	X	X	L	X	X	Acetic Acid (Conc.)
Acetic Anhydride	X	X	X	-	X	Acetic Anhydride
Acetone	G	L	X	G	L	Acetone
Acetylene	G	-	-	-	G	Acetylene
Air	G	G	G	G	G	Air
Alcohols (Amyl)	G	X	G	-	L	Alcohols (Amyl)
Alcohols (Butyl)	G	-	L	L	X	Alcohols (Butyl)
Alcohols (Ethyl)	G	X	L	G	L	Alcohols (Ethyl)
Alcohols (Isopropyl)	-	X	G	-	L	Alcohols (Isopropyl)
Alcohols (Methyl)	G	X	L	G	L	Alcohols (Methyl)
Aluminum Chloride	X	G	L	L	-	Aluminum Chloride
Aluminum Fluoride	X	G	L	L	X	Aluminum Fluoride
Aluminum Hydroxide	G	G	G	-	-	Aluminum Hydroxide
Aluminum Nitrate	X	-	G	L	-	Aluminum Nitrate
Aluminum Sulfate	X	G	G	L	G	Aluminum Sulfate
Alums	X	G	G	L	G	Alums
Ammonia (Gas)	X	G	-	-	G	Ammonia (Gas)
Ammonia (Liquid)	X	-	X	G	-	Ammonia (Liquid)
Ammonium Chloride	X	G	G	X	G	Ammonium Chloride
Ammonium Hydroxide	X	G	G	G	-	Ammonium Hydroxide
Ammonium Nitrate	X	G	G	-	G	Ammonium Nitrate
Ammonium Phosphate	X	G	G	-	L	Ammonium Phosphate
Ammonium Sulphate	X	G	G	-	L	Ammonium Sulphate
Amyl Acetate	L	X	X	X	G	Amyl Acetate
Aniline	L	X	X	-	X	Aniline
Aromatic Hydrocarbon	-	-	-	-	L	Aromatic Hydrocarbon
Barium Chloride	X	G	G	X	G	Barium Chloride
Barium Hydroxide	L	G	G	-	-	Barium Hydroxide
Barium Sulfate	G	G	G	G	-	Barium Sulfate
Barium Sulfide	L	G	G	L	-	Barium Sulfide
Beer	G	G	-	-	G	Beer
Beet Sugar Liquors	L	-	-	-	-	Beet Sugar Liquors
Benzaldehyde	-	X	X	-	L	Benzaldehyde
Benzene (Benzol)	G	X	X	X	X	Benzene (Benzol)
Benzoic Acid	L	G	X	X	L	Benzoic Acid
Boric Acid	X	G	G	X	-	Boric Acid
Bromine	L	X	X	X	X	Bromine
Butane	G	-	-	-	G	Butane
Calcium Acetate	-	-	-	-	-	Calcium Acetate
Calcium Bisulfite	X	-	-	-	-	Calcium Bisulfite
Calcium Chloride	X	G	G	X	G	Calcium Chloride
Calcium Hydroxide	L	G	G	-	-	Calcium Hydroxide
Calcium Hypochloride	X	L	L	X	X	Calcium Hypochloride
Carbon Dioxide (Dry)	G	G	-	-	G	Carbon Dioxide (Dry)
Carbon Dioxide (Wet)	L	-	-	-	G	Carbon Dioxide (Wet)
Carbon Disulphide	G	-	X	-	L	Carbon Disulphide
Carbon Tetrachloride	L	X	X	G	X	Carbon Tetrachloride
Chlorine (Dry)	G	X	-	X	X	Chlorine (Dry)
Chlorine (Wet)	X	X	-	X	X	Chlorine (Wet)
Chloroform	G	X	X	L	X	Chloroform
Chromic Acid	X	G	X	X	X	Chromic Acid
Citric Acid	L	G	G	L	L	Citric Acid
Copper Chloride	X	G	G	X	L	Copper Chloride
Copper Cyanide	X	G	G	-	L	Copper Cyanide
Copper Sulfate	X	G	G	-	L	Copper Sulfate
Cresol	-	X	X	X	X	Cresol
Cyclohexanol	-	X	X	-	L	Cyclohexanol
Ethers	G	X	X	-	G	Ethers
Ethyl Acetate	L	X	X	G	G	Ethyl Acetate
Ethylene Glycol	L	G	G	G	L	Ethylene Glycol

LEGEND G=GOOD L=LIMITED (use only after testing)

X=UNSATISFACTORY - DATA NOT AVAILABLE

NOTE: All Data is believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind on our part. These tables are meant as guide lines only. Your chemical manufacturer should be able to provide you with more detailed information for your specific application.

LEGEND G=GOOD L=LIMITED (use only after testing)

X=UNSATISFACTORY - DATA NOT AVAILABLE

NOTE: All Data is believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind on our part. These tables are meant as guide lines only. Your chemical manufacturer should be able to provide you with more detailed information for your specific application.

Chemical Resistance Table

Chemical Resistance Table

FLUIDE	BRASS	POLYETHYLENE	P.V.C.	NYLON 6/6	NYLON 11	FLUIDE
Fatty Acids	-	X	-	-	G	Fatty Acids
Formaldehyde	L	G	G	G	L	Formaldehyde
Freons	G	-	-	G	G	Freons
Fruit Juices	X	-	-	-	-	Fruit Juices
Gasoline (refined)	G	X	-	-	G	Gasoline (refined)
Glucose	G	-	-	-	G	Glucose
Glycerine	G	G	G	-	L	Glycerine
Hydrochloric Acid	X	G	G	X	L	Hydrochloric Acid
Hydrogen Peroxide	X	L	G	X	L	Hydrogen Peroxide
Iodine	-	X	X	-	-	Iodine
Kerosene	G	-	-	-	G	Kerosene
Lactic Acid	G	G	L	G	G	Lactic Acid
Linseed Oil	X	X	-	G	G	Linseed Oil
Lubricating Oil	X	X	-	-	G	Lubricating Oil
Mercuric Chloride	G	G	X	-	-	Mercuric Chloride
Mercury	X	G	-	-	G	Mercury
Methane	X	X	-	-	G	Methane
Methyl Bromide	X	X	X	-	L	Methyl Bromide
Methyl Chloride	X	X	X	-	L	Methyl Chloride
Methyl Ethyl Ketone	X	X	X	-	L	Methyl Ethyl Ketone
Methyl Isobutyl Ketone	X	X	X	G	L	Methyl Isobutyl Ketone
Methyl Isopropyl Ketone	X	-	-	-	L	Methyl Isopropyl Ketone
Milk	X	-	-	-	-	Milk
Mineral Oil	X	X	L	-	G	Mineral Oil
Naptha	X	L	-	L	L	Naptha
Naphthalene	L	-	X	-	-	Naphthalene
Nitric Acid	L	L	L	X	X	Nitric Acid
Olaic Acid	-	X	G	-	L	Olaic Acid
Oxalic Acid	X	G	G	-	L	Oxalic Acid
Oxygen	L	G	G	-	G	Oxygen
Ozone	G	X	-	-	X	Ozone
Paper Mill Liquors	L	G	-	-	-	Paper Mill Liquors
Petroleum Oils	G	-	-	-	G	Petroleum Oils
Phenol	L	L	X	X	X	Phenol
Phosphoric Acid	-	L	G	X	L	Phosphoric Acid
Potassium Chloride	G	G	G	G	G	Potassium Chloride
Potassium Cyanide	L	-	G	-	-	Potassium Cyanide
Potassium Dichromate	X	G	G	-	X	Potassium Dichromate
Potassium Hydroxide	L	G	G	L	-	Potassium Hydroxide
Potassium Permanganate	G	G	G	X	X	Potassium Permanganate
Potassium Sulfate	-	G	G	-	G	Potassium Sulfate
Propane	X	-	-	-	G	Propane
Silver Nitrate	X	G	-	-	G	Silver Nitrate
Soap Solutions	L	-	-	-	G	Soap Solutions
Sodium Bicarbonate	X	G	G	G	-	Sodium Bicarbonate
Sodium Bisulfate	G	G	G	-	-	Sodium Bisulfate
Sodium Bisulfite	L	G	G	-	-	Sodium Bisulfite
Sodium Borate	G	-	G	-	-	Sodium Borate
Sodium Chloride	L	G	G	G	G	Sodium Chloride
Sodium Hydroxide	G	G	L	L	L	Sodium Hydroxide
Sodium Nitrate	X	G	G	G	-	Sodium Nitrate
Sulfur Dioxide	G	G	L	X	-	Sulfur Dioxide
Sulfuric Acid	X	L	L	X	L	Sulfuric Acid
Tannic Acid	L	G	G	-	-	Tannic Acid
Trichlorethylene	X	X	X	-	X	Trichlorethylene
Turpentine	X	-	-	-	G	Turpentine
Uric Acid	X	-	-	-	-	Uric Acid
Vinegar	-	-	G	-	G	Vinegar
Water	-	G	G	-	G	Water
Xylene	G	-	X	G	L	Xylene
Zinc Chloride	L	-	G	-	L	Zinc Chloride
Zinc Sulfate	L	-	G	-	-	Zinc Sulfate

LEGEND G=GOOD L=LIMITED (use only after testing)

X=UNSATISFACTORY -= DATA NOT AVAILABLE

NOTE: all Data is believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind on our part. These tables are meant as guide lines only. Your chemical manufacturer should be able to provide you with more detailed information for your specific application.

LEGEND G=GOOD L=LIMITED (use only after testing)

X=UNSATISFACTORY -= DATA NOT AVAILABLE

NOTE: all Data is believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind on our part. These tables are meant as guide lines only. Your chemical manufacturer should be able to provide you with more detailed information for your specific application.

STRAIGHT THREAD SIZE CHART

Versa Fittings Inc.	Outside Diameter of Tubing										
	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
<i>SAE 45° Flare</i>	5/16 -24	3/8 -24	7/16 -20	1/2 -20	5/8 -18	11/16 -18	3/4 -16	7/8 -14	1-1/16 -14	1-1/4 -12	1-3/8 -12
<i>Inverted Flare</i>	5/16 -28	3/8 -24	7/16 -24	1/2 -20	5/8 -18	11/16 -18	3/4 -18	7/8 -18	1-1/16 -16		
<i>Standard Compression</i>	5/16 -24	3/8 -24	7/16 -24	1/2 -24	9/16 -24	5/8 -24	11/16 -20	13/16 -18	1 -18	1-1/8 -18	
<i>Versa-Flo</i>	5/16 -24	3/8 -24	3/8 -24	7/16 -24	1/2 -24		11/16 -20				
<i>Air Brake Compression</i>			7/16 -24		17/32 -24		11/16 -20	13/16 -18	1 -18		
<i>JIC 37° Flare</i>	5/16 -24	3/8 -24	7/16 -20	1/2 -20	9/16 -18		3/4 -16	7/8 -14	1-1/16 -12	1-3/16 -12	1-5/16 -12
<i>Threaded Sleeve</i>	5/16 -24	3/8 -24	7/16 -24	1/2 -20	9/16 -20	5/8 -18	11/16 -16	7/8 -18	1 -20		

FRACTIONAL SIZE CODES FOR HOSE AND TUBING												
TUBE SIZE	1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
CODE	-2	-5/32	-3	-4	-5	-6	-7	-8	-10	-12	-14	-16

FRACTIONAL SIZE CODES FOR PIPE													
PIPE SIZE	1/16	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	-27	-27	-18	-18	-14	-14	-11 1/2	-11 1/2	-11 1/2	-11 1/2	-8	-8	-8
CODE	-1	-A	-B	-C	-D	-E	F	-G	-H	-I	-J	-K	-L

MANUFACTURING METHODS FOR BRASS FITTINGS

Bar Stock and Extruded Fittings and Nuts

A solid round billet of brass is heated to the pliable state and forced through a die of the appropriate configuration. The resulting continuous length is cooled, then drawn to size through another set of dies. After straightening, the bars are ready for machining. This process produces a dense, nonporous product with a longitudinal grain and large wrench flats that allow for easier installation. All of Versa Fittings straight (screw machine) and extruded shaped bodies are produced from either CA360 or CA345 brass.

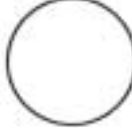
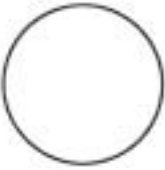
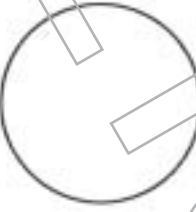
Forged Fittings and Nuts

The initial process to produce material for forging is much the same as for extruded bars differing only in temper and chemistry. The bars are then cut into short lengths, reheated and machine pressed between forging dies at approximately 25,000 p.s.i., the flashing is then trimmed and the blank is ready to be machined. This process produces a uniformly dense material with a grain that follows the contours of the fitting and has a high impact resistance. All of Versa Fittings forgings are produced from CA377 brass.

ACTUAL OUTSIDE DIAMETER OF TUBING

FRACTION DECIMAL SIZE CODE	1/16" (0.0625) -1	1/8" (0.125) -2	5/32" (0.1563) -5/32	3/16" (0.1875) -3	1/4" (0.250) -4	5/16" (0.3125) -5	3/8" (0.375) -6	7/16" (0.4375) -7
								
FRACTION DECIMAL SIZE CODE	1/2" (0.500) -8	5/8" (0.625) -10	3/4" (0.750) -12	7/8" (0.875) -14	1" (1.000) -16			
								

ACTUAL OUTSIDE DIAMETER OF PIPE

1/16-27 (0.3125) -1	1/8-27 (0.405) -A	1/4-18 (0.540) -B	3/8-18 (0.675) -C	1/2-14 (0.840) -D	3/4-14 (1.050) -E	1-11½ (1.315) -F
						

Instructions pour Assemblée

- 1) La tuyauterie coupée retirent toutes les bavures
- 2) Placer l'écrou de fusée sur la tuyauterie s'assurant que l'embout fileté de l'écrou est des revêtements vers l'extrémité du tube.
- 3) Évasent l'extrémité du tube avec un outil à évasé qui produira une fusée de 45°, suivra des instructions de constructeurs de l'outil et se rapportera au diagramme à la page 3 pour des dimensions terminées appropriées.
- 4) Maintiennent les tuyaux évasés entre l'écrou et le nez du corps convenable et vissent l'écrou sur le doigt fortement.
- 5) Serrent l'assemblage avec une clé jusqu'à ce qu'un sentiment plein soit produit. À partir de ce point, appliquez à (1/6 (60°) tour.

Caractéristiques

Des garnitures de fusée peuvent être assemblées et désassemblées à plusieurs reprises, sont résistantes au dégagement

Applications

Utilisé avec le cuivre, le laiton, l'aluminium et toute tuyauterie hydraulique en acier soudée qui peut être évasée. Cette série de garnitures a été conçue particulièrement pour qu'il retienne des liquides et des gaz

Température Ambiante

De -65° à +250° F

Pressions d'Utilisation

La table vers la droite montre des pressions d'utilisation recommandées par maximum à 72°F, à l'aide de la tuyauterie de cuivre sans soudure Astm-b-75 (30.000 P.S.I. de résistance à la traction). Cette table est destinée pour être utilisée comme guide seulement.

Assembly Instructions

- 1) Cut Tubing squarely and remove any burrs
- 2) Place flare nut on tubing ensuring that the threaded end of the nut is facing toward the end of the tube.
- 3) Flare the end of the tube with a flaring tool that will produce a 45° flare, follow tool manufacturers instructions and refer to chart on page 3 for proper finished dimensions.
- 4) Clamp the flared tubing between the nut and the nose of the fitting body and screw the nut on finger tight.
- 5) Tighten assembly with a wrench until a solid feeling is encountered. From that point, apply a (1/6 (60°) turn.

Characteristics

Flare fittings can be assembled and disassembled repeatedly, are resistant to mechanical pullout and have good resistance to vibration if used with a long nut.

Applications

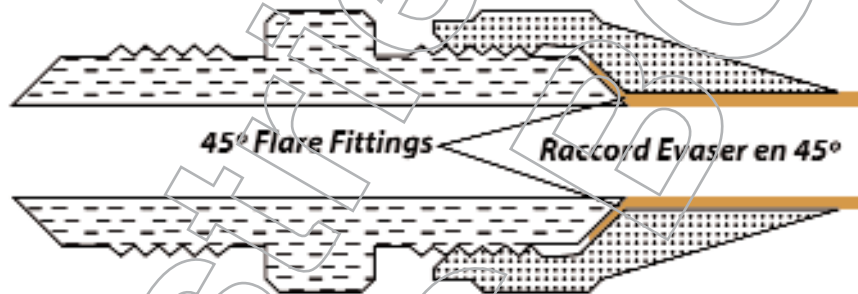
Used with copper, brass, aluminum and any welded steel hydraulic tubing that can be flared. This series of fittings was designed especially for hard to hold liquids and gases.

Temperature Range

From -65° to +250° F

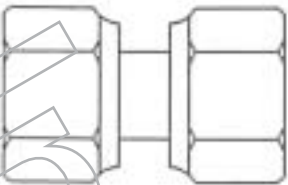
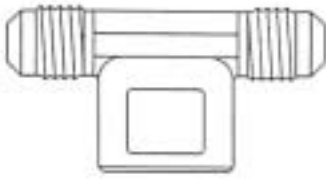
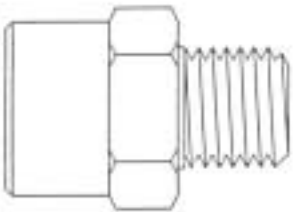
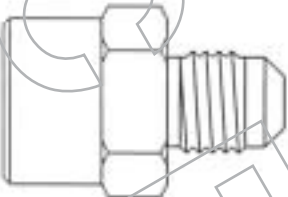
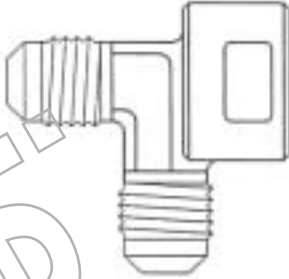
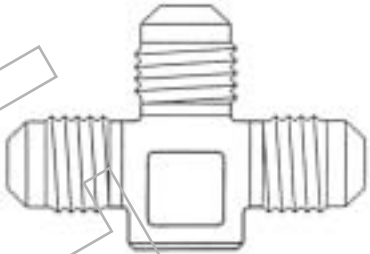
Working Pressures

The table to the right shows maximum recommended working pressures at 72°F, using seamless copper tubing ASTM-B-75 (30,000 P.S.I. tensile strength). This table is intended to be used as a guide

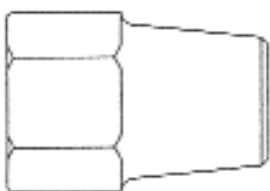
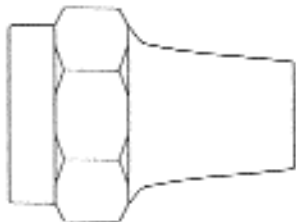
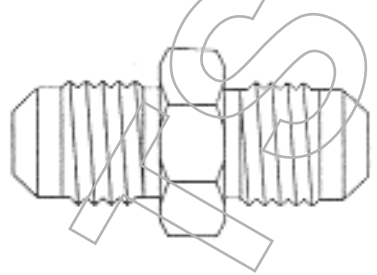
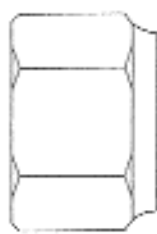
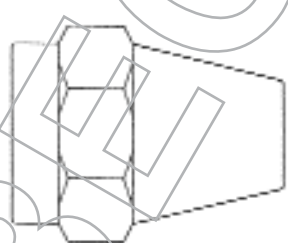
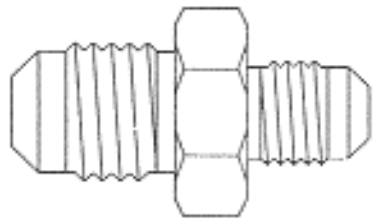


Tube Outside Diameter	Tube Wall Thickness	Maximum Working Pressure
Pouces Inches	Pouces Inches	P.S.I.
1/8"	0.030	2,800
3/16"	0.030	1,900
1/4"	0.030	1,400
5/16"	0.032	1,200
3/8"	0.032	1,000
1/2"	0.032	750
5/8"	0.035	650
3/4"	0.035	550
7/8"	0.035	450

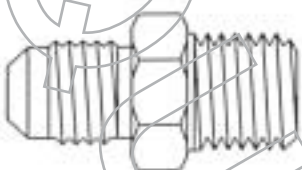
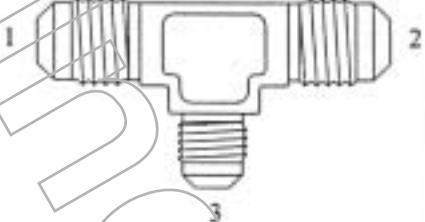
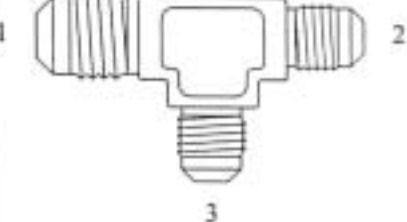
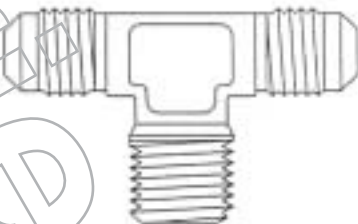
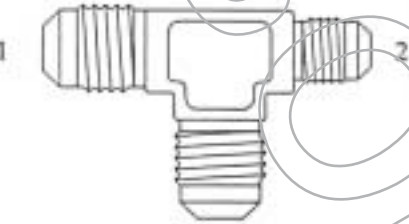
only.

<i>Female Union (tube both ends)</i> 			<i>Swivel Union (tube both ends)</i> 			<i>Female Branch Tee (tube x female pipe)</i> 		
<i>Part No</i> 32-4 32-6 32-8			<i>Part No</i> 34-4 34-5 34-6 34-8 34-10 34-12			<i>Part No</i> 36-4A 36-4B 36-6B 36-6C 36-6D 36-8C 36-8D		
<i>Tube</i> 1/4 3/8 1/2			<i>Tube</i> 1/4 5/16 3/8 1/2 5/8 3/4			<i>Tube</i> 1/4 1/4 3/8 3/8 3/8 1/2 1/2		
<i>Pipe</i> 1/8 1/4 3/8 1/2						<i>Pipe</i> 1/8 1/4 1/4 3/8 1/2 3/8 1/2		
<i>Female Connector (tube x male pipe)</i> 			<i>Reducer (tube both ends)</i> 			<i>Female Run Tee (tube x female pipe)</i> 		
<i>Part No</i> 33-4A 33-4B 33-6B 33-6C 33-8C			<i>Part No</i> 35-4-3 35-4-5 35-4-6 35-4-8 35-5-4 35-6-4 35-6-5 35-6-8 35-8-4 35-8-6 35-8-10 35-10-6 35-10-8 35-10-12 35-12-10			<i>Part No</i> 37-6C 37-6D		
<i>Tube</i> 1/4 1/4 3/8 3/8 1/2			<i>Female</i> 1/4 1/4 1/4 1/4 5/16 3/8 3/8 3/8 1/2 1/2 1/2 5/8 5/8 5/8 3/4			<i>Tube</i> 3/8 3/8		
<i>Pipe</i> 1/8 1/4 1/4 3/8 3/8			<i>Male</i> 3/16 5/16 3/8 1/2 1/4 1/4 5/16 1/2 1/4 3/8 5/8 3/8 1/2 3/4 5/8			<i>Pipe</i> 3/8 1/2		
<i>Female Cross (tube x female pipe)</i> 						<i>Part No</i> 38-6C 38-6D 38-8D		
						<i>Tube</i> 3/8 3/8 1/2		
						<i>Pipe</i> 3/8 1/2 1/2		

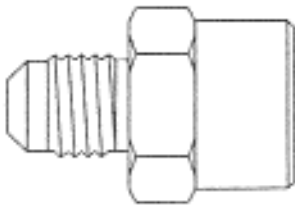
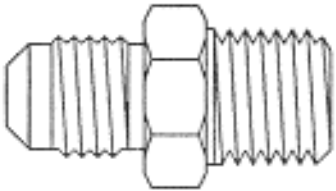
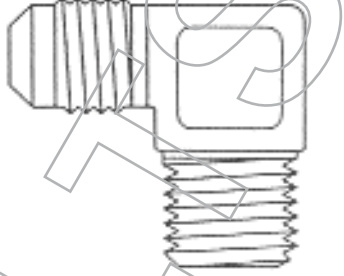
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Long Forged Nut 			Long Extruded Nut 			Union (tube both ends) 		
<u>Part No</u> <u>Tube</u>			<u>Part No</u> <u>Tube</u>			<u>Part No</u> <u>Tube</u>		
39-4 1/4			41-2 1/8			42-2 ** 1/8		
39-5 5/16			41-3 3/16			42-3 3/16		
39-6 3/8			41-4 1/4			42-4 1/4		
39-8 1/2			41-5 5/16			42-5 5/16		
39-10 5/8			41-6 3/8			42-6 3/8		
39-12 3/4			41-7 ** 7/16			42-7 ** 7/16		
			41-8 1/2			42-8 1/2		
			41-10 5/8			42-10 5/8		
			41-12 3/4			42-12 3/4		
						42-14 7/8		
						42-16 ** 1		
Short Forged Nut 			Short Extruded Nut 			Reducing Union (tube x tube) 		
<u>Part No</u> <u>Tube</u>			<u>Part No</u> <u>Tube</u>			<u>Part No</u> <u>Tube</u> <u>Tube</u>		
40-3 3/16			41S-2 1/8			42-4-3 ** 1/4 3/16		
40-4 1/4			41S-3 3/16			42-5-4 5/16 1/4		
40-5 5/16			41S-4 1/4			42-6-4 3/8 1/4		
40-6 3/8			41S-5 5/16			42-6-5 3/8 5/16		
40-8 1/2			41S-6 3/8			42-8-4 1/2 1/4		
40-10 5/8			41S-7 7/16			42-8-6 1/2 3/8		
40-12 3/4			41S-8 1/2			42-10-6 5/8 3/8		
40-14 7/8			41S-10 5/8			42-10-8 5/8 1/2		
			41S-12 3/4			42-12-8 3/4 1/2		
			41S-14 7/8			42-12-10 3/4 5/8		
Short Forged Nut (reducing)								
<u>Part No</u> <u>Tube</u> <u>Tube</u>								
40-4-3 1/4 3/16								
40-5-4 5/16 1/4								
40-6-4 3/8 1/4								
40-6-5 3/8 5/16								
40-8-6 1/2 3/8								
40-10-6 5/8 3/8								
40-10-8 5/8 1/2								
40-12-8 3/4 1/2								

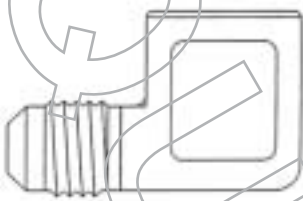
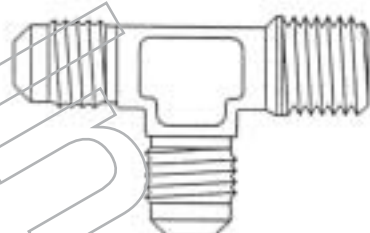
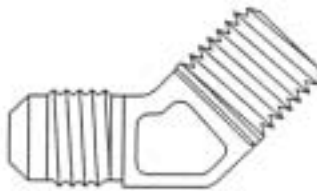
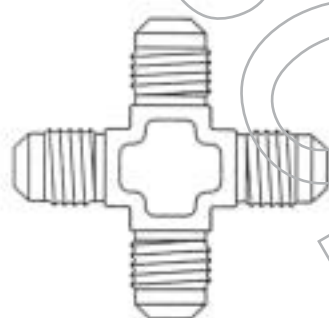
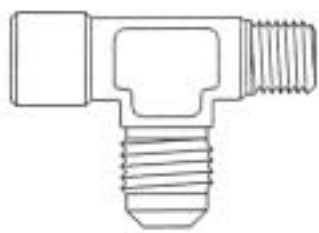
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Ball Check Connector (tube x male pipe) (gravity feed)			Union Tee (reducing or increasing on branch)			Union Tee (reducing on run and branch)				
										
Part No	Tube	Pipe	Part No	Tube Size			Part No	Tube Size		
				1	2	3		1	2	3
43-4A	1/4	1/8	44-4-6	1/4	1/4	3/8	44-6-4-4	3/8	1/4	1/4
43-6B	3/8	1/4	44-6-4	3/8	3/8	1/4	44-8-6-6	1/2	3/8	3/8
			44-6-8	3/8	3/8	1/2				
			44-6-10	3/8	3/8	5/8				
			44-8-4	1/2	1/2	1/4				
			44-8-6	1/2	1/2	3/8				
			44-8-10	1/2	1/2	5/8				
			44-8-12	1/2	1/2	3/4				
			44-10-6	5/8	5/8	3/8				
			44-10-8	5/8	5/8	1/2				
			44-12-8	3/4	3/4	1/2				
			44-12-10	3/4	3/4	5/8				
Union Tee (tube all ends)			Male Branch Tee (tube x male pipe)			Union Tee (reducing or increasing on run)				
										
Part No	Tube		Part No	Tube Size			Part No	Tube	Pipe	
				1	2	3				
44-2 **	1/8		44-6-4-6	3/8	1/4	3/8	45-2A **	1/8	1/8	
44-3	3/16		44-8-4-8	1/2	1/4	1/2	45-3A	3/16	1/8	
44-4	1/4		44-8-6-8	1/2	3/8	1/2	45-4A	1/4	1/8	
44-5	5/16						45-4B	1/4	1/4	
44-6	3/8						45-4C	1/4	3/8	
44-8	1/2						45-4D	1/4	1/2	
44-10	5/8						45-5A	5/16	1/8	
44-12	3/4						45-5B	5/16	1/4	
							45-6B	3/8	1/4	
							45-6C	3/8	3/8	
							45-6D	3/8	1/2	
							45-8B	1/2	1/4	
							45-8C	1/2	3/8	
							45-8D	1/2	1/2	
							45-8E	1/2	3/4	
							45-10C	5/8	3/8	
							45-10D	5/8	1/2	
							45-12D	3/4	1/2	
							45-12E	3/4	3/4	

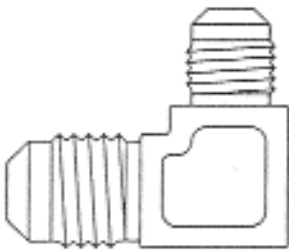
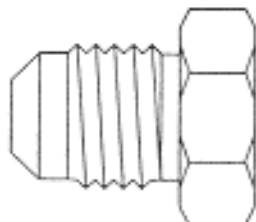
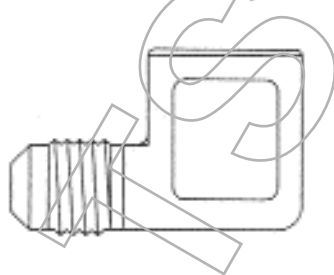
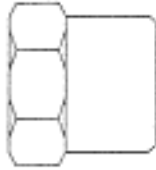
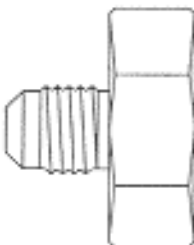
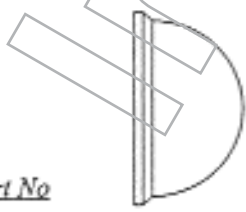
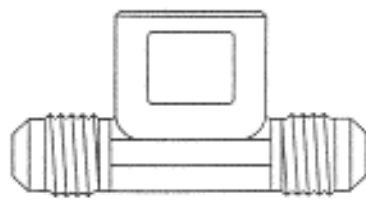
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
 For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Female Connector (tube x female pipe)			Male Connector (tube x male pipe)			90° Male Elbow (tube x male pipe)		
								
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
46-2A	1/8	1/8	48-2A	1/8	1/8	49-2A	1/8	1/8
46-3A	3/16	1/8	48-3A	3/16	1/8	49-3A	3/16	1/8
46-3B	3/16	1/4	48-3B	3/16	1/4	49-3B	3/16	1/4
46-4A	1/4	1/8	48-4A	1/4	1/8	49-4A	1/4	1/8
46-4B	1/4	1/4	48-4B	1/4	1/4	49-4B	1/4	1/4
46-4C	1/4	3/8	48-4C	1/4	3/8	49-4C	1/4	3/8
46-4D	1/4	1/2	48-4D	1/4	1/2	49-4D	1/4	1/2
46-5A	5/16	1/8	48-5A	5/16	1/8	49-5A	5/16	1/8
46-5B	5/16	1/4	48-5B	5/16	1/4	49-5B	5/16	1/4
46-5C **	5/16	3/8	48-5C	5/16	3/8	49-5C	5/16	3/8
46-6A	3/8	1/8	48-6A	3/8	1/8	49-6A	3/8	1/8
46-6B	3/8	1/4	48-6B	3/8	1/4	49-6B	3/8	1/4
46-6C	3/8	3/8	48-6C	3/8	3/8	49-6C	3/8	3/8
46-6D	3/8	1/2	48-6D	3/8	1/2	49-6D	3/8	1/2
46-6E	3/8	3/4	48-6E	3/8	3/4	49-6E	3/8	3/4
46-8B	1/2	1/4	48-7B **	7/16	1/4	49-8B	1/2	1/4
46-8C	1/2	3/8	48-8B	1/2	1/4	49-8C	1/2	3/8
46-8D	1/2	1/2	48-8C	1/2	3/8	49-8D	1/2	1/2
46-8E	1/2	3/4	48-8D	1/2	1/2	49-8E	1/2	3/4
46-10C	5/8	3/8	48-8E	1/2	3/4	49-10C	5/8	3/8
46-10D	5/8	1/2	48-10B **	5/8	1/4	49-10D	5/8	1/2
46-10E	5/8	3/4	48-10C	5/8	3/8	49-10E	5/8	3/4
46-12D	3/4	1/2	48-10D	5/8	1/2	49-12D	3/4	1/2
46-12E	3/4	3/4	48-10E	5/8	3/4	49-12E	3/4	3/4
46-14E	7/8	3/4	48-12D	3/4	1/2	49-14E	7/8	3/4
			48-12E	3/4	3/4	49-16E	1	3/4
			48-14D	7/8	1/2	49-16F	1	1
			48-14E	7/8	3/4			
			48-16D	1	1/2			
			48-16E	1	3/4			
			48-16F	1	1			
Solder Connector (tube x tube)			Please Note: Flare fittings do not come assembled complete with flare nuts. Please order separately. Some J.I.C. 37° flare fittings are available from stock, inquiries may be placed through the order desk. Many products can be manufactured to your specifications, please provide either a print or sample and your quantity requirements for pricing.					
<u>Part No</u>	<u>Tube</u>	<u>Tube</u>						
48S-4-4	1/4	1/4						
48S-6-6	3/8	3/8						
48S-8-8	1/2	1/2						

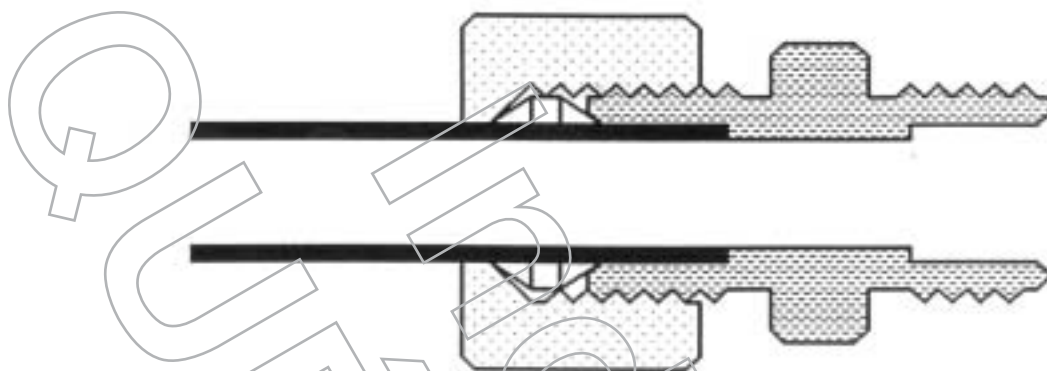
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
 For Stainless Steel fittings, add the suffix "S/S" to the above part number.

90° Female Elbow (tube to female pipe)			Male Run Tee (tube x male pipe x tube)			45° Male Elbow (tube x male pipe)																					
																											
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>																			
50-3A **	3/16	1/8	51-3A	3/16	1/8	54-3A **	3/16	1/8																			
50-4A	1/4	1/8	51-4A	1/4	1/8	54-4A	1/4	1/8																			
50-4B	1/4	1/4	51-4B	1/4	1/4	54-4B	1/4	1/4																			
50-4C	1/4	3/8	51-4C	1/4	3/8	54-4C	1/4	3/8																			
50-5A	5/16	1/8	51-5A	5/16	1/8	54-5A	5/16	1/8																			
50-5B	5/16	1/4	51-5B	5/16	1/4	54-5B	5/16	1/4																			
50-6A	3/8	1/8	51-6A	3/8	1/8	54-6B	3/8	1/4																			
50-6B	3/8	1/4	51-6B	3/8	1/4	54-6C	3/8	3/8																			
50-6C	3/8	3/8	51-6C	3/8	3/8	54-6D	3/8	1/2																			
50-6D	3/8	1/2	51-6D	3/8	1/2	54-8C	1/2	3/8																			
50-6E	3/8	3/4	51-8B **	1/2	1/4	54-8D	1/2	1/2																			
50-8B **	1/2	1/4	51-8C	1/2	3/8	54-10C **	5/8	3/8																			
50-8C	1/2	3/8	51-8D	1/2	1/2	54-10D	5/8	1/2																			
50-8D	1/2	1/2	51-10C	5/8	3/8	54-12D	3/4	1/2																			
50-8E	1/2	3/4	51-10D	5/8	1/2	54-12E	3/4	3/4																			
50-10C	5/8	3/8	51-10E	5/8	3/4	90° Union Elbow (tube both ends) 																					
50-10D	5/8	1/2	51-12D	3/4	1/2																						
50-10E	5/8	3/4	51-12E	3/4	3/4																						
50-12D	3/4	1/2	Cross (tube all ends) 																								
50-12E	3/4	3/4				Street Tee (female pipe x male pipe x tube) 																					
50-14E	7/8	3/4							<table><tr><td><u>Part No</u></td><td><u>Tube</u></td><td><u>Pipe</u></td></tr><tr><td>53-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>53-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>53-6B</td><td>3/8</td><td>1/4</td></tr></table>			<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	53-4A	1/4	1/8	53-4B	1/4	1/4	53-6B	3/8	1/4				
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>																									
53-4A	1/4	1/8																									
53-4B	1/4	1/4																									
53-6B	3/8	1/4																									
			<u>Part No</u>	<u>Tube</u>	<table><tr><td><u>Part No</u></td><td><u>Tube</u></td></tr><tr><td>55-2 **</td><td>1/8</td></tr><tr><td>55-3</td><td>3/16</td></tr><tr><td>55-4</td><td>1/4</td></tr><tr><td>55-5</td><td>5/16</td></tr><tr><td>55-6</td><td>3/8</td></tr><tr><td>55-8</td><td>1/2</td></tr><tr><td>55-10</td><td>5/8</td></tr><tr><td>55-12</td><td>3/4</td></tr><tr><td>55-14</td><td>7/8</td></tr></table>			<u>Part No</u>	<u>Tube</u>	55-2 **	1/8	55-3	3/16	55-4	1/4	55-5	5/16	55-6	3/8	55-8	1/2	55-10	5/8	55-12	3/4	55-14	7/8
<u>Part No</u>	<u>Tube</u>																										
55-2 **	1/8																										
55-3	3/16																										
55-4	1/4																										
55-5	5/16																										
55-6	3/8																										
55-8	1/2																										
55-10	5/8																										
55-12	3/4																										
55-14	7/8																										

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

90° Reducing Elbow (tube both ends) 	Sealing Plug 	90° Elbow (tube both ends) 																																																	
<table><tr><th>Part No</th><th>Tube</th><th>Tube</th></tr><tr><td>55-6-4</td><td>3/8</td><td>1/4</td></tr><tr><td>55-6-5</td><td>3/8</td><td>5/16</td></tr><tr><td>55-8-4</td><td>1/2</td><td>1/4</td></tr><tr><td>55-8-6</td><td>1/2</td><td>3/8</td></tr><tr><td>55-10-6</td><td>5/8</td><td>3/8</td></tr><tr><td>55-12-8</td><td>3/4</td><td>1/2</td></tr></table>	Part No	Tube	Tube	55-6-4	3/8	1/4	55-6-5	3/8	5/16	55-8-4	1/2	1/4	55-8-6	1/2	3/8	55-10-6	5/8	3/8	55-12-8	3/4	1/2	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>58-3</td><td>3/16</td></tr><tr><td>58-4</td><td>1/4</td></tr><tr><td>58-5</td><td>5/16</td></tr><tr><td>58-6</td><td>3/8</td></tr><tr><td>58-8</td><td>1/2</td></tr><tr><td>58-10</td><td>5/8</td></tr><tr><td>58-12</td><td>3/4</td></tr></table>	Part No	Tube	58-3	3/16	58-4	1/4	58-5	5/16	58-6	3/8	58-8	1/2	58-10	5/8	58-12	3/4	<table><tr><th>Part No</th><th>Female</th><th>Male</th></tr><tr><td>E4-4-4</td><td>1/4</td><td>1/4</td></tr><tr><td>E4-6-6</td><td>3/8</td><td>3/8</td></tr><tr><td>E4-8-8</td><td>1/2</td><td>1/2</td></tr></table>	Part No	Female	Male	E4-4-4	1/4	1/4	E4-6-6	3/8	3/8	E4-8-8	1/2	1/2
Part No	Tube	Tube																																																	
55-6-4	3/8	1/4																																																	
55-6-5	3/8	5/16																																																	
55-8-4	1/2	1/4																																																	
55-8-6	1/2	3/8																																																	
55-10-6	5/8	3/8																																																	
55-12-8	3/4	1/2																																																	
Part No	Tube																																																		
58-3	3/16																																																		
58-4	1/4																																																		
58-5	5/16																																																		
58-6	3/8																																																		
58-8	1/2																																																		
58-10	5/8																																																		
58-12	3/4																																																		
Part No	Female	Male																																																	
E4-4-4	1/4	1/4																																																	
E4-6-6	3/8	3/8																																																	
E4-8-8	1/2	1/2																																																	
Cap 	Gasket (copper) 	Refrigerant Drum Adaptor (tube x female pipe) 																																																	
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>56-3</td><td>3/16</td></tr><tr><td>56-4</td><td>1/4</td></tr><tr><td>56-5</td><td>5/16</td></tr><tr><td>56-6</td><td>3/8</td></tr><tr><td>56-8</td><td>1/2</td></tr><tr><td>56-10</td><td>5/8</td></tr><tr><td>56-12</td><td>3/4</td></tr></table>	Part No	Tube	56-3	3/16	56-4	1/4	56-5	5/16	56-6	3/8	56-8	1/2	56-10	5/8	56-12	3/4		<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>K1-4D</td><td>1/4</td><td>1/2</td></tr><tr><td>K1-4E</td><td>1/4</td><td>3/4</td></tr><tr><td>K1-6E</td><td>3/8</td><td>3/4</td></tr><tr><td>K1-8E</td><td>1/2</td><td>3/4</td></tr></table>	Part No	Tube	Pipe	K1-4D	1/4	1/2	K1-4E	1/4	3/4	K1-6E	3/8	3/4	K1-8E	1/2	3/4																		
Part No	Tube																																																		
56-3	3/16																																																		
56-4	1/4																																																		
56-5	5/16																																																		
56-6	3/8																																																		
56-8	1/2																																																		
56-10	5/8																																																		
56-12	3/4																																																		
Part No	Tube	Pipe																																																	
K1-4D	1/4	1/2																																																	
K1-4E	1/4	3/4																																																	
K1-6E	3/8	3/4																																																	
K1-8E	1/2	3/4																																																	
Sealing Bonnet (copper) 	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>57-3</td><td>3/16</td></tr><tr><td>57-4</td><td>1/4</td></tr><tr><td>57-5</td><td>5/16</td></tr><tr><td>57-6</td><td>3/8</td></tr><tr><td>57-8</td><td>1/2</td></tr><tr><td>57-10</td><td>5/8</td></tr><tr><td>57-12</td><td>3/4</td></tr></table>	Part No	Tube	57-3	3/16	57-4	1/4	57-5	5/16	57-6	3/8	57-8	1/2	57-10	5/8	57-12	3/4	Female Branch Tee (tube all ends) 																																	
Part No	Tube																																																		
57-3	3/16																																																		
57-4	1/4																																																		
57-5	5/16																																																		
57-6	3/8																																																		
57-8	1/2																																																		
57-10	5/8																																																		
57-12	3/4																																																		
	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>59-3</td><td>3/16</td></tr><tr><td>59-4</td><td>1/4</td></tr><tr><td>59-5</td><td>5/16</td></tr><tr><td>59-6</td><td>3/8</td></tr><tr><td>59-8</td><td>1/2</td></tr><tr><td>59-10</td><td>5/8</td></tr><tr><td>59-12</td><td>3/4</td></tr></table>	Part No	Tube	59-3	3/16	59-4	1/4	59-5	5/16	59-6	3/8	59-8	1/2	59-10	5/8	59-12	3/4	<table><tr><th>Part No</th><th>Female</th><th>Male</th></tr><tr><td>T6-4</td><td>1/4</td><td>1/4</td></tr></table>	Part No	Female	Male	T6-4	1/4	1/4																											
Part No	Tube																																																		
59-3	3/16																																																		
59-4	1/4																																																		
59-5	5/16																																																		
59-6	3/8																																																		
59-8	1/2																																																		
59-10	5/8																																																		
59-12	3/4																																																		
Part No	Female	Male																																																	
T6-4	1/4	1/4																																																	

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

This economical fitting is available in a broad range of styles and sizes. Easy to assemble, there is no special tube preparation required.

Applications

Used with copper and aluminum tubing for low to medium pressure systems where excessive vibration is not a factor. Use with a long nut for additional vibration resistance.

Temperature Range

From -65° to +250° F.

Working Pressures

The table to the right shows maximum recommended working pressure at 72° F, using seamless copper tubing ASTM-B-75 (30,000 P.S.I. tensile strength). This table is intended to be used as a guide only.

Assembly Instructions

- 1) Cut tubing squarely.
- 2) Slide compression nut, then sleeve onto tubing. The threaded end of the nut must face tube end.
- 3) Insert the tubing into the fitting body. The tube must bottom out on the tube stop built into the fitting body.
- 4) Assemble nut to body and tighten hand-tight.
- 5) Follow the number of wrench turns as indicated in the chart to the right.

Working Pressure Ranges

Tube Outside Diameter	Tube Wall Thickness	Maximum Working Pressure
inches	inches	P.S.I.
1/8	0.030	400
3/16	0.030	400
1/4	0.030	300
5/16	0.032	300
3/8	0.032	200
1/2	0.032	200
5/8	0.035	150
3/4	0.035	100
7/8	0.035	75

Final Assembly Instructions

Tube Outside Diameter	Turns with wrench to seal from hand-tight
inches	
1/8	1-1/4
3/16	1-1/4
1/4	1-1/4
5/16	1-1/2
3/8	2-1/4
1/2	2-1/2
5/8	2-1/2
3/4	2-1/2
7/8	2-1/2

RACCORD À COMPRESSION STANDARD STANDARD COMPRESSION FITTINGS

Standard Sleeve

Standard Nut

Cap

Part No	Tube
60-2	1/8
60-5/32	5/32
60-3	3/16
60-4	1/4
60-5	5/16
60-6	3/8
60-7	7/16
60-8	1/2
60-10	5/8
60-12	3/4
60-14	7/8

Part No	Tube
61-2	1/8
61-5/32	5/32
61-3	3/16
61-4	1/4
61-5	5/16
61-6	3/8
61-7	7/16
61-8	1/2
61-10	5/8
61-12	3/4
61-14	7/8

Part No	Tube
C61-4	1/4
C61-6	3/8
C61-8	1/2
C61-10	5/8

In-Line Sleeve

Long Nut

Union
(tube both ends)

Part No	Tube
260-2	1/8
260-3	3/16
260-4	1/4
260-5	5/16
260-6	3/8
260-8	1/2
260-10	5/8

Part No	Tube
161-2	1/8
161-3	3/16
161-4	1/4
161-5	5/16
161-6	3/8
161-7	7/16
161-8	1/2
161-10	5/8
161-12	3/4

Part No	Tube
62-2	1/8
62-5/32	5/32
62-3	3/16
62-4	1/4
62-5	5/16
62-6	3/8
62-7	7/16
62-8	1/2
62-10	5/8
62-12	3/4
62-14	7/8

In-Line Sleeves may be used with standard compression bodies and nuts. When used with copper, aluminum or nylon tubing, higher working pressures can be achieved. To order, prefix a standard part number with the number "2"
eg: 62-6 complete with In-Line Sleeves = Part No. 262-6.

Long Nut Compression Fittings provide additional tube support where minor vibration is a factor. To order, prefix a standard part number with the number "1"
eg: 62-6 complete with long compression nuts = Part No. 162-6.

For the Stainless Steel fittings, add the suffix "S/S" to the above part number.

*** = ce produit est discontinué

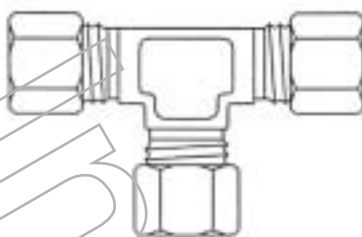
RACCORD À COMPRESSION STANDARD STANDARD COMPRESSION FITTINGS

Reducing Union
(tube both ends)



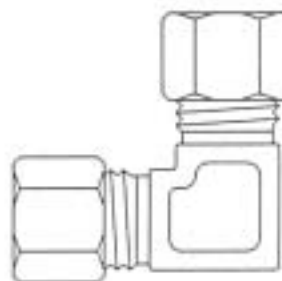
Part No	Tube	Tube
62-3-2 **	3/16	1/8
62-4-2	1/4	1/8
62-4-3	1/4	3/16
62-5-4	5/16	1/4
62-6-4	3/8	1/4
62-6-5	3/8	5/16
62-8-6	1/2	3/8
62-10-6	5/8	3/8
62-10-8	5/8	1/2

Union Tee
(tube all ends)



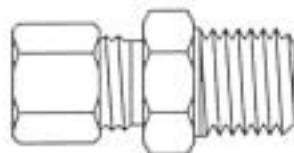
Part No	Tube
64-2	1/8
64-3	3/16
64-4	1/4
64-5	5/16
64-6	3/8
64-7	7/16
64-8	1/2
64-10	5/8
64-12	3/4
64-14	7/8

90° Union Elbow
(tube both ends)



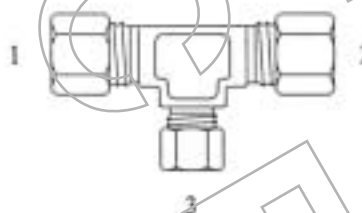
Part No	Tube
65-2	1/8
65-3	3/16
65-4	1/4
65-5	5/16
65-6	3/8
65-7	7/16
65-8	1/2
65-10	5/8
65-12	3/4
65-14	7/8
65-16	1

Ball Check Connector
(tube x male pipe)
(gravity feed)



Part No	Tube	Pipe
63-2A **	1/8	1/8
63-3A **	3/16	1/8
63-4A **	1/4	1/8
63-5A	5/16	1/8
63-6B	3/8	1/4
63-8C	1/2	3/8

Reducing Union Tee
(reducing on branch)

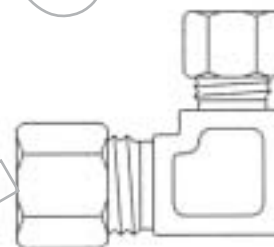


Part No	Tube Size		
	1	2	3
64-4-2	1/4	1/4	1/8
64-4-3	1/4	1/4	3/16
64-6-4	3/8	3/8	1/4
64-8-4	1/2	1/2	1/4
64-8-6	1/2	1/2	3/8
64-10-6	5/8	5/8	3/8
64-10-8	5/8	5/8	1/2

Reducing Union Tee
(reducing on run and branch)

Part No	Tube Size		
	1	2	3
64-6-4-4	3/8	1/4	1/4

90° Reducing Union Elbow
(tube both ends)



Part No	Tube	Tube
65-6-4	3/8	1/4
65-8-6	1/2	3/8
65-10-6	5/8	3/8
65-10-8	5/8	1/2

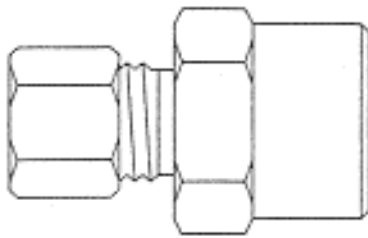
** = ce produit est discontinué

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

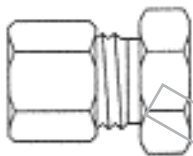
RACCORD À COMPRESSION STANDARD STANDARD COMPRESSION FITTINGS

Female Connector
(tube x female pipe)



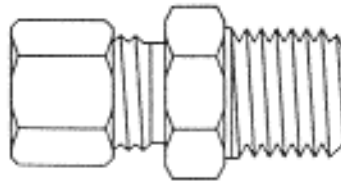
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
66-2X1 **	1/8	1/16
66-2A	1/8	1/8
66-5/32A **	5/32	1/8
66-3A	3/16	1/8
66-3B	3/16	1/4
66-4A	1/4	1/8
66-4B	1/4	1/4
66-4C	1/4	3/8
66-4D	1/4	1/2
66-5A	5/16	1/8
66-5B	5/16	1/4
66-6A	3/8	1/8
66-6B	3/8	1/4
66-6C	3/8	3/8
66-6D	3/8	1/2
66-6E	3/8	3/4
66-7A	7/16	1/8
66-8B	1/2	1/4
66-8C	1/2	3/8
66-8D	1/2	1/2
66-8E	1/2	3/4
66-10C	5/8	3/8
66-10D	5/8	1/2
66-10E	5/8	3/4
66-12D	3/4	1/2
66-12E	3/4	3/4
66-14E	7/8	3/4

Sealing Plug



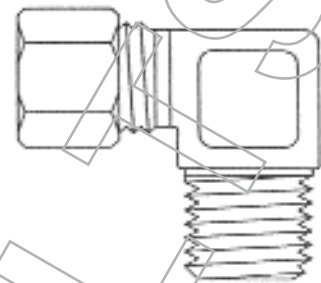
<u>Part No</u>	<u>Tube</u>
67-4	1/4
67-6 **	3/8

Male Connector
(tube x male pipe)



<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
68-2X1	1/8	1/16
68-2A	1/8	1/8
68-5/32X1	5/32	1/16
68-5/32A	5/32	1/8
68-3A	3/16	1/8
68-3B	3/16	1/4
68-4A	1/4	1/8
68-4B	1/4	1/4
68-4C	1/4	3/8
68-4D	1/4	1/2
68-5A	5/16	1/8
68-5B	5/16	1/4
68-5C	5/16	3/8
68-5D **	5/16	1/2
68-6A	3/8	1/8
68-6B	3/8	1/4
68-6C	3/8	3/8
68-6D	3/8	1/2
68-6E	3/8	3/4
68-7B	7/16	1/4
68-7C	7/16	3/8
68-8B	1/2	1/4
68-8C	1/2	3/8
68-8D	1/2	1/2
68-8E	1/2	3/4
68-10C	5/8	3/8
68-10D	5/8	1/2
68-10E	5/8	3/4
68-12D	3/4	1/2
68-12E	3/4	3/4
68-14D	7/8	1/2
68-14E	7/8	3/4
68-16E	1	3/4
68-16F	1	1

90° Male Elbow
(tube x male pipe)

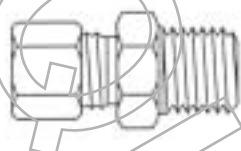


<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
69-2X1	1/8	1/16
69-2A	1/8	1/8
69-5/32X1 **	5/32	1/16
69-5/32A	5/32	1/8
69-3A	3/16	1/8
69-3B	3/16	1/4
69-4A	1/4	1/8
69-4B	1/4	1/4
69-4C	1/4	3/8
69-4D	1/4	1/2
69-5A	5/16	1/8
69-5B	5/16	1/4
69-5C	5/16	3/8
69-6A	3/8	1/8
69-6B	3/8	1/4
69-6C	3/8	3/8
69-6D	3/8	1/2
69-6E	3/8	3/4
69-7B	7/16	1/4
69-7C	7/16	3/8
69-8B	1/2	1/4
69-8C	1/2	3/8
69-8D	1/2	1/2
69-8E	1/2	3/4
69-10C	5/8	3/8
69-10D	5/8	1/2
69-10E	5/8	3/4
69-12D	3/4	1/2
69-12E	3/4	3/4
69-14E	7/8	3/4
69-16E	1	3/4

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

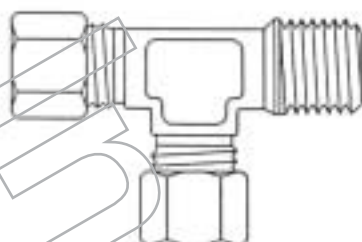
RACCORD À COMPRESSION STANDARD STANDARD COMPRESSION FITTINGS

Oil Tank Connector
(tube x male pipe
without tube stop)



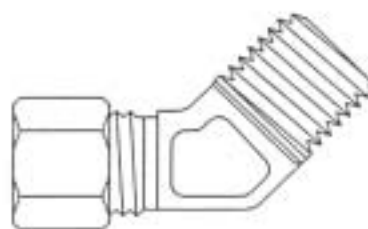
Part No	Tube	Pipe
T68-4A	1/4	1/8
T68-4B	1/4	1/4
T68-4C	1/4	3/8
T68-5B	5/16	1/4
T68-6B	3/8	1/4
T68-6C	3/8	3/8
T68-6D	3/8	1/2
T68-8C	1/2	3/8
T68-8D	1/2	1/2
T68-10D	5/8	1/2
T68-12E	3/4	3/4

Male Run Tee
(tube x male pipe
x tube)



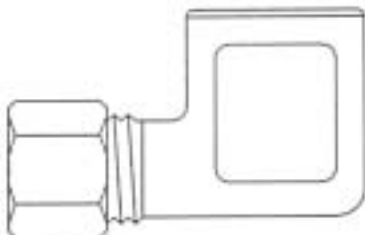
Part No	Tube	Pipe
71-2A	1/8	1/8
71-3A	3/16	1/8
71-4A	1/4	1/8
71-4B	1/4	1/4
71-5A	5/16	1/8
71-5B	5/16	1/4
71-6A	3/8	1/8
71-6B	3/8	1/4
71-6C	3/8	3/8
71-8C	1/2	3/8
71-8D	1/2	1/2
71-10D	5/8	1/2
71-12D	3/4	1/2

45° Male Elbow
(tube x male pipe)



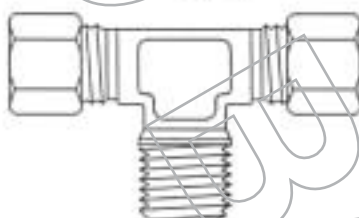
Part No	Tube	Pipe
74-3A	3/16	1/8
74-4A	1/4	1/8
74-4B	1/4	1/4
74-5A	5/16	1/8
74-5B	5/16	1/4
74-6A	3/8	1/8
74-6B	3/8	1/4
74-6C	3/8	3/8
74-6D	3/8	1/2
74-8C	1/2	3/8
74-8D	1/2	1/2
74-12D	5/8	1/2

90° Female Elbow
(tube x female pipe)



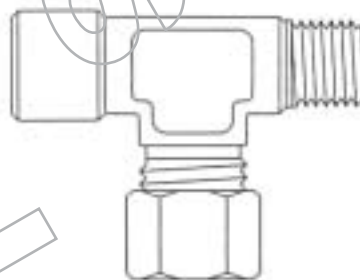
Part No	Tube	Pipe
70-2A	1/8	1/8
70-3A	3/16	1/8
70-4A	1/4	1/8
70-4B	1/4	1/4
70-4C	1/4	3/8
70-4D	**	1/2
70-5A	5/16	1/8
70-5B	5/16	1/4
70-6A	3/8	1/8
70-6B	3/8	1/4
70-6C	3/8	3/8
70-6D	3/8	1/2
70-6E	3/8	3/4
70-8B	1/2	1/4
70-8C	1/2	3/8
70-8D	1/2	1/2
70-8E	1/2	3/4
70-10D	5/8	1/2
70-12D	3/4	1/2

Male Branch Tee
(tube x tube
x male pipe)



Part No	Tube	Pipe
72-2A	1/8	1/8
72-3A	3/16	1/8
72-4A	1/4	1/8
72-4B	1/4	1/4
72-5A	5/16	1/8
72-5B	5/16	1/4
72-6A	3/8	1/8
72-6B	3/8	1/4
72-6C	3/8	3/8
72-8C	1/2	3/8
72-8D	1/2	1/2
72-10D	5/8	1/2
72-12D	3/4	1/2
72-12E	3/4	3/4

Street Tee
(female pipe x male pipe
x tube)

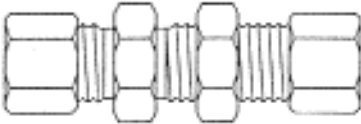
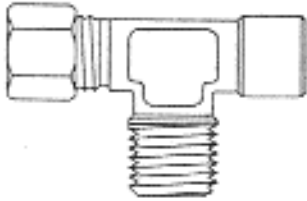
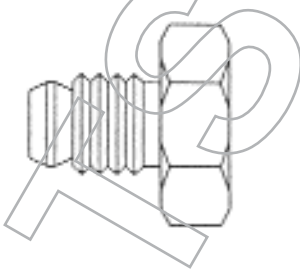
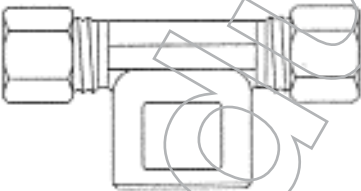


Part No	Tube	Pipe
76-2A	1/8	1/8
76-3A	3/16	1/8
76-4A	1/4	1/8
76-4B	1/4	1/4
76-5A	5/16	1/8
76-6B	3/8	1/4

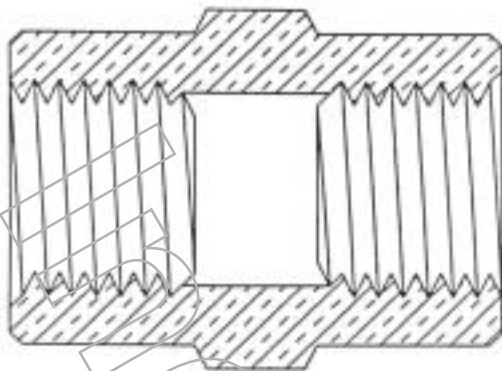
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

RACCORD À COMPRESSION STANDARD STANDARD COMPRESSION FITTINGS

<i>Bulkhead Union (tube both ends)</i> 	<i>Tee (tube x female pipe x male pipe)</i> 	<i>Pilot Line Nut (breakaway sleeve)</i> 
<u>Part No</u> 77-4 77-5 77-6 77-8	<u>Tube</u> 1/4 5/16 3/8 1/2	<u>Part No</u> 79-4A 79-4B <u>Tube</u> 1/4 1/4 <u>Pipe</u> 1/8 1/4
<i>Female Branch Tee (tube x tube x female pipe)</i> 	<i>Gauge Tee (tube x male pipe x female pipe)</i> 	<u>Part No</u> 81-4N <u>Tube</u> 1/4
<u>Part No</u> 78-4A 78-4B 78-6B 78-10A	<u>Tube</u> 1/4 1/4 3/8 5/8 <u>Pipe</u> 1/8 1/4 1/4 1/8	<u>Part No</u> 81-2A 81-4A <u>Tube</u> 1/8 1/4 <u>Pipe</u> 1/8 1/8

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Available in a wide variety of shapes and sizes. Many of the shapes are available as either an extrusion or as a forging. Sizes over 3/4 N.P.T. are generally supplied as a cast fitting. Please specify if these are not suitable for your application.

Applications

Used with copper, iron or brass pipe. Manufactured for use in low to medium pressure line work.

Vibration

Fair resistance to pipe movement and vibration.

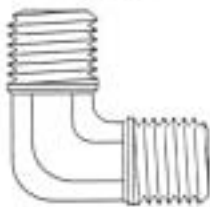
Pressure and Temperature Range

From -65° to +250° .
Bar stock, extruded and forged fittings up to 3/4 N.P.T. have a maximum working pressure of 1200 P.S.I.. Cast fittings are designed and tested to a working pressure of 125 P.S.I..

Assembly Instructions

When not objectionable to the application, Teflon tape or pipe sealing compound should be used to ensure a leak-proof joint. Assemble components hand tight, then tighten an additional 2-1/2 - 3-1/2 turns with a wrench.

Forged 90° Male Elbow



Part No	Pipe
99-A	1/8
99-B	1/4
99-C	3/8
99-D	1/2

Reducing

Part No	Pipe	Pipe
99-BA	1/4	1/8
99-CA	3/8	1/8
99-CB	3/8	1/4
99-DC	1/2	3/8

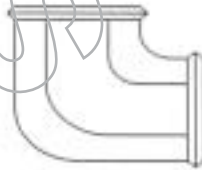
90° Female Elbow

Disponible Cast Brass (C) devant No. Produit



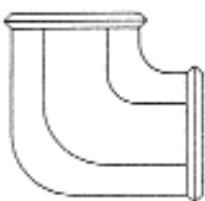
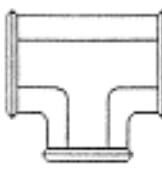
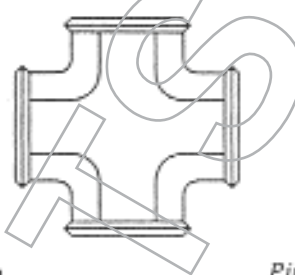
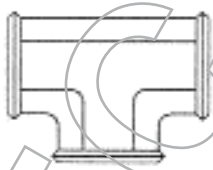
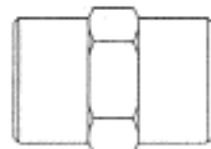
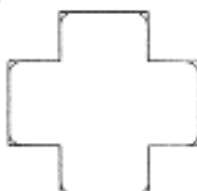
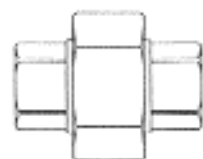
Part No	Pipe
100-A	1/8
100-B	1/4
100-C	3/8
100-D	1/2
100-E	3/4
100-F	1
100-G	1-1/4
100-H	1-1/2
100-I	2

90° Reducing Female Elbow

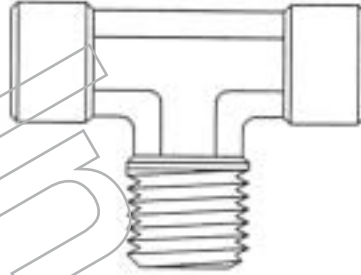
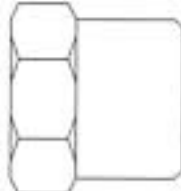


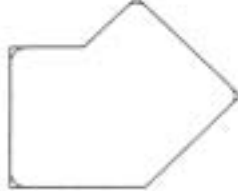
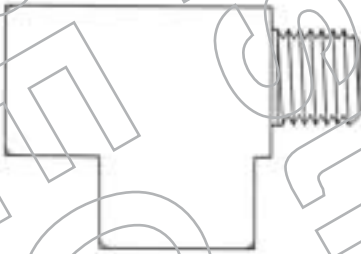
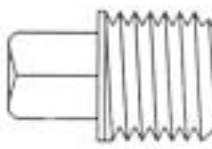
Part No	Pipe	Pipe
100-BA	1/4	1/8
100-CB	3/8	1/4
100-DC	1/2	3/8
100-ED	3/4	1/2
100-FD	1	1/2
100-FE	1	3/4

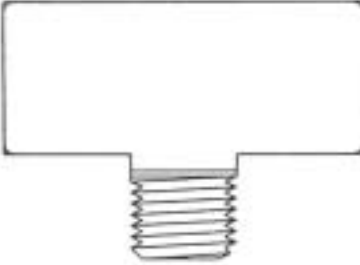
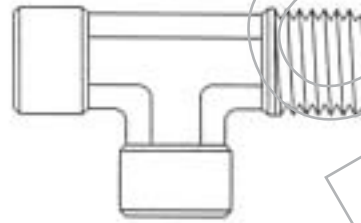
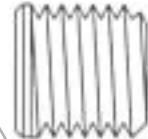
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

90° Forged Female Elbow 	Reducing Female Tee 	Forged Female Cross 																																																																														
<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>FO100-A</td><td>1/8</td></tr><tr><td>FO100-B</td><td>1/4</td></tr><tr><td>FO100-C</td><td>3/8</td></tr><tr><td>FO100-D</td><td>1/2</td></tr><tr><td>FO100-E</td><td>3/4</td></tr></table>	Part No	Pipe	FO100-A	1/8	FO100-B	1/4	FO100-C	3/8	FO100-D	1/2	FO100-E	3/4	<table><tr><th>Part No</th><th>1</th><th>2</th><th>3</th></tr><tr><td>101-BA</td><td>1/4</td><td>1/4</td><td>1/8</td></tr><tr><td>101-DC</td><td>1/2</td><td>1/2</td><td>3/8</td></tr><tr><td>101-EB</td><td>3/4</td><td>3/4</td><td>1/4</td></tr><tr><td>101-ED</td><td>3/4</td><td>3/4</td><td>1/2</td></tr><tr><td>101-EDD</td><td>3/4</td><td>1/2</td><td>1/2</td></tr><tr><td>101-EDE</td><td>3/4</td><td>1/2</td><td>3/4</td></tr><tr><td>101-FE</td><td>1</td><td>1</td><td>3/4</td></tr><tr><td>101-FDF</td><td>1</td><td>1/2</td><td>1</td></tr><tr><td>101-FEE</td><td>1</td><td>3/4</td><td>3/4</td></tr><tr><td>101-GF</td><td>1-1/4</td><td>1-1/4</td><td>1</td></tr><tr><td>101-GEG</td><td>1-1/4</td><td>3/4</td><td>1-1/4</td></tr><tr><td>101-HD</td><td>1-1/2</td><td>1-1/2</td><td>1/2</td></tr><tr><td>101-IF</td><td>2</td><td>2</td><td>1</td></tr></table>	Part No	1	2	3	101-BA	1/4	1/4	1/8	101-DC	1/2	1/2	3/8	101-EB	3/4	3/4	1/4	101-ED	3/4	3/4	1/2	101-EDD	3/4	1/2	1/2	101-EDE	3/4	1/2	3/4	101-FE	1	1	3/4	101-FDF	1	1/2	1	101-FEE	1	3/4	3/4	101-GF	1-1/4	1-1/4	1	101-GEG	1-1/4	3/4	1-1/4	101-HD	1-1/2	1-1/2	1/2	101-IF	2	2	1	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>FO102-A</td><td>1/8</td></tr><tr><td>FO102-B</td><td>1/4</td></tr><tr><td>FO102-C</td><td>3/8</td></tr><tr><td>FO102-D</td><td>1/2</td></tr></table>	Part No	Pipe	FO102-A	1/8	FO102-B	1/4	FO102-C	3/8	FO102-D	1/2
Part No	Pipe																																																																															
FO100-A	1/8																																																																															
FO100-B	1/4																																																																															
FO100-C	3/8																																																																															
FO100-D	1/2																																																																															
FO100-E	3/4																																																																															
Part No	1	2	3																																																																													
101-BA	1/4	1/4	1/8																																																																													
101-DC	1/2	1/2	3/8																																																																													
101-EB	3/4	3/4	1/4																																																																													
101-ED	3/4	3/4	1/2																																																																													
101-EDD	3/4	1/2	1/2																																																																													
101-EDE	3/4	1/2	3/4																																																																													
101-FE	1	1	3/4																																																																													
101-FDF	1	1/2	1																																																																													
101-FEE	1	3/4	3/4																																																																													
101-GF	1-1/4	1-1/4	1																																																																													
101-GEG	1-1/4	3/4	1-1/4																																																																													
101-HD	1-1/2	1-1/2	1/2																																																																													
101-IF	2	2	1																																																																													
Part No	Pipe																																																																															
FO102-A	1/8																																																																															
FO102-B	1/4																																																																															
FO102-C	3/8																																																																															
FO102-D	1/2																																																																															
Female Tee Disponible Cast Brass (C) devant No. Produit 	Forged Female Tee 	Female Coupling Disponible Cast Brass (C) devant No. Produit 																																																																														
<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>101-A</td><td>1/8</td></tr><tr><td>101-B</td><td>1/4</td></tr><tr><td>101-C</td><td>3/8</td></tr><tr><td>101-D</td><td>1/2</td></tr><tr><td>101-E</td><td>3/4</td></tr><tr><td>101-F</td><td>1</td></tr><tr><td>101-G</td><td>1-1/4</td></tr><tr><td>101-H</td><td>1-1/2</td></tr><tr><td>101-I</td><td>2</td></tr></table>	Part No	Pipe	101-A	1/8	101-B	1/4	101-C	3/8	101-D	1/2	101-E	3/4	101-F	1	101-G	1-1/4	101-H	1-1/2	101-I	2	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>FO101-A</td><td>1/8</td></tr><tr><td>FO101-B</td><td>1/4</td></tr><tr><td>FO101-C</td><td>3/8</td></tr><tr><td>FO101-D</td><td>1/2</td></tr><tr><td>FO101-E</td><td>3/4</td></tr></table>	Part No	Pipe	FO101-A	1/8	FO101-B	1/4	FO101-C	3/8	FO101-D	1/2	FO101-E	3/4	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>103-A</td><td>1/8</td></tr><tr><td>103-B</td><td>1/4</td></tr><tr><td>103-C</td><td>3/8</td></tr><tr><td>103-D</td><td>1/2</td></tr><tr><td>103-E</td><td>3/4</td></tr><tr><td>103-F</td><td>1</td></tr><tr><td>103-G</td><td>1-1/4</td></tr><tr><td>103-H</td><td>1-1/2</td></tr><tr><td>103-I</td><td>2</td></tr></table>	Part No	Pipe	103-A	1/8	103-B	1/4	103-C	3/8	103-D	1/2	103-E	3/4	103-F	1	103-G	1-1/4	103-H	1-1/2	103-I	2																										
Part No	Pipe																																																																															
101-A	1/8																																																																															
101-B	1/4																																																																															
101-C	3/8																																																																															
101-D	1/2																																																																															
101-E	3/4																																																																															
101-F	1																																																																															
101-G	1-1/4																																																																															
101-H	1-1/2																																																																															
101-I	2																																																																															
Part No	Pipe																																																																															
FO101-A	1/8																																																																															
FO101-B	1/4																																																																															
FO101-C	3/8																																																																															
FO101-D	1/2																																																																															
FO101-E	3/4																																																																															
Part No	Pipe																																																																															
103-A	1/8																																																																															
103-B	1/4																																																																															
103-C	3/8																																																																															
103-D	1/2																																																																															
103-E	3/4																																																																															
103-F	1																																																																															
103-G	1-1/4																																																																															
103-H	1-1/2																																																																															
103-I	2																																																																															
	Female Cross Disponible Cast Brass (C) devant No. Produit 	3 Piece Union Coupling Disponible Cast Brass (C) devant No. Produit 																																																																														
	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>102-A</td><td>1/8</td></tr><tr><td>102-B</td><td>1/4</td></tr><tr><td>102-C</td><td>3/8</td></tr><tr><td>102-D</td><td>1/2</td></tr><tr><td>102-E</td><td>3/4</td></tr></table>	Part No	Pipe	102-A	1/8	102-B	1/4	102-C	3/8	102-D	1/2	102-E	3/4	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>104-A</td><td>1/8</td></tr><tr><td>104-B</td><td>1/4</td></tr><tr><td>104-C</td><td>3/8</td></tr><tr><td>104-D</td><td>1/2</td></tr><tr><td>104-E</td><td>3/4</td></tr><tr><td>104-F</td><td>1</td></tr><tr><td>104-G</td><td>1-1/4</td></tr><tr><td>104-H</td><td>1-1/2</td></tr><tr><td>104-I</td><td>2</td></tr></table>	Part No	Pipe	104-A	1/8	104-B	1/4	104-C	3/8	104-D	1/2	104-E	3/4	104-F	1	104-G	1-1/4	104-H	1-1/2	104-I	2																																														
Part No	Pipe																																																																															
102-A	1/8																																																																															
102-B	1/4																																																																															
102-C	3/8																																																																															
102-D	1/2																																																																															
102-E	3/4																																																																															
Part No	Pipe																																																																															
104-A	1/8																																																																															
104-B	1/4																																																																															
104-C	3/8																																																																															
104-D	1/2																																																																															
104-E	3/4																																																																															
104-F	1																																																																															
104-G	1-1/4																																																																															
104-H	1-1/2																																																																															
104-I	2																																																																															

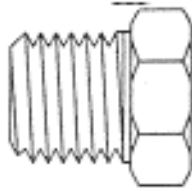
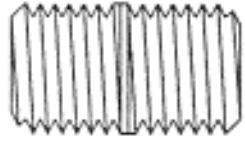
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Forged 3 Piece Union Coupling 		Forged Male Branch Tee 		Pipe Cap Disponible Cast Brass (C) devant No. Produit 		
<u>Part No</u>	<u>Pipe</u>	<u>Part No</u>	<u>Pipe</u>	<u>Part No</u>	<u>Pipe</u>	
FO104-D	1/2	FO106-A	1/8	108-A	1/8	
FO104-E	3/4	FO106-B	1/4	108-B	1/4	
		FO106-C	3/8	108-C	3/8	
		FO106-D	1/2	108-D	1/2	
				108-E	3/4	
				108-F	1	

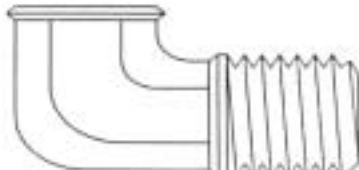
45° Female Elbow Disponible Cast Brass (C) devant No. Produit 		Street Tee 		Square Head Plug Disponible Cast Brass (C) devant No. Produit 		
<u>Part No</u>	<u>Pipe</u>	<u>Part No</u>	<u>Pipe</u>	<u>Part No</u>	<u>Pipe</u>	
105-A	1/8	107-A	1/8	109-A	1/8	
105-B	1/4	107-B	1/4	109-B	1/4	
105-C	3/8	107-C	3/8	109-C	3/8	
105-D	1/2	107-D	1/2	109-D	1/2	
105-E	3/4	107-E	3/4	109-E	3/4	
105-F	1			109-F	1	
105-G	1-1/4			109-G	1-1/4	
105-H	1-1/2			109-H	1-1/2	
105-I	2			109-I	2	
				109-J	2-1/2	

Male Branch Tee 		Forged Street Tee 		Flush Face Bushing 		
<u>Part No</u>	<u>Pipe</u>	<u>Part No</u>	<u>Pipe</u>	<u>Part No</u>	<u>Male</u>	<u>Female</u>
106-A	1/8	FO107-A	1/8	110FB-BA **	1/4	1/8
106-B	1/4	FO107-B	1/4	110FB-CB **	3/8	1/4
106-C	3/8	FO107-C	3/8	110FB-DB **	1/2	1/4
106-D	1/2	FO107-D	1/2	110FB-DC	1/2	3/8
				110FB-ED	3/4	1/2

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

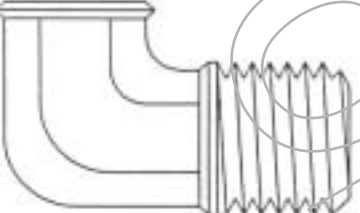
<i>Pipe Bushing (female x male pipe)</i> Disponible Cast Brass (C) devant No. Produit 			<i>Close Nipple</i> 			<i>Long Nipple</i>  3/8-18 N.P.T.		
<i>Part No</i> <i>Male</i> <i>Female</i>			<i>Part No</i> <i>Pipe</i>			<i>Part No</i> <i>Pipe</i> <i>Length</i>		
110-A10/32 **	1/8	10/32	112-A	1/8		113-C1½	3/8	1-1/2
110-A1	1/8	1/16	112-B	1/4		113-C2	3/8	2
110-BA	1/4	1/8	112-C	3/8		113-C2½	3/8	2-1/2
110-CA	3/8	1/8	112-D	1/2		113-C3	3/8	3
110-CB	3/8	1/4	112-E	3/4		113-C3½	3/8	3-1/2
110-DA	1/2	1/8	112-F	1		113-C4	3/8	4
110-DB	1/2	1/4	112-G	1-1/4		113-C4½	3/8	4-1/2
110-DC	1/2	3/8	112-H	1-1/2		113-C5	3/8	5
110-EA	3/4	1/8	112-I	2		113-C5½	3/8	5-1/2
110-EB	3/4	1/4	<i>Long Nipple</i> 			113-C6	3/8	6
110-EC	3/4	3/8						
110-ED	3/4	1/2	1/8-27 N.P.T.			1/2-14 N.P.T.		
110-FA	1	1/8						
110-FB	1	1/4	<i>Part No</i> <i>Pipe</i> <i>Length</i>			<i>Part No</i> <i>Pipe</i> <i>Length</i>		
110-FC	1	3/8						
110-FD	1	1/2	113-A1½	1/8	1-1/2	113-D1½	1/2	1-1/2
110-FE	1	3/4	113-A2	1/8	2	113-D2	1/2	2
110-GD	1-1/4	1/2	113-A2½	1/8	2-1/2	113-D2½	1/2	2-1/2
110-GE	1-1/4	3/4	113-A3	1/8	3	113-D3	1/2	3
110-GF	1-1/4	1	113-A3½	1/8	3-1/2	113-D3½	1/2	3-1/2
110-HF	1-1/2	1	113-A4	1/8	4	113-D4	1/2	4
110-HG	1-1/2	1-1/4	113-A4½	1/8	4-1/2	113-D4½	1/2	4-1/2
110-IG	2	1-1/4	113-A5	1/8	5	113-D5	1/2	5
110-IH	2	1-1/2	113-A5½	1/8	5-1/2	113-D5½	1/2	5-1/2
<i>Locknut (NPSL thread)</i> 			1/4-18 N.P.T.			3/4-14 N.P.T.		
<i>Part No</i> <i>Pipe</i>			<i>Part No</i> <i>Pipe</i> <i>Length</i>			<i>Part No</i> <i>Pipe</i> <i>Length</i>		
111-A	1/8		113-B1½	1/4	1-1/2	113-E1½	3/4	1-1/2
111-B	1/4		113-B2	1/4	2	113-E2	3/4	2
111-C	3/8		113-B2½	1/4	2-1/2	113-E2½	3/4	2-1/2
111-D	1/2		113-B3	1/4	3	113-E3	3/4	3
111-E	3/4		113-B3½	1/4	3-1/2	113-E3½	3/4	3-1/2
			113-B4	1/4	4	113-E4	3/4	4
			113-B4½	1/4	4-1/2	113-E4½	3/4	4-1/2
			113-B5	1/4	5	113-E5	3/4	5
			113-B5½	1/4	5-1/2	113-E5½	3/4	5-1/2
			113-B6	1/4	6	113-E6	3/4	6

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Long Nipple 			Custom made long pipe nipples are available in sizes up to 4" pipe and in lengths of up to 12 feet. Schedule 80 and threaded one end only nipples can also be produced. Please contact our order desk for more information.			90° Forged Reducing Street Elbow 		
1-11½ N.P.T.			90° Extruded Street Elbow 					
Part No	Pipe	Length				Part No	Female	Male
113-F2	1	2				116-CD	3/8	1/2
113-F2½	1	2-1/2				116-DC	1/2	3/8
113-F3	1	3						
113-F3½	1	3-1/2						
113-F4	1	4						
113-F4½	1	4-1/2						
113-F5	1	5						
113-F5½	1	5-1/2						
113-F6	1	6						

1¼-11½ N.P.T.			Part No			Pipe		
Part No	Pipe	Length	115-A	1/8				
113-G2	1-1/4	2	115-B	1/4				
113-G2½	1-1/4	2 -1/2	115-C	3/8				
113-G3	1-1/4	3	115-D	1/2				
113-G3½	1-1/4	3-1/2	115-E	3/4				
113-G4	1-1/4	4						
113-G4½	1-1/4	4-1/2						
113-G5	1-1/4	5						
113-G5½	1-1/4	5-1/2						
113-G6	1-1/4	6						

1½-11½ N.P.T.			Reducing			Slotted Pipe Plug 		
Part No	Pipe	Length	Part No	Female	Male	Part No	Pipe	
113-H2	1-1/2	2	115-BA	1/4	1/8	117-A	1/8	
113-H2½	1-1/2	2-1/2				117-B	1/4	
113-H3	1-1/2	3				117-C	3/8	
113-H3½	1-1/2	3-1/2						
113-H4	1-1/2	4						
113-H4½	1-1/2	4-1/2						
113-H5	1-1/2	5						
113-H5½	1-1/2	5-1/2						
113-H6	1-1/2	6						

1½-11½ N.P.T.			90° Forged or Cast Street Elbow 			Countersunk Pipe Plug 		
Part No	Pipe	Length	Part No	Pipe	Part No	Pipe		
113-I2	1-1/2	2	116-A	1/8	118-1/16	1/16		
113-I2½	1-1/2	2-1/2	116-B	1/4	118-A	1/8		
113-I3	1-1/2	3	116-C	3/8	118-B	1/4		
113-I3½	1-1/2	3-1/2	116-D	1/2	118-C	3/8		
113-I4	1-1/2	4	116-E	3/4	118-D	1/2		
113-I4½	1-1/2	4-1/2	116-F	1	118-E	3/4		
113-I5	1-1/2	5	116-G	1-1/4	118-F	1		
113-I5½	1-1/2	5-1/2	116-H	1-1/2	118-G	1-1/4		
113-I6	1-1/2	6			118-H	1-1/2		
					118-I	2		

Disponible Cast Brass
(C) devant No. Produit

Prise Clé Allen

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

<u>Part No</u>	<u>Pipe</u>	<u>Pipe</u>
119-BA	1/4	1/8
119-CA	3/8	1/8
119-CB	3/8	1/4
119-DA	1/2	1/8
119-DB	1/2	1/4
119-DC	1/2	3/8
119-EB	3/4	1/4
119-EC	3/4	3/8
119-ED	3/4	1/2
119-FB	1	1/4
119-FD	1	1/2
119-FE	1	3/4
119-GC C**	1-1/4	3/8
119-GD	1-1/4	1/2
119-GE	1-1/4	3/4
119-GF	1-1/4	1
119-HE	1-1/2	3/4
119-HF	1-1/2	1
119-IH	2	1-1/2

A technical drawing of a bolt and nut assembly. The bolt is shown in a perspective view, with its head on the left and its threaded shank extending to the right. The nut is shown in a perspective view, positioned to the right of the bolt's shank. The drawing is a line drawing with no shading or color.

<u>Part No</u>	<u>Female</u>	<u>Male</u>
120-AA	1/8	1/8
120-BB	1/4	1/4
120-CC	3/8	3/8
120-DD	1/2	1/2
120-EE **	3/4	3/4

A technical drawing of a bolt and nut assembly. The bolt is shown in profile, with a hexagonal head on the left and a threaded shank extending to the right. A nut is shown in profile, with a hexagonal head on the left and a threaded shank extending to the right. The bolt and nut are shown in a perspective view, with the bolt's head and the nut's head facing each other.

<u>Part No</u>	<u>Female</u>	<u>Male</u>
120-A1	1/8	1/16
120-BA	1/4	1/8
120-CA	3/8	1/8
120-CB	3/8	1/4
120-DB	1/2	1/4
120-DC	1/2	3/8
120-EC	3/4	3/8
120-ED	3/4	1/2
120-FE **	1	3/4

A close-up photograph of a metal bolt and nut. The bolt is threaded and has a hexagonal head. The nut is also hexagonal and is being tightened onto the bolt. The image is in black and white and shows the texture of the metal and the threads of the bolt.

<i>Part No</i>	<i>Pipe</i>
121-1/16	1/16
121-A	1/8
121-B	1/4
121-C	3/8
121-D	1/2
121-E	3/4
121-F	1

<u>Part No</u>	<u>Pipe</u>
122-A	1/8
122-B	1/4
122-C	3/8
122-D	1/2
122-E	3/4
122-F	1
122-G	1-1/2

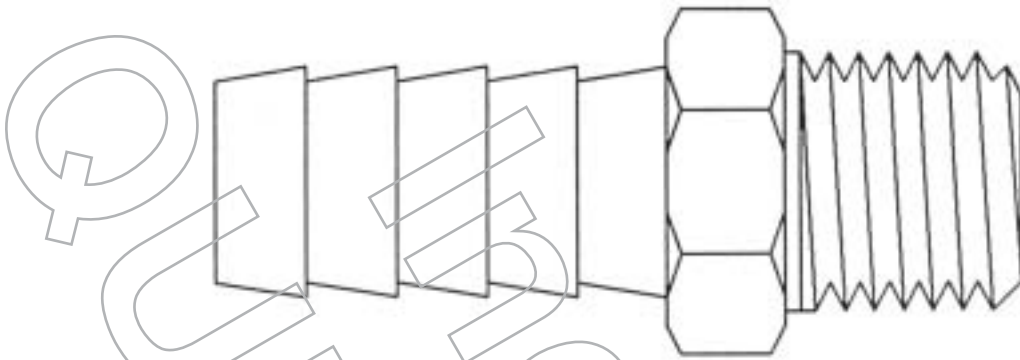
A technical drawing of a bolt and nut assembly. The bolt is on the left, and the nut is on the right. Dimension lines are shown with arrows pointing to the threads of both the bolt and the nut. The drawing is a black and white line drawing.

<u>Part No</u>	<u>Pipe</u>	<u>Pipe</u>
122-BA	1/4	1/8
122-CA	3/8	1/8
122-CB	3/8	1/4
122-DB	1/2	1/4
122-DC	1/2	3/8
122-ED	3/4	1/2
122-FE	1	3/4

<i>Part No</i>	<i>Pipe</i>
124-A	1/8
124-B	1/4
124-C	3/8
124-D	1/2

<u>Part No</u>	<u>Pipe</u>
FOI24-A	1/8
FOI24-B	1/4
FOI24-C	3/8

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Standard hose barbs are made for use with a wide variety of thermoplastic and rubber hose and tubing. A number of clamping systems are also available and generally work well with our standard series hose barbs.

Temperature Range

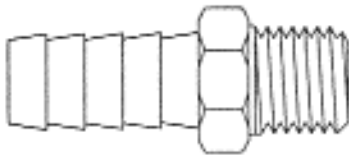
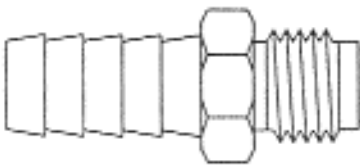
From -40°F to +160°F

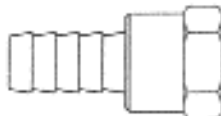
Working Pressures

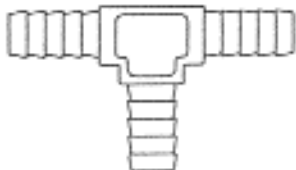
Because of the wide variety of hose, tubing and clamping systems in use, each application must be looked at separately. Generally a hose will burst before the hose barb fails, however at higher pressures fitting retention may become a problem. Refer to the hose manufacturer for specific data if it is available. The suggested maximum working pressure is 150 P.S.I.

Assembly Instructions

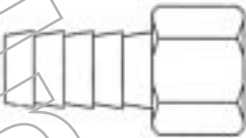
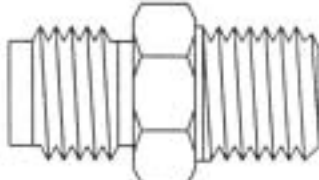
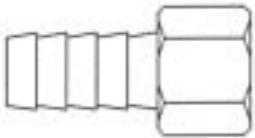
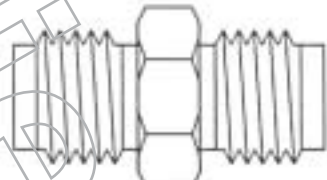
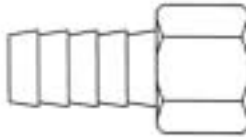
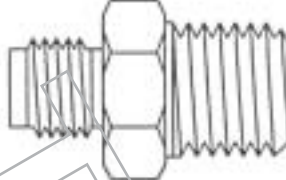
- 1) Cut hose to length cleanly and squarely.
- 2) Slide hose clamp or ferrule onto hose.
- 3) Lubricate hose barb.
- 4) Push hose onto barb until hose bottoms on hex or shoulder.
- 5) Position hose clamp approx 1/4" back from hex and tighten or crimp ferrule.

Hose Barb x Male Pipe 			Hose Barb x Male N.P.S.M. (30° ball seat) 			Hose Barb x Male 45° Flare 		
Part No	Hose I.D.	Pipe	Part No	Hose I.D.	N.P.S.M.	Part No	Hose I.D.	Tube
125-1/16X10/32	1/16	10/32	125ST-4B **	1/4	1/4	127-4X5 **	1/4	5/16
125-2X10/32 **	1/8	10/32	125ST-5B **	5/16	1/4	127-4X6	1/4	3/8
125-2X1	1/8	1/16	125ST-6B	3/8	1/4	127-5X5	5/16	5/16
125-2A	1/8	1/8				127-6X5 **	3/8	5/16
125-2B	1/8	1/4				127-6X6	3/8	3/8
125-3A	3/16	1/8				127-6X8	3/8	1/2
125-3B	3/16	1/4				127-8X8	1/2	1/2
125-3C **	3/16	3/8						
125-4X1 **	1/4	1/16						
125-4A	1/4	1/8						
125-4B	1/4	1/4						
125-4C	1/4	3/8						
125-4D	1/4	1/2						
125-5A	5/16	1/8						
125-5B	5/16	1/4						
125-5C	5/16	3/8						
125-5D **	5/16	1/2						
125-6A	3/8	1/8						
125-6B	3/8	1/4						
125-6C	3/8	3/8						
125-6D	3/8	1/2						
125-6E	3/8	3/4						
125-7C **	7/16	3/8						
125-8B	1/2	1/4						
125-8C	1/2	3/8						
125-8D	1/2	1/2						
125-8E	1/2	3/4						
125-10B	5/8	1/4						
125-10C	5/8	3/8						
125-10D	5/8	1/2						
125-10E	5/8	3/4						
125-12B	3/4	1/4						
125-12C	3/4	3/8						
125-12D	3/4	1/2						
125-12E	3/4	3/4						
125-12F	3/4	1						
125-16D	1	1/2						
125-16E	1	3/4						
125-16F	1	1						

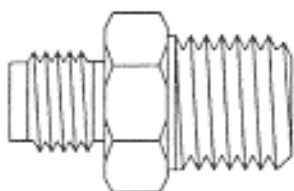
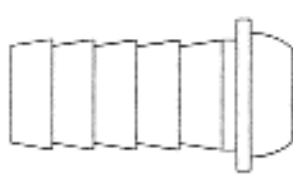
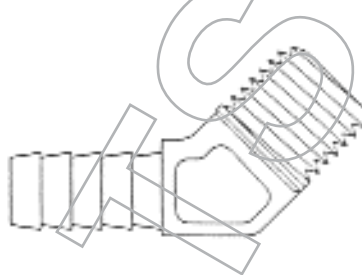
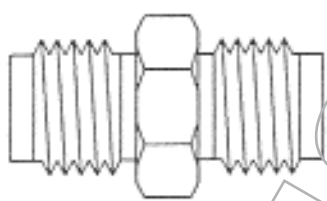
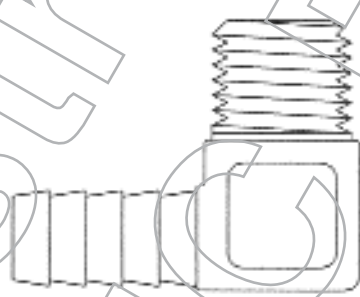
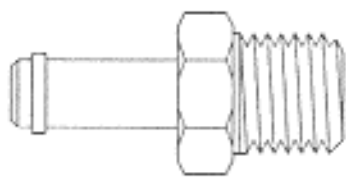
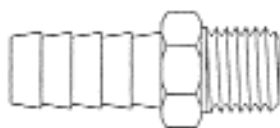
Hose Barb x Female Pipe 			Hose Barb x Female 45° Flare (swivel) 		
Part No	Hose I.D.	Pipe	Part No	Hose I.D.	Tube
126-2A	1/8	1/8	128-3X4	3/16	1/4
126-3A	3/16	1/8	128-4X4	1/4	1/4
126-3B	3/16	1/4	128-4X5	1/4	5/16
126-4A	1/4	1/8	128-4X6	1/4	3/8
126-4B	1/4	1/4	128-5X5	5/16	5/16
126-4C	1/4	3/8	128-5X6	5/16	3/8
126-5A	5/16	1/8	128-6X5 **	3/8	5/16
126-5B	5/16	1/4	128-6X6	3/8	3/8
126-5C	5/16	3/8	128-6X8	3/8	1/2
126-6A	3/8	1/8	128-8X8	1/2	1/2
126-6B	3/8	1/4	128-8X10	1/2	5/8
126-6C	3/8	3/8	128-10X10	5/8	5/8
126-6D	3/8	1/2	128-12X12	3/4	3/4
126-8B	1/2	1/4			
126-8C	1/2	3/8			
126-8D	1/2	1/2			
126-12E	3/4	3/4			
126-16E	1	3/4			

Hose Barb Tee 		Part No	Hose I.D.
		123-4	1/4
		123-5	5/16
		123-6	3/8

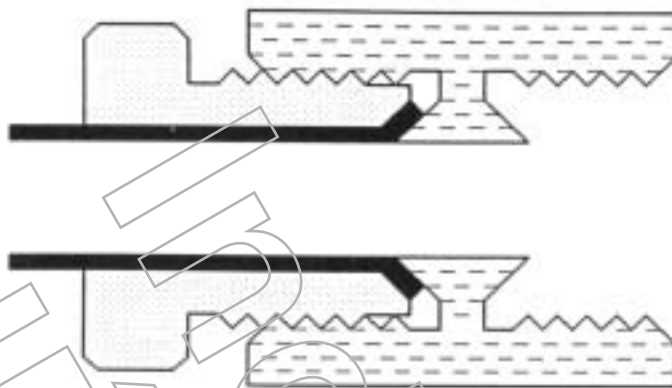
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Hose Mender 			Swivel Hose Barb x Female N.P.S.M. (30° ball seat) 			30° Ball Seat Connector (N.P.S.M. x Male N.P.T.F.) 		
<u>Part No</u>	<u>Hose I.D.</u>		<u>Part No</u>	<u>Hose I.D.</u>	<u>NPSM</u>	<u>Part No</u>	<u>NPSM</u>	<u>Taper</u>
129-3	3/16		131-2A	1/8	1/8	134-AA	1/8	1/8
129-4	1/4		131-3A	3/16	1/8	134-BA	1/4	1/8
129-5	5/16		131-3B	3/16	1/4	134-BB	1/4	1/4
129-6	3/8		131-4A	1/4	1/8	134-BC **	1/4	3/8
129-8	1/2		131-4B	1/4	1/4	134-CB	3/8	1/4
129-10	5/8		131-4C	1/4	3/8	134-CC	3/8	3/8
129-12	3/4		131-5B	5/16	1/4	134-CD	3/8	1/2
129-16	1		131-6B	3/8	1/4	134-DC	1/2	3/8
			131-6C	3/8	3/8	134-DD	1/2	1/2
			131-6D	3/8	1/2	134-EE	3/4	3/4
			131-8C	1/2	3/8			
			131-8D	1/2	1/2			
			131-12E	3/4	3/4			
Swivel Hose Barb x Female N.P.S.M. (gasket seal) 			Hose Barb x 9/16-18 R.H. (oxygen type "b") 			30° Ball Seat Hex Nipple (N.P.S.M. both ends) 		
<u>Part No</u>	<u>Hose I.D.</u>	<u>NPSM</u>	<u>Part No</u>	<u>Hose I.D.</u>		<u>Part No</u>	<u>NPSM</u>	
130-2A	1/8	1/8	132-3R	3/16		134ST-BB	1/4	
130-3A	3/16	1/8	132-4R	1/4		134ST-CC	3/8	
130-3B	3/16	1/4	132-5R	5/16		134ST-DD	1/2	
130-4A	1/4	1/8	132-6R	3/8		134ST-EE	3/4	
130-4B	1/4	1/4						
130-4C	1/4	3/8						
130-5B	5/16	1/4						
130-6B	3/8	1/4						
130-6C	3/8	3/8						
130-6D	3/8	1/2						
130-8C	1/2	3/8						
130-8D	1/2	1/2						
Hose Barb x 9/16-18 L.H. (acetylene type "b") 			Acetylene Adaptor (9/16-18 L.H. x Male Pipe) 					
			<u>Part No</u>	<u>Hose I.D.</u>		<u>Part No</u>	<u>Pipe</u>	
			133-3L	3/16		135-LA	1/8	
			133-4L	1/4		135-LB	1/4	
			133-5L	5/16		135-LC	3/8	
			133-6L	3/8				

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Oxygen Adaptor (9/16-18 R.H. x male pipe) 	Oxygen / Acetylene Hose Barb 	45° Hose Barb x Male Pipe 																																																																																										
<table><tr><th><u>Part No</u></th><th><u>Pipe</u></th></tr><tr><td>135-RA</td><td>1/8</td></tr><tr><td>135-RB</td><td>1/4</td></tr><tr><td>135-RC</td><td>3/8</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	135-RA	1/8	135-RB	1/4	135-RC	3/8	<table><tr><th><u>Part No</u></th><th><u>Hose I.D.</u></th></tr><tr><td>138-3</td><td>3/16</td></tr><tr><td>138-4</td><td>1/4</td></tr><tr><td>138-5</td><td>5/16</td></tr><tr><td>138-6</td><td>3/8</td></tr></table>	<u>Part No</u>	<u>Hose I.D.</u>	138-3	3/16	138-4	1/4	138-5	5/16	138-6	3/8	<table><tr><th><u>Part No</u></th><th><u>Hose I.D.</u></th><th><u>Pipe</u></th></tr><tr><td>140-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>140-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>140-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>140-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>140-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>140-8C</td><td>1/2</td><td>3/8</td></tr><tr><td>140-10C</td><td>5/8</td><td>3/8</td></tr></table>	<u>Part No</u>	<u>Hose I.D.</u>	<u>Pipe</u>	140-4A	1/4	1/8	140-4B	1/4	1/4	140-6A	3/8	1/8	140-6B	3/8	1/4	140-6C	3/8	3/8	140-8C	1/2	3/8	140-10C	5/8	3/8																																																
<u>Part No</u>	<u>Pipe</u>																																																																																											
135-RA	1/8																																																																																											
135-RB	1/4																																																																																											
135-RC	3/8																																																																																											
<u>Part No</u>	<u>Hose I.D.</u>																																																																																											
138-3	3/16																																																																																											
138-4	1/4																																																																																											
138-5	5/16																																																																																											
138-6	3/8																																																																																											
<u>Part No</u>	<u>Hose I.D.</u>	<u>Pipe</u>																																																																																										
140-4A	1/4	1/8																																																																																										
140-4B	1/4	1/4																																																																																										
140-6A	3/8	1/8																																																																																										
140-6B	3/8	1/4																																																																																										
140-6C	3/8	3/8																																																																																										
140-8C	1/2	3/8																																																																																										
140-10C	5/8	3/8																																																																																										
Oxygen / Acetylene Hex Nipples (9/16-18 thread both ends) 	90° Hose Barb x Male Pipe 	Beaded Hose Barb x Male Pipe 																																																																																										
<table><tr><th><u>Part No</u></th><th><u>9/16-18</u></th></tr><tr><td>136-L</td><td>L.H.</td></tr><tr><td>136-R</td><td>R.H.</td></tr></table>	<u>Part No</u>	<u>9/16-18</u>	136-L	L.H.	136-R	R.H.	<table><tr><th><u>Part No</u></th><th><u>Hose I.D.</u></th><th><u>Pipe</u></th></tr><tr><td>139-3A</td><td>3/16</td><td>1/8</td></tr><tr><td>139-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>139-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>139-4C</td><td>1/4</td><td>3/8</td></tr><tr><td>139-5A</td><td>5/16</td><td>1/8</td></tr><tr><td>139-5B</td><td>5/16</td><td>1/4</td></tr><tr><td>139-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>139-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>139-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>139-6D</td><td>3/8</td><td>1/2</td></tr><tr><td>139-8B</td><td>1/2</td><td>1/4</td></tr><tr><td>139-8C</td><td>1/2</td><td>3/8</td></tr><tr><td>139-8D</td><td>1/2</td><td>1/2</td></tr><tr><td>139-10B</td><td>5/8</td><td>1/4</td></tr><tr><td>139-10C</td><td>5/8</td><td>3/8</td></tr><tr><td>139-10D</td><td>5/8</td><td>1/2</td></tr><tr><td>139-12D</td><td>3/4</td><td>1/2</td></tr><tr><td>139-12E</td><td>3/4</td><td>3/4</td></tr><tr><td>139-16E</td><td>1</td><td>3/4</td></tr></table>	<u>Part No</u>	<u>Hose I.D.</u>	<u>Pipe</u>	139-3A	3/16	1/8	139-4A	1/4	1/8	139-4B	1/4	1/4	139-4C	1/4	3/8	139-5A	5/16	1/8	139-5B	5/16	1/4	139-6A	3/8	1/8	139-6B	3/8	1/4	139-6C	3/8	3/8	139-6D	3/8	1/2	139-8B	1/2	1/4	139-8C	1/2	3/8	139-8D	1/2	1/2	139-10B	5/8	1/4	139-10C	5/8	3/8	139-10D	5/8	1/2	139-12D	3/4	1/2	139-12E	3/4	3/4	139-16E	1	3/4	<table><tr><th><u>Part No</u></th><th><u>Hose I.D.</u></th><th><u>Pipe</u></th></tr><tr><td>143-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>143-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>143-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>143-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>143-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>143-8C</td><td>1/2</td><td>3/8</td></tr><tr><td>143-10C</td><td>5/8</td><td>3/8</td></tr></table>	<u>Part No</u>	<u>Hose I.D.</u>	<u>Pipe</u>	143-4A	1/4	1/8	143-4B	1/4	1/4	143-6A	3/8	1/8	143-6B	3/8	1/4	143-6C	3/8	3/8	143-8C	1/2	3/8	143-10C	5/8	3/8
<u>Part No</u>	<u>9/16-18</u>																																																																																											
136-L	L.H.																																																																																											
136-R	R.H.																																																																																											
<u>Part No</u>	<u>Hose I.D.</u>	<u>Pipe</u>																																																																																										
139-3A	3/16	1/8																																																																																										
139-4A	1/4	1/8																																																																																										
139-4B	1/4	1/4																																																																																										
139-4C	1/4	3/8																																																																																										
139-5A	5/16	1/8																																																																																										
139-5B	5/16	1/4																																																																																										
139-6A	3/8	1/8																																																																																										
139-6B	3/8	1/4																																																																																										
139-6C	3/8	3/8																																																																																										
139-6D	3/8	1/2																																																																																										
139-8B	1/2	1/4																																																																																										
139-8C	1/2	3/8																																																																																										
139-8D	1/2	1/2																																																																																										
139-10B	5/8	1/4																																																																																										
139-10C	5/8	3/8																																																																																										
139-10D	5/8	1/2																																																																																										
139-12D	3/4	1/2																																																																																										
139-12E	3/4	3/4																																																																																										
139-16E	1	3/4																																																																																										
<u>Part No</u>	<u>Hose I.D.</u>	<u>Pipe</u>																																																																																										
143-4A	1/4	1/8																																																																																										
143-4B	1/4	1/4																																																																																										
143-6A	3/8	1/8																																																																																										
143-6B	3/8	1/4																																																																																										
143-6C	3/8	3/8																																																																																										
143-8C	1/2	3/8																																																																																										
143-10C	5/8	3/8																																																																																										
Oxygen / Acetylene Nuts (9/16-18 thread) 		Hose Barb x Male Pipe Swivel (working swivel) 																																																																																										
<table><tr><th><u>Part No</u></th><th><u>9/16-18</u></th></tr><tr><td>137-L</td><td>L.H.</td></tr><tr><td>137-R</td><td>R.H.</td></tr></table>	<u>Part No</u>	<u>9/16-18</u>	137-L	L.H.	137-R	R.H.		<table><tr><th><u>Part No</u></th><th><u>Hose</u></th><th><u>Pipe</u></th></tr><tr><td>SW125-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>SW125-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>SW125-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>SW125-8D</td><td>1/2</td><td>1/2</td></tr></table>	<u>Part No</u>	<u>Hose</u>	<u>Pipe</u>	SW125-4B	1/4	1/4	SW125-6B	3/8	1/4	SW125-6C	3/8	3/8	SW125-8D	1/2	1/2																																																																					
<u>Part No</u>	<u>9/16-18</u>																																																																																											
137-L	L.H.																																																																																											
137-R	R.H.																																																																																											
<u>Part No</u>	<u>Hose</u>	<u>Pipe</u>																																																																																										
SW125-4B	1/4	1/4																																																																																										
SW125-6B	3/8	1/4																																																																																										
SW125-6C	3/8	3/8																																																																																										
SW125-8D	1/2	1/2																																																																																										

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

This series of fittings is designed to resist mechanical pullout. The seats and threads are internal and protected from damage. Vibration resistance is rated as excellent.

Applications

Used with any hard wall tubing that can be flared. Manufactured especially for hard to hold liquids and gases.

Temperature Range

From -65°F to +250°F

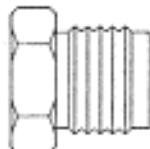
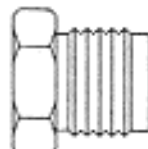
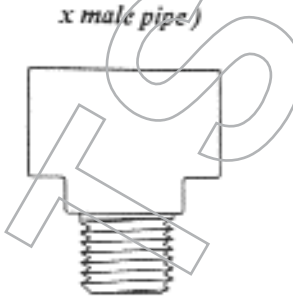
Working Pressures

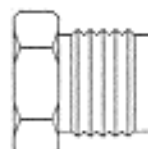
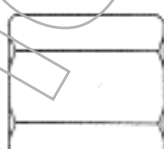
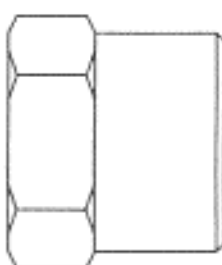
The table to the right shows maximum recommended working pressures at 73°F, using Seamless Copper Tubing ASTM-B-75 (30,000 P.S.I. Tensile Strength). This table is intended to be used as a guide only.

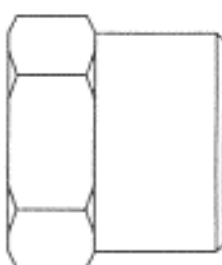
Tube Outside Diameter	Tube Wall Thickness	Maximum Working Pressure
inches	inches	P.S.I.
1/8	0.030	2,800
3/16	0.030	1,900
1/4	0.030	1,400
5/16	0.032	1,200
3/8	0.032	1,000
1/2	0.032	750
5/8	0.035	650
3/4	0.035	550
7/8	0.035	450

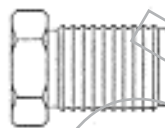
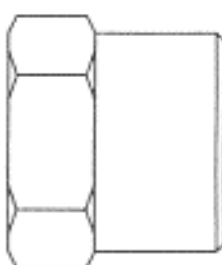
Assembly Instructions

- 1) Cut tubing squarely and deburr.
- 2) Place inverted flare nut onto tubing, ensuring that the threaded end faces the end of the tube.
- 3) Flare tubing to 45° using proper flaring tool. On thin wall tubing use a double flare to help prevent cracking.
- 4) Lubricate male threads on tube nut and assemble finger tight into fitting body.
- 5) Tighten with a wrench for a metal to metal seal.

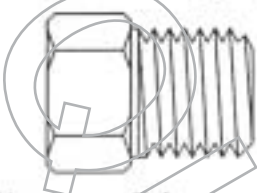
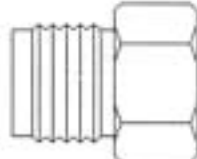
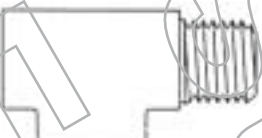
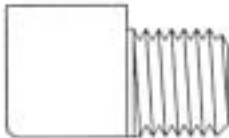
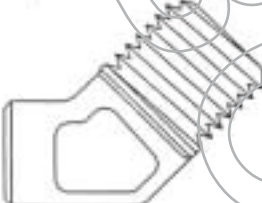
Nut (brass) 			Plug 			Male Branch Tee (tube x tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>		<u>Part No</u>	<u>Tube</u>		<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
141-2	1/8		PL141-3	3/16		145-3A	3/16	1/8
141-3	3/16		PL141-4	1/4		145-4A	1/4	1/8
141-4	1/4		PL141-5	5/16		145-5A	5/16	1/8
141-5	5/16		PL141-6	3/8		145-6B	3/8	1/4
141-6	3/8					145-8C	1/2	3/8
141-8	1/2							

Nut (steel) 			Union (tube both ends) 			Female Connector (tube x female pipe) 		
<u>Part No</u>	<u>Tube</u>		<u>Part No</u>	<u>Tube</u>				
S141-2	1/8		142-2	1/8				
S141-3	3/16		142-3	3/16				
S141-4	1/4		142-4	1/4				
S141-5	5/16		142-5	5/16				
S141-6	3/8		142-6	3/8				
S141-7	7/16		142-8	1/2				
S141-8	1/2		142-10	5/8				
S141-10	5/8							
S141-12	3/4							
S141-14	7/8							

Nut (steel, reducing) 			Union Tee (tube all ends) 			Female Connector (tube x female pipe) 		
<u>Part No</u>	<u>Tube</u>	<u>Tube</u>				<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
S141-4-3	1/4	3/16				146-2A **	1/8	1/8
S141-5-3	5/16	3/16				146-3A	3/16	1/8
						146-4A **	1/4	1/8
						146-4B	1/4	1/4
						146-5A	5/16	1/8
						146-6B	3/8	1/4
						146-8C	1/2	3/8
						146-10D **	5/8	1/2
						146-12E	3/4	3/4

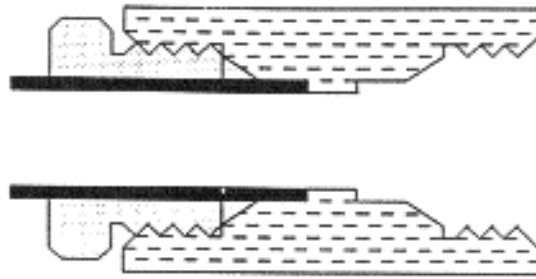
Nut (steel, long) 			Union Tee (tube all ends) 			Female Connector (tube x female pipe) 		
<u>Part No</u>	<u>Tube</u>		<u>Part No</u>	<u>Tube</u>				
SL141-3	3/16		144-2	1/8				
SL141-4	1/4		144-3	3/16				
			144-4	1/4				
			144-5	5/16				
			144-6	3/8				
			144-8	1/2				

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Male Connector (tube x male pipe)			90° Female Elbow (tube x female pipe)			90° Union Elbow (tube both ends)		
								
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	
148-2A	1/8	1/8	150-3A	3/16	1/8	155-4	1/4	
148-3A	3/16	1/8	150-4A **	1/4	1/8	155-5	5/16	
148-4A	1/4	1/8	150-5A	5/16	1/8	155-6	3/8	
148-4B	1/4	1/4	150-6B	3/8	1/4	155-8	1/2	
148-5A	5/16	1/8	150-8C	1/2	3/8	Dual Master Cylinder Adaptor (male x female) 		
148-5B	5/16	1/4	150-10D	5/8	1/2			
148-6A	3/8	1/8	Male Run Tee (tube x male pipe x tube) 					
148-6B	3/8	1/4						
148-6C	3/8	3/8						
148-7B	7/16	1/4						
148-8B	1/2	1/4						
148-8C	1/2	3/8						
148-8D	1/2	1/2						
148-10D	5/8	1/2						
148-12D	3/4	1/2						
148-12E	3/4	3/4						
90° Male Elbow (tube x male pipe)			<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Male Inverted Exceptions</u>	<u>Female Inverted Noted</u>
			151-3A	3/16	1/8	1074*	5/16	5/16
			151-4A	1/4	1/8	7727*	5/16	1/4
			151-5A	5/16	1/8	7732*	7/16-20	1/4
			151-6B	3/8	1/4	7771	3/8MPT	5/16
			151-8C	1/2	3/8	7781	1/4MPT	1/4
			45° Male Elbow (tube x male pipe) 			7817*	5/16	3/16
7818	1/4	3/16				7818	1/4	3/16
7828*	3/16	1/4				7828*	3/16	1/4
7829	5/16	1/4				7829	5/16	1/4
7908	9/16-18	1/4				7908	9/16-18	1/4
7909	5/16	3/16				7909	5/16	3/16
7910	9/16-20	3/16				7910	9/16-20	3/16
7911	9/16-18	3/16				7911	9/16-18	3/16
7912	5/16	9/16-18				7912	5/16	9/16-18
7913	9/16-18	1/2-20				7913	9/16-18	1/2-20
			7915	5/16	3/8	7915	5/16	3/8
			7916	3/8	5/16	7916	3/8	5/16
			154-2A **	1/8	1/8	* SEALS ON HEX FACE		
			154-3A	3/16	1/8			
			154-4A	1/4	1/8			
			154-5A	5/16	1/8			
			154-5B	5/16	1/4			
			154-6A	3/8	1/8			
			154-6B	3/8	1/4			
			154-8C	1/2	3/8			
154-10D	5/8	1/2						
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>						
149-2A	1/8	1/8						
149-3A	3/16	1/8						
149-4A	1/4	1/8						
149-4B	1/4	1/4						
149-5A	5/16	1/8						
149-5B **	5/16	1/4						
149-5C **	5/16	3/8						
149-6A	3/8	1/8						
149-6B	3/8	1/4						
149-6C	3/8	3/8						
149-8B	1/2	1/4						
149-8C	1/2	3/8						
149-8D	1/2	1/2						
149-10C	5/8	3/8						
149-10D	5/8	1/2						
149-12D	3/4	1/2						
149-12E **	3/4	3/4						
149-14E	7/8	3/4						

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Threaded sleeve fittings are easy to assemble. No tube flaring required, seals by compression.

Applications

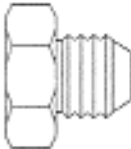
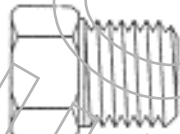
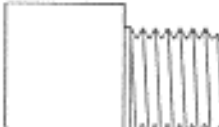
Used with copper, aluminum, nylon and soft plastic tubing (soft tubing requires internal tube support).

Temperature Range

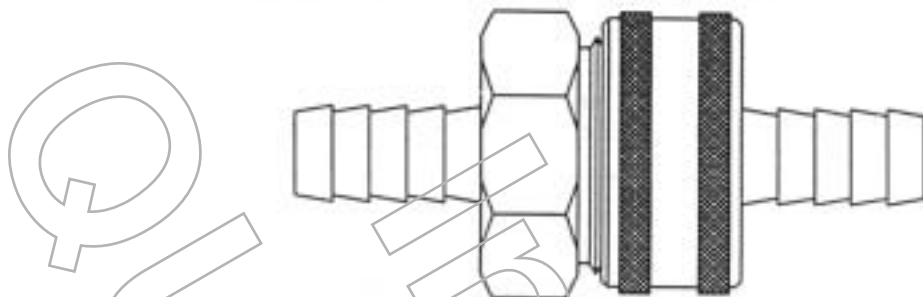
From -65°F to + 250°F

Working Pressures

500 P.S.I. up to 1/4", 250 P.S.I. on 5/16 and 3/8 sizes or up to the working pressure of the tubing used if less.

Sleeve Nut			Male Connector (tube x male pipe)			90° Male Elbow (tube x male pipe)		
								
Part No	Tube		Part No	Tube	Pipe	Part No	Tube	Pipe
181-2	1/8		188-2X1	1/8	1/16	189-2X1	1/8	1/16
181-3	3/16		188-2A	1/8	1/8	189-2A	1/8	1/8
181-4	1/4		188-3A	3/16	1/8	189-3A	3/16	1/8
181-5	5/16		188-3B	3/16	1/4	189-4A	1/4	1/8
181-6	3/8		188-4A	1/4	1/8	189-4B	1/4	1/4
181-8 **	1/2		188-4B	1/4	1/4	189-5A	5/16	1/8
181-10 **	5/8		188-5A	5/16	1/8	189-5B	5/16	1/4
			188-5B	5/16	1/4	189-6A	3/8	1/8
			188-6A **	3/8	1/8	189-6B	3/8	1/4
			188-6B	3/8	1/4			
			188-10D **	5/8	1/2			
Union (tube x tube)								
								
Part No	Tube							
182-2 **	1/8							
182-3 **	3/16							
182-4	1/4							
182-5	5/16							

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

**Characteristics**

These brass bar stock fittings are designed for rugged use in applications where a durable water hose fitting is required.

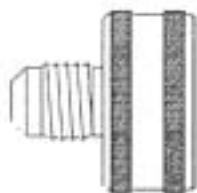
Applications

Used with rubber and thermoplastic hose in applications ranging from plumbing and industrial to trailer water supply lines.

Temperature and Pressure Ranges

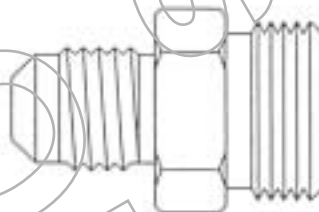
The maximum design working pressure for this series of fittings is 150 P.S.I. at 73°F or the maximum working pressure of the hose you will be using whichever is less. The temperature range is from +35°F to +100°F.

S.A.E. Swivel Connector
(male flare
x female hose thread)



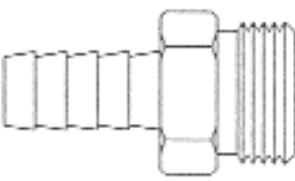
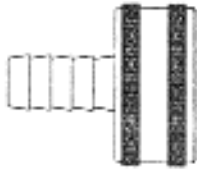
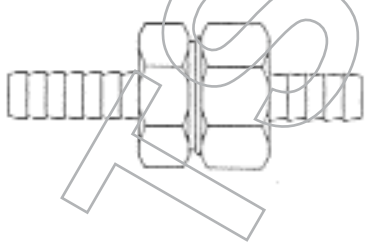
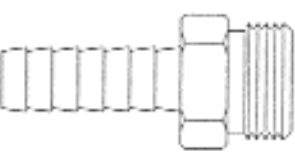
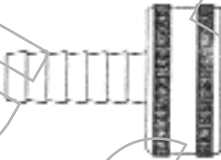
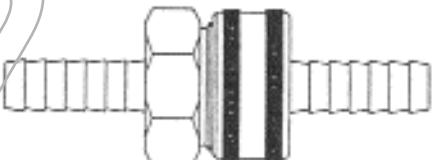
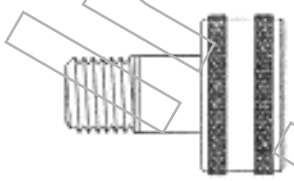
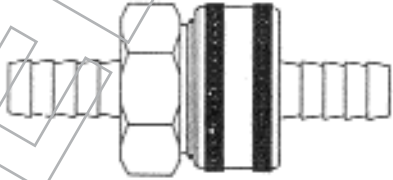
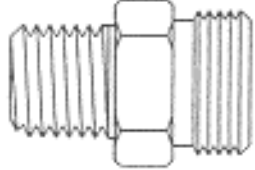
<i>Part No</i>	<i>Flare Hose Thread</i>	
191-6	3/8	3/4-11½NH
191-8	1/2	3/4-11½NH
191-10	5/8	3/4-11½NH

S.A.E. Rigid Connector
(male flare
x male hose thread)

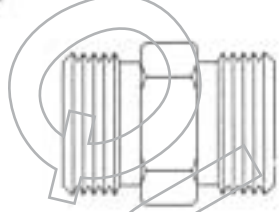
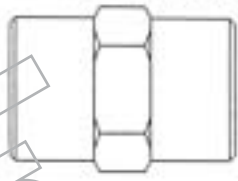
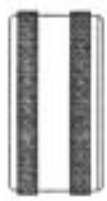
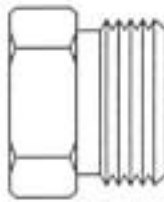
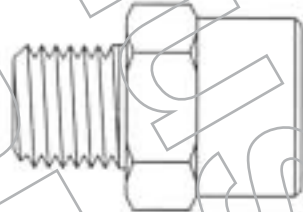
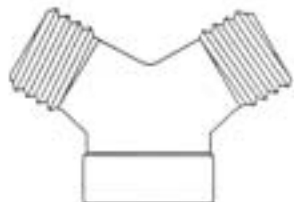
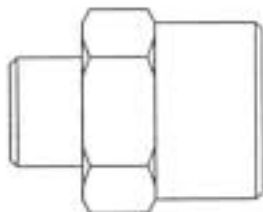
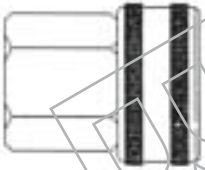


<i>Part No</i>	<i>Flare Hose Thread</i>	
192-6 **	3/8	3/4-11½NH
192-8	1/2	3/4-11½NH
192-10	5/8	3/4-11½NH

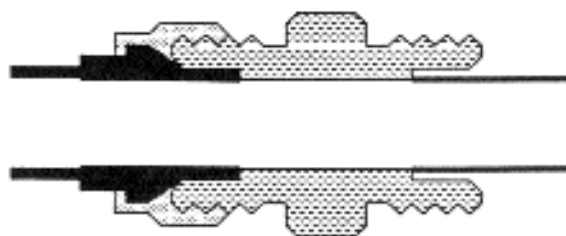
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Male Hose Barb (barb x male hose thread)  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>193-6</td><td>3/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	193-6	3/8	3/4-11 1/2 NH	193-8	1/2	3/4-11 1/2 NH	193-10	5/8	3/4-11 1/2 NH	193-12	3/4	3/4-11 1/2 NH	193-16	1	1-11 1/2 NPSH	Swivel Female Hose Barb (barb x female hose thread)  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>195-6</td><td>3/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	195-6	3/8	3/4-11 1/2 NH	195-8	1/2	3/4-11 1/2 NH	195-10	5/8	3/4-11 1/2 NH	195-12	3/4	3/4-11 1/2 NH	195-16	1	1-11 1/2 NPSH	Hex Nut Garden Hose Fitting Sets (with 201-H-nut)  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>193-195H-6</td><td>3/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195H-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195H-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195H-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195H-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	193-195H-6	3/8	3/4-11 1/2 NH	193-195H-8	1/2	3/4-11 1/2 NH	193-195H-10	5/8	3/4-11 1/2 NH	193-195H-12	3/4	3/4-11 1/2 NH	193-195H-16	1	1-11 1/2 NPSH
Part No	Barb	Hose Thread																																																						
193-6	3/8	3/4-11 1/2 NH																																																						
193-8	1/2	3/4-11 1/2 NH																																																						
193-10	5/8	3/4-11 1/2 NH																																																						
193-12	3/4	3/4-11 1/2 NH																																																						
193-16	1	1-11 1/2 NPSH																																																						
Part No	Barb	Hose Thread																																																						
195-6	3/8	3/4-11 1/2 NH																																																						
195-8	1/2	3/4-11 1/2 NH																																																						
195-10	5/8	3/4-11 1/2 NH																																																						
195-12	3/4	3/4-11 1/2 NH																																																						
195-16	1	1-11 1/2 NPSH																																																						
Part No	Barb	Hose Thread																																																						
193-195H-6	3/8	3/4-11 1/2 NH																																																						
193-195H-8	1/2	3/4-11 1/2 NH																																																						
193-195H-10	5/8	3/4-11 1/2 NH																																																						
193-195H-12	3/4	3/4-11 1/2 NH																																																						
193-195H-16	1	1-11 1/2 NPSH																																																						
Long Male Hose Barb (barb x male hose thread)  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>193L-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193L-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193L-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193L-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	193L-8	1/2	3/4-11 1/2 NH	193L-10	5/8	3/4-11 1/2 NH	193L-12	3/4	3/4-11 1/2 NH	193L-16	1	1-11 1/2 NPSH	Long Female Swivel Hose Barb (barb x female hose thread)  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>195L-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195L-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195L-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>195L-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	195L-8	1/2	3/4-11 1/2 NH	195L-10	5/8	3/4-11 1/2 NH	195L-12	3/4	3/4-11 1/2 NH	195L-16	1	1-11 1/2 NPSH	Long Garden Hose Fitting Sets  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>193-195L-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195L-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195L-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195L-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	193-195L-8	1/2	3/4-11 1/2 NH	193-195L-10	5/8	3/4-11 1/2 NH	193-195L-12	3/4	3/4-11 1/2 NH	193-195L-16	1	1-11 1/2 NPSH									
Part No	Barb	Hose Thread																																																						
193L-8	1/2	3/4-11 1/2 NH																																																						
193L-10	5/8	3/4-11 1/2 NH																																																						
193L-12	3/4	3/4-11 1/2 NH																																																						
193L-16	1	1-11 1/2 NPSH																																																						
Part No	Barb	Hose Thread																																																						
195L-8	1/2	3/4-11 1/2 NH																																																						
195L-10	5/8	3/4-11 1/2 NH																																																						
195L-12	3/4	3/4-11 1/2 NH																																																						
195L-16	1	1-11 1/2 NPSH																																																						
Part No	Barb	Hose Thread																																																						
193-195L-8	1/2	3/4-11 1/2 NH																																																						
193-195L-10	5/8	3/4-11 1/2 NH																																																						
193-195L-12	3/4	3/4-11 1/2 NH																																																						
193-195L-16	1	1-11 1/2 NPSH																																																						
Swivel Male Pipe Adaptor (male pipe x female hose thread)  <table> <tr> <th>Part No</th><th>Pipe</th><th>Hose Thread</th></tr> <tr> <td>194-B</td><td>1/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>194-C</td><td>3/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>194-D</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> </table>	Part No	Pipe	Hose Thread	194-B	1/4	3/4-11 1/2 NH	194-C	3/8	3/4-11 1/2 NH	194-D	1/2	3/4-11 1/2 NH	Standard Garden Hose Fitting Sets  <table> <tr> <th>Part No</th><th>Barb</th><th>Hose Thread</th></tr> <tr> <td>193-195-6</td><td>3/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195-8</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195-10</td><td>5/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195-12</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>193-195-16</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Barb	Hose Thread	193-195-6	3/8	3/4-11 1/2 NH	193-195-8	1/2	3/4-11 1/2 NH	193-195-10	5/8	3/4-11 1/2 NH	193-195-12	3/4	3/4-11 1/2 NH	193-195-16	1	1-11 1/2 NPSH	Adaptor (male pipe x male hose thread)  <table> <tr> <th>Part No</th><th>Pipe</th><th>Hose Thread</th></tr> <tr> <td>196-C</td><td>3/8</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>196-D</td><td>1/2</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>196-E</td><td>3/4</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>196-F</td><td>1</td><td>3/4-11 1/2 NH</td></tr> <tr> <td>196-16F</td><td>1</td><td>1-11 1/2 NPSH</td></tr> </table>	Part No	Pipe	Hose Thread	196-C	3/8	3/4-11 1/2 NH	196-D	1/2	3/4-11 1/2 NH	196-E	3/4	3/4-11 1/2 NH	196-F	1	3/4-11 1/2 NH	196-16F	1	1-11 1/2 NPSH						
Part No	Pipe	Hose Thread																																																						
194-B	1/4	3/4-11 1/2 NH																																																						
194-C	3/8	3/4-11 1/2 NH																																																						
194-D	1/2	3/4-11 1/2 NH																																																						
Part No	Barb	Hose Thread																																																						
193-195-6	3/8	3/4-11 1/2 NH																																																						
193-195-8	1/2	3/4-11 1/2 NH																																																						
193-195-10	5/8	3/4-11 1/2 NH																																																						
193-195-12	3/4	3/4-11 1/2 NH																																																						
193-195-16	1	1-11 1/2 NPSH																																																						
Part No	Pipe	Hose Thread																																																						
196-C	3/8	3/4-11 1/2 NH																																																						
196-D	1/2	3/4-11 1/2 NH																																																						
196-E	3/4	3/4-11 1/2 NH																																																						
196-F	1	3/4-11 1/2 NH																																																						
196-16F	1	1-11 1/2 NPSH																																																						

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Male Coupling (male hose thread both ends) 	Female Coupling (female hose thread both ends) 	Hose Thread Nuts 																																		
<table><tr><th><u>Part No</u></th><th><u>Hose Thread</u></th></tr><tr><td>196-W</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Hose Thread</u>	196-W	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Hose Thread</u></th></tr><tr><td>198-W</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Hose Thread</u>	198-W	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Description</u></th></tr><tr><td>201-H</td><td>HEX NUT 3/4-11½ NH</td></tr><tr><td>201-W</td><td>KNURLED 3/4-11½ NH</td></tr><tr><td>201-W-16</td><td>1" NUT 1-11½ NPSH</td></tr></table>	<u>Part No</u>	<u>Description</u>	201-H	HEX NUT 3/4-11½ NH	201-W	KNURLED 3/4-11½ NH	201-W-16	1" NUT 1-11½ NPSH																		
<u>Part No</u>	<u>Hose Thread</u>																																			
196-W	3/4-11½NH																																			
<u>Part No</u>	<u>Hose Thread</u>																																			
198-W	3/4-11½NH																																			
<u>Part No</u>	<u>Description</u>																																			
201-H	HEX NUT 3/4-11½ NH																																			
201-W	KNURLED 3/4-11½ NH																																			
201-W-16	1" NUT 1-11½ NPSH																																			
Adaptor (female pipe x male hose thread) 	Adaptor (male pipe x female hose thread) 	Hose " Y " (male hose thread x female hose thread) 																																		
<table><tr><th><u>Part No</u></th><th><u>Pipe</u></th><th><u>Hose Thread</u></th></tr><tr><td>197-B</td><td>1/4</td><td>3/4-11½NH</td></tr><tr><td>197-C</td><td>3/8</td><td>3/4-11½NH</td></tr><tr><td>197-D</td><td>1/2</td><td>3/4-11½NH</td></tr><tr><td>197-E</td><td>3/4</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>	197-B	1/4	3/4-11½NH	197-C	3/8	3/4-11½NH	197-D	1/2	3/4-11½NH	197-E	3/4	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Pipe</u></th><th><u>Hose Thread</u></th></tr><tr><td>199-C</td><td>3/8</td><td>3/4-11½NH</td></tr><tr><td>199-D</td><td>1/2</td><td>3/4-11½NH</td></tr><tr><td>199-E</td><td>3/4</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>	199-C	3/8	3/4-11½NH	199-D	1/2	3/4-11½NH	199-E	3/4	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Hose Thread</u></th></tr><tr><td>202-W</td><td>3/4-11½ NH</td></tr></table>	<u>Part No</u>	<u>Hose Thread</u>	202-W	3/4-11½ NH			
<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>																																		
197-B	1/4	3/4-11½NH																																		
197-C	3/8	3/4-11½NH																																		
197-D	1/2	3/4-11½NH																																		
197-E	3/4	3/4-11½NH																																		
<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>																																		
199-C	3/8	3/4-11½NH																																		
199-D	1/2	3/4-11½NH																																		
199-E	3/4	3/4-11½NH																																		
<u>Part No</u>	<u>Hose Thread</u>																																			
202-W	3/4-11½ NH																																			
Female Adaptor (female pipe x female hose thread) 	Swivel Adaptor (female pipe x female hose thread) 	Swivel Union (female hose thread both ends) 																																		
<table><tr><th><u>Part No</u></th><th><u>Pipe</u></th><th><u>Hose Thread</u></th></tr><tr><td>198-A</td><td>1/8</td><td>3/4-11½NH</td></tr><tr><td>198-B</td><td>1/4</td><td>3/4-11½NH</td></tr><tr><td>198-C</td><td>3/8</td><td>3/4-11½NH</td></tr><tr><td>198-D</td><td>1/2</td><td>3/4-11½NH</td></tr><tr><td>198-E</td><td>3/4</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>	198-A	1/8	3/4-11½NH	198-B	1/4	3/4-11½NH	198-C	3/8	3/4-11½NH	198-D	1/2	3/4-11½NH	198-E	3/4	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Pipe</u></th><th><u>Hose Thread</u></th></tr><tr><td>199S-B **</td><td>1/4</td><td>3/4-11½NH</td></tr><tr><td>199S-D</td><td>1/2</td><td>3/4-11½NH</td></tr><tr><td>199S-E</td><td>3/4</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>	199S-B **	1/4	3/4-11½NH	199S-D	1/2	3/4-11½NH	199S-E	3/4	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Hose Thread</u></th></tr><tr><td>203-W</td><td>3/4-11½ NH</td></tr></table>	<u>Part No</u>	<u>Hose Thread</u>	203-W	3/4-11½ NH
<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>																																		
198-A	1/8	3/4-11½NH																																		
198-B	1/4	3/4-11½NH																																		
198-C	3/8	3/4-11½NH																																		
198-D	1/2	3/4-11½NH																																		
198-E	3/4	3/4-11½NH																																		
<u>Part No</u>	<u>Pipe</u>	<u>Hose Thread</u>																																		
199S-B **	1/4	3/4-11½NH																																		
199S-D	1/2	3/4-11½NH																																		
199S-E	3/4	3/4-11½NH																																		
<u>Part No</u>	<u>Hose Thread</u>																																			
203-W	3/4-11½ NH																																			
Cap (female hose thread) 	Hose Washers 																																			
<table><tr><th><u>Part No</u></th><th><u>Hose Thread</u></th></tr><tr><td>200-W</td><td>3/4-11½NH</td></tr></table>	<u>Part No</u>	<u>Hose Thread</u>	200-W	3/4-11½NH	<table><tr><th><u>Part No</u></th><th><u>Material</u></th><th><u>Size</u></th></tr><tr><td>GHW-12</td><td>PLASTIC</td><td>3/4</td></tr><tr><td>GHW-12K</td><td>RUBBER</td><td>3/4</td></tr><tr><td>GHW-16</td><td>RUBBER</td><td>1</td></tr></table>	<u>Part No</u>	<u>Material</u>	<u>Size</u>	GHW-12	PLASTIC	3/4	GHW-12K	RUBBER	3/4	GHW-16	RUBBER	1																			
<u>Part No</u>	<u>Hose Thread</u>																																			
200-W	3/4-11½NH																																			
<u>Part No</u>	<u>Material</u>	<u>Size</u>																																		
GHW-12	PLASTIC	3/4																																		
GHW-12K	RUBBER	3/4																																		
GHW-16	RUBBER	1																																		

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

This versatile compression fitting is designed for quick installation. The sleeve, nut and body are supplied assembled. Just push the thermoplastic tubing into the fitting body until it bottoms out, tighten finger tight and wrench tighten one turn. Can be assembled and disassembled repeatedly.

Applications

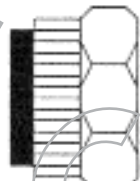
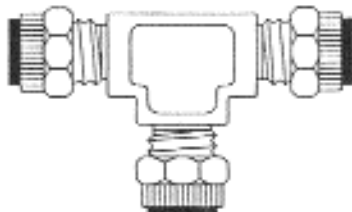
Designed for use with polyethylene tubing in instrumentation, lubrication and coolant systems.

Temperature Range

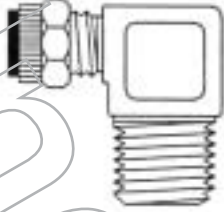
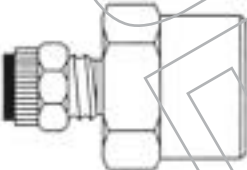
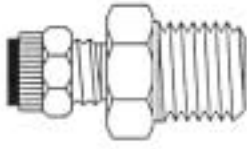
From 0°F to +175°F

Working Pressures

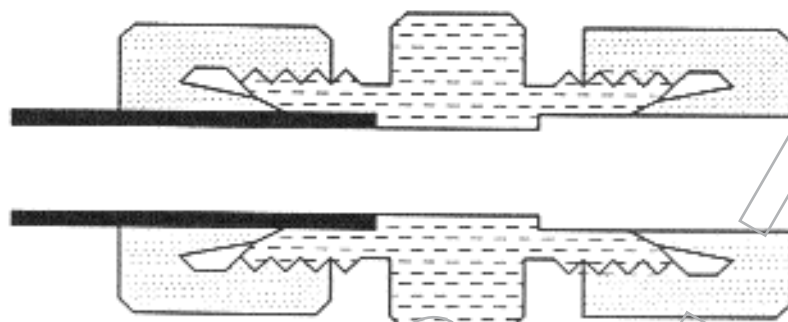
Up to 150 P.S.I. depending on the maximum recommended working pressure of the tubing used.

Plastic Cap		Nut & Sleeve Assembly		Reducing Union (tube both ends)		
				<u>Part No</u>	<u>Tube</u>	<u>Tube</u>
<u>Part No</u>	<u>Tube</u>	<u>Part No</u>	<u>Tube</u>	262VF-6-4	3/8	1/4
259VF-4	1/4	261VF-2*	1/8			
259VF-5	5/16	261VF-3*	3/16			
259VF-6	3/8	261VF-4	1/4			
259VF-8	1/2	261VF-5	5/16			
		261VF-6	3/8			
		261VF-8	1/2			
Plastic Sleeve		Union (tube both ends)		<u>Part No</u>	<u>Tube</u>	
				264VF-2*	1/8	
<u>Part No</u>	<u>Tube</u>	<u>Part No</u>	<u>Tube</u>	264VF-3*	3/16	
260VF-4	1/4	262VF-2*	1/8	264VF-4	1/4	
260VF-5	5/16	262VF-3*	3/16	264VF-5	5/16	
260VF-6	3/8	262VF-4	1/4	264VF-6	3/8	
260VF-8	1/2	262VF-5	5/16	264VF-8	1/2	
		262VF-6	3/8	* BRASS SLEEVE NO TUBE SUPPORT		
		262VF-8	1/2			

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Reducing Union Tee (tube all ends)				90° Male Elbow (tube x male pipe)			Male Run Tee (tube x male pipe x tube)		
<i>Part No</i>	<i>Tube</i>	<i>Tube</i>	<i>Tube</i>						
264VF-6-4	3/8	3/8	1/4						
Female Connector (tube x female pipe)				<i>Part No</i>			<i>Tube</i>		
				<i>Pipe</i>			<i>Pipe</i>		
<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>		269VF-2A*	1/8	1/8	271VF-2A*	1/8	1/8
266VF-2A*	1/8	1/8		269VF-3A*	3/16	1/8	271VF-3A*	3/16	1/8
266VF-3A*	3/16	1/8		269VF-3B*	3/16	1/4	271VF-4A	1/4	1/8
266VF-3B*	3/16	1/4		269VF-4A	1/4	1/8	271VF-4B	1/4	1/4
266VF-4A	1/4	1/8		269VF-4B	1/4	1/4	271VF-5A	5/16	1/8
266VF-4B	1/4	1/4		269VF-4C	1/4	3/8	271VF-6B	3/8	1/4
266VF-5A	5/16	1/8		269VF-5A	5/16	1/8	271VF-8C	1/2	3/8
266VF-6B	3/8	1/4		269VF-6A	3/8	1/8	Male Branch Tee (tube x tube x male pipe)		
266VF-8C	1/2	3/8		269VF-6B	3/8	1/4			
Male Connector (tube x male pipe)				<i>Part No</i>			<i>Tube</i>		
				<i>Pipe</i>			<i>Pipe</i>		
<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>		272VF-2A*	1/8	1/8	272VF-3A	3/16	1/8
268VF-2X10/32*	1/8	10/32		272VF-4A	1/4	1/8	272VF-4B	1/4	1/4
268VF-2X1*	1/8	1/16		272VF-5A	5/16	1/8	272VF-6B	3/8	1/4
268VF-2A*	1/8	1/8		272VF-8C	1/2	3/8	Bulkhead Union (tube both ends)		
268VF-3A*	3/16	1/8		270VF-2A*	1/8	1/8			
268VF-3B*	3/16	1/4		270VF-3A*	3/16	1/8			
268VF-4X10/32	1/4	10/32		270VF-4A	1/4	1/8			
268VF-4X1	1/4	1/16		270VF-4B	1/4	1/4	<i>Part No</i>	<i>Tube</i>	
268VF-4A	1/4	1/8		270VF-6B	3/8	1/4	277VF-4	1/4	
268VF-4B	1/4	1/4		270VF-8C	1/2	3/8	277VF-5	5/16	
268VF-4C	1/4	3/8		* BRASS SLEEVE NO TUBE SUPPORT			277VF-6	3/8	
268VF-5A	5/16	1/8					277VF-8	1/2	
268VF-5B	5/16	1/4							
268VF-6A	3/8	1/8							
268VF-6B	3/8	1/4							
268VF-6C	3/8	3/8							
268VF-8C	1/2	3/8							

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Vibra-Pruf compression fittings are available in four corrosion resistant thermoresins, in a wide range of styles and sizes. As well, they are available with three different nuts, each one designed to work best with different types of tubing.

Applications

Used with copper, aluminum, thermoplastic and glass tubing. Designed to provide leakproof, vibration and corrosion resistant joints in a wide range of applications at economical prices.

Temperature Range

From -20°F to +220°F depending on fitting material selected

Working Pressure

Varies with the type of tube nut and tubing used. Ranges from 50 P.S.I for the ferrule nut up to 220 P.S.I for the gripper nuts.

Chemical Resistance of Vibra-Pruf Thermoplastic Compression Fittings

<i>Solutions</i>	<i>Nylon</i>	<i>Celcon* (Acetal)</i>	<i>Polypropylene</i>	<i>Kynar**</i>
Acids (strong)	poor	unacceptable	fair	excellent
Aliphatic Solvents	excellent	excellent	unacceptable	excellent
Aromatic Solvents	excellent	excellent	unacceptable	excellent
Bases-Salts (weak)	excellent	excellent	good	excellent
Bases (strong)	excellent	excellent	excellent	excellent
Chlorinated Solvents	slight attack	slight attack	unacceptable	excellent
Esters & Keystones	excellent	excellent	poor	poor
Halogens	fair	poor	unacceptable	excellent
Oxidants (strong)	mild attack	mild attack	unacceptable	good
		<i>*Trademark of Hoechst Celanese</i>		<i>**Trademark of Pennwalt Corp.</i>

Ordering Information

Our standard material for Vibra-Pruf Fittings is Nylon, if no material is specified, Nylon will be supplied. To specify any other material, prefix our standard part number with one of the following:

Celcon= C
Polypropylene= P
Kynar= K.

Our standard nut on sizes 1/8" to 1/2" (-2 to -8) is the ferrule nut series 361-. On sizes 5/8" to 7/8" our standard nut is the stainless steel gripper nut series SG361-. To order any nut other than the standard, insert one of the following suffixes to our part number, just before the dash (-):

Stainless Steel Gripper Nut= SG
Plastic Gripper Nut= PG.

EG: to our a 1/4" union in Celcon with Stainless Steel Gripper Nuts, take our standard part number 362-4 add the letter C for Celcon, and the SG for Stainless Steel Gripper Nut and order part number C362SG-4.

Ferrule Nut



Plastic Gripper Nut



Stainless Gripper Nut



<i>Part No</i>	<i>Tube</i>	<i>Part No</i>	<i>Tube</i>	<i>Part No</i>	<i>Tube</i>
361-2	1/8	361PG-4	1/4	361SG-4	1/4
361-4	1/4	361PG-5	5/16	361SG-5	5/16
361-5	5/16	361PG-6	3/8	361SG-6	3/8
361-6	3/8	361PG-8	1/2	361SG-8	1/2
361-8	1/2	361PG-10	5/8	361SG-10	5/8
		361PG-12	3/4	361SG-12	3/4
		361PG-14	7/8	361SG-14	7/8

This style of nut is recommended for applications using soft wall tubing such as polyethylene or vinyl in low pressure applications not to exceed 50 P.S.I.. Part number 381-series tube supports should be used in these applications.

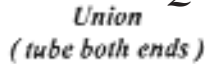
The plastic gripper nut is recommended for applications using plastic tubing that require a higher pressure rating, up to 220 P.S.I. maximum. Ideal for use with hard wall plastic tubing such as nylon, or for use with polyethylene tubing using part number 381-series tube supports.

The stainless steel gripper nut is recommended for use with metal tubing such as copper and aluminum. This series has a maximum working pressure of 220 P.S.I. at +73°F.

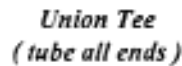
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

THERMOPLASTIQUE

COMPRESSION FITTINGS



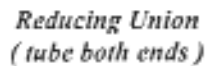
<u>Part No</u>	<u>Tube</u>
362-4	1/4
362-5	5/16
362-6	3/8
362-8	1/2
362SG-10	5/8
362SG-12	3/4
362SG-14	7/8



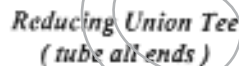
<u>Part No</u>	<u>Tube</u>
364-2	1/8
364-4	1/4
364-5	5/16
364-6	3/8
364-8	1/2
364SG-10	5/8
364SG-12	3/4
364SG-14	7/8



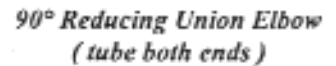
<u>Part No</u>	<u>Tube</u>
365-4	1/4
365-5	5/16
365-6	3/8
365-8	1/2
365SG-10	5/8
365SG-14	7/8



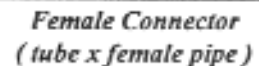
<u>Part No</u>	<u>Tube</u>	<u>Tube</u>
362-4-2	1/4	1/8
362-5-4	5/16	1/4
362-6-4	3/8	1/4
362-8-6	1/2	3/8
362SG-10-6	5/8	3/8
362SG-10-8	5/8	1/2
362SG-14-10	7/8	5/8



<u>Part No</u>	<u>Tube Size</u>		
	<u>1</u>	<u>2</u>	<u>3</u>
364SG-10-6	5/8	5/8	3/8
364SG-14-10	7/8	7/8	5/8
364SG-14-10-10	7/8	5/8	5/8



<u>Part No</u>	<u>Tube</u>	<u>Tube</u>
365SG-14-10	7/8	5/8

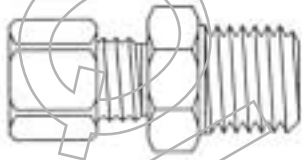
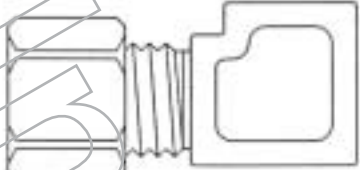
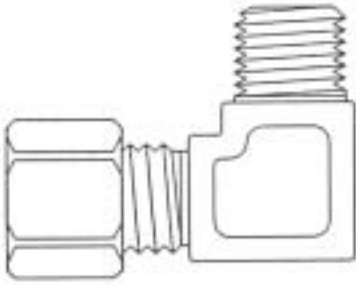
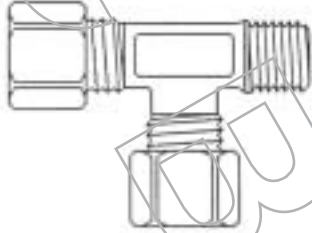
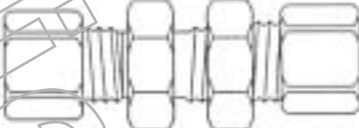
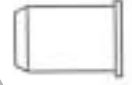


<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>
366-4A	1/4	1/8
366-4B	1/4	1/4
366-5B	5/16	1/4
366-6B	3/8	1/4
366-6C	3/8	3/8
366-6D	3/8	1/2
366-8C	1/2	3/8
366-8D	1/2	1/2
366SG-10D	5/8	1/2

For the Stainless Steel fittings, add the suffix "S/S" to the above part number.

VIBRA-PRUF RACCORD DE COMPRESSION DE THERMOPLASTIQUE

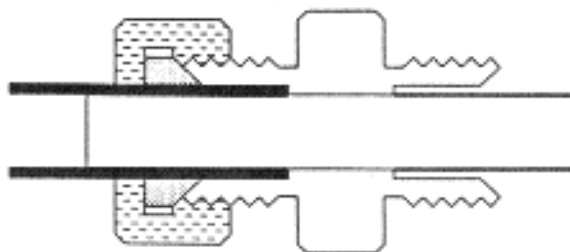
VIBRA-PRUF THERMOPLASTIC COMPRESSION FITTINGS

Male Connector (tube x male pipe) 			90° Female Elbow (tube x female pipe) 			Male Branch Tee (tube x tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
368-2A	1/8	1/8	370-2B	1/8	1/4	372-4A	1/4	1/8
368-4A	1/4	1/8	370-4A	1/4	1/8	372-4B	1/4	1/4
368-4B	1/4	1/4	370-4B	1/4	1/4	372-5B	5/16	1/4
368-4C	1/4	3/8	370-5B	5/16	1/4	372-6B	3/8	1/4
368-5A	5/16	1/8	370-6B	3/8	1/4	372-6C	3/8	3/8
368-5B	5/16	1/4	370-6C	3/8	3/8	372-8C	1/2	3/8
368-6A	3/8	1/8	370-8C	1/2	3/8	372-8D	1/2	1/2
368-6B	3/8	1/4	370-8D	1/2	1/2	372SG-10D	5/8	1/2
368-6C	3/8	3/8	370SG-10D	5/8	1/2	372SG-12D	3/4	1/2
368-6D	3/8	1/2				372SG-12E	3/4	3/4
368-8A	1/2	1/2				372SG-14E	7/8	3/4
368-8B	1/2	1/4						
368-8C	1/2	3/8						
368-8D	1/2	1/2						
368SG-10C	5/8	3/8						
368SG-10D	5/8	1/2						
368SG-12D	3/4	1/2						
368SG-12E	3/4	3/4						
368SG-14E	7/8	3/4						
90° Male Elbow (tube x male pipe) 			Male Run Tee (tube x male pipe x tube) 			Bulkhead Union (tube both ends) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	
369-2A	1/8	1/8	371-4A	1/4	1/8	377-4	1/4	
369-4A	1/4	1/8	371-4B	1/4	1/4	377-5	5/16	
369-4B	1/4	1/4	371-5B	5/16	1/4	377-6	3/8	
369-5A	5/16	1/8	371-6B	3/8	1/4	377-8	1/2	
369-5B	5/16	1/4	371-6C	3/8	3/8	377-12	3/4	
369-6B	3/8	1/4	371-8C	1/2	3/8			
369-6C	3/8	3/8	371-8D	1/2	1/2			
369-8C	1/2	3/8	371SG-10D	5/8	1/2			
369-8D	1/2	1/2	371SG-12D	3/4	1/2			
369SG-10C	5/8	3/8	371SG-12E	3/4	3/4			
369SG-10D	5/8	1/2	371SG-14E	7/8	3/4			
						Plastic Insert (for tube support) 		
						<u>Part No</u>	<u>Tube</u>	
						381-4	1/4	
						381-5	5/16	
						381-6	3/8	
						381-8	1/2	

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

**RACCORD DE COMPRESSION EN
LAITON POUR TUYAU DE
POLYÉTHYLÈNE**

**BRASS COMPRESSION FITTINGS FOR
POLYETHYLENE TUBING**



Characteristics

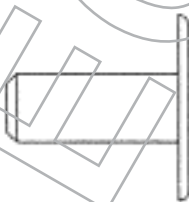
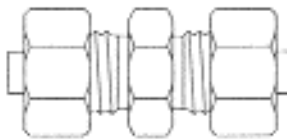
Available in a wide range of sizes and configurations, this economical fitting uses our standard brass compression fitting bodies and nuts. A staked in brass insert and a delrin compression sleeve are added, to create a fitting ideally suited for use with our standard wall polyethylene tubing (series 360-).

Applications

Used in pneumatic control systems, lubrication and coolant lines, this series is also used to connect water supply lines in plumbing applications, such as ice making and humidifier hookups.

Temperature and Pressure Ranges

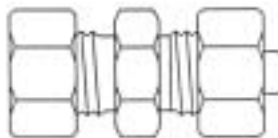
Up to 150 P.S.I. but limited by the working pressure of the polyethylene tubing used.

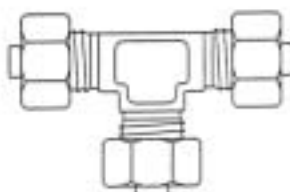
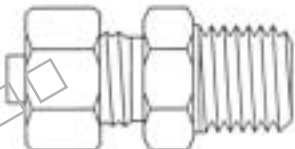
<i>Delrin Sleeve (in-line)</i>		<i>Brass Insert (loose)</i>			<i>Union (tube both ends)</i>	
						
<i>Part No</i>	<i>Tube</i>	<i>Part No</i>	<i>Tube O.D.</i>	<i>Tube I.D.</i>	<i>Part No</i>	<i>Tube</i>
480-4	1/4	481-1	1/8	0.061	462-4	1/4
480-5	5/16	481-2	1/8	0.079	462-5	5/16
480-6	3/8	481-5/32	5/32	0.090	462-6	3/8
480-8	1/2	481-3	3/16	0.108	462-8	1/2
480-10	5/8	481-4	1/4	0.170		
480-12	3/4	481-4H	1/4	0.125		
		481-5	5/16	0.187		
		481-6	3/8	0.250		
		481-8	1/2	0.375		
		481-10	5/8	0.483		
		481-12	3/4	0.625		

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

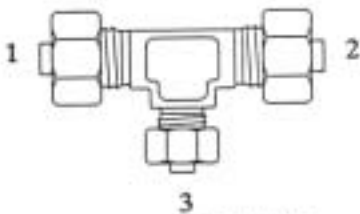
**RACCORD DE COMPRESSION EN
LAITON POUR TUYAU DE
POLYÉTHYLÈNE**

**BRASS COMPRESSION FITTINGS FOR
POLYETHYLENE TUBING**

Reducing Union (tube both ends) 			90° Union Elbow (tube both ends) 			Copper x Poly Adaptor (tube both ends) 		
<u>Part No</u>	<u>Tube</u>	<u>Tube</u>	<u>Part No</u>	<u>Tube</u>	<u>Part No</u>	<u>Tube</u>	<u>Tube</u>	
462-6-4	3/8	1/4	465-4	1/4	467-4-4	1/4	1/4	
462-6-5	3/8	5/16	465-5	5/16	467-5-5	5/16	5/16	
462-8-6	1/2	3/8	465-6	3/8	467-6-6	3/8	3/8	
			465-8	1/2	467-8-8	1/2	1/2	

Union Tee (tube all ends) 			90° Reducing Union Elbow (tube both ends)			Male Connector (tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>		<u>Part No</u>	<u>Tube</u>	<u>Tube</u>			
465-6-4	3/8		465-6-4	3/8	1/4			
465-8-6	1/2		465-8-6	1/2	3/8			

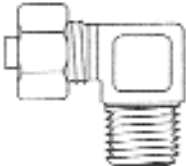
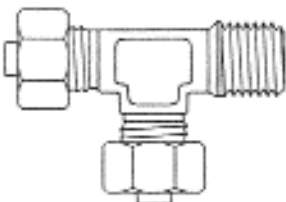
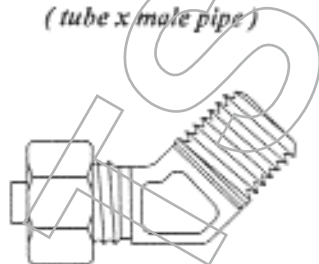
Female Connector (tube x female pipe) 			Male Connector (tube x male pipe)		
<u>Part No</u>	<u>Tube</u>		<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
464-4	1/4		468-4A	1/4	1/8
464-5	5/16		468-4B	1/4	1/4
464-6	3/8		468-4C	1/4	3/8
464-8	1/2		468-4D	1/4	1/2
			468-5A	5/16	1/8
			468-5B	5/16	1/4
			468-5C	5/16	3/8
			468-5D	5/16	1/2
			468-6A	3/8	1/8
			468-6B	3/8	1/4
			468-6C	3/8	3/8
			468-6D	3/8	1/2
			468-6E	3/8	3/4
			468-8B	1/2	1/4
			468-8C	1/2	3/8
			468-8D	1/2	1/2
			468-8E	1/2	3/4

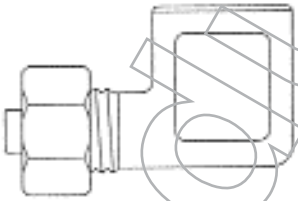
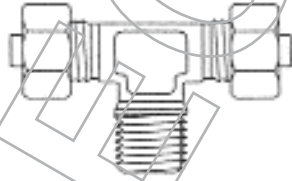
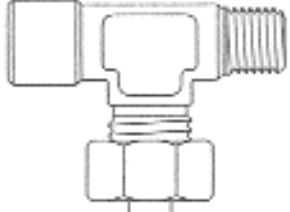
Reducing Union Tee (tube all ends) 				Female Connector (tube x female pipe)			
<u>Part No</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	
464-6-4	3/8	3/8	1/4	466-4A	1/4	1/8	
464-6-4-4	3/8	1/4	1/4	466-4B	1/4	1/4	
464-8-4	1/2	1/2	1/4	466-4C	1/4	3/8	
464-8-6	1/2	1/2	3/8	466-4D	1/4	1/2	
				466-5A	5/16	1/8	
				466-5B	5/16	1/4	
				466-6A	3/8	1/8	
				466-6B	3/8	1/4	
				466-6C	3/8	3/8	
				466-6D	3/8	1/2	
				466-6E	3/8	3/4	
				466-8B	1/2	1/4	
				466-8C	1/2	3/8	
				466-8D	1/2	1/2	
				466-8E	1/2	3/4	

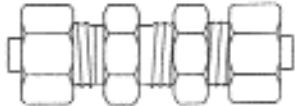
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

**RACCORD DE COMPRESSION EN
LAITON POUR TUYAU DE
POLYÉTHYLÈNE**

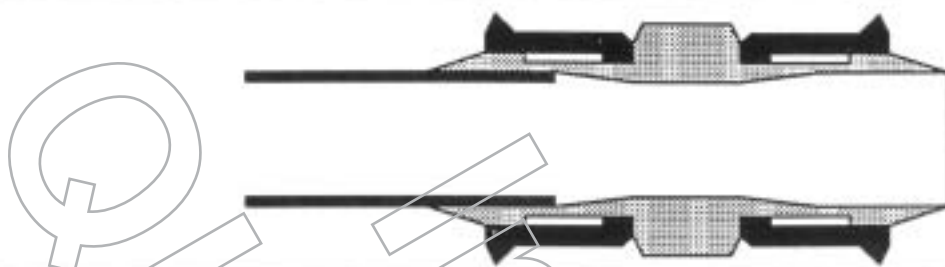
**BRASS COMPRESSION FITTINGS FOR
POLYETHYLENE TUBING**

90° Male Elbow (tube x male pipe) 			Male Run Tee (tube x male pipe x tube) 			45° Male Elbow (tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
469-4A	1/4	1/8	471-4A	1/4	1/8	474-4A	1/4	1/8
469-4B	1/4	1/4	471-4B	1/4	1/4	474-4B	1/4	1/4
469-4C	1/4	3/8	471-5A	5/16	1/8	474-5A	5/16	1/8
469-4D	1/4	1/2	471-5B	5/16	1/4	474-5B	5/16	1/4
469-5A	5/16	1/8	471-6A	3/8	1/8	474-6A	3/8	1/8
469-5B	5/16	1/4	471-6B	3/8	1/4	474-6B	3/8	1/4
469-5C	5/16	3/8	471-6C	3/8	3/8	474-6C	3/8	3/8
469-6A	3/8	1/8	471-8C	1/2	3/8	474-6D	3/8	1/2
469-6B	3/8	1/4	471-8D	1/2	1/2	474-8C	1/2	3/8
469-6C	3/8	3/8				474-8D	1/2	1/2
469-6D	3/8	1/2						
469-6E	3/8	3/4						
469-8B	1/2	1/4						
469-8C	1/2	3/8						
469-8D	1/2	1/2						
469-8E	1/2	3/4						

90° Female Elbow (tube x female pipe) 			Male Branch Tee (tube x tube x male pipe) 			Street Tee (female pipe x male pipe x tube) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
470-4A	1/4	1/8	472-4A	1/4	1/8	476-4A	1/4	1/8
470-4B	1/4	1/4	472-4B	1/4	1/4	476-4B	1/4	1/4
470-4C	1/4	3/8	472-5A	5/16	1/8	476-6B	3/8	1/4
470-4D	1/4	1/2	472-5B	5/16	1/4			
470-5A	5/16	1/8	472-6A	3/8	1/8			
470-5B	5/16	1/4	472-6B	3/8	1/4			
470-6A	3/8	1/8	472-6C	3/8	3/8			
470-6B	3/8	1/4	472-8B	1/2	1/4			
470-6C	3/8	3/8	472-8C	1/2	3/8			
470-6D	3/8	1/2	472-8D	1/2	1/2			
470-6E	3/8	3/4						
470-8B	1/2	1/4						
470-8C	1/2	3/8						
470-8D	1/2	1/2						
470-8E	1/2	3/4						

Bulkhead Union (tube both ends) 		
<u>Part No</u>	<u>Tube</u>	
477-4	1/4	
477-5	5/16	
477-6	3/8	
477-8	1/2	

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Poly-Push nylon fittings are designed to be used exclusively with polyethylene tubing. Permanently retained locking collar can't be lost. This series of fittings can be reused repeatedly.

Applications

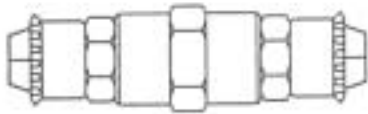
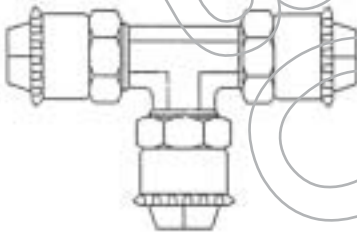
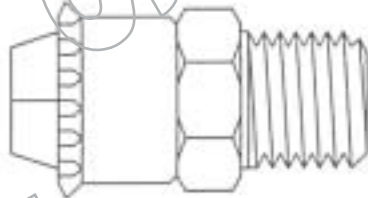
Designed to be used in many applications using standard poly tube.

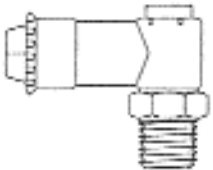
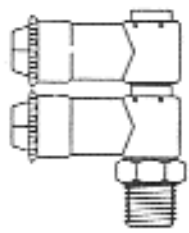
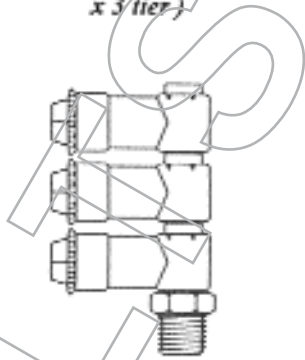
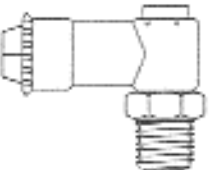
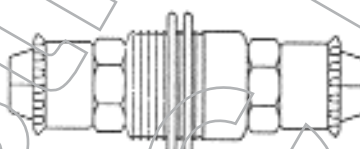
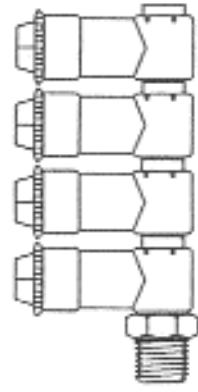
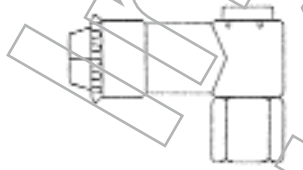
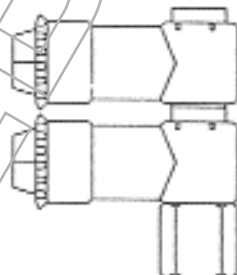
Temperature and Pressure Ranges

Rated for vacuum to 150 P.S.I. depending on pressure rating of tubing.

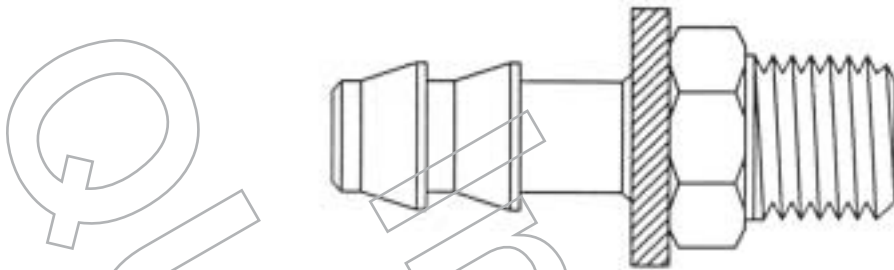
Assembly Instructions

- 1) Cut tubing square
- 2) Push tubing into tapered bore of fitting as far as it will go.
- 3) Push locking ring back towards fitting body for a leakproof seal.
- 4) To disassemble, simply pull locking ring forward and remove tubing.

Union (tube both ends) 			Union Tee (tube all ends) 			Male Connector (tube x male pipe) 		
<u>Part No</u>			<u>Part No</u>			<u>Part No</u>		
562V-4			564V-5/32			568V-5/32X10/32		
562V-6			564V-4			568V-5/32A		
562V-6			564V-6			568V-4X10/32		
Reducing Union (tube both ends)			<u>Tube</u>			<u>Tube</u> <u>Pipe</u>		
<u>Part No</u>			5/32			568V-4A		
562V-4-5/32			1/4			568V-4B		
562V-6-4			3/8			568V-6B		
1/4			5/32			568V-6C		
3/8			1/4			3/8		
5/32			1/8			10/32		
10/32			1/8			1/4		
1/8			1/4			1/4		
1/4			1/4			1/4		
3/8			3/8			3/8		

90° Male Elbow (tube x male pipe) 	Male Swivel Tee (tube x male pipe) 	Male Swivel Manifold (tube x male pipe x 3 tier) 																																																																																	
<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>569V-5/32X10/32</td><td>5/32</td><td>10/32</td></tr><tr><td>569V-5/32A</td><td>5/32</td><td>1/8</td></tr><tr><td>569V-4X10/32</td><td>1/4</td><td>10/32</td></tr><tr><td>569V-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>569V-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>569V-4C</td><td>1/4</td><td>3/8</td></tr><tr><td>569V-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>569V-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>569V-6C</td><td>3/8</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	569V-5/32X10/32	5/32	10/32	569V-5/32A	5/32	1/8	569V-4X10/32	1/4	10/32	569V-4A	1/4	1/8	569V-4B	1/4	1/4	569V-4C	1/4	3/8	569V-6A	3/8	1/8	569V-6B	3/8	1/4	569V-6C	3/8	3/8	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>572V-5/32X10/32</td><td>5/32</td><td>10/32</td></tr><tr><td>572V-5/32A</td><td>5/32</td><td>1/8</td></tr><tr><td>572V-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>572V-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>572V-4C</td><td>1/4</td><td>3/8</td></tr><tr><td>572V-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>572V-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>572V-6C</td><td>3/8</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	572V-5/32X10/32	5/32	10/32	572V-5/32A	5/32	1/8	572V-4A	1/4	1/8	572V-4B	1/4	1/4	572V-4C	1/4	3/8	572V-6A	3/8	1/8	572V-6B	3/8	1/4	572V-6C	3/8	3/8	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>580V-5/32A</td><td>5/32</td><td>1/8</td></tr><tr><td>580V-5/32B</td><td>5/32</td><td>1/4</td></tr><tr><td>580V-5/32C</td><td>5/32</td><td>3/8</td></tr><tr><td>580V-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>580V-4C</td><td>1/4</td><td>3/8</td></tr><tr><td>580V-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>580V-6C</td><td>3/8</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	580V-5/32A	5/32	1/8	580V-5/32B	5/32	1/4	580V-5/32C	5/32	3/8	580V-4B	1/4	1/4	580V-4C	1/4	3/8	580V-6B	3/8	1/4	580V-6C	3/8	3/8
Part No	Tube	Pipe																																																																																	
569V-5/32X10/32	5/32	10/32																																																																																	
569V-5/32A	5/32	1/8																																																																																	
569V-4X10/32	1/4	10/32																																																																																	
569V-4A	1/4	1/8																																																																																	
569V-4B	1/4	1/4																																																																																	
569V-4C	1/4	3/8																																																																																	
569V-6A	3/8	1/8																																																																																	
569V-6B	3/8	1/4																																																																																	
569V-6C	3/8	3/8																																																																																	
Part No	Tube	Pipe																																																																																	
572V-5/32X10/32	5/32	10/32																																																																																	
572V-5/32A	5/32	1/8																																																																																	
572V-4A	1/4	1/8																																																																																	
572V-4B	1/4	1/4																																																																																	
572V-4C	1/4	3/8																																																																																	
572V-6A	3/8	1/8																																																																																	
572V-6B	3/8	1/4																																																																																	
572V-6C	3/8	3/8																																																																																	
Part No	Tube	Pipe																																																																																	
580V-5/32A	5/32	1/8																																																																																	
580V-5/32B	5/32	1/4																																																																																	
580V-5/32C	5/32	3/8																																																																																	
580V-4B	1/4	1/4																																																																																	
580V-4C	1/4	3/8																																																																																	
580V-6B	3/8	1/4																																																																																	
580V-6C	3/8	3/8																																																																																	
90° Flow Control (tube x male pipe) 	Bulkhead Union (tube both ends) 	Male Swivel Manifold (tube x male pipe x 4 tier) 																																																																																	
<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>569F-5/32X10/32</td><td>5/32</td><td>10/32</td></tr><tr><td>569F-5/32A</td><td>5/32</td><td>1/8</td></tr><tr><td>569F-5/32B</td><td>5/32</td><td>1/4</td></tr><tr><td>569F-4X10/32</td><td>1/4</td><td>10/32</td></tr><tr><td>569F-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>569F-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>569F-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>569F-6B</td><td>3/8</td><td>1/4</td></tr></table>	Part No	Tube	Pipe	569F-5/32X10/32	5/32	10/32	569F-5/32A	5/32	1/8	569F-5/32B	5/32	1/4	569F-4X10/32	1/4	10/32	569F-4A	1/4	1/8	569F-4B	1/4	1/4	569F-6A	3/8	1/8	569F-6B	3/8	1/4	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>577V-4 **</td><td>1/4</td></tr><tr><td>577V-6</td><td>3/8</td></tr></table>	Part No	Tube	577V-4 **	1/4	577V-6	3/8																																																	
Part No	Tube	Pipe																																																																																	
569F-5/32X10/32	5/32	10/32																																																																																	
569F-5/32A	5/32	1/8																																																																																	
569F-5/32B	5/32	1/4																																																																																	
569F-4X10/32	1/4	10/32																																																																																	
569F-4A	1/4	1/8																																																																																	
569F-4B	1/4	1/4																																																																																	
569F-6A	3/8	1/8																																																																																	
569F-6B	3/8	1/4																																																																																	
Part No	Tube																																																																																		
577V-4 **	1/4																																																																																		
577V-6	3/8																																																																																		
90° Female Elbow (tube x female pipe) 	Female Swivel Tee (tube x female pipe) 																																																																																		
<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>570V-5/32A</td><td>5/32</td><td>1/8</td></tr><tr><td>570V-5/32B</td><td>5/32</td><td>1/4</td></tr><tr><td>570V-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>570V-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>570V-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>570V-6B</td><td>3/8</td><td>1/4</td></tr></table>	Part No	Tube	Pipe	570V-5/32A	5/32	1/8	570V-5/32B	5/32	1/4	570V-4A	1/4	1/8	570V-4B	1/4	1/4	570V-6A	3/8	1/8	570V-6B	3/8	1/4	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>578V-5/32A</td><td>5/32</td><td>1/8</td></tr><tr><td>578V-4A</td><td>1/4</td><td>1/4</td></tr><tr><td>578V-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>578V-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>578V-6B</td><td>3/8</td><td>1/4</td></tr></table>	Part No	Tube	Pipe	578V-5/32A	5/32	1/8	578V-4A	1/4	1/4	578V-4B	1/4	1/4	578V-6A	3/8	1/8	578V-6B	3/8	1/4	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>581V-5/32B</td><td>5/32</td><td>1/4</td></tr><tr><td>581V-5/32C</td><td>5/32</td><td>3/8</td></tr><tr><td>581V-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>581V-4C</td><td>1/4</td><td>3/8</td></tr><tr><td>581V-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>581V-6C</td><td>3/8</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	581V-5/32B	5/32	1/4	581V-5/32C	5/32	3/8	581V-4B	1/4	1/4	581V-4C	1/4	3/8	581V-6B	3/8	1/4	581V-6C	3/8	3/8																					
Part No	Tube	Pipe																																																																																	
570V-5/32A	5/32	1/8																																																																																	
570V-5/32B	5/32	1/4																																																																																	
570V-4A	1/4	1/8																																																																																	
570V-4B	1/4	1/4																																																																																	
570V-6A	3/8	1/8																																																																																	
570V-6B	3/8	1/4																																																																																	
Part No	Tube	Pipe																																																																																	
578V-5/32A	5/32	1/8																																																																																	
578V-4A	1/4	1/4																																																																																	
578V-4B	1/4	1/4																																																																																	
578V-6A	3/8	1/8																																																																																	
578V-6B	3/8	1/4																																																																																	
Part No	Tube	Pipe																																																																																	
581V-5/32B	5/32	1/4																																																																																	
581V-5/32C	5/32	3/8																																																																																	
581V-4B	1/4	1/4																																																																																	
581V-4C	1/4	3/8																																																																																	
581V-6B	3/8	1/4																																																																																	
581V-6C	3/8	3/8																																																																																	

** = ce produit est discontinué



Characteristics

Lok-On hose barbs offer easy assembly and do not require hose clamps when used with Lok-On hose. This series is manufactured out of CA360 Brass and supplied complete with plastic dust cap to cover cut end of hose.

Applications

Used in low pressure air, oil, lubrication, and fuel lines, also used as coolant lines for injection molds.

Temperature Range

From -40°F to +200°F depending on hose used.

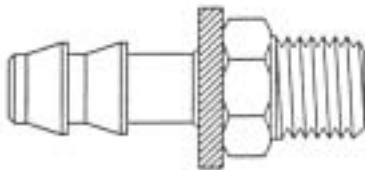
Working Pressure

Up to 350 P.S.I. refer to working pressure of hose being used.

Assembly Instructions

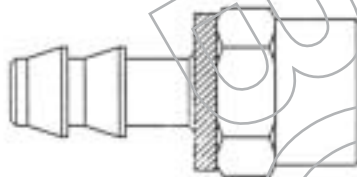
- 1) cut hose square.
- 2) lubricate barb end of fitting.
- 3) clamp fitting in vise and push hose straight onto barb until hose is protected under dust cover.

*Rigid Male Pipe
(hose x male pipe)*



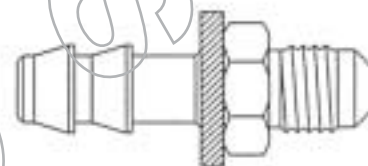
Part No	Hose I.D.	Pipe
725-4A	1/4	1/8
725-4B	1/4	1/4
725-4C	1/4	3/8
725-6A	3/8	1/8
725-6B	3/8	1/4
725-6C	3/8	3/8
725-6D	3/8	1/2
725-6E	3/8	3/4
725-8B	1/2	1/4
725-8C	1/2	3/8
725-8D	1/2	1/2
725-8E	1/2	3/4
725-10C	5/8	3/8
725-10D	5/8	1/2
725-10E	5/8	3/4

*Rigid Female Pipe
(hose x female pipe)*



Part No	Hose I.D.	Pipe
726-4A	1/4	1/8
726-4B	1/4	1/4
726-6B	3/8	1/4
726-6C	3/8	3/8
726-8C	1/2	3/8
726-8D	1/2	1/2
726-10D	5/8	1/2

*Rigid Male 45° Flare
(hose x male flare)*



Part No	Hose I.D.	Tube
727-44	1/4	1/4
727-45	1/4	5/16
727-66	3/8	3/8
727-88	1/2	1/2
727-1010 **	5/8	5/8

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Swivel Female 45° S.A.E.
(hose x female flare)

Part No	Hose I.D.	Tube
728-44	1/4	1/4
728-45	1/4	5/16
728-66	3/8	3/8
728-68	3/8	1/2
728-88	1/2	1/2
728-810	1/2	5/8
728-1010	5/8	5/8
728-1210	3/4	5/8
728-1212	3/4	3/4

Hose Splicer
(hose both ends)

Part No	Hose I.D.
729-4	1/4
729-6	3/8
729-8	1/2
729-10	5/8
729-12	3/4

Swivel Female NPSM
(30° ball seat type)

Part No	Hose I.D.	Pipe
731-4B	1/4	1/4
731-6B	3/8	1/4
731-6C	3/8	3/8
731-8D	1/2	1/2

Tube Shank
(hose x tube splicer)

Part No	Hose I.D.	Tube
732-43	1/4	3/16
732-44	1/4	1/4
732-45	1/4	5/16
732-66	3/8	3/8
732-68	3/8	1/2
732-88	1/2	1/2

Swivel Male Inverted Flare
(hose x tube)

Part No	Hose I.D.	Tube
735-43	1/4	3/16
735-44	1/4	1/4
735-45	1/4	5/16
735-66	3/8	3/8
735-88	1/2	1/2
735-1010	5/8	5/8

Rigid Female Inverted Flare
(hose x tube)

Part No	Hose I.D.	Tube
736-43	1/4	3/16
736-44	1/4	1/4
736-45	1/4	5/16
736-66	3/8	3/8
736-88	1/2	1/2

Rigid Male 37° J.I.C. Flare
(hose x tube)

Part No	Hose I.D.	Tube
737-44	1/4	1/4
737-45	1/4	5/16
737-66	3/8	3/8
737-88	1/2	1/2

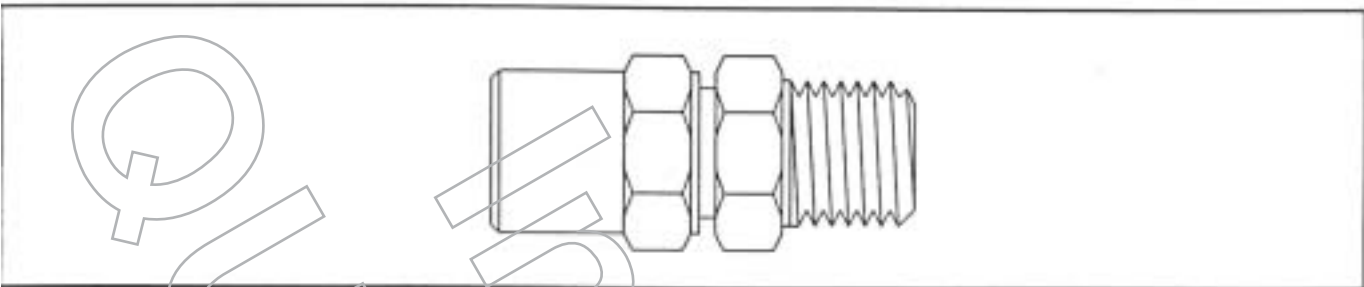
Swivel Female 37° J.I.C. Flare
(hose x tube)

Part No	Hose I.D.	Tube
738-44	1/4	1/4
738-45	1/4	5/16
738-66	3/8	3/8
738-88	1/2	1/2
738-1010	5/8	5/8
738-1212	3/4	3/4

90° Male Pipe Elbow
(hose x male pipe)

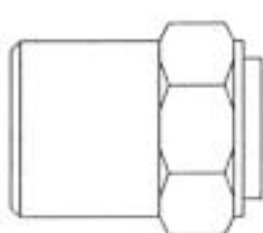
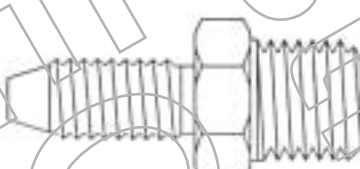
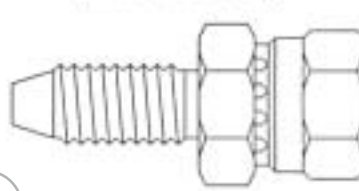
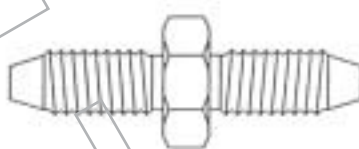
Part No	Hose I.D.	Pipe
739-4A	1/4	1/8
739-4B	1/4	1/4
739-6A	3/8	1/8
739-6B	3/8	1/4

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics
Re-usable hose fittings are made from CA360 brass and are of heavy duty construction. No crimping or skiving required.

Applications
Used in any hose application where a durable connection is required or where ease of repair is a consideration.

Hose Ferrule			Male Stem (hose x N.P.T.)			Swivel Female Pipe Stem (hose x N.P.S.M)		
								
Part No	Hose O.D.	Hose I.D.	Part No	Hose I.D.	Pipe	Part No	Hose I.D.	Pipe
750-63 **	3/8	3/16	751-3A **	3/16	1/8	752-3B	3/16	1/4
750-73 **	7/16	3/16	751-3B **	3/16	1/4	752-4B	1/4	1/4
750-84	1/2	1/4	751-4A	1/4	1/8	752-4C	1/4	3/8
750-94	9/16	1/4	751-4B	1/4	1/4	752-5B	5/16	1/4
750-104	5/8	1/4	751-4C	1/4	3/8	752-6B	3/8	1/4
750-95	9/16	5/16	751-5B	5/16	1/4	752-6C	3/8	3/8
750-105	5/8	5/16	751-5C	5/16	3/8	752-6D **	3/8	1/2
750-115	11/16	5/16	751-6B	3/8	1/4	752-8D	1/2	1/2
750-106	5/8	3/8	751-6C	3/8	3/8			
750-116	11/16	3/8	751-6D	3/8	1/2			
750-126	3/4	3/8	751-8B	1/2	1/4			
750-148	7/8	1/2	751-8C	1/2	3/8			
750-158	15/16	1/2	751-8D	1/2	1/2			
750-168	1	1/2						
						Hose Splicer Stem (hose both ends)		
								
						Part No	Hose I.D.	
						753-4	1/4	
						753-6	3/8	

** = ce produit est discontinué

RACCORDS EN LAITON PRISE DE PRÉCISION

PRECISION GRIP BRASS FITTINGS

Advantages

Designed for use in applications where vibration is a major factor. May be used with nylon, polyethylene, copper and aluminum tubing. Commonly used in trucking applications for small (1/8") air supply lines.

Sleeve

Part No

860-2
860-5/32

Tube

1/8
5/32

Nut

Part No

861-2
861-5/32

Tube

1/8
5/32

**Male Connector
(tube x male pipe)**

Part No

Tube

Pipe

868-2X1	1/8	1/16
868-2A	1/8	1/8
868-5/32X1	5/32	1/16
868-5/32A	5/32	1/8

Union

Part No

862-2
862-5/32 **

Tube

1/8
5/32

**90° Male Elbow
(tube x male pipe)**

Part No

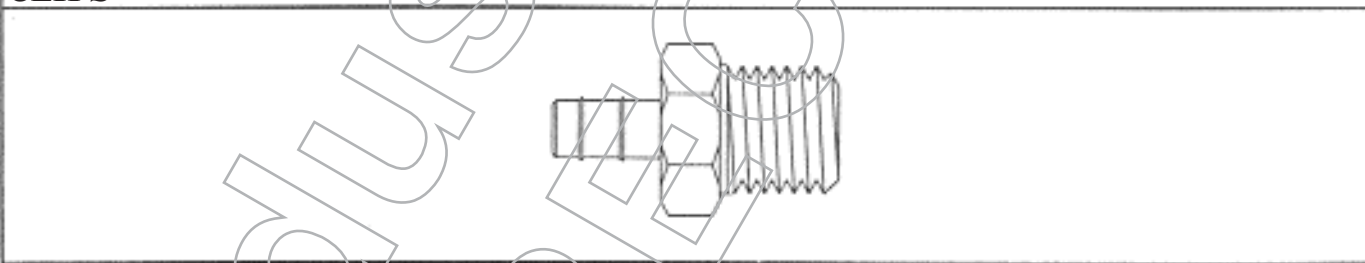
Tube

Pipe

869-2X1	1/8	1/16
869-2A	1/8	1/8
869-5/32A	5/32	1/8

RACCORDS EN LAITON PRISE AVEC CLIPS

POLY-BARB BRASS FITTINGS



Characteristics

Poly-Barb brass fittings are a quick economical method of connecting to polyethylene tubing. This series of fittings has excellent vibration resistance.

Applications

May be used in any application in which polyethylene tubing is found, including Instrumentation, Enviromental controls, Pneumatic systems etc. May be used with standard polyethylene tubing series 360, or with fire retardent polyethylene tubing series FR360.

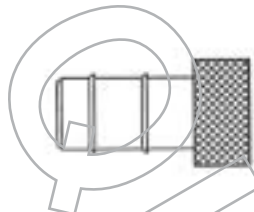
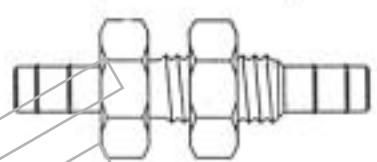
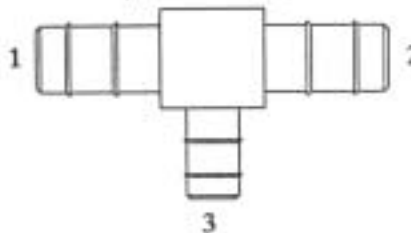
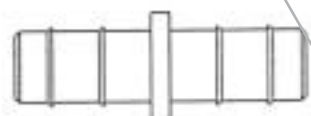
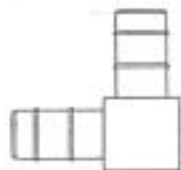
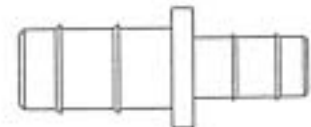
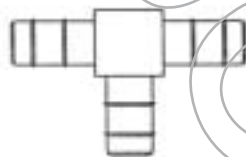
Temperature Range

From -40°F to +135°F with polyethylene tubing.

Working Pressure

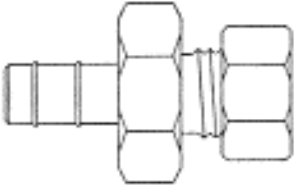
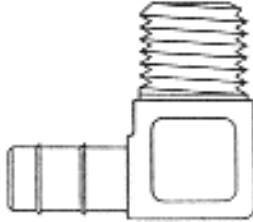
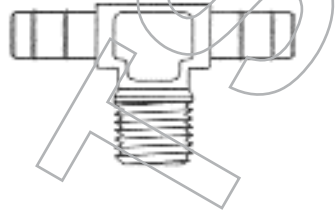
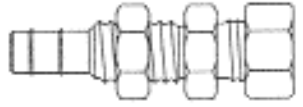
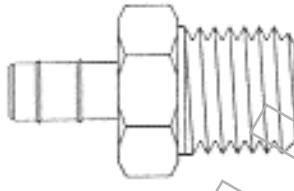
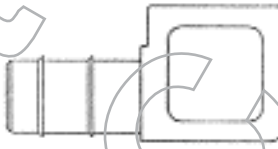
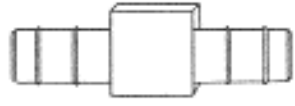
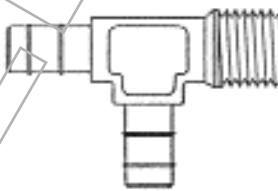
Will withstand burst pressures of polyethylene tubing.

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

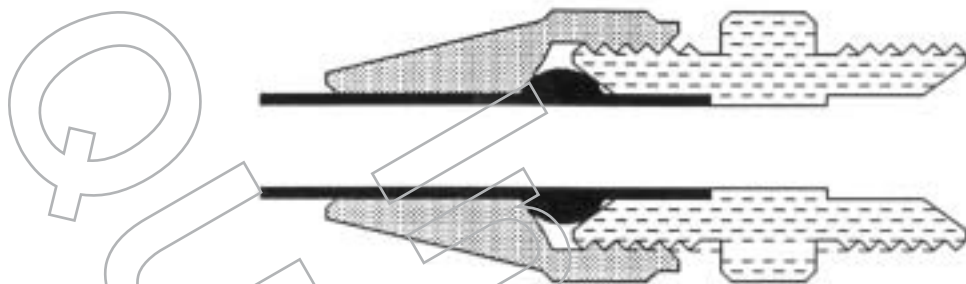
Tube Plug 	Bulkhead Union (barb both ends) 	Reducing Union Tee (tube all ends) 																																																	
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>958-4</td><td>1/4</td></tr><tr><td>958-6</td><td>3/8</td></tr><tr><td>958-8</td><td>1/2</td></tr></table>	Part No	Tube	958-4	1/4	958-6	3/8	958-8	1/2	<table><tr><th>Part No</th><th>Tube</th><th>Tube</th></tr><tr><td>962BH-4</td><td>1/4</td><td>1/4</td></tr><tr><td>962BH-6</td><td>3/8</td><td>3/8</td></tr></table>	Part No	Tube	Tube	962BH-4	1/4	1/4	962BH-6	3/8	3/8	<table><tr><th>Part No</th><th colspan="3">Tube Size</th></tr><tr><td></td><th>1</th><th>2</th><th>3</th></tr><tr><td>964-4-5/32</td><td>1/4</td><td>1/4</td><td>5/32</td></tr><tr><td>964-6-5/32</td><td>3/8</td><td>3/8</td><td>5/32</td></tr><tr><td>964-6-4</td><td>3/8</td><td>3/8</td><td>1/4</td></tr><tr><td>964-8-4</td><td>1/2</td><td>1/2</td><td>1/4</td></tr><tr><td>964-8-6 **</td><td>1/2</td><td>1/2</td><td>3/8</td></tr></table>	Part No	Tube Size				1	2	3	964-4-5/32	1/4	1/4	5/32	964-6-5/32	3/8	3/8	5/32	964-6-4	3/8	3/8	1/4	964-8-4	1/2	1/2	1/4	964-8-6 **	1/2	1/2	3/8				
Part No	Tube																																																		
958-4	1/4																																																		
958-6	3/8																																																		
958-8	1/2																																																		
Part No	Tube	Tube																																																	
962BH-4	1/4	1/4																																																	
962BH-6	3/8	3/8																																																	
Part No	Tube Size																																																		
	1	2	3																																																
964-4-5/32	1/4	1/4	5/32																																																
964-6-5/32	3/8	3/8	5/32																																																
964-6-4	3/8	3/8	1/4																																																
964-8-4	1/2	1/2	1/4																																																
964-8-6 **	1/2	1/2	3/8																																																
Union (tube both ends) 	Solder Connector (barb x solder) 	90° Union Elbow (tube both ends) 																																																	
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>962-5/32</td><td>5/32</td></tr><tr><td>962-4</td><td>1/4</td></tr><tr><td>962-4L*</td><td>1/4</td></tr><tr><td>962-6</td><td>3/8</td></tr><tr><td>962-8</td><td>1/2</td></tr><tr><td colspan="2">* LONG</td></tr></table>	Part No	Tube	962-5/32	5/32	962-4	1/4	962-4L*	1/4	962-6	3/8	962-8	1/2	* LONG		<table><tr><th>Part No</th><th>Tube</th><th>Tube</th></tr><tr><td>963-4-4</td><td>1/4</td><td>1/4</td></tr></table>	Part No	Tube	Tube	963-4-4	1/4	1/4	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>965-5/32</td><td>5/32</td></tr><tr><td>965-4</td><td>1/4</td></tr><tr><td>965-6</td><td>3/8</td></tr><tr><td>965-8</td><td>1/2</td></tr></table>	Part No	Tube	965-5/32	5/32	965-4	1/4	965-6	3/8	965-8	1/2																			
Part No	Tube																																																		
962-5/32	5/32																																																		
962-4	1/4																																																		
962-4L*	1/4																																																		
962-6	3/8																																																		
962-8	1/2																																																		
* LONG																																																			
Part No	Tube	Tube																																																	
963-4-4	1/4	1/4																																																	
Part No	Tube																																																		
965-5/32	5/32																																																		
965-4	1/4																																																		
965-6	3/8																																																		
965-8	1/2																																																		
Reducing Union (tube both ends) 	Union Tee (tube all ends) 	Female Connector (tube x female pipe) 																																																	
<table><tr><th>Part No</th><th>Tube</th><th>Tube</th></tr><tr><td>962-4-5/32</td><td>1/4</td><td>5/32</td></tr><tr><td>962-4-3</td><td>1/4</td><td>3/16</td></tr><tr><td>962-6-4</td><td>3/8</td><td>1/4</td></tr><tr><td>962-8-4</td><td>1/2</td><td>1/4</td></tr><tr><td>962-8-6</td><td>1/2</td><td>3/8</td></tr></table>	Part No	Tube	Tube	962-4-5/32	1/4	5/32	962-4-3	1/4	3/16	962-6-4	3/8	1/4	962-8-4	1/2	1/4	962-8-6	1/2	3/8	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>964-5/32</td><td>5/32</td></tr><tr><td>964-4</td><td>1/4</td></tr><tr><td>964-6</td><td>3/8</td></tr><tr><td>964-8</td><td>1/2</td></tr></table>	Part No	Tube	964-5/32	5/32	964-4	1/4	964-6	3/8	964-8	1/2	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>966-4X1</td><td>1/4</td><td>1/16</td></tr><tr><td>966-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>966-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>966-6A **</td><td>3/8</td><td>1/8</td></tr><tr><td>966-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>966-8C **</td><td>1/2</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	966-4X1	1/4	1/16	966-4A	1/4	1/8	966-4B	1/4	1/4	966-6A **	3/8	1/8	966-6B	3/8	1/4	966-8C **	1/2	3/8
Part No	Tube	Tube																																																	
962-4-5/32	1/4	5/32																																																	
962-4-3	1/4	3/16																																																	
962-6-4	3/8	1/4																																																	
962-8-4	1/2	1/4																																																	
962-8-6	1/2	3/8																																																	
Part No	Tube																																																		
964-5/32	5/32																																																		
964-4	1/4																																																		
964-6	3/8																																																		
964-8	1/2																																																		
Part No	Tube	Pipe																																																	
966-4X1	1/4	1/16																																																	
966-4A	1/4	1/8																																																	
966-4B	1/4	1/4																																																	
966-6A **	3/8	1/8																																																	
966-6B	3/8	1/4																																																	
966-8C **	1/2	3/8																																																	

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Compression Adaptor (barb x compression) 			90° Male Elbow (barb x male pipe) 			Male Branch Tee (tube x tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>	<u>Tube</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
967-4-4	1/4	1/4	969-5/32A	5/32	1/8	972-4A	1/4	1/8
			969-4X1	1/4	1/16	972-6A	3/8	1/8
			969-4A	1/4	1/8	972-6B	3/8	1/4
			969-4B	1/4	1/4			
			969-6A	3/8	1/8	Bulkhead Adaptor (barb x compression) 		
			969-6B	3/8	1/4			
			969-8C	1/2	3/8	<u>Part No</u>	<u>Tube</u>	<u>Tube</u>
Male Connector (barb x male pipe) 			90° Female Elbow (barb x female pipe) 			977-4	1/4	1/4
			<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	977-6	3/8	3/8
			970-4A	1/4	1/8	Female Branch Tee (tube x tube x female Pipe) 		
			970-4B	1/4	1/4			
			970-6A	3/8	1/8	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
			970-6B	3/8	1/4	978-5/32A	5/32	1/8
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	Male Run Tee (tube x male pipe x tube) 			978-4A	1/4	1/8
968-5/32A	5/32	1/8						
968-4X1	1/4	1/16	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>			
968-4A	1/4	1/8	971-4X1	1/4	1/16			
968-4B	1/4	1/4	971-4A	1/4	1/8			
968-6A	3/8	1/8	971-6A	3/8	1/8			
968-6B	3/8	1/4	971-6B	3/8	1/4			
968-6D	3/8	1/2						
968-8B	1/2	1/4						
968-8C	1/2	3/8						

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Meets D.O.T. and S.A.E. Standards. Easy to assemble (no flaring) and come in a wide variety of configurations and sizes.

Applications

Designed for use with copper tubing in truck and trailer applications including air brakes.

Temperature Range

From -65°F to +250°F

Pressure Rating

Up to 400 P.S.I.

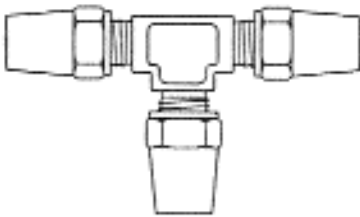
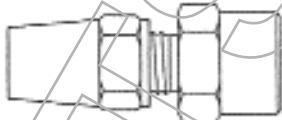
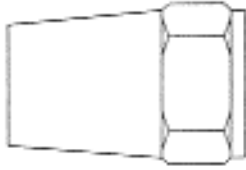
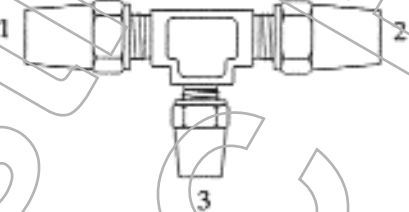
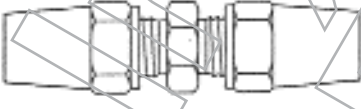
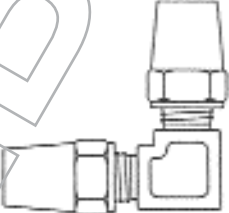
Assembly Instructions

- 1) Cut tubing square and deburr.
- 2) Slide nut then sleeve onto tubing. Threaded end of nut must face out.
- 3) Insert tubing into fitting until it seats on tube stop.
- 4) Screw nut onto body finger tight.
- 5) Use chart at right as a guide for wrench tightening from finger tight.

Final Assembly Instructions

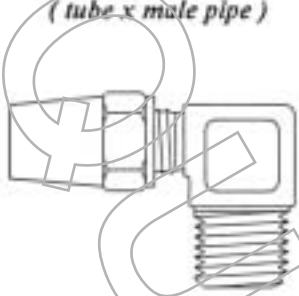
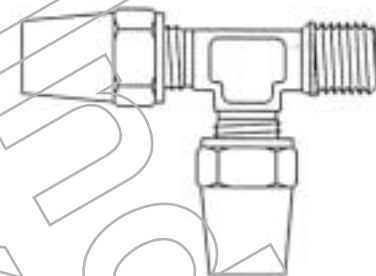
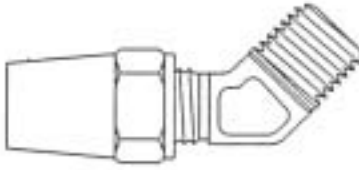
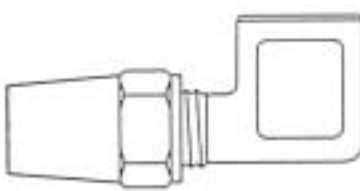
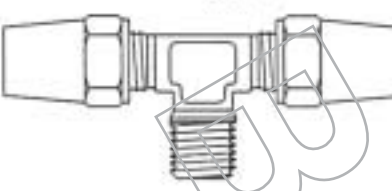
Tube Outside Diameter inches	Turns with wrench to seal from hand-tight
1/4	2
3/8	2
1/2	2
5/8	3
3/4	3

RACCORDS DE FREIN À AIR POUR LA TUYAUTERIE EN CUIVRE **AIR BRAKE FITTINGS FOR COPPER TUBING**
-*Plus Populaire-

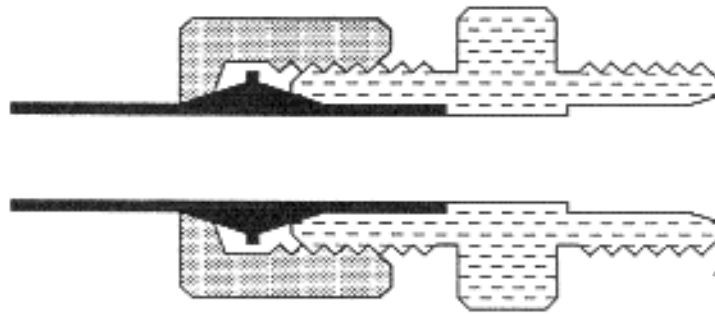
*Spherical Sleeve 	*Union Tee (tube all ends) 	*Female Connector (tube x female pipe) 																																																																									
<table><tr><th><u>Part No</u></th><th><u>Tube</u></th></tr><tr><td>1160-4</td><td>1/4</td></tr><tr><td>1160-6</td><td>3/8</td></tr><tr><td>1160-8</td><td>1/2</td></tr><tr><td>1160-10</td><td>5/8</td></tr><tr><td>1160-12</td><td>3/4</td></tr><tr><td>1160-16</td><td>1</td></tr></table>	<u>Part No</u>	<u>Tube</u>	1160-4	1/4	1160-6	3/8	1160-8	1/2	1160-10	5/8	1160-12	3/4	1160-16	1	<table><tr><th><u>Part No</u></th><th><u>Tube</u></th></tr><tr><td>1164-4</td><td>1/4</td></tr><tr><td>1164-6</td><td>3/8</td></tr><tr><td>1164-8</td><td>1/2</td></tr><tr><td>1164-10</td><td>5/8</td></tr><tr><td>1164-12</td><td>3/4</td></tr></table>	<u>Part No</u>	<u>Tube</u>	1164-4	1/4	1164-6	3/8	1164-8	1/2	1164-10	5/8	1164-12	3/4	<table><tr><th><u>Part No</u></th><th><u>Tube</u></th><th><u>Pipe</u></th></tr><tr><td>1166-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>1166-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>1166-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>1166-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>1166-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>1166-8B</td><td>1/2</td><td>1/4</td></tr><tr><td>1166-8C</td><td>1/2</td><td>3/8</td></tr><tr><td>1166-8D</td><td>1/2</td><td>1/2</td></tr><tr><td>1166-10C</td><td>5/8</td><td>3/8</td></tr><tr><td>1166-10D</td><td>5/8</td><td>1/2</td></tr><tr><td>1166-12E</td><td>3/4</td><td>3/4</td></tr></table>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	1166-4A	1/4	1/8	1166-4B	1/4	1/4	1166-6A	3/8	1/8	1166-6B	3/8	1/4	1166-6C	3/8	3/8	1166-8B	1/2	1/4	1166-8C	1/2	3/8	1166-8D	1/2	1/2	1166-10C	5/8	3/8	1166-10D	5/8	1/2	1166-12E	3/4	3/4											
<u>Part No</u>	<u>Tube</u>																																																																										
1160-4	1/4																																																																										
1160-6	3/8																																																																										
1160-8	1/2																																																																										
1160-10	5/8																																																																										
1160-12	3/4																																																																										
1160-16	1																																																																										
<u>Part No</u>	<u>Tube</u>																																																																										
1164-4	1/4																																																																										
1164-6	3/8																																																																										
1164-8	1/2																																																																										
1164-10	5/8																																																																										
1164-12	3/4																																																																										
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>																																																																									
1166-4A	1/4	1/8																																																																									
1166-4B	1/4	1/4																																																																									
1166-6A	3/8	1/8																																																																									
1166-6B	3/8	1/4																																																																									
1166-6C	3/8	3/8																																																																									
1166-8B	1/2	1/4																																																																									
1166-8C	1/2	3/8																																																																									
1166-8D	1/2	1/2																																																																									
1166-10C	5/8	3/8																																																																									
1166-10D	5/8	1/2																																																																									
1166-12E	3/4	3/4																																																																									
*Long Nut 	Reducing Union Tee (tube all ends) 	*Male Connector (tube x male pipe) 																																																																									
<table><tr><th><u>Part No</u></th><th><u>Tube</u></th></tr><tr><td>1161-4</td><td>1/4</td></tr><tr><td>1161-6</td><td>3/8</td></tr><tr><td>1161-8</td><td>1/2</td></tr><tr><td>1161-10</td><td>5/8</td></tr><tr><td>1161-12</td><td>3/4</td></tr><tr><td>1161-16</td><td>1</td></tr></table>	<u>Part No</u>	<u>Tube</u>	1161-4	1/4	1161-6	3/8	1161-8	1/2	1161-10	5/8	1161-12	3/4	1161-16	1	<table><tr><th><u>Part No</u></th><th colspan="3"><u>Tube Size</u></th></tr><tr><td>1164-6-4</td><td>3/8</td><td>3/8</td><td>1/4</td></tr></table>	<u>Part No</u>	<u>Tube Size</u>			1164-6-4	3/8	3/8	1/4	<table><tr><th><u>Part No</u></th><th><u>Tube</u></th><th><u>Pipe</u></th></tr><tr><td>1168-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>1168-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>1168-4C</td><td>1/4</td><td>3/8</td></tr><tr><td>1168-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>1168-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>1168-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>1168-6D</td><td>3/8</td><td>1/2</td></tr><tr><td>1168-8B</td><td>1/2</td><td>1/4</td></tr><tr><td>1168-8C</td><td>1/2</td><td>3/8</td></tr><tr><td>1168-8D</td><td>1/2</td><td>1/2</td></tr><tr><td>1168-8E</td><td>1/2</td><td>3/4</td></tr><tr><td>1168-10C</td><td>5/8</td><td>3/8</td></tr><tr><td>1168-10D</td><td>5/8</td><td>1/2</td></tr><tr><td>1168-10E</td><td>5/8</td><td>3/4</td></tr><tr><td>1168-12D</td><td>3/4</td><td>1/2</td></tr><tr><td>1168-12E</td><td>3/4</td><td>3/4</td></tr></table>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	1168-4A	1/4	1/8	1168-4B	1/4	1/4	1168-4C	1/4	3/8	1168-6A	3/8	1/8	1168-6B	3/8	1/4	1168-6C	3/8	3/8	1168-6D	3/8	1/2	1168-8B	1/2	1/4	1168-8C	1/2	3/8	1168-8D	1/2	1/2	1168-8E	1/2	3/4	1168-10C	5/8	3/8	1168-10D	5/8	1/2	1168-10E	5/8	3/4	1168-12D	3/4	1/2	1168-12E	3/4	3/4
<u>Part No</u>	<u>Tube</u>																																																																										
1161-4	1/4																																																																										
1161-6	3/8																																																																										
1161-8	1/2																																																																										
1161-10	5/8																																																																										
1161-12	3/4																																																																										
1161-16	1																																																																										
<u>Part No</u>	<u>Tube Size</u>																																																																										
1164-6-4	3/8	3/8	1/4																																																																								
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>																																																																									
1168-4A	1/4	1/8																																																																									
1168-4B	1/4	1/4																																																																									
1168-4C	1/4	3/8																																																																									
1168-6A	3/8	1/8																																																																									
1168-6B	3/8	1/4																																																																									
1168-6C	3/8	3/8																																																																									
1168-6D	3/8	1/2																																																																									
1168-8B	1/2	1/4																																																																									
1168-8C	1/2	3/8																																																																									
1168-8D	1/2	1/2																																																																									
1168-8E	1/2	3/4																																																																									
1168-10C	5/8	3/8																																																																									
1168-10D	5/8	1/2																																																																									
1168-10E	5/8	3/4																																																																									
1168-12D	3/4	1/2																																																																									
1168-12E	3/4	3/4																																																																									
*Union (tube both ends) 	*90° Union Elbow (tube both ends) 																																																																										
<table><tr><th><u>Part No</u></th><th><u>Tube</u></th></tr><tr><td>1162-4</td><td>1/4</td></tr><tr><td>1162-6</td><td>3/8</td></tr><tr><td>1162-8</td><td>1/2</td></tr><tr><td>1162-10</td><td>5/8</td></tr><tr><td>1162-12</td><td>3/4</td></tr></table>	<u>Part No</u>	<u>Tube</u>	1162-4	1/4	1162-6	3/8	1162-8	1/2	1162-10	5/8	1162-12	3/4	<table><tr><th><u>Part No</u></th><th><u>Tube</u></th></tr><tr><td>1165-4</td><td>1/4</td></tr><tr><td>1165-6</td><td>3/8</td></tr><tr><td>1165-8</td><td>1/2</td></tr><tr><td>1165-10</td><td>5/8</td></tr><tr><td>1165-12</td><td>3/4</td></tr></table>	<u>Part No</u>	<u>Tube</u>	1165-4	1/4	1165-6	3/8	1165-8	1/2	1165-10	5/8	1165-12	3/4																																																		
<u>Part No</u>	<u>Tube</u>																																																																										
1162-4	1/4																																																																										
1162-6	3/8																																																																										
1162-8	1/2																																																																										
1162-10	5/8																																																																										
1162-12	3/4																																																																										
<u>Part No</u>	<u>Tube</u>																																																																										
1165-4	1/4																																																																										
1165-6	3/8																																																																										
1165-8	1/2																																																																										
1165-10	5/8																																																																										
1165-12	3/4																																																																										

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

RACCORDS DE FREIN À AIR POUR LA TUYAUTERIE EN CUIVRE **AIR BRAKE FITTINGS FOR COPPER TUBING**
-*Plus Populaire-

* 90° Male Elbow (tube x male pipe) 			* Male Run Tee (tube x male pipe x tube) 			* 45° Male Pipe Elbow (tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
1169-4A	1/4	1/8	1171-4A	1/4	1/8	1174-4A	1/4	1/8
1169-4B	1/4	1/4	1171-4B	1/4	1/4	1174-4B	1/4	1/4
1169-4C	1/4	3/8	1171-6A **	3/8	1/8	1174-6A	3/8	1/8
1169-6A	3/8	1/8	1171-6B	3/8	1/4	1174-6B	3/8	1/4
1169-6B	3/8	1/4	1171-6C	3/8	3/8	1174-6C	3/8	3/8
1169-6C	3/8	3/8	1171-8C	1/2	3/8	1174-6D	3/8	1/2
1169-6D	3/8	1/2	1171-8D	1/2	1/2	1174-8B	1/2	1/4
1169-8B	1/2	1/4	1171-10D	5/8	1/2	1174-8C	1/2	3/8
1169-8C	1/2	3/8				1174-8D	1/2	1/2
1169-8D	1/2	1/2				1174-10D	5/8	1/2
1169-8E	1/2	3/4						
1169-10C	5/8	3/8						
1169-10D	5/8	1/2						
1169-10E **	5/8	3/4						
1169-12D	3/4	1/2						
1169-12E	3/4	3/4						
90° Female Elbow (tube x female pipe) 			* Male Branch Tee (tube x tube x male pipe) 			Bulkhead Union (tube both ends) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	
1170-4A	1/4	1/8	1172-4A	1/4	1/8	1177-4	1/4	
1170-4B	1/4	1/4	1172-4B	1/4	1/4	1177-6	3/8	
1170-6A	3/8	1/8	1172-6A	3/8	1/8	1177-8	1/2	
1170-6B	3/8	1/4	1172-6B	3/8	1/4			
1170-6C	3/8	3/8	1172-6C	3/8	3/8			
1170-8C	1/2	3/8	1172-8C	1/2	3/8			
1170-8D	1/2	1/2	1172-8D	1/2	1/2			
1170-10D	5/8	1/2	1172-10D	5/8	1/2			
			1172-12D	3/4	1/2			

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
 For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Designed for use exclusively with S.A.E. J844 Type 3A and Type 3B nylon tubing. Fittings are supplied with staked in tube supports and ribbed sleeves.

Applications

Used in truck air brake and cab air control systems where temperatures do not exceed +200°F or where the tubing is not exposed to battery acid.

Temperature Range

From -40°F to +200°F

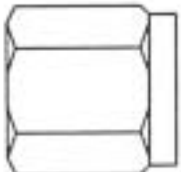
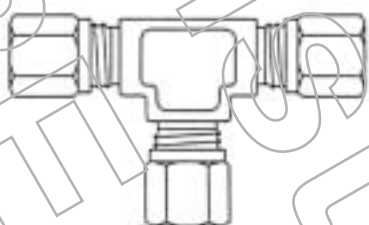
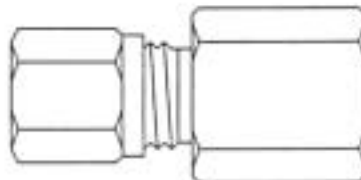
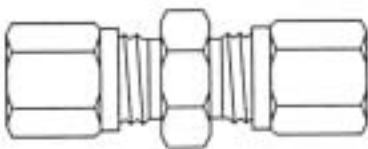
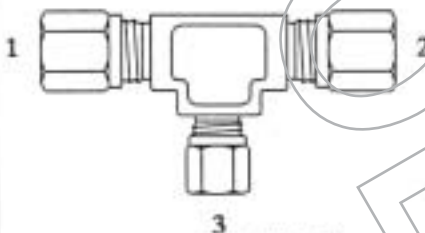
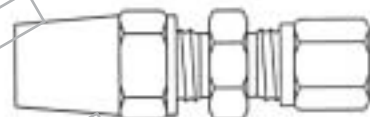
Working Pressure

Maximum 150 P.S.I.

Assembly Instructions

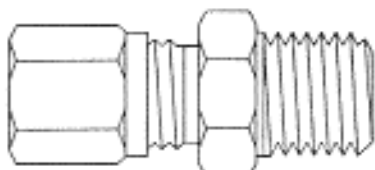
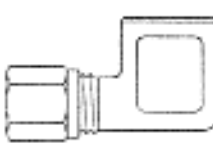
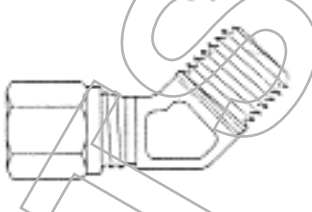
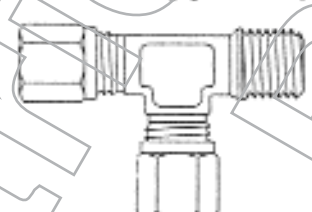
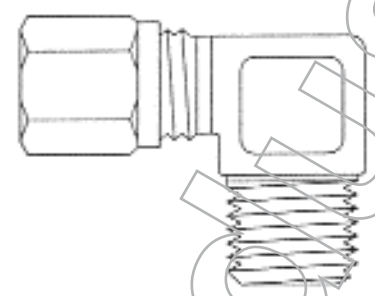
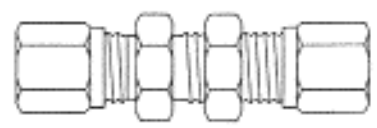
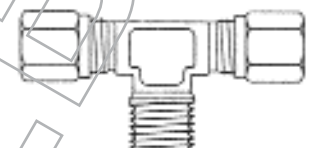
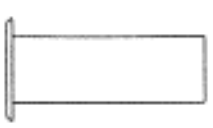
- 1) Cut tubing squarely.
- 2) Slide nut then sleeve onto tubing, ensuring that the threaded end of nut is facing out.
- 3) Push tubing into fitting body until it bottoms onto tube stop.
- 4) Screw nut onto body until finger tight.
- 5) Wrench tighten as follows.
- 6) -4 size tighten nut to 85 to 115 inch lbs. or approx. 3 turns.
 - 6 size tighten nut to 12 to 17 foot lbs. or approx. 4 turns.
 - 8 size tighten nut to 25 to 33 foot lbs. or approx. 4 turns.
 - 10 size tighten nut to 26 to 35 foot lbs. or approx. 3-½ turns.
 - 12 size tighten nut to 38 to 50 foot lbs. or approx. 3-½ turns.

RACCORDS DE FREIN À AIR POUR LA TUYAUTERIE EN NYLON *-*Plus Populaire-* AIR BRAKE FITTINGS FOR NYLON TUBING

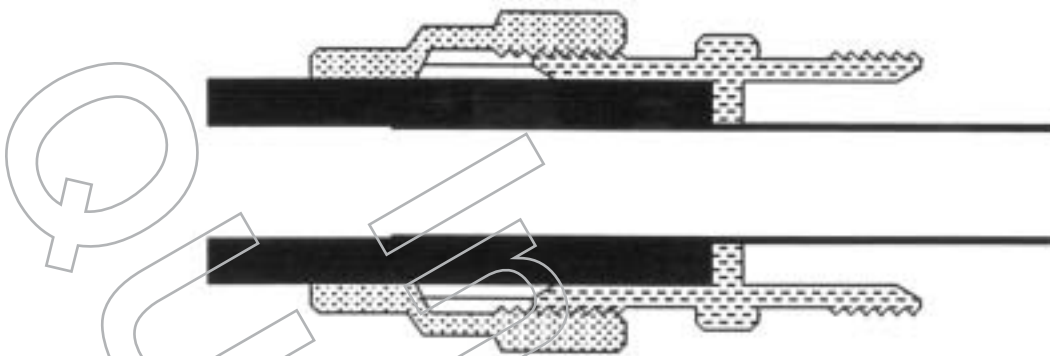
*Ribbed Sleeve 	Bulkhead Adaptor (copper x nylon) 	*90° Union Elbow (tube both ends) 																																																						
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>1460-4</td><td>1/4</td></tr><tr><td>1460-6</td><td>3/8</td></tr><tr><td>1460-8</td><td>1/2</td></tr><tr><td>1460-10</td><td>5/8</td></tr><tr><td>1460-12</td><td>3/4</td></tr></table>	Part No	Tube	1460-4	1/4	1460-6	3/8	1460-8	1/2	1460-10	5/8	1460-12	3/4	<table><tr><th>Part No</th><th>Tube</th><th>Tube</th></tr><tr><td>1463-4-4</td><td>1/4</td><td>1/4</td></tr><tr><td>1463-6-6</td><td>3/8</td><td>3/8</td></tr><tr><td>1463-8-8</td><td>1/2</td><td>1/2</td></tr></table>	Part No	Tube	Tube	1463-4-4	1/4	1/4	1463-6-6	3/8	3/8	1463-8-8	1/2	1/2	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>1465-4</td><td>1/4</td></tr><tr><td>1465-6</td><td>3/8</td></tr><tr><td>1465-8</td><td>1/2</td></tr><tr><td>1465-10</td><td>5/8</td></tr><tr><td>1465-12</td><td>3/4</td></tr></table>	Part No	Tube	1465-4	1/4	1465-6	3/8	1465-8	1/2	1465-10	5/8	1465-12	3/4																		
Part No	Tube																																																							
1460-4	1/4																																																							
1460-6	3/8																																																							
1460-8	1/2																																																							
1460-10	5/8																																																							
1460-12	3/4																																																							
Part No	Tube	Tube																																																						
1463-4-4	1/4	1/4																																																						
1463-6-6	3/8	3/8																																																						
1463-8-8	1/2	1/2																																																						
Part No	Tube																																																							
1465-4	1/4																																																							
1465-6	3/8																																																							
1465-8	1/2																																																							
1465-10	5/8																																																							
1465-12	3/4																																																							
Nut 	Union Tee (tube all ends) 	*Female Connector (tube x female pipe) 																																																						
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>1461-4</td><td>1/4</td></tr><tr><td>1461-6</td><td>3/8</td></tr><tr><td>1461-8</td><td>1/2</td></tr><tr><td>1461-10</td><td>5/8</td></tr><tr><td>1461-12</td><td>3/4</td></tr></table>	Part No	Tube	1461-4	1/4	1461-6	3/8	1461-8	1/2	1461-10	5/8	1461-12	3/4	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>1464-4</td><td>1/4</td></tr><tr><td>1464-6</td><td>3/8</td></tr><tr><td>1464-8</td><td>1/2</td></tr><tr><td>1464-10</td><td>5/8</td></tr><tr><td>1464-12</td><td>3/4</td></tr></table>	Part No	Tube	1464-4	1/4	1464-6	3/8	1464-8	1/2	1464-10	5/8	1464-12	3/4	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>1466-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>1466-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>1466-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>1466-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>1466-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>1466-8C</td><td>1/2</td><td>3/8</td></tr><tr><td>1466-8D</td><td>1/2</td><td>1/2</td></tr><tr><td>1466-10C</td><td>5/8</td><td>3/8</td></tr><tr><td>1466-10D</td><td>5/8</td><td>1/2</td></tr></table>	Part No	Tube	Pipe	1466-4A	1/4	1/8	1466-4B	1/4	1/4	1466-6A	3/8	1/8	1466-6B	3/8	1/4	1466-6C	3/8	3/8	1466-8C	1/2	3/8	1466-8D	1/2	1/2	1466-10C	5/8	3/8	1466-10D	5/8	1/2
Part No	Tube																																																							
1461-4	1/4																																																							
1461-6	3/8																																																							
1461-8	1/2																																																							
1461-10	5/8																																																							
1461-12	3/4																																																							
Part No	Tube																																																							
1464-4	1/4																																																							
1464-6	3/8																																																							
1464-8	1/2																																																							
1464-10	5/8																																																							
1464-12	3/4																																																							
Part No	Tube	Pipe																																																						
1466-4A	1/4	1/8																																																						
1466-4B	1/4	1/4																																																						
1466-6A	3/8	1/8																																																						
1466-6B	3/8	1/4																																																						
1466-6C	3/8	3/8																																																						
1466-8C	1/2	3/8																																																						
1466-8D	1/2	1/2																																																						
1466-10C	5/8	3/8																																																						
1466-10D	5/8	1/2																																																						
*Union (tube both ends) 	Reducing Union Tee (tube all ends) 	Union Adaptor (copper x nylon) 																																																						
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>1462-4</td><td>1/4</td></tr><tr><td>1462-6</td><td>3/8</td></tr><tr><td>1462-8</td><td>1/2</td></tr><tr><td>1462-10</td><td>5/8</td></tr><tr><td>1462-12</td><td>3/4</td></tr></table>	Part No	Tube	1462-4	1/4	1462-6	3/8	1462-8	1/2	1462-10	5/8	1462-12	3/4	<table><tr><th>Part No</th><th>1</th><th>2</th><th>3</th></tr><tr><td>1464-6-4</td><td>3/8</td><td>3/8</td><td>1/4</td></tr></table>	Part No	1	2	3	1464-6-4	3/8	3/8	1/4	<table><tr><th>Part No</th><th>Tube</th><th>Tube</th></tr><tr><td>1467-4-4</td><td>1/4</td><td>1/4</td></tr><tr><td>1467-6-6</td><td>3/8</td><td>3/8</td></tr><tr><td>1467-8-8</td><td>1/2</td><td>1/2</td></tr><tr><td>1467-10-10</td><td>5/8</td><td>5/8</td></tr><tr><td>1467-12-12</td><td>3/4</td><td>3/4</td></tr></table>	Part No	Tube	Tube	1467-4-4	1/4	1/4	1467-6-6	3/8	3/8	1467-8-8	1/2	1/2	1467-10-10	5/8	5/8	1467-12-12	3/4	3/4																
Part No	Tube																																																							
1462-4	1/4																																																							
1462-6	3/8																																																							
1462-8	1/2																																																							
1462-10	5/8																																																							
1462-12	3/4																																																							
Part No	1	2	3																																																					
1464-6-4	3/8	3/8	1/4																																																					
Part No	Tube	Tube																																																						
1467-4-4	1/4	1/4																																																						
1467-6-6	3/8	3/8																																																						
1467-8-8	1/2	1/2																																																						
1467-10-10	5/8	5/8																																																						
1467-12-12	3/4	3/4																																																						

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

RACCORDS DE FREIN À AIR POUR LA TUYAUTERIE EN CUIVRE **-*Plus Populaire-** AIR BRAKE FITTINGS FOR COPPER TUBING

*Male Connector (tube x male pipe) 			*90° Female Elbow (tube x female pipe) 			*45° Male Elbow (tube x male pipe) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
1468-4A	1/4	1/8	1470-4A	1/4	1/8	1474-4A	1/4	1/8
1468-4B	1/4	1/4	1470-4B	1/4	1/4	1474-4B	1/4	1/4
1468-4C	1/4	3/8	1470-6A	3/8	1/8	1474-6A	3/8	1/8
1468-6A	3/8	1/8	1470-6B	3/8	1/4	1474-6B	3/8	1/4
1468-6B	3/8	1/4	1470-6C	3/8	3/8	1474-6C	3/8	3/8
1468-6C	3/8	3/8	1470-8C	1/2	3/8	1474-6D	3/8	1/2
1468-6D	3/8	1/2	1470-8D	1/2	1/2	1474-8B	1/2	1/4
1468-8B	1/2	1/4	1470-10D	5/8	1/2	1474-8C	1/2	3/8
1468-8C	1/2	3/8				1474-8D	1/2	1/2
1468-8D	1/2	1/2	*Male Run Tee (tube x male pipe x tube) 			1474-10C	5/8	3/8
1468-10C	5/8	3/8				1474-10D	5/8	1/2
1468-10D	5/8	1/2				1474-12D	3/4	1/2
1468-10E	5/8	3/4						
1468-12D	3/4	1/2						
1468-12E	3/4	3/4						
*90° Male Elbow (tube x male pipe) 			<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	Bulkhead Union (tube x tube) 		
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	1471-4A	1/4	1/8	<u>Part No</u>	<u>Tube</u>	
1469-4A	1/4	1/8	1471-4B	1/4	1/4	1477-4		1/4
1469-4B	1/4	1/4	1471-6B	3/8	1/4	1477-6		3/8
1469-4C	1/4	3/8	1471-6C	3/8	3/8	1477-8		1/2
1469-4D	1/4	1/2	1471-8C	1/2	3/8			
1469-6A	3/8	1/8	1471-8D	1/2	1/2			
1469-6B	3/8	1/4	1471-10D	5/8	1/2			
1469-6C	3/8	3/8						
1469-6D	3/8	1/2	*Male Branch Tee (tube x tube x male pipe) 					
1469-8B	1/2	1/4	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>			
1469-8C	1/2	3/8	1472-4A	1/4	1/8			
1469-8D	1/2	1/2	1472-4B	1/4	1/4			
1469-10C	5/8	3/8	1472-6A	3/8	1/8			
1469-10D	5/8	1/2	1472-6B	3/8	1/4			
1469-10E	5/8	3/4	1472-6C	3/8	3/8			
1469-12D	3/4	1/2	1472-8B	1/2	1/4			
1469-12E	3/4	3/4	1472-8C	1/2	3/8			
			1472-8D	1/2	1/2			
			1472-10D	5/8	1/2			
						*Loose Insert (for tube support) 		
						<u>Part No</u>	<u>Tube</u>	
						1481-4	1/4	
						1481-6	3/8	
						1481-8	1/2	
						1481-10	5/8	
						1481-12	3/4	

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



Characteristics

Serrated sleeve provides excellent hose retention. Meets with D.O.T. FMVSS571.106 standards when used with S.A.E. J1402 type hose.

Applications

All air brake systems using S.A.E. Type J1402 air brake hose.

Temperature Rating

From -40°F to +200°F.

Working Pressure

Up to 125 P.S.I.

Assembly Instructions

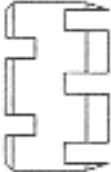
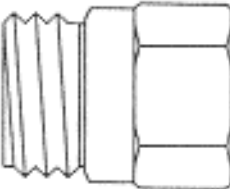
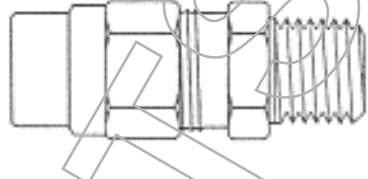
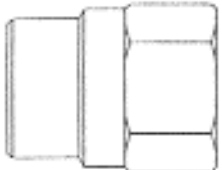
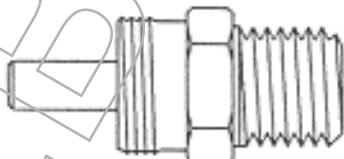
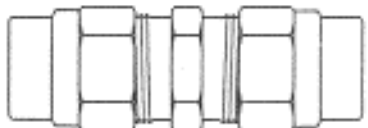
- 1) Slide nut onto hose, ensuring that threaded end faces end of hose.
- 2) Slide sleeve onto hose with tapered end directed toward fitting body.
- 3) Push hose onto fitting until it bottoms out.
- 4) Tighten nut onto fitting body until nut contacts fitting body.
- 5) If reassembly is required, sleeve must be replaced, it is not reuseable.

Thread Sizes

The -6 hose size, manufactured for use with 3/8" I.D. hose uses a 31/32-20 straight thread on the compression end.

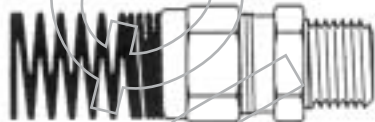
The -8 hose size, manufactured for use with 1/2" I.D. hose uses a 1-3/32-20 straight thread on the compression end.

- *Plus Populaire-

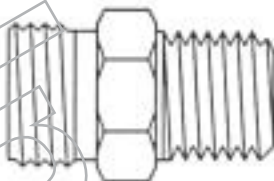
* Hose Sleeve 	* Hose Guard Nut (nut only) 	* Hose Connector (hose x male pipe) 				
<u>Part No</u> 1490-6 1490-8	<u>Hose</u> 3/8 1/2	<u>Part No</u> 1494N-6 1494N-8	<u>Hose</u> 3/8 1/2	<u>Part No</u> 1492-6B 1492-6C 1492-6D 1492-8C 1492-8D	<u>Hose</u> 3/8 3/8 3/8 1/2 1/2	<u>Pipe</u> 1/4 3/8 1/2 3/8 1/2
* Standard Hose Nut 	Hose Guard Spring (spring only) 	Hose Splicer Body (hose both ends) 				
<u>Part No</u> 1491-6 1491-8	<u>Hose</u> 3/8 1/2	<u>Part No</u> 1494S-6 1494S-8	<u>Hose</u> 3/8 1/2	<u>Part No</u> B1492-6S B1492-8S	<u>Hose</u> 3/8 1/2	
Hose Guard Nut (complete with spring) 	Hose Connector Body (hose x male pipe) 	* Hose Splicer (hose both ends) 				
<u>Part No</u> 1494-6 1494-8	<u>Hose</u> 3/8 1/2	<u>Part No</u> B1492-6B B1492-6C B1492-6D B1492-8C B1492-8D	<u>Hose</u> 3/8 3/8 3/8 1/2 1/2	<u>Pipe</u> 1/4 3/8 1/2 3/8 1/2	<u>Part No</u> 1492-6S 1492-8S	<u>Hose</u> 3/8 1/2

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
 For Stainless Steel fittings, add the suffix "S/S" to the above part number.

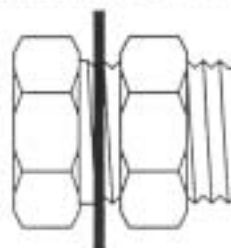
- *Plus Populaire-

* Hose Guard Connector
(hose x male pipe)

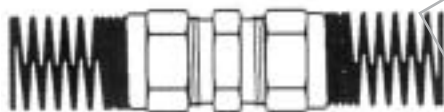
Part No	Hose	Pipe
1493-6B	3/8	1/4
1493-6C	3/8	3/8
1493-6D	3/8	1/2
1493-8C	1/2	3/8
1493-8D	1/2	1/2

* Male Adaptor
(straight thread to male pipe)

Part No	Thread	Pipe
1501-6B	3/4-20	1/4
1501-6C	3/4-20	3/8
1501-8C	7/8-20	3/8
1501-8D	7/8-20	1/2

Brass Terminal Bolts
(female pipe both ends)

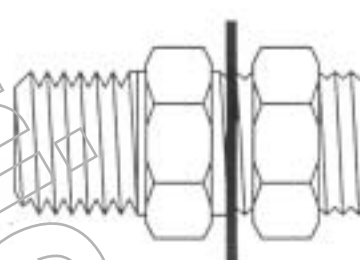
Part No	Pipe	Length
1495-AB	1/8	1-1/2"
1495-SB	1/4	31/32"
1495-LB **	1/4	1-1/2"
1495-CB	3/8	1-5/16"
1495-DB	1/2	1-1/2"

Hose Guard Splicer
(hose both ends)

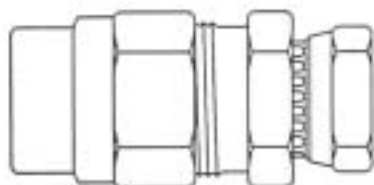
Part No	Hose
1493-6S	3/8
1493-8S	1/2

Swivel Connector Assembly
(complete with male adaptor)

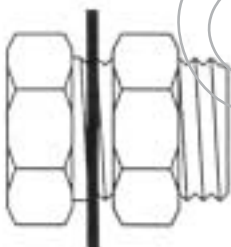
Part No	Hose	Pipe
1502-6B	3/8	1/4
1502-6C	3/8	3/8
1502-8C	1/2	3/8
1502-8D	1/2	1/2

Steel Terminal Bolt
(male x female pipe)

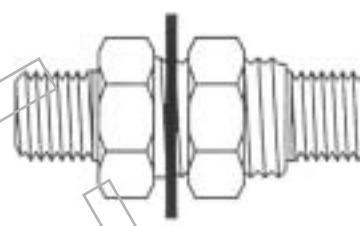
Part No	Male	Female
1496-DB **	1/2	1/4
1496-DC	1/2	3/8

Female Swivel Connector
(hose x straight thread)

Part No	Hose	Thread
1500-6	3/8	3/4-20
1500-8	1/2	7/8-20

Steel Terminal Bolt
(female pipe both ends)

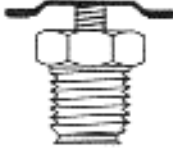
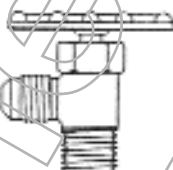
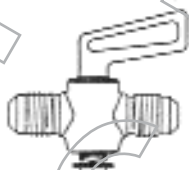
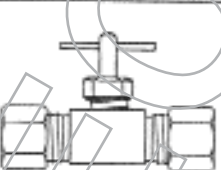
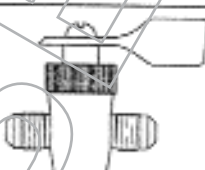
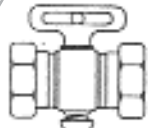
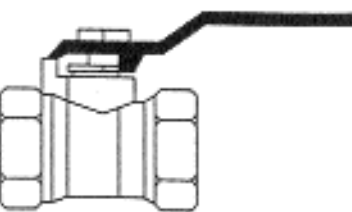
Part No	Pipe	Length
1495-L	1/4	1-1/2"
1495-S	1/4	31/32"
1495-C	3/8	1-3/8"

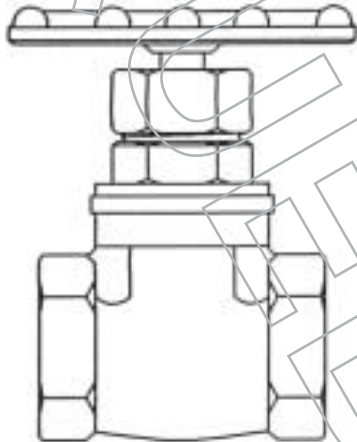
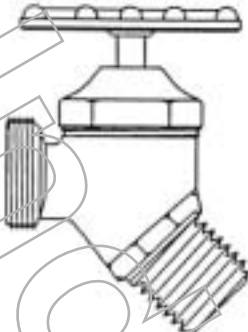
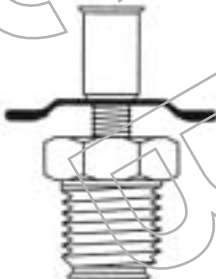
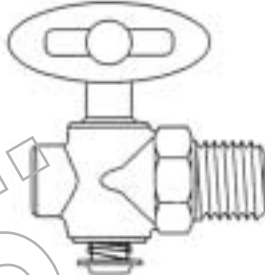
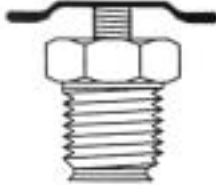
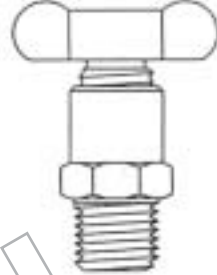
Steel Terminal Bolt
(male pipe x male pipe
x female pipe)

Part No	Male	Female
1497-DB	1/2	1/4

** = ce produit est discontinué

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

GATE VALVES		PAGE 66
DRAIN COCKS		PAGES 66-67
SWING CHECK		PAGE 67
TRUCK		PAGE 67
SPRING LOADED		PAGES 68-69
NEEDLE SEAT		PAGES 69-71
SOLID BOTTOM		PAGE 71
AIR COCKS		PAGES 72-73
BALL VALVES		PAGES 74-75

Gate Valves Non-rising stem design, with a solid wedge shaped disc. Available with pipe threaded or solder type ports. Working pressure up to 200 P.S.I. at +73°F non-shock water, oil and gas. 	45°Angle Boiler Drain (3/4-11½ N.H. x male pipe) 	Ground Plug Drain Valve (lever handle) 																								
	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>224-D</td><td>1/2</td></tr><tr><td>224-E</td><td>3/4</td></tr></table>	Part No	Pipe	224-D	1/2	224-E	3/4	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>241-A</td><td>1/8</td></tr><tr><td>241-B</td><td>1/4</td></tr><tr><td>241-C</td><td>3/8</td></tr><tr><td>241-D</td><td>1/2</td></tr></table>	Part No	Pipe	241-A	1/8	241-B	1/4	241-C	3/8	241-D	1/2								
Part No	Pipe																									
224-D	1/2																									
224-E	3/4																									
Part No	Pipe																									
241-A	1/8																									
241-B	1/4																									
241-C	3/8																									
241-D	1/2																									
With Pipe Ports <table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>217-B</td><td>1/4</td></tr><tr><td>217-C</td><td>3/8</td></tr><tr><td>217-D</td><td>1/2</td></tr><tr><td>217-E</td><td>3/4</td></tr><tr><td>217-F</td><td>1</td></tr><tr><td>217-G</td><td>1-1/4</td></tr><tr><td>217-H</td><td>1-1/2</td></tr><tr><td>217-I</td><td>2</td></tr><tr><td>217-J</td><td>2-1/2</td></tr><tr><td>217-K</td><td>3</td></tr><tr><td>217-L</td><td>4</td></tr></table>	Part No	Pipe	217-B	1/4	217-C	3/8	217-D	1/2	217-E	3/4	217-F	1	217-G	1-1/4	217-H	1-1/2	217-I	2	217-J	2-1/2	217-K	3	217-L	4	Drain Cocks Designed for automotive and industrial use. Metal to metal seats require only hand tightening for leakproof seal. Working pressures of up to 150 P.S.I. maximum. External Seat (with bibb extension) 	Ground Plug Drain Valve (" T " handle) 
Part No	Pipe																									
217-B	1/4																									
217-C	3/8																									
217-D	1/2																									
217-E	3/4																									
217-F	1																									
217-G	1-1/4																									
217-H	1-1/2																									
217-I	2																									
217-J	2-1/2																									
217-K	3																									
217-L	4																									
	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>239-B</td><td>1/4</td></tr></table>	Part No	Pipe	239-B	1/4	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>T241-B</td><td>1/4</td></tr></table>	Part No	Pipe	T241-B	1/4																
Part No	Pipe																									
239-B	1/4																									
Part No	Pipe																									
T241-B	1/4																									
With Solder Ports <table><tr><th>Part No</th><th>Copper Pipe</th></tr><tr><td>SW217-D</td><td>1/2</td></tr><tr><td>SW217-E</td><td>3/4</td></tr><tr><td>SW217-F</td><td>1</td></tr><tr><td>SW217-G</td><td>1-1/4</td></tr><tr><td>SW217-H</td><td>1-1/2</td></tr><tr><td>SW217-I</td><td>2</td></tr></table>	Part No	Copper Pipe	SW217-D	1/2	SW217-E	3/4	SW217-F	1	SW217-G	1-1/4	SW217-H	1-1/2	SW217-I	2	External Seat 	Brass Two Piece (internal seat) 										
Part No	Copper Pipe																									
SW217-D	1/2																									
SW217-E	3/4																									
SW217-F	1																									
SW217-G	1-1/4																									
SW217-H	1-1/2																									
SW217-I	2																									
	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>240-A</td><td>1/8</td></tr><tr><td>240-B</td><td>1/4</td></tr><tr><td>240-C</td><td>3/8</td></tr><tr><td>240-D</td><td>1/2</td></tr></table>	Part No	Pipe	240-A	1/8	240-B	1/4	240-C	3/8	240-D	1/2	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>242-A</td><td>1/8</td></tr><tr><td>242-B</td><td>1/4</td></tr><tr><td>242-C</td><td>3/8</td></tr></table>	Part No	Pipe	242-A	1/8	242-B	1/4	242-C	3/8						
Part No	Pipe																									
240-A	1/8																									
240-B	1/4																									
240-C	3/8																									
240-D	1/2																									
Part No	Pipe																									
242-A	1/8																									
242-B	1/4																									
242-C	3/8																									

**Steel Handle Two Piece
(internal seat)**

<u>Part No</u>	<u>Pipe</u>
243-A	1/8
243-B	1/4

**Swing Check Valve
(200P.S.I. WOG)**

<u>Part No</u>	<u>Pipe</u>
293-D	1/2
293-E	3/4
293-F	1
293-G	1-1/4
293-H	1-1/2
293-I	2
293-J	2-1/2
293-K	3
293-L	4

**45° Truck Valve
(flare x male pipe)**

<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
1054-6D	3/8	1/2
1054-6E	3/8	3/4
1054-8E	1/2	3/4

**90° Two Piece Extended Bibb
(internal Seat)**

<u>Part No</u>	<u>Pipe</u>
245-A	1/8
245-B	1/4

**90° Truck Valve
(hose x male pipe)**

<u>Part No</u>	<u>Hose</u>	<u>Pipe</u>
1139-6C	3/8	3/8
1139-8C	1/2	3/8
1139-10C	5/8	3/8
1139-10D	5/8	1/2
1139-12C	3/4	3/8
1139-12D	3/4	1/2

**Radiator Drain Flange
(female pipe)**

<u>Part No</u>	<u>Pipe</u>
1500-B	HEX 1/4
1500-BR	ROUND 1/4

Truck Valves

This series of valves, have metal to metal seats and incorporate a fine thread on the valve stem to allow fine adjustment of flow up to the flow limit of the valve. This series is rated at 150 P.S.I. at 73°F.

**90° Truck Valve
(flare x male pipe)**

<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
1049-6B	3/8	1/4
1049-6C	3/8	3/8
1049-6D	3/8	1/2
1049-8C	1/2	3/8
1049-8D	1/2	1/2
1049-10D	5/8	1/2

**90° Truck Valve
(air brake compression x male pipe)**

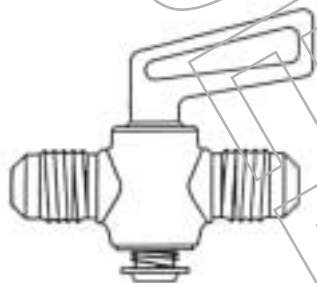
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
1410-10D	5/8	1/2

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Spring Bottom Valve

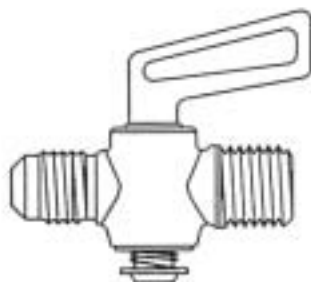
These ground plug valves are pressure rated to 30 P.S.I. and are commonly used in water process piping and air supply systems. This series of valves is not recommended for use with gasoline.

Flare Union
(flare both ends)



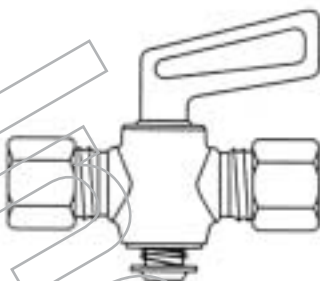
Part No	Tube
2042-4	1/4
2042-5	5/16
2042-6	3/8
2042-8	1/2
2042-10	5/8

Flare Connector
(flare x male pipe)



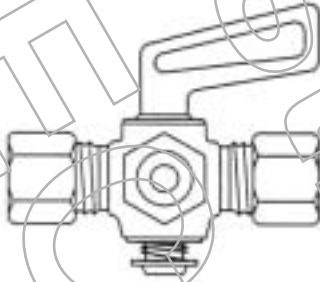
Part No	Tube	Pipe
2048-4A	1/4	1/8
2048-4B	1/4	1/4
2048-5A	5/16	1/8
2048-5B	5/16	1/4
2048-6B	3/8	1/4
2048-6C	3/8	3/8
2048-8C	1/2	3/8

Compression Union
(tube both ends)



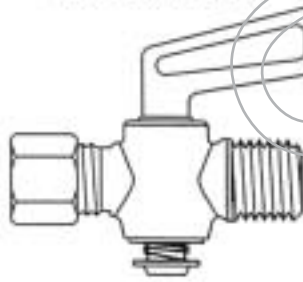
Part No	Tube
2062-4	1/4
2062-5	5/16
2062-6	3/8
2062-8	1/2

Three Way Compression
(compression all ends)



Part No	Tube
2064-4	1/4
2064-5	5/16
2064-6	3/8

Compression Connector
(tube x male pipe)

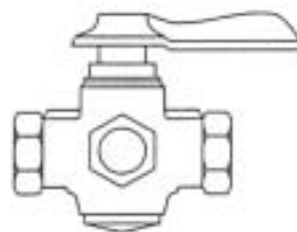


Part No	Tube	Pipe
2068-4A	1/4	1/8
2068-4B	1/4	1/4
2068-5A	5/16	1/8
2068-5B	5/16	1/4
2068-6B	3/8	1/4
2068-6C	3/8	3/8

Three and Four-Way Valves

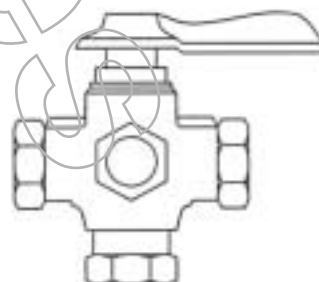
Both three and four way valves are solid bottom valves that incorporate a celcon* plug for a non-lubricated seal. Working pressure up to 30 P.S.I.

Three-Way Valve
(pipe all ends)



Part No	Pipe	Stem Length
2101-A **	1/8	1-3/8
2101-B	1/4	1-3/8
2101-BS **	1/4	3/4
2101-C	3/8	1-3/8

Four-Way Valve
(pipe all ends)



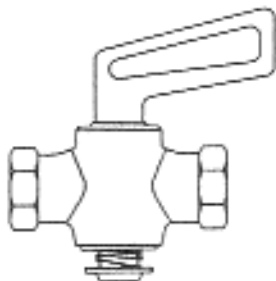
Part No	Pipe	Stem Length
2102-A **	1/8	1-3/8
2102-B	1/4	2-3/8
2102-BL	1/4	3-3/4
2102-BS	1/4	1-3/8
2102-C	3/8	2-3/8
2102-CL	3/8	3-3/4
2102-CS	3/8	1-3/8

*Trademark of Hoechst Celanese

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

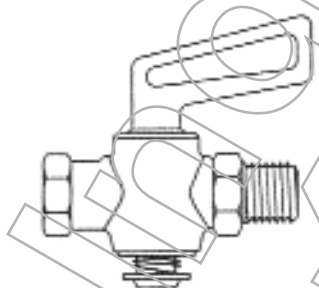
Spring Bottom Valve

These ground plug valves are pressure rated to 30 P.S.I. and are commonly used in water process piping and air supply systems. This series of valves is not recommended for use with gasoline.

**Female Pipe Coupling
(pipe both ends)****Part No****Pipe**

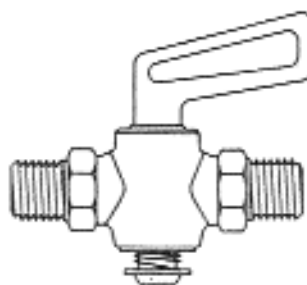
2103-A
2103-B
2103-C
2103-D

1/8
1/4
3/8
1/2

**Pipe Adaptor
(female x male pipe)****Part No****Pipe**

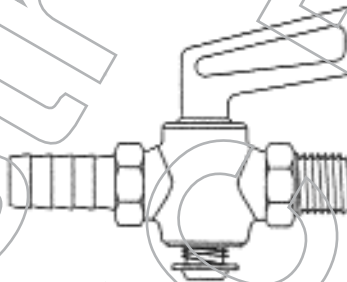
2120-A
2120-B
2120-C

1/8
1/4
3/8

**Male Pipe Coupling
(pipe both ends)****Part No****Pipe**

2122-A
2122-B
2122-C

1/8
1/4
3/8

**Hose Connector
(hose x male pipe)****Part No****Hose****Pipe**

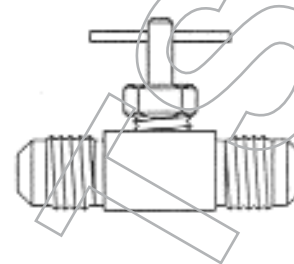
2125-4B **
2125-6B **
2125-6C **

1/4
3/8
3/8

1/4
1/4
3/8

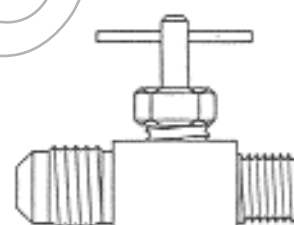
Needle Valves

Designed for leakproof operation up to 150 P.S.I., this series of valves have a metal to metal seat and a fine thread stem, that can be used to control the flow up to the maximum capacity of the valve. Some care must be taken when installing this series of valves. The pressure side of the application must be directed to the bottom of the needle seat.

**Flare Union
(flare both ends)****Part No****Tube**

3042-4
3042-6

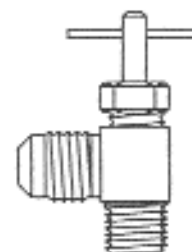
1/4
3/8

**Flare Connector
(flare x male pipe)****Part No****Tube****Pipe**

3048-4A
3048-4B
3048-5A **
3048-5B
3048-6B

1/4
1/4
5/16
5/16
3/8

1/8
1/4
1/8
1/4
1/4

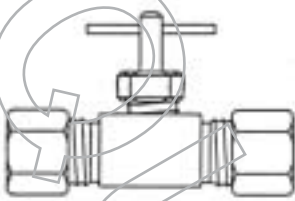
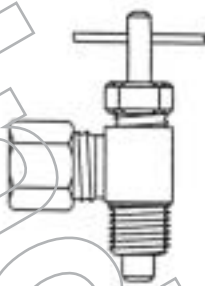
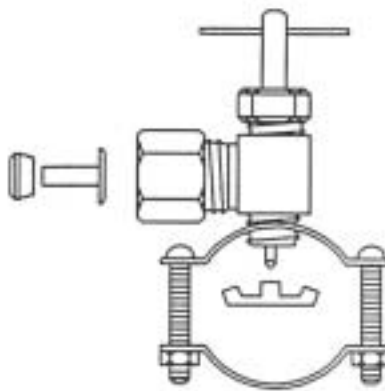
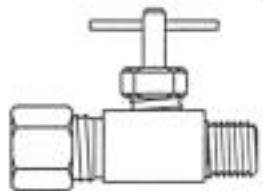
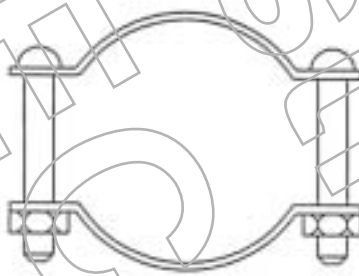
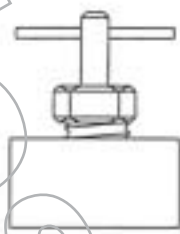
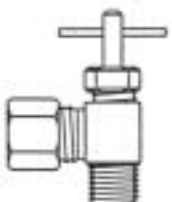
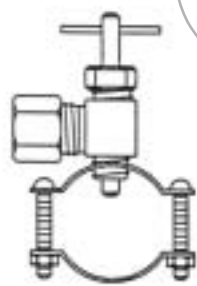
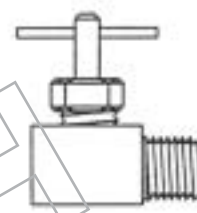
**90° Flare x Male Elbow
(flare x male pipe)****Part No****Tube****Pipe**

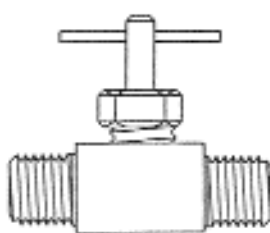
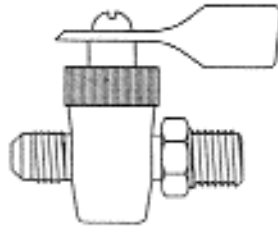
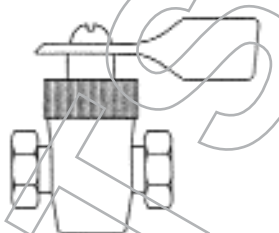
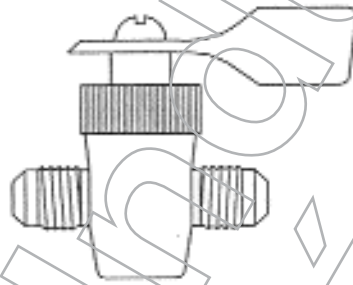
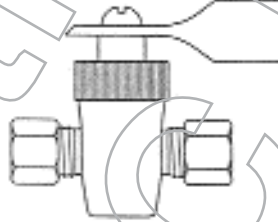
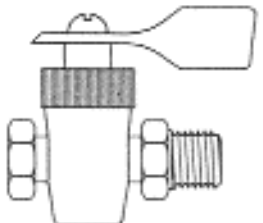
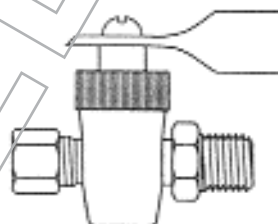
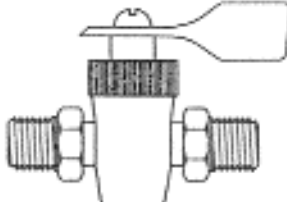
3049-4A
3049-4B **
3049-5A
3049-5B
3049-6B

1/4
1/4
5/16
5/16
3/8

1/8
1/4
1/8
1/4
1/4

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

<i>Compression Union (tube both ends)</i> 	<i>Humidifier Valve (tube x male pipe with extension)</i> 	<i>Self-Piercing Humidifier Valve Kit (for 1/2" copper pipe)</i> 																																				
<table><tr><th><i>Part No</i></th><th><i>Tube</i></th></tr><tr><td>3062-3</td><td>3/16</td></tr><tr><td>3062-4</td><td>1/4</td></tr><tr><td>3062-5</td><td>5/16</td></tr><tr><td>3062-6</td><td>3/8</td></tr></table>	<i>Part No</i>	<i>Tube</i>	3062-3	3/16	3062-4	1/4	3062-5	5/16	3062-6	3/8	<table><tr><th><i>Part No</i></th><th><i>Tube</i></th><th><i>Pipe</i></th></tr><tr><td>3069-4T</td><td>1/4</td><td>1/8</td></tr></table>	<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>	3069-4T	1/4	1/8	<table><tr><th><i>Part No</i></th><th><i>Tube</i></th></tr><tr><td>S3069-ST-4 **</td><td>1/4</td></tr></table>	<i>Part No</i>	<i>Tube</i>	S3069-ST-4 **	1/4																
<i>Part No</i>	<i>Tube</i>																																					
3062-3	3/16																																					
3062-4	1/4																																					
3062-5	5/16																																					
3062-6	3/8																																					
<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>																																				
3069-4T	1/4	1/8																																				
<i>Part No</i>	<i>Tube</i>																																					
S3069-ST-4 **	1/4																																					
<i>Compression Connector (tube x male pipe)</i> 	<i>Clamps for Copper Pipe (tapped 1/8-27 N.F.T.)</i> 	<i>Female Pipe Coupling (pipe both ends)</i> 																																				
<table><tr><th><i>Part No</i></th><th><i>Tube</i></th><th><i>Pipe</i></th></tr><tr><td>3068-3A</td><td>3/16</td><td>1/8</td></tr><tr><td>3068-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>3068-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>3068-5A</td><td>5/16</td><td>1/8</td></tr><tr><td>3068-5B</td><td>5/16</td><td>1/4</td></tr><tr><td>3068-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>3068-6B</td><td>3/8</td><td>1/4</td></tr></table>	<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>	3068-3A	3/16	1/8	3068-4A	1/4	1/8	3068-4B	1/4	1/4	3068-5A	5/16	1/8	3068-5B	5/16	1/4	3068-6A	3/8	1/8	3068-6B	3/8	1/4	<table><tr><th><i>Part No</i></th><th><i>Material</i></th></tr><tr><td>S3069-PC **</td><td>STEEL</td></tr><tr><td>S3069-WT</td><td>BRASS</td></tr></table>	<i>Part No</i>	<i>Material</i>	S3069-PC **	STEEL	S3069-WT	BRASS	<table><tr><th><i>Part No</i></th><th><i>Pipe</i></th></tr><tr><td>3103-A</td><td>1/8</td></tr><tr><td>3103-B</td><td>1/4</td></tr></table>	<i>Part No</i>	<i>Pipe</i>	3103-A	1/8	3103-B	1/4
<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>																																				
3068-3A	3/16	1/8																																				
3068-4A	1/4	1/8																																				
3068-4B	1/4	1/4																																				
3068-5A	5/16	1/8																																				
3068-5B	5/16	1/4																																				
3068-6A	3/8	1/8																																				
3068-6B	3/8	1/4																																				
<i>Part No</i>	<i>Material</i>																																					
S3069-PC **	STEEL																																					
S3069-WT	BRASS																																					
<i>Part No</i>	<i>Pipe</i>																																					
3103-A	1/8																																					
3103-B	1/4																																					
<i>90° Compression x Male Elbow (tube x male pipe)</i> 	<i>Humidifier Valve & Clamp Kit (for 1/2" copper pipe)</i> 	<i>Pipe Adaptor (female x male pipe)</i> 																																				
<table><tr><th><i>Part No</i></th><th><i>Tube</i></th><th><i>Pipe</i></th></tr><tr><td>3069-3A</td><td>3/16</td><td>1/8</td></tr><tr><td>3069-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>3069-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>3069-5A **</td><td>5/16</td><td>1/8</td></tr><tr><td>3069-5B **</td><td>5/16</td><td>1/4</td></tr><tr><td>3069-6A</td><td>3/8</td><td>1/8</td></tr><tr><td>3069-6B</td><td>3/8</td><td>1/4</td></tr></table>	<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>	3069-3A	3/16	1/8	3069-4A	1/4	1/8	3069-4B	1/4	1/4	3069-5A **	5/16	1/8	3069-5B **	5/16	1/4	3069-6A	3/8	1/8	3069-6B	3/8	1/4	<table><tr><th><i>Part No</i></th><th><i>Tube</i></th></tr><tr><td>S3069-4S</td><td>1/4</td></tr></table>	<i>Part No</i>	<i>Tube</i>	S3069-4S	1/4	<table><tr><th><i>Part No</i></th><th><i>Pipe</i></th></tr><tr><td>3120-A</td><td>1/8</td></tr><tr><td>3120-B</td><td>1/4</td></tr></table>	<i>Part No</i>	<i>Pipe</i>	3120-A	1/8	3120-B	1/4		
<i>Part No</i>	<i>Tube</i>	<i>Pipe</i>																																				
3069-3A	3/16	1/8																																				
3069-4A	1/4	1/8																																				
3069-4B	1/4	1/4																																				
3069-5A **	5/16	1/8																																				
3069-5B **	5/16	1/4																																				
3069-6A	3/8	1/8																																				
3069-6B	3/8	1/4																																				
<i>Part No</i>	<i>Tube</i>																																					
S3069-4S	1/4																																					
<i>Part No</i>	<i>Pipe</i>																																					
3120-A	1/8																																					
3120-B	1/4																																					

Male Pipe Connector (pipe both ends) 	Flare x Male Pipe Connector (tube x male pipe) 	Female Connector (female pipe both ends) 																																									
<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>3122-A</td><td>1/8</td></tr><tr><td>3122-B</td><td>1/4</td></tr></table>	Part No	Pipe	3122-A	1/8	3122-B	1/4	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>5048-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>5048-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>5048-5A</td><td>5/16</td><td>1/8</td></tr><tr><td>5048-5B</td><td>5/16</td><td>1/4</td></tr><tr><td>5048-6B **</td><td>3/8</td><td>1/4</td></tr><tr><td>5048-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>5048-6D **</td><td>3/8</td><td>1/2</td></tr><tr><td>5048-8C</td><td>1/2</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	5048-4A	1/4	1/8	5048-4B	1/4	1/4	5048-5A	5/16	1/8	5048-5B	5/16	1/4	5048-6B **	3/8	1/4	5048-6C	3/8	3/8	5048-6D **	3/8	1/2	5048-8C	1/2	3/8	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>5103-A **</td><td>1/8</td></tr><tr><td>5103-B</td><td>1/4</td></tr><tr><td>5103-C</td><td>3/8</td></tr></table>	Part No	Pipe	5103-A **	1/8	5103-B	1/4	5103-C	3/8
Part No	Pipe																																										
3122-A	1/8																																										
3122-B	1/4																																										
Part No	Tube	Pipe																																									
5048-4A	1/4	1/8																																									
5048-4B	1/4	1/4																																									
5048-5A	5/16	1/8																																									
5048-5B	5/16	1/4																																									
5048-6B **	3/8	1/4																																									
5048-6C	3/8	3/8																																									
5048-6D **	3/8	1/2																																									
5048-8C	1/2	3/8																																									
Part No	Pipe																																										
5103-A **	1/8																																										
5103-B	1/4																																										
5103-C	3/8																																										
Special Duty Valves These solid bottom, O-ring sealed plug valves are designed to have a maximum working pressure of 30 P.S.I.. Used in applications involving gasoline or kerosene or in air systems. Flare Union (tube both ends) 	Compression Union (tube both ends) 	Pipe Adaptor (female x male pipe) 																																									
<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>5042-4</td><td>1/4</td></tr><tr><td>5042-5</td><td>5/16</td></tr><tr><td>5042-6</td><td>3/8</td></tr><tr><td>5042-8</td><td>1/2</td></tr></table>	Part No	Tube	5042-4	1/4	5042-5	5/16	5042-6	3/8	5042-8	1/2	<table><tr><th>Part No</th><th>Tube</th></tr><tr><td>5062-4 **</td><td>1/4</td></tr><tr><td>5062-6</td><td>3/8</td></tr><tr><td>5062-8</td><td>1/2</td></tr></table>	Part No	Tube	5062-4 **	1/4	5062-6	3/8	5062-8	1/2	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>5120-A</td><td>1/8</td></tr><tr><td>5120-B</td><td>1/4</td></tr><tr><td>5120-C</td><td>3/8</td></tr></table>	Part No	Pipe	5120-A	1/8	5120-B	1/4	5120-C	3/8															
Part No	Tube																																										
5042-4	1/4																																										
5042-5	5/16																																										
5042-6	3/8																																										
5042-8	1/2																																										
Part No	Tube																																										
5062-4 **	1/4																																										
5062-6	3/8																																										
5062-8	1/2																																										
Part No	Pipe																																										
5120-A	1/8																																										
5120-B	1/4																																										
5120-C	3/8																																										
	Compression x Male Pipe Connector (tube x male pipe) 	Male Pipe Coupling (male pipe both ends) 																																									
	<table><tr><th>Part No</th><th>Tube</th><th>Pipe</th></tr><tr><td>5068-4A</td><td>1/4</td><td>1/8</td></tr><tr><td>5068-4B</td><td>1/4</td><td>1/4</td></tr><tr><td>5068-6B</td><td>3/8</td><td>1/4</td></tr><tr><td>5068-6C</td><td>3/8</td><td>3/8</td></tr></table>	Part No	Tube	Pipe	5068-4A	1/4	1/8	5068-4B	1/4	1/4	5068-6B	3/8	1/4	5068-6C	3/8	3/8	<table><tr><th>Part No</th><th>Pipe</th></tr><tr><td>5122-A</td><td>1/8</td></tr><tr><td>5122-B</td><td>1/4</td></tr><tr><td>5122-C</td><td>3/8</td></tr></table>	Part No	Pipe	5122-A	1/8	5122-B	1/4	5122-C	3/8																		
Part No	Tube	Pipe																																									
5068-4A	1/4	1/8																																									
5068-4B	1/4	1/4																																									
5068-6B	3/8	1/4																																									
5068-6C	3/8	3/8																																									
Part No	Pipe																																										
5122-A	1/8																																										
5122-B	1/4																																										
5122-C	3/8																																										

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Air Cocks

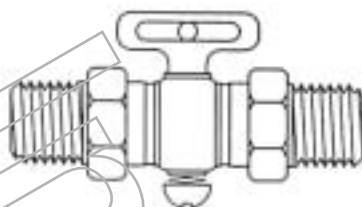
Recommended for air service at up to 100 P.S.I. at 73° F. The series descriptions are as follows:

6000 series all have Tee Handles and Hex Shoulders.

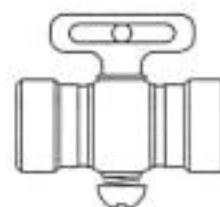
7000 series all have Tee Handles and Round Shoulders.

8000 series all have Lever Handles and Hex Shoulders.

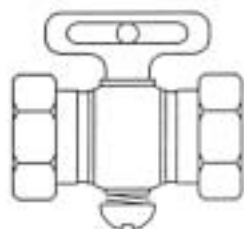
9000 series all have Lever Handles and Round Shoulders.

**Male Coupling
(male pipe both ends)**

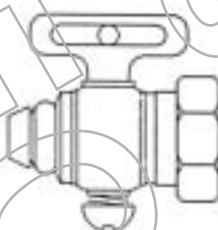
<u>Part No</u>	<u>Pipe</u>
6122-A	1/8
6122-B	1/4
6122-C	3/8
6122-D	1/2

**Female Coupling
(female pipe both ends)**

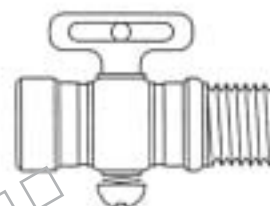
<u>Part No</u>	<u>Pipe</u>
7103-A	1/8
7103-B	1/4
7103-C	3/8

**Female Coupling
(pipe both ends)**

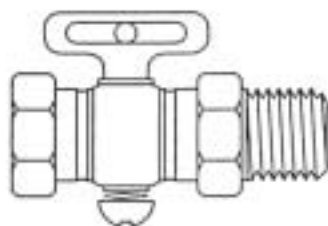
<u>Part No</u>	<u>Pipe</u>
6103-A	1/8
6103-B	1/4
6103-C	3/8

**Male Drain Type
(male pipe one end)**

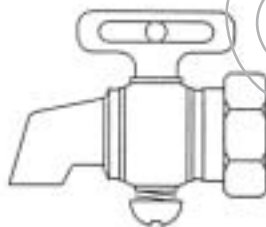
<u>Part No</u>	<u>Pipe</u>
6125-A	1/8
6125-B	1/4
6125-C	3/8

**Pipe Adaptor
(female x male pipe)**

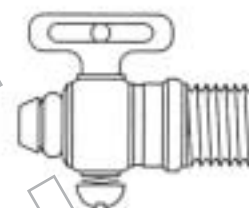
<u>Part No</u>	<u>Pipe</u>
7120-A	1/8
7120-B	1/4
7120-C	3/8

**Pipe Adaptor
(female x male pipe)**

<u>Part No</u>	<u>Pipe</u>
6120-A	1/8
6120-B	1/4
6120-C	3/8

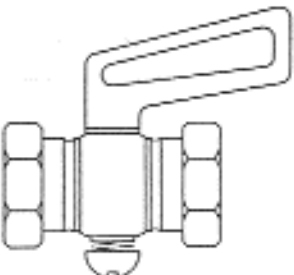
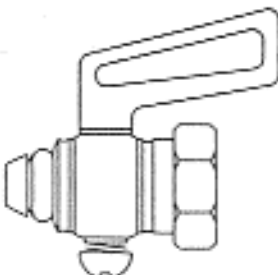
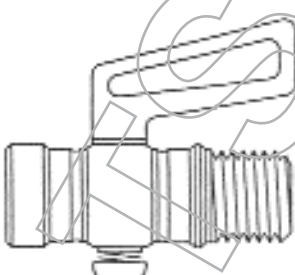
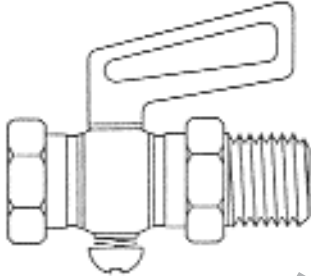
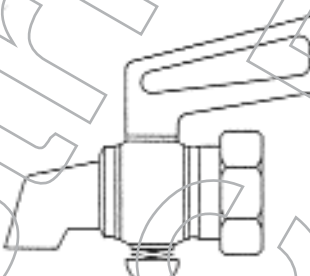
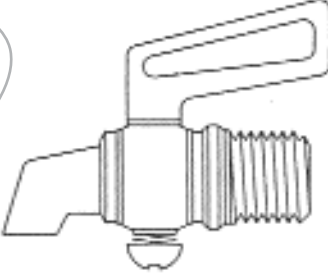
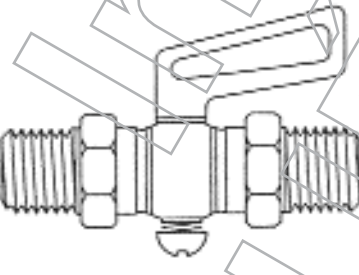
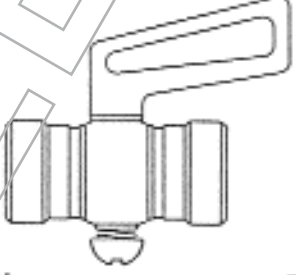
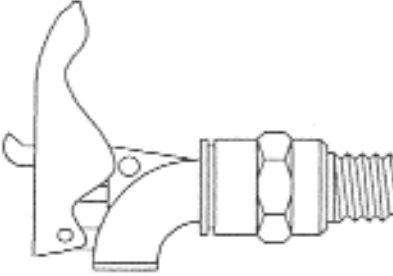
**90° Male Drain Type
(male pipe one end)**

<u>Part No</u>	<u>Pipe</u>
6139-A	1/8
6139-B	1/4
6139-C	3/8

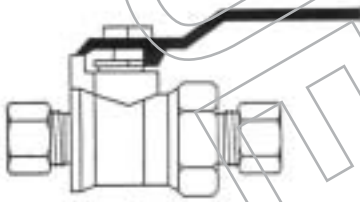
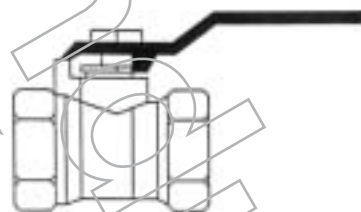
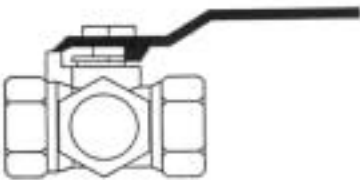
**Male Drain Type
(male pipe one end)**

<u>Part No</u>	<u>Pipe</u>
7125-A	1/8
7125-B	1/4
7125-C	3/8

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

<i>Female Coupling (female pipe both ends)</i>  <i>Part No</i> <i>Pipe</i> 8103-A 1/8 8103-B 1/4 8103-C 3/8 8103-D 1/2	<i>Male Drain Type (pipe one end)</i>  <i>Part No</i> <i>Pipe</i> 8125-A 1/8 8125-B 1/4 8125-C 3/8 8125-D 1/2	<i>Pipe Adaptor (female x male pipe)</i>  <i>Part No</i> <i>Pipe</i> 9120-A 1/8 9120-B 1/4 9120-C 3/8
<i>Pipe Adaptor (female x male pipe)</i>  <i>Part No</i> <i>Pipe</i> 8120-A 1/8 8120-B 1/4 8120-C 3/8 8120-D 1/2	<i>90° Male Drain Type (pipe one end)</i>  <i>Part No</i> <i>Pipe</i> 8139-A 1/8 8139-B 1/4 8139-C 3/8	<i>Male Drain Type (pipe one end)</i>  <i>Part No</i> <i>Pipe</i> 9139-A 1/8 9139-B 1/4 9139-C 3/8
<i>Male Pipe Coupling (pipe both ends)</i>  <i>Part No</i> <i>Pipe</i> 8122-A 1/8 8122-B 1/4 8122-C 3/8 8122-D 1/2	<i>Female Coupling (pipe both ends)</i>  <i>Part No</i> <i>Pipe</i> 9103-A 1/8 9103-B 1/4 9103-C 3/8	<i>Self-Closing Drum Faucet</i>  <i>Part No</i> <i>Pipe</i> G261 3/4

*Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.*

Standard Port Ball Valve With compression type ends for copper pipe, blow-out proof stem. Pressure rated at 400 P.S.I. WOG up to 250° F. and 150 P.S.I. saturated steam. With lever handle 	Standard Port Ball Valve (with female pipe ends) Pressure rated at 400 P.S.I WOG up to 250°F and 150 P.S.I. saturated steam. With lever handle. 	Full Port Ball Valve (with female pipe ends) Pressure rated at 400 P.S.I. WOG up to 250°F and 150 P.S.I. saturated steam. With lever handle. 																																																								
<table><tr><td><u>Part No</u></td><td><u>Copper Pipe</u></td></tr><tr><td>BV2062-10</td><td>1/2" NOM.</td></tr><tr><td>BV2062-14</td><td>3/4" NOM.</td></tr><tr><td>BV2062-18</td><td>1" NOM.</td></tr></table>	<u>Part No</u>	<u>Copper Pipe</u>	BV2062-10	1/2" NOM.	BV2062-14	3/4" NOM.	BV2062-18	1" NOM.	<table><tr><td><u>Part No</u></td><td><u>Pipe</u></td></tr><tr><td>BV2103-B</td><td>1/4</td></tr><tr><td>BV2103-C</td><td>3/8</td></tr><tr><td>BV2103-D</td><td>1/2</td></tr><tr><td>BV2103-E</td><td>3/4</td></tr><tr><td>BV2103-F</td><td>1</td></tr><tr><td>BV2103-G</td><td>1-1/4</td></tr><tr><td>BV2103-H</td><td>1-1/2</td></tr><tr><td>BV2103-I</td><td>2</td></tr><tr><td>BV2103-J</td><td>2-1/2</td></tr><tr><td>BV2103-K</td><td>3</td></tr><tr><td>BV2103-L</td><td>4</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	BV2103-B	1/4	BV2103-C	3/8	BV2103-D	1/2	BV2103-E	3/4	BV2103-F	1	BV2103-G	1-1/4	BV2103-H	1-1/2	BV2103-I	2	BV2103-J	2-1/2	BV2103-K	3	BV2103-L	4	<table><tr><td><u>Part No</u></td><td><u>Pipe</u></td></tr><tr><td>BV2103-B-FP</td><td>1/4</td></tr><tr><td>BV2103-C-FP</td><td>3/8</td></tr><tr><td>BV2103-D-FP</td><td>1/2</td></tr><tr><td>BV2103-E-FP</td><td>3/4</td></tr><tr><td>BV2103-F-FP</td><td>1</td></tr><tr><td>BV2103-G-FP</td><td>1-1/4</td></tr><tr><td>BV2103-H-FP</td><td>1-1/2</td></tr><tr><td>BV2103-I-FP</td><td>2</td></tr><tr><td>BV2103-J-FP</td><td>2-1/2</td></tr><tr><td>BV2103-K-FP</td><td>3</td></tr><tr><td>BV2103-L-FP</td><td>4</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	BV2103-B-FP	1/4	BV2103-C-FP	3/8	BV2103-D-FP	1/2	BV2103-E-FP	3/4	BV2103-F-FP	1	BV2103-G-FP	1-1/4	BV2103-H-FP	1-1/2	BV2103-I-FP	2	BV2103-J-FP	2-1/2	BV2103-K-FP	3	BV2103-L-FP	4
<u>Part No</u>	<u>Copper Pipe</u>																																																									
BV2062-10	1/2" NOM.																																																									
BV2062-14	3/4" NOM.																																																									
BV2062-18	1" NOM.																																																									
<u>Part No</u>	<u>Pipe</u>																																																									
BV2103-B	1/4																																																									
BV2103-C	3/8																																																									
BV2103-D	1/2																																																									
BV2103-E	3/4																																																									
BV2103-F	1																																																									
BV2103-G	1-1/4																																																									
BV2103-H	1-1/2																																																									
BV2103-I	2																																																									
BV2103-J	2-1/2																																																									
BV2103-K	3																																																									
BV2103-L	4																																																									
<u>Part No</u>	<u>Pipe</u>																																																									
BV2103-B-FP	1/4																																																									
BV2103-C-FP	3/8																																																									
BV2103-D-FP	1/2																																																									
BV2103-E-FP	3/4																																																									
BV2103-F-FP	1																																																									
BV2103-G-FP	1-1/4																																																									
BV2103-H-FP	1-1/2																																																									
BV2103-I-FP	2																																																									
BV2103-J-FP	2-1/2																																																									
BV2103-K-FP	3																																																									
BV2103-L-FP	4																																																									
Standard Port Three Way Ball Valve (with female pipe ends) Rated at 200 P.S.I. W.O.G. and 150 P.S.I. saturated steam. With lever handle 	Standard Port Ball Valve (with solder ends) Rated at 400 P.S.I. W.O.G. up to 250°F and 150 P.S.I. saturated steam. With lever handle. <table><tr><td><u>Part No</u></td><td><u>Copper Pipe</u></td></tr><tr><td>SWBV2103-D</td><td>1/2</td></tr><tr><td>SWBV2103-E</td><td>3/4</td></tr><tr><td>SWBV2103-F</td><td>1</td></tr><tr><td>SWBV2103-G</td><td>1-1/4</td></tr><tr><td>SWBV2103-H</td><td>1-1/2</td></tr><tr><td>SWBV2103-I</td><td>2</td></tr><tr><td>SWBV2103-J</td><td>2-1/2</td></tr><tr><td>SWBV2103-K</td><td>3</td></tr><tr><td>SWBV2103-L</td><td>4</td></tr></table>	<u>Part No</u>	<u>Copper Pipe</u>	SWBV2103-D	1/2	SWBV2103-E	3/4	SWBV2103-F	1	SWBV2103-G	1-1/4	SWBV2103-H	1-1/2	SWBV2103-I	2	SWBV2103-J	2-1/2	SWBV2103-K	3	SWBV2103-L	4	Full Port Ball Valve (with solder ends) Rated at 400 P.S.I. W.O.G. up to 250°F and 150 P.S.I. saturated steam. With lever handle <table><tr><td><u>Part No</u></td><td><u>Copper Pipe</u></td></tr><tr><td>SWBV2103-D-FP</td><td>1/2</td></tr><tr><td>SWBV2103-E-FP</td><td>3/4</td></tr><tr><td>SWBV2103-F-FP</td><td>1</td></tr><tr><td>SWBV2103-G-FP</td><td>1-1/4</td></tr><tr><td>SWBV2103-H-FP</td><td>1-1/2</td></tr><tr><td>SWBV2103-I-FP</td><td>2</td></tr><tr><td>SWBV2103-J-FP</td><td>2-1/2</td></tr><tr><td>SWBV2103-K-FP</td><td>3</td></tr><tr><td>SWBV2103-L-FP</td><td>4</td></tr></table>	<u>Part No</u>	<u>Copper Pipe</u>	SWBV2103-D-FP	1/2	SWBV2103-E-FP	3/4	SWBV2103-F-FP	1	SWBV2103-G-FP	1-1/4	SWBV2103-H-FP	1-1/2	SWBV2103-I-FP	2	SWBV2103-J-FP	2-1/2	SWBV2103-K-FP	3	SWBV2103-L-FP	4																
<u>Part No</u>	<u>Copper Pipe</u>																																																									
SWBV2103-D	1/2																																																									
SWBV2103-E	3/4																																																									
SWBV2103-F	1																																																									
SWBV2103-G	1-1/4																																																									
SWBV2103-H	1-1/2																																																									
SWBV2103-I	2																																																									
SWBV2103-J	2-1/2																																																									
SWBV2103-K	3																																																									
SWBV2103-L	4																																																									
<u>Part No</u>	<u>Copper Pipe</u>																																																									
SWBV2103-D-FP	1/2																																																									
SWBV2103-E-FP	3/4																																																									
SWBV2103-F-FP	1																																																									
SWBV2103-G-FP	1-1/4																																																									
SWBV2103-H-FP	1-1/2																																																									
SWBV2103-I-FP	2																																																									
SWBV2103-J-FP	2-1/2																																																									
SWBV2103-K-FP	3																																																									
SWBV2103-L-FP	4																																																									

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

**C.G.A. Approved
Gas Ball Valve**

Tested to ensure compliance with Standard CGA 3.16. These lever handled ball valves are pressure rated for use with gas at 125 P.S.I. and have a working temperature range of from -30°C to +65°C.

**Female Pipe Ball Valve
(female pipe both ends)**

<u>Part No</u>	<u>Pipe</u>
BV2103-D-CGA	1/2
BV2103-E-CGA	3/4
BV2103-F-CGA	1
BV2103-G-CGA	1-1/4
BV2103-H-CGA	1-1/2
BV2103-I-CGA	2

**C.G.A. Approved
Gas Appliance Ball Valve**

Tested to ensure compliance with Standard CAN1-9.1. Certified for use at room temperature only and at a maximum pressure of 1/2 P.S.I..

**Flare Union
(tube both ends)**

<u>Part No</u>	<u>Tube</u>
BV4042-6	3/8
BV4042-8	1/2
BV4042-10	5/8

**C.G.A. Approved
Gas Appliance Ball Valve
(flare x female pipe)**

<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
BV4046-6D	3/8	1/2
BV4046-8D	1/2	1/2

**C.G.A. Approved
Gas Appliance Ball Valve
(flare x male pipe)**

<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>
BV4048-6D	3/8	1/2
BV4048-8D	1/2	1/2

**C.G.A. Approved
Gas Appliance Ball Valve
(lever handle
female pipe both ends)**

<u>Part No</u>	<u>Pipe</u>
BV4103-C	3/8
BV4103-D	1/2
BV4103-E	3/4
BV4103-F	1

**C.G.A. Approved
Gas Appliance Ball Valve
(square handle
female pipe both ends)**

<u>Part No</u>	<u>Pipe</u>
BV5103-C	3/8
BV5103-D	1/2
BV5103-E	3/4
BV5103-F **	1

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Les Industries
Québec bolts

** = ce produit est discontinué

LOK ON RUBBER HOSE	PAGE 78
SELF-COILING	PAGES 78-79
WEED SPRAY	PAGE 80
CONTRACTORS HOSE	PAGE 80
DISHWASHER DISCHARGE	PAGE 81
GARDEN HOSE	PAGE 81
CLEAR BRAIDED P.V.C.	PAGE 82
RUBBER AIR HOSE	PAGE 83
THERMOPLASTIC AIR HOSE	PAGE 84

Lok On Rubber Hose**Characteristics**

Durable, lightweight hose designed for use in applications where abrasion and oil resistance are required.

Fittings

No clamps are required when used with Lok-On Hose Fittings which are listed on pages 50 & 51 of this catalogue.

Temperature Range and Working Pressure

From -40°F to +200°F.

Working Pressure is 250 P.S.I. at +70°F for all sizes.

Rubber Lok-On Hose**Part No****Hose**

761-4	1/4
761-6	3/8
761-8	1/2
761-10	5/8
761-12	3/4

RACCORD AUTO-ENROULEMENT DE TUYAU À AIR**SELF-COILING AIR HOSE AND FITTINGS****Characteristics**

Self-Coiling air hose is light weight to reduce operator fatigue. This hose has good resistance to oil, chemicals and solvents.

Applications

Commonly used with air tools in industrial assembly plants, gas stations and automotive plants.

Temperature Range and Working Pressure

From -60°F to +250°F. Rated at 200 P.S.I. at 70°F.

Fittings

See page 79 for fittings designed for use with self coiling air hose.

Bulk Hose**Part No****Hose**

1985-4	1/4
1985-6	3/8
1985-8	1/2

Hose Assemblies
(supplied assembled with
working swivel male pipe
fittings on each end)

Part No	Hose	Pipe	Length
1935-4X12½	1/4	1/4	12' 6"
1935-4X25	1/4	1/4	25'
1935-4X50	1/4	1/4	50'
1935-4X100	1/4	1/4	100'
1935-6X12½	3/8	3/8	12' 6"
1935-6X25	3/8	3/8	25'
1935-6X50	3/8	3/8	50'
1935-6X100	3/8	3/8	100'
1935-8X12½	1/2	1/2	12' 6"
1935-8X25	1/2	1/2	25'
1935-8X50	1/2	1/2	50'
1935-8X100	1/2	1/2	100'

Sleeve

Part No	Hose
1960-4	BRASS 1/4
1960-6	BRASS 3/8
1960-8	PLASTIC 1/2

Nut

Part No	Hose
1961N-4	1/4
1961N-6	3/8
1961N-8	1/2

Fittings for Self-Colling Air Hose

Hose Guard
(spring only)

Part No	Hose
1961S-4	1/4
1961S-6	3/8
1961S-8	1/2

Hose Guard Nut
(nut and spring)

Part No	Hose
1961-4	1/4
1961-6	3/8
1961-8	1/2

Hose Union
(hose both ends)

Part No	Hose
1962-4	1/4
1962-6	3/8
1962-8	1/2

Female Rigid Pipe Adaptor
(hose x female pipe)

Part No	Hose	Pipe
1966-4B	1/4	1/4
1966-6C	3/8	3/8
1966-8D	1/2	1/2

Rigid Male Pipe Adaptor
(hose x male pipe)

Part No	Hose	Pipe
1968-4A	1/4	1/8
1968-4B	1/4	1/4
1968-6C	3/8	3/8
1968-8D	1/2	1/2

Swivel Male Pipe Adaptor
(hose x male pipe)

Part No	Hose	Pipe
1978-4B	1/4	1/4
1978-6C	3/8	3/8
1978-8D	1/2	1/2

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

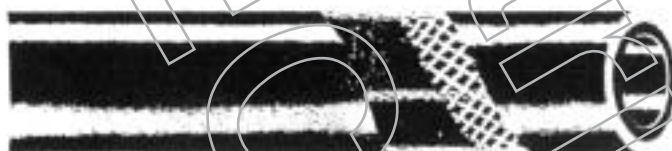
Weed Spray Hose*Hose Construction*

This hose is manufactured with a highly abrasion resistant ribbed yellow cover, synthetic braid and a specially blended core.

Applications

Designed to be used with aromatic hydrocarbon based chemicals such as xylene, for agricultural applications

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>W.P. P.S.I.*</u>	<u>Braids</u>
1366-6	3/8	.65	600	1
1366-8	1/2	.84	600	1

Contractors Water Discharge Hose*Hose Construction*

Black weather and abrasion resistant synthetic rubber cover, with synthetic yarn reinforcement and a black synthetic rubber core tube.

Applications

For general water and air service and for use on construction sites.

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>W.P. PSI*</u>	<u>Braids</u>
BCH-8	1/2	.81	150	1
BCH-8/2	1/2	.88	250	2
BCH-10	5/8	.94	150	1
BCH-10/2 **	5/8	1.00	250	2
BCH-12	3/4	1.13	150	1
BCH-12/2	3/4	1.16	250	2
BCH-16	1	1.38	150	1
BCH-16/2	1	1.50	250	2
BCH-20	1-1/4	1.54	100	1
BCH-24	1-1/2	1.80	100	1
BCH-32	2	2.32	100	1

* WORKING PRESSURE AT +70° F.

Dishwasher Discharge Hose*Thermoplastic Hose Construction*

Black P.V.C. cover with a synthetic weave and black P.V.C. core.

Applications

Designed for use as a discharge hose in residential dishwashers.

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>WP P.S.I.*</u>	<u>Braids</u>
DWH-10	5/8	.845	20	1

Rubber Hose Construction

Black heat and weather resistant EPDM rubber cover, with two layers of synthetic textile yarn and a black EPDM rubber core that is resistant to heat and antifreeze solutions.

Applications

May be used as a heavy duty dishwasher discharge hose or as automotive heater hose.

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>WP P.S.I.*</u>	<u>Braids</u>
DWH-8R	1/2	.80	60	2
DWH-10R	5/8	.92	60	2
DWH-12R	3/4	1.05	50	2

*Standard Duty Garden Hose**Hose Construction*

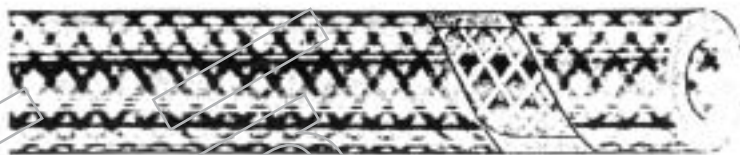
Smooth green P.V.C. cover, with a high strength synthetic yarn braid and a black P.V.C. core.

Applications

Used as lawn and garden hose, nursery water supply hose and light duty wash down hose.

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>WP P.S.I.*</u>	<u>Braids</u>
GH-8	1/2	.70	125	1
GH-10	5/8	.80	125	1
GH-12	3/4	1.00	100	1
GH-16	1	1.31	125	1

* WORKING PRESSURE AT +70° F.

Clear Braided P.V.C. Hose*Hose Construction*

Cover is food grade clear P.V.C., Braid is of high tensile strength yarn and core is manufactured from clear food grade P.V.C..

Applications

Used in applications where a clear hose is required also used in pneumatic, beverage, carpet cleaning systems and lubrication lines.

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>WP P.S.I.*</u>	<u>Braids</u>
PVC-63	3/16	.375	250	1
PVC-84	1/4	.460	250	1
PVC-95	5/16	.525	250	1
PVC-106	3/8	.600	225	1
PVC-128	1/2	.750	200	1
PVC-1410	5/8	.875	200	1
PVC-1712	3/4	1.030	150	1
PVC-2116	1	1.312	125	1
PVC-2820	1-1/4	1.687	100	1
PVC-3224	1-1/2	1.937	100	1
PVC-4032	2	2.500	75	1

* WORKING PRESSURE AT +68° F.

Red Rubber Air Hose*Hose Construction*

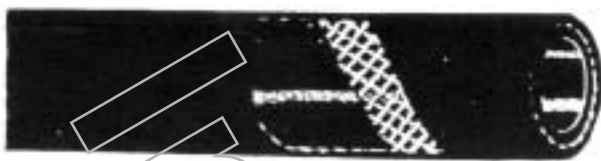
Smooth red abrasion resistant EPDM rubber cover, with high tensile strength synthetic yarn braid and oil mist resistant smooth EPDM core.

Applications

Used in a wide variety of applications that require excellent resistance to heat and weathering, such as service stations, air tools, water and mild chemical transfer lines.

<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>WP P.S.I.*</u>	<u>Braids</u>
RH-3	3/16	.44	250	1
RH-4	1/4	.50	150	1
RH-4/2	1/4	.59	250	2
RH-5	5/16	.63	150	1
RH-5/2	5/16	.66	250	2
RH-6	3/8	.69	150	1
RH-6/2	3/8	.72	250	2
RH-8	1/2	.81	150	1
RH-8/2	1/2	.88	250	2
RH-10/2	5/8	1.00	250	2
RH-12	3/4	1.12	150	1
RH-12/2	3/4	1.16	250	2
RH-16	1	1.38	150	1
RH-16/2	1	1.50	250	2
RH-20/2	1-1/4	1.78	200	2
RH-24/2	1-1/2	2.00	200	2

*WORKING PRESSURE AT +70° F.

Braided Red P.V.C. Hose*Hose Construction*

Cover is constructed from red abrasion resistant P.V.C., with a high tensile strength synthetic yarn braid and a black P.V.C. inner core.

Applications

Designed for in-plant transfer of air, water and mild chemicals. This flexible hose is used in many applications including pneumatics, water coolant lines and as lubrication lines.

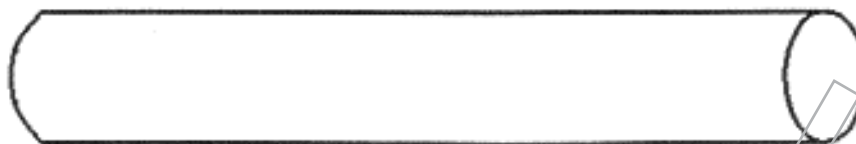
<u>Part No</u>	<u>Hose I.D.</u>	<u>Hose O.D.</u>	<u>WP P.S.I.*</u>	<u>Braids</u>
RVH-4	1/4	.500	250	1
RVH-5	5/16	.530	250	1
RVH-6	3/8	.625	250	1
RVH-8	1/2	.750	250	1
RVH-12	3/4	1.030	175	1

* WORKING PRESSURE AT +68° F.

Les Industries
QUÉBEC
BOLTS

POLYETHYLENE**PAGE 87****NYLON****PAGE 88****NYLON AIR BRAKE****PAGE 89****ALUMINUM****PAGE 90****COPPER****PAGE 91****CLEAR P.V.C.****PAGE 92**

Polyethylene Tubing



Characteristics

Polyethylene tubing has good chemical resistance and is manufactured from F.D.A. approved resins. It is available in both low and high density. Natural (milky white) color is standard. Low density is available in black in all sizes and black is recommended for outdoor use to improve durability in sunlight (ultraviolet rays). The 1/4" O.D. size of low density is also available in blue, green, red and yellow.

High Density Polyethylene Tubing

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
359-4	1/4	.170	.040	250
359-4H	1/4	.125	.062	280
359-5	5/16	.187	.062	250
359-6	3/8	.250	.062	250
359-8	1/2	.375	.062	200

Low Density Polyethylene Tubing

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
360-5/32-BLACK	5/32	.096	.030	120
360-4	1/4	.170	.040	140
360-4H	1/4	.125	.062	200
360-5	5/16	.187	.062	155
360-6	3/8	.250	.062	125
360-8	1/2	.375	.062	100
360-10	5/8	.500	.062	75
360-12	3/4	.625	.062	50

Flame Retardent Linear Low Density Polyethylene Tubing
Tested to UL94-V2

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
FR360-5/32	5/32	.096	.030	120
FR360-4	1/4	.170	.040	140
FR360-6	3/8	.250	.062	125
FR360-8	1/2	.375	.062	100

Standard color on FR series is black, 1/4" O.D. also available in blue, green, yellow, white and red.

*Working pressure at +70° F.

Nylon Tubing



Characteristics

Nylon tubing has a wide range of uses because of its good chemical resistance and higher working pressures. Common applications include instrumentation, lubrication and air lines.

Nylon 11 Flexible Tubing (1000# burst)

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
485-2	1/8	.096	.015	250
485-3	3/16	.138	.025	250
485-4	1/4	.190	.030	250
485-5	5/16	.242	.035	250
485-6	3/8	.295	.040	250
485-8	1/2	.375	.062	250

Nylon 6 Semi-Rigid Tubing (1500# burst)

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
486-2	1/8	.096	.015	375
486-3	3/16	.138	.025	375
486-4	1/4	.190	.030	375
486-5	5/16	.242	.035	375
486-6	3/8	.295	.040	375
486-8	1/2	.375	.062	375

Nylon 11 High Pressure Tubing (2000# burst)

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
487-2	1/8	.079	.023	500
487-4	1/4	.170	.040	500
487-6	3/8	.265	.055	500

*Working pressure at +70° F.

Nylon Air Brake Tubing



Characteristics

Meets all requirements of S.A.E. J844 Type A & Type B and D.O.T. FMVSS 571.106. Developed specifically for air brake applications. Is also used in a wide range of instrumentation and secondary air systems. Sizes 3/8 and larger have a Polyamide fiber reinforcement.

Temperature Range

From -40°F to +200°F.

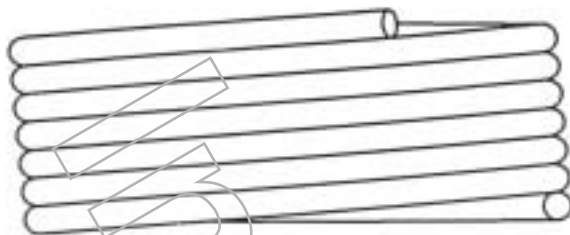
Colors disponible: Noir, Rouge, Bleu, Vert, Jaune

Standard color in all sizes is black. The 1/4" and 3/8" sizes are also stocked in red, blue, green and yellow. The 1/2 " size is also stocked in red and green.

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
* 1485-2 -	1/8	.079	.023	250
* 1485-4 -	1/4	.170	.040	300
* 1485-5 -	5/16	.232	.040	250
* 1485-6 -	3/8	.250	.062	350
* 1485-8 -	1/2	.375	.062	240
* 1485-10 -	5/8	.441	.092	225
* 1485-12 -	3/4	.566	.092	200

***Ajouter les couleurs APRÈS les No. de Produit**

*Working pressure at +70° F.

Aluminum Tubing*Advantages*

Manufactured from aluminum alloy UNS A1435 to meet or exceed ASTM B-491 specifications. Tubing is soft annealed and available from stock in 50 foot coils.

Applications

Used extensively in air, alcohol, ammonia, chemical, gasoline, heating systems, kerosene, natural gas, oil, petroleum products, propane, vacuum lines and water systems.

Temperature Range

From -250°F to +250°F.

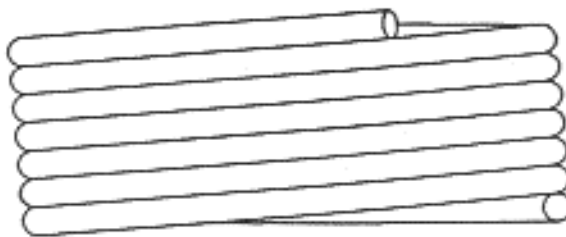
<i>Part No</i>	<i>Tube O.D.</i>	<i>Tube I.D.</i>	<i>Wall Thickness</i>	<i>W.P.P.S.I.*</i>
ALT-2X50	1/8	.055	.035	1,500
ALT-3X50	3/16	.118	.035	937
ALT-4X50	1/4	.180	.035	625
ALT-4XREEL**	1/4	.186	.032	625
ALT-5X50	5/16	.243	.035	500
ALT-6X50	3/8	.340	.035	437
ALT-7X50	7/16	.403	.035	375
ALT-8X50	1/2	.430	.035	312
ALT-10X50	5/8	.590	.035	250

* Working pressure at +70°F. using 4 to 1 safety factor

** Reel lengths vary, please check with our order desk for actual lengths in stock.

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Copper Tubing


Automotive Copper Tubing Standard
Plus Populaire

Part No	Tube O.D.	Wall Thick	Coil Length	WP P.S.I.*
CT-2X25	1/8	.030	25'	2,400
CT-3X25	3/16	.030	25'	1,600
CT-4X25	1/4	.030	25'	1,200
CT-5X25	5/16	.032	25'	1,020
CT-6X25	3/8	.032	25'	850
CT-7X25	7/16	.032	25'	730
CT-8X25	1/2	.032	25'	640
CT-10X25	5/8	.035	25'	560
CT-12X25	3/4	.035	25'	470

Heavy Wall Copper Tubing

Part No	Tube O.D.	Type K size	Wall Thick	Coil Length	WP PSI
CT-4.049X50	1/4		.049	50	1,400
CT-6.049X50	3/8		.049	50	1,050
CT-8.049X60	1/2	3/8	.049	60	980
CT-8.049X66	1/2	3/8	.049	66	980
CT-8.049X100	1/2	3/8	.049	100	980
CT-10.049X60	5/8	1/2	.049	60	780
CT-10.049X66	5/8	1/2	.049	66	780
CT-10.049X100	5/8	1/2	.049	100	780
CT-12.049X60 **	3/4	5/8	.049	60	650
CT-12.049X66	3/4	5/8	.049	66	650
CT-12.049X100	3/4	5/8	.049	100	650
CT-14.065X60	7/8	3/4	.065	60	740
CT-14.065X66	7/8	3/4	.065	66	740
CT-16.049X50 **	1		.049	50	420

Refrigeration Copper Tubing

Part No	Tube O.D.	Wall Thick	Coil Length	WP P.S.I.*
CT-2X50	1/8	.030	50	2,400
CT-2X100	1/8	.030	100	2,400
CT-5/32X50	5/32	.030	50	2,000
CT-3X50	3/16	.030	50	1,600
CT-3X100	3/16	.030	100	1,600
CT-4X50	1/4	.030	50	1,200
CT-4X100	1/4	.030	100	1,200
CT-5X50	5/16	.032	50	1,020
CT-5X100	5/16	.032	100	1,020
CT-6X50	3/8	.032	50	850
CT-6X100	3/8	.032	100	850
CT-7X50	7/16	.032	50	730
CT-8X50	1/2	.032	50	640
CT-8X100	1/2	.032	100	640
CT-10X50	5/8	.035	50	560
CT-12X50	3/4	.035	50	470
CT-14X50	7/8	.035	50	350

Type L Copper Tubing

Part No	Tube O.D.	Type L size	Wall Thick	Coil Length	WP PSI
CTL-6X60	3/8	1/4	.030	60	800
CTL-6X100	3/8	1/4	.030	100	800
CTL-6XREEL**	3/8	1/4	.030	**	800
CTL-8X60	1/2	3/8	.035	60	700
CTL-10X60	5/8	1/2	.040	60	600
CTL-12X60	3/4	5/8	.042	60	500

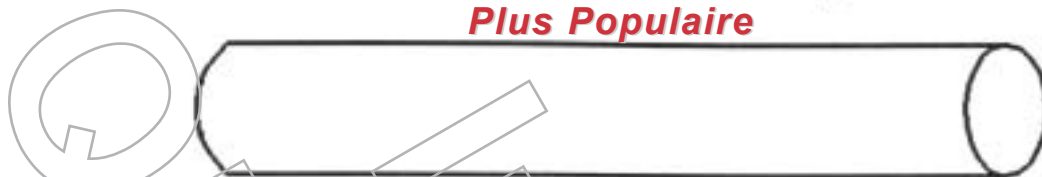
* Working pressure @ 70° F.

** Reel lengths vary, please check with our order desk for actual lengths in stock.

Third Party Certified Plumbing Tubing is available. Please contact our order department for price and availability.

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
 For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Clear Food Grade P.V.C. Tubing
Plus Populaire



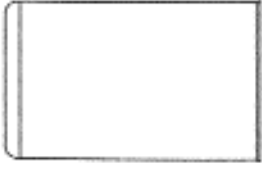
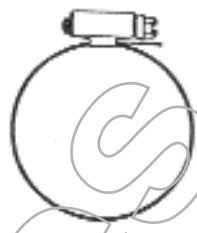
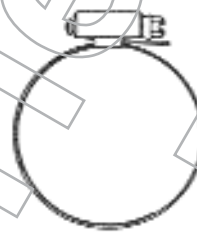
Characteristics

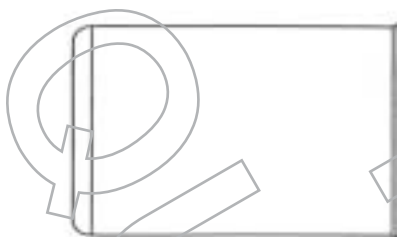
This clear flexible P.V.C. tubing is abrasion resistant and has good chemical resistance. Made from F.D.A. approved resins and found extensively in the food and beverage industry.

(Longueur de 100' seulement)

<u>Part No</u>	<u>Tube O.D.</u>	<u>Tube I.D.</u>	<u>Wall Thickness</u>	<u>WP P.S.I.*</u>
JFT-42	1/4	.125	.062	65
JFT-53	5/16	.187	.062	55
JFT-63	3/8	.187	.094	65
JFT-64	3/8	.250	.062	55
JFT-74	7/16	.250	.094	60
JFT-75	7/16	.312	.062	50
JFT-84	1/2	.250	.125	70
JFT-85	1/2	.312	.094	60
JFT-86	1/2	.375	.062	45
JFT-96	9/16	.375	.094	55
JFT-106	5/8	.375	.125	60
JFT-108	5/8	.500	.062	30
JFT-118	11/16	.500	.094	35
JFT-128	3/4	.500	.125	45
JFT-1210	3/4	.625	.062	20
JFT-1310	13/16	.625	.094	30
JFT-1410	7/8	.625	.125	40
JFT-1612	1	.750	.125	35
JFT-1814	1-1/16	.875	.094	25
JFT-2016	1-1/4	1.000	.125	25
JFT-2218	1-3/8	1.125	.125	20
JFT-2420	1-1/2	1.250	.125	20
JFT-3224	2	1-1/2	.250	25
JFT-4032	2-1/2	2	.250	20

* Working pressure at + 70° F.

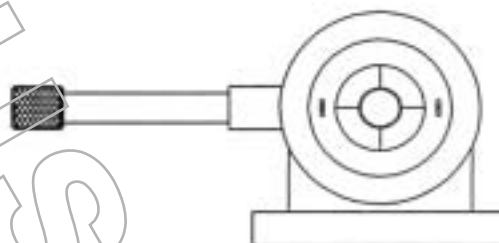
HOSE FERRULES		PAGE 94
WORM GEAR CLAMPS		PAGES 95-96
EXTENDED BAND CLAMPS		PAGE 97
" O " CLAMPS		PAGE 98
ACCESSORIES		PAGE 99
TUBE CLIPS		PAGE 100

Crimp Type Hose Ferrules*Brass Hose Ferrules*

<u>Part No</u>	<u>LD.</u>	<u>Length</u>	<u>Hole Size</u>
FBL-400	.400	.718	.265
FBL-425	.425	.718	.265
FBL-450	.450	.718	.328
FBL-475	.475	.718	.328
FBL-500	.500	.718	.328
FBL-525 **	.525	.718	.406
FBL-550	.550	.718	.406
FBL-575	.575	.968	.406
FBL-600	.600	.968	.453
FBL-625	.625	.968	.453
FBL-650	.650	.968	.453
FBL-675	.675	.968	.500
FBL-700	.700	.968	.500
FBL-725	.725	.968	.500
FBL-750	.750	.968	.500
FBL-775	.775	.968	.593
FBL-800	.800	.968	.593
FBL-825	.825	.968	.687
FBL-850	.850	.968	.687
FBL-875	.875	.968	.750
FBL-900	.900	.968	.750
FBL-925	.925	.968	.750
FBL-950	.950	.968	.750
FBL-975	.975	.968	.875
FBL-1000	1.000	.968	.875
FBL-1025	1.025	.968	.875
FBL-1050	1.050	.968	.875
FBL-1075	1.075	.968	.875
FBL-1100	1.100	.968	.875
FBL-1125	1.125	.968	.875
FBL-1150	1.150	.968	.875
FBL-1175	1.175	.968	.875
FBL-1200	1.200	.968	1.000
FBL-1225	1.225	.968	1.000
FBL-1250	1.250	.968	1.000
FBL-1350	1.350	.968	1.125

Characteristics

Available in a broad range of sizes to fit a wide variety of low pressure hose. When used with ribbed dies and standard hose barb fittings, working pressures of up to 400 P.S.I. have been achieved without fitting blowout. Each application will differ and testing is recommended.

Hose Crimper And Ribbed Dies

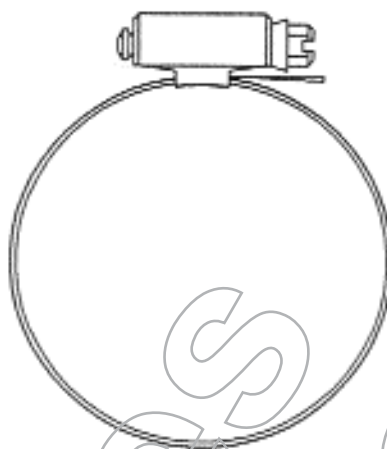
<u>Part No</u>	<u>Description</u>
J660	HAND OPERATED CRIMPER

Ribbed Die Sets

Ribbed die sets are available in all sizes that correspond to our FBL series ferrules. Our product code for this series of dies is J664-. The size codes are the same as the dash codes for the ferrules. Eg. if you wish to crimp an FBL-600 ferrule, you would order Ribbed Die part number J664-600. Die sets are available in increments of .025". For a more secure crimp, it is recommended that you order a die set slightly smaller than the ferrule you are crimping for instance, to crimp the same FBL-600 with a more secure crimp, you would order either a set of J664-575 or J664-550 Dies.

Aluminum and short ferrules are also available. Please contact our order department for information.

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Worm Gear Hose Clamps*Characteristics*

Worm gear hose clamps are available in a wide range of sizes, up to 14" nominal. For applications where corrosion is a factor, the all stainless steel HC5 series should be specified. In applications, such as automotive where a more economical clamp is required our HC6 series which is all stainless steel except for the screw may be used.

Note

The size ranges listed are intended to be used as a guide only. Sizes may vary depending on the clamp manufacturer. For specific information on a particular clamp, please contact our order desk.

*All Stainless Steel Mini Clamp
1/4" slotted hex head 400 series stainless screw
with stainless steel band and housing*

<u>Part No</u>	<u>Nominal</u>	<u>Min</u>	<u>Max</u>
HC5-4	1/4	1/4	5/8
HC5-6	3/8	5/16	7/8

**Hose Clamps Mini
toute en S/S**

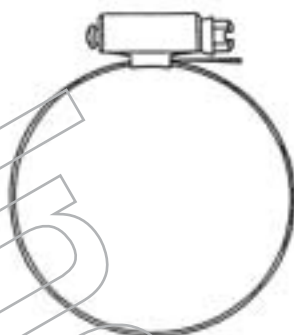
*Plated Carbon Steel Screw Mini Clamp
1/4" slotted hex head double plated carbon steel screw
with stainless steel band and housing*

<u>Part No</u>	<u>Nominal</u>	<u>Min</u>	<u>Max</u>
HC6-4	1/4	1/4	5/8
HC6-6	3/8	5/16	7/8

**Hose Clamps Mini
Standard**

*Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.*

Worm Gear Hose Clamps



*All Stainless Steel Wide Band Clamp
5/16" slotted hex head 305 series stainless steel screw
with stainless steel band and housing*

Toute en S/S

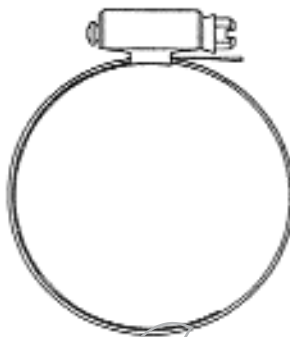
*Plated Carbon Steel Screw Wide Band Clamp
5/16" slotted hex head double plated carbon steel screw
with stainless steel band and housing*

Standard

<i>Part No</i>	<i>Nominal</i>	<i>Min.</i>	<i>Max.</i>	<i>Part No</i>	<i>Nominal</i>	<i>Min.</i>	<i>Max.</i>
HC5-6W	3/8"	3/8	35/32	HC6-6W	3/8"	3/8	35/32
HC5-8	1/2"	1/2	1	HC6-8	1/2"	1/2	1
HC5-10	5/8"	9/16	1-1/8	HC6-10	5/8"	9/16	1-1/8
HC5-12	3/4"	11/16	1-1/4	HC6-12	3/4"	11/16	1-1/4
HC5-16	1"	5/8	1-1/2	HC6-16	1"	5/8	1-1/2
HC5-20	1-1/4"	13/16	1-3/4	HC6-20	1-1/4"	13/16	1-3/4
HC5-24	1-1/2"	1-1/16	2	HC6-24	1-1/2"	1-1/16	2
HC5-28	1-3/4"	1-7/16	2-3/8	HC6-28	1-3/4"	1-7/16	2-3/8
HC5-32	2"	1-9/16	2-1/2	HC6-32	2"	1-9/16	2-1/2
HC5-36	2-1/4"	1-13/16	2-3/4	HC6-36	2-1/4"	1-13/16	2-3/4
HC5-40	2-1/2"	2-1/16	3	HC6-40	2-1/2"	2-1/16	3
HC5-44	2-3/4"	2-5/16	3-1/4	HC6-44	2-3/4"	2-5/16	3-1/4
HC5-48	3"	2-9/16	3-1/2	HC6-48	3"	2-9/16	3-1/2
HC5-52	3-1/4"	2-13/16	3-3/4	HC6-52	3-1/4"	2-13/16	3-3/4
HC5-54	3-1/2"	3	3-13/16	HC6-54	3-1/2"	3	3-13/16
HC5-56	3-1/2"	3	4	HC6-56	3-1/2"	3	4
HC5-60	3-3/4"	3-5/16	4-1/4	HC6-60	3-3/4"	3-5/16	4-1/4
HC5-64	4"	3-9/16	4-1/2	HC6-64	4"	3-9/16	4-1/2
HC5-72	4-1/2"	4-1/8	5	HC6-72	4-1/2"	4-1/8	5
HC5-80	5"	4-5/8	5-1/2	HC6-80	5"	4-5/8	5-1/2
HC5-84	5-1/4"	4-3/8	5-11/16	HC6-84	5-1/4"	4-3/8	5-11/16
HC5-88	5-1/2"	5-1/8	6	HC6-88	5-1/2"	5-1/8	6
HC5-96	6"	5-5/8	6-1/2	HC6-96	6"	5-5/8	6-1/2
HC5-104	6-1/2"	6-1/8	7	HC6-104	6-1/2"	6-1/8	7
HC5-116	7-1/4"	6-7/8	7-3/4	HC6-116	7-1/4"	6-7/8	7-3/4
HC5-120	7-1/2"	6-5/8	7-7/8	HC6-120	7-1/2"	6-5/8	7-7/8
HC5-124	7-3/4"	6-7/8	7-3/4	HC6-124	7-3/4"	6-7/8	7-3/4
HC5-128	8"	7-5/8	8-1/2	HC6-128	8"	7-5/8	8-1/2
HC5-140	8-3/4"	7-7/8	9-1/4	HC6-140	8-3/4"	7-7/8	9-1/4
HC5-152	9-1/2"	9-1/8	10	HC6-152	9-1/2"	9-1/8	10
HC5-156	9-3/4"	8-7/8	10-1/4	HC6-156	9-3/4"	8-7/8	10-1/4
HC5-160	10"	9-1/8	10-1/2	HC6-160	10"	9-1/8	10-1/2
HC5-180	11-1/4"	10-7/8	11-3/4	HC6-180	11-1/4"	10-7/8	11-3/4
HC5-190	11-3/4"	10-7/8	12-1/4	HC6-190	11-3/4"	10-7/8	12-1/4
HC5-212	13-1/8"	12-5/16	13-5/8	HC6-212	13-1/8"	12-5/16	13-5/8
HC5-224	14"	13-1/4	14-1/2	HC6-224	14"	13-1/4	14-1/2

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Extended Band Clamps**Hose Clamps Double***Characteristics*

Extended band clamps retain all of the features of the carbon steel screw gear clamp, while providing an inner shield to protect soft hose from the notches in the band.

*Plated Carbon Steel Screw Extended Band Clamp
5/16" slotted hex head plated carbon steel screw
with all stainless steel band and housing*

<u>Part No</u>	<u>Nominal</u>	<u>Min.</u>	<u>Max.</u>
HC7-10	5/8"	9/16	1-1/8
HC7-12	3/4"	11/16	1-1/4
HC7-16	1"	13/16	1-1/2
HC7-20	1-1/4"	1-1/16	1-15/16
HC7-24	1-1/2"	1-1/16	2
HC7-28	1-3/4"	1-5/16	2-1/4
HC7-32	2"	1-9/16	2-1/2
HC7-36	2-1/4"	1-13/16	2-3/4
HC7-40	2-1/2"	2-1/16	3
HC7-44	2-3/4"	2-5/16	3-1/4
HC7-48	3"	2-9/16	3-1/2
HC7-52	3-1/4"	2-13/16	3-3/4
HC7-56	3-1/2"	3-1/16	4
HC7-60	3-3/4"	3-5/16	4-1/4
HC7-64	4"	3-9/16	4-1/2
HC7-68	4-1/4"	3-7/8	4-3/4
HC7-72	4-1/2"	4-1/16	5
HC7-76	4-3/4"	4-3/8	5-1/4
HC7-80	5"	4-9/16	5-1/2
HC7-84	5-1/4"	4-7/8	5-3/4
HC7-88	5-1/2"	5-1/16	6

*Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.*

"O" Clamps*One-Ear Galvanized Steel Clamps**Two-Ear Zinc Plated Clamps*

<i>Part No</i>	<i>Nominal</i>	<i>Min.</i>	<i>Max.</i>
HC8-6	3/8"	.343	.414
HC8-7	7/16"	.381	.444
HC8-7½	15/32"	.394	.486
HC8-8	1/2"	.453	.524
HC8-8½	35/64"	.472	.551
HC8-9	9/16"	.496	.571
HC8-10	5/8"	.543	.618
HC8-11	11/16"	.594	.669
HC8-11½ **	23/32"	.618	.728
HC8-12	3/4"	.669	.779
HC8-13	13/16"	.716	.827
HC8-14	7/8"	.779	.890
HC8-15	15/16"	.839	.949
HC8-16	1"	.898	1.008
HC8-17	1-1/16"	.945	1.067
HC8-18	1-1/8"	1.004	1.126
HC8-19	1-3/16"	1.063	1.185
HC8-20	1-1/4"	1.122	1.244
HC8-21	1-5/16"	1.181	1.303
HC8-22	1-3/8"	1.240	1.362
HC8-23	1-7/16"	1.299	1.421
HC8-24	1-1/2"	1.378	1.500
HC8-25	1-9/16"	1.437	1.559
HC8-26	1-5/8"	1.492	1.614
HC8-28	1-3/4"	1.669	1.791
HC8-30	1-7/8"	1.787	1.909
HC8-32	2"	1.905	2.028
HC8-36	2-1/4"	2.142	2.264
HC8-40	2-1/2"	2.378	2.500
HC8-44	2-3/4"	2.673	2.795
HC8-48	3"	2.909	3.031
HC8-52	3-1/4"	3.146	3.268
HC8-62	3-7/8"	3.795	3.917

<i>Part No</i>	<i>Nominal</i>	<i>Min.</i>	<i>Max.</i>
HC9-2-1/2	5/32"	.122	.161
HC9-2-3/4	11/64"	.138	.177
HC9-3	3/16"	.118	.197
HC9-4	1/4"	.197	.276
HC9-5	5/16"	.276	.354
HC9-6	3/8"	.315	.433
HC9-7	7/16"	.354	.433
HC9-8	1/2"	.433	.512
HC9-9	9/16"	.512	.591
HC9-9-1/2	19/32"	.591	.669
HC9-10	5/8"	.591	.708
HC9-12	3/4"	.669	.787
HC9-13	13/16"	.748	.866
HC9-14	7/8"	.787	.905
HC9-15	15/16"	.866	.984
HC9-16	1"	.905	1.063
HC9-17	1-1/16"	.984	1.102
HC9-18	1-1/8"	1.063	1.220
HC9-19	1-3/16"	1.102	1.220
HC9-21	1-5/16"	1.220	1.339
HC9-23	1-7/16"	1.339	1.457
HC9-24	1-1/2"	1.457	1.575
HC9-26	1-5/8"	1.575	1.693
HC9-28	1-3/4"	1.693	1.811

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Crimping Plncers

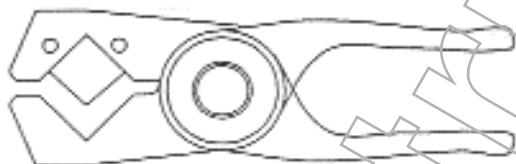


Part No

Description

HC9-R	STRAIGHT JAW Pincer
IIC9-RH	HEAVY DUTY STRAIGHT JAW
HC9-S	SIDE JAW Pincer

Multi Cutter



Part No

Description

MULTI CUTTER 1-1/8 MAX. HOSE DIA.

Field Kits

A handy item for any tool box, each plastic kit box contains the following:

Quantity

Part No

Description

20	HC9-9	9/16" 2-EAR CLAMP
20	HC9-10	5/8" 2-EAR CLAMP
20	HC9-12	3/4" 2-EAR CLAMP
20	HC9-14	7/8" 2-EAR CLAMP
20	HC9-18	1-1/8" 2-EAR CLAMP
5	406R	1/4" S.S. HOSE MENDER
5	408R	5/16" SS HOSE MENDER
5	410R	3/8" S.S. HOSE MENDER
5	413R	1/2" S.S. HOSE MENDER
5	416R	5/8" S.S. HOSE MENDER
1		PINCERS AS SHOWN BELOW

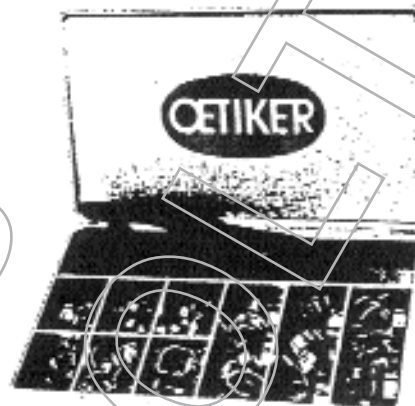
Part No

Description

FK1097	WITH STRAIGHT JAW Pincer
FK1098	WITH HEAVY STRAIGHT JAW Pincer
FK1099	WITH SIDE JAW Pincer

Service Kits

a handy item for any tool box, each plastic kit box contains the following



Quantity

Part No

Description

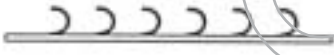
15	HC9-5	5/16" 2-EAR CLAMP
15	HC9-7	7/16" 2-EAR CLAMP
15	HC9-8	1/2" 2-EAR CLAMP
15	HC9-9	9/16" 2-EAR CLAMP
15	HC9-10	5/8" 2-EAR CLAMP
12	HC9-12	3/4" 2-EAR CLAMP
12	HC9-14	7/8" 2-EAR CLAMP
12	HC9-15	15/16" 2-EAR CLAMP
12	HC9-16	1" 2-EAR CLAMP
1		PINCERS AS SHOWN BELOW

Part No

Description

SK1097	WITH STRAIGHT JAW Pincer
SK1098	WITH HEAVY STRAIGHT JAW Pincer
SK1099	WITH SIDE JAW Pincer

*Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.*

2 Hole Tube Clips (copper coated)  <u>Part No</u> <u>Tube</u> TS14C-6 3/8 TS14C-8 1/2 TS14C-14 7/8	Steel Duplex Clips (zinc plated)  <u>Part No</u> <u>Tube</u> <u>Tube</u> TS19-22 1/8 1/8 TS19-44 1/4 1/4 TS19-46 1/4 3/8 TS19-66 3/8 3/8 TS19-88 1/2 1/2 TS19-1010 5/8 5/8	Steel Single Clips (zinc plated)  <u>Part No</u> <u>Tube</u> TS20-2 1/8 TS20-3 3/16 TS20-4 1/4 TS20-5 5/16 TS20-6 3/8 TS20-8 1/2 TS20-10 5/8 TS20-12 3/4 TS20-14 7/8 TS20-16 1
Nylon Tube Clips  <u>Part No</u> <u>Tube</u> TS17P-4 1/4 TS17P-6 3/8 TS17P-8 1/2	Copper Coated Duplex Clips  <u>Part No</u> <u>Tube</u> <u>Tube</u> TS19C-22 1/8 1/8 TS19C-44 1/4 1/4 TS19C-46 1/4 3/8 TS19C-66 3/8 3/8 TS19C-88 1/2 1/2	Copper Coated Single Clips  <u>Part No</u> <u>Tube</u> TS20C-2 1/8 TS20C-3 3/16 TS20C-4 1/4 TS20C-5 5/16 TS20C-6 3/8 TS20C-8 1/2 TS20C-10 5/8 TS20C-12 3/4 TS20C-14 7/8
"J" Clips  <u>Part No</u> <u>Tube</u> TS18-6 3/8-1/2 TS18-10 5/8	Steel Gang Strap (zinc plated)  <u>Part No</u> <u>Tube</u> TS22-4 6 TUBES 1/4	Pure Copper Single Clips  <u>Part No</u> <u>Tube</u> TS21-2 1/8 TS21-3 3/16 TS21-4 1/4 TS21-5 5/16 TS21-6 3/8 TS21-8 1/2 TS21-10 5/8 TS21-12 3/4

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Advantages

All of our quick disconnect couplers are valved for an instantaneous shut-off when connected to the upstream pressure side of your application. Nipples are supplied without valves. The stainless steel ball bearing locking design and sleeve engagement permits complete swiveling action, this allows the hose to be uncoiled without kinking. Standard seals provided from stock are Buna-N.

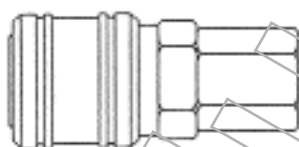
Working Temperature Range

From -40° F to +250° F

Working Pressure

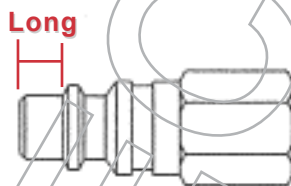
Up to 300 P.S.I. @ 70° F.

*Aro 210 Interchange
1/4" Couplers*



Coupler (Long)

*Aro 210 Interchange
1/4" Nipples*



Coupler (Long)

*Industrial Interchange Couplers
(with female pipe threads)*



Coupler (Court)

<u>Part</u>	<u>End Fitting</u>
35C4-4F	1/4" FEMALE PIPE
35C4-4H	1/4" HOSE BARB
35C4-4M	1/4" MALE PIPE

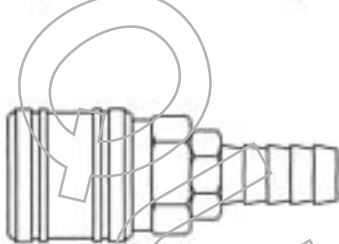
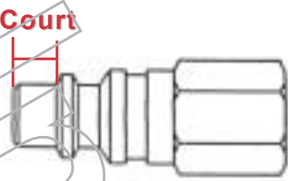
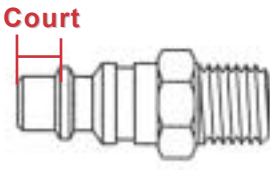
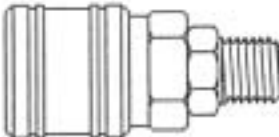
<u>Part No</u>	<u>End Fitting</u>
35N4-4F	1/4" FEMALE PIPE
35N4-4H	1/4" HOSE BARB
35N4-4M	1/4" MALE PIPE

<u>Part No</u>	<u>Coupler</u>	<u>Pipe</u>
36C4-2F	1/4	1/8
36C4-4F	1/4	1/4
36C4-6F	1/4	3/8
36C6-4F	3/8	1/4
36C6-6F	3/8	3/8
36C6-8F	3/8	1/2
36C8-6F	1/2	3/8
36C8-8F	1/2	1/2

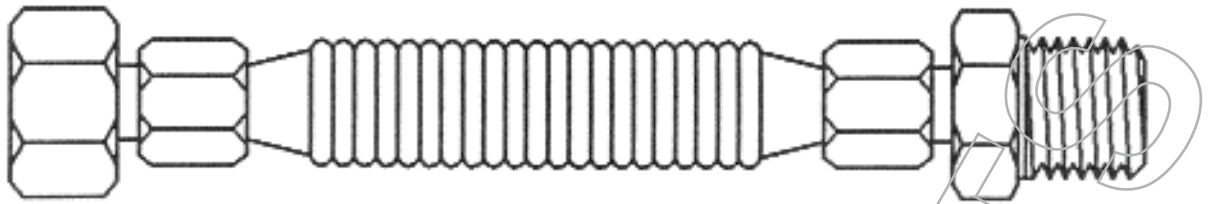
Brass

<u>Part No</u>	<u>Coupler</u>	<u>Pipe</u>
B36C4-4F	1/4	1/4

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

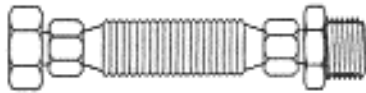
Industrial Interchange Couplers (with hose barb ends) 			Industrial Interchange Nipples (with female pipe threads) 			Industrial Interchange Nipples (with male pipe threads) 		
			Coupler (Court)			Coupler (Court)		
<u>Part No</u>	<u>Coupler</u>	<u>Hose</u>	<u>Part No</u>	<u>Nipple</u>	<u>Pipe</u>	<u>Part No</u>	<u>Nipple</u>	<u>Pipe</u>
36C4-4H	1/4	1/4	36N4-2F	1/4	1/8	36N4-2M	1/4	1/8
36C4-6H	1/4	3/8	36N4-4F	1/4	1/4	36N4-4M	1/4	1/4
36C6-6H	3/8	3/8	36N4-6F	3/4	3/8	36N4-6M	1/4	3/8
36C8-8H	1/2	1/2	36N6-4F	3/8	1/4	36N6-4M	3/8	1/4
			36N6-6F	3/8	3/8	36N6-6M	3/8	3/8
			36N8-8F	1/2	1/2	36N8-8M	1/2	1/2
			Brass			Brass		
			<u>Part No</u>	<u>Nipple</u>	<u>Pipe</u>	<u>Part No</u>	<u>Nipple</u>	<u>Pipe</u>
			B36N4-4F	1/4	1/4	B36N4-4M	1/4	1/4
Industrial Interchange Couplers (with male pipe threads) 			Industrial Interchange Nipples (with hose barb ends) 					
<u>Part No</u>	<u>Coupler</u>	<u>Pipe</u>	<u>Part No</u>	<u>Nipple</u>	<u>Hose</u>			
36C4-2M	1/4	1/8	36N4-4H	1/4	1/4			
36C4-4M	1/4	1/4	36N4-6H	1/4	3/8			
36C4-6M	1/4	3/8	36N6-4H	3/8	1/4			
36C6-4M	3/8	1/4	36N6-6H	3/8	3/8			
36C6-6M	3/8	3/8	36N6-8H	3/8	1/2			
36C8-8M	1/2	1/2	36N8-8H	1/2	1/2			
Brass								
<u>Part No</u>	<u>Coupler</u>	<u>Pipe</u>						
B36C4-4M	1/4	1/4						

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.



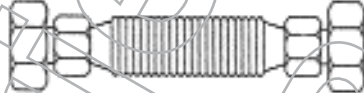
C.G.A. approved stainless steel gas appliance connectors are tested to ensure compliance with Standard CAN1-6.10. This product also complies with the standard for metal connectors for gas appliances, ANSI Z21.24.

*Appliance Connectors
(female x male pipe)*



<i>Part No</i>	<i>Length</i>	<i>Pipe</i>
SSC21-12	12"	3/4
SSC21-18	18"	3/4
SSC21-24	24"	3/4
SSC21-36	36"	3/4
SSC21-48	48"	3/4
SSC21-60	60"	3/4
SSC21-72	72"	3/4
SSC54-12	12"	1/2
SSC54-18	18"	1/2
SSC54-24	24"	1/2
SSC54-36	36"	1/2
SSC54-48	48"	1/2
SSC54-60	60"	1/2
SSC54-72	72"	1/2

*Appliance Connectors
(female pipe both ends)*



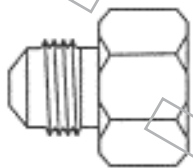
<i>Part No</i>	<i>Length</i>	<i>Pipe</i>
SSC22-12	12"	3/4
SSC22-18	18"	3/4
SSC22-24	24"	3/4
SSC22-36	36"	3/4
SSC22-48	48"	3/4
SSC22-60	60"	3/4
SSC22-72	72"	3/4
SSC55-12	12"	1/2
SSC55-18	18"	1/2
SSC55-24	24"	1/2
SSC55-36	36"	1/2
SSC55-48	48"	1/2
SSC55-60	60"	1/2
SSC55-72	72"	1/2

*Appliance Connectors
(male pipe both ends)*



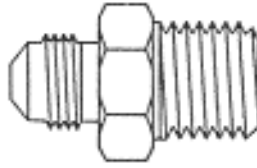
<i>Part No</i>	<i>Length</i>	<i>Pipe</i>
SSC44-12	12"	1/2
SSC44-18	18"	1/2
SSC44-24	24"	1/2
SSC44-36	36"	1/2
SSC44-48	48"	1/2
SSC44-60	60"	1/2
SSC44-72	72"	1/2

*Female Adaptors
(15/16-16 UN-2B x female pipe)*



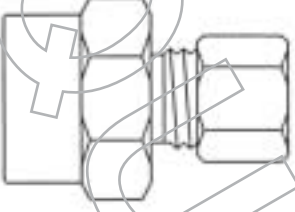
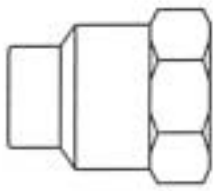
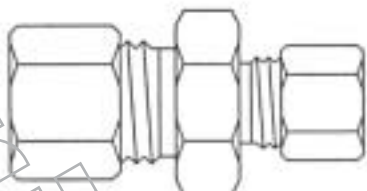
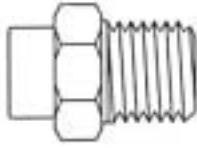
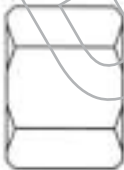
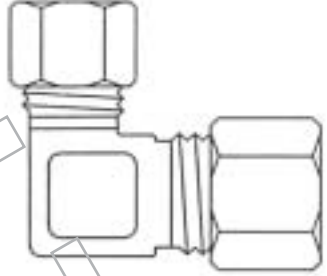
<i>Part No</i>	<i>Pipe</i>
MAU1-10-8S	1/2
MAU1-10-12S	3/4

*Male Adaptors
(15/16-16 UN-2A x male pipe)*



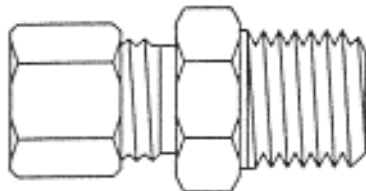
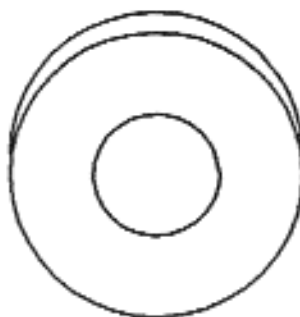
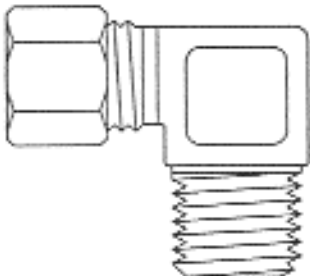
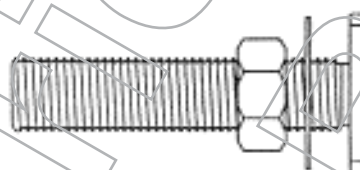
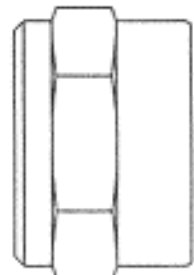
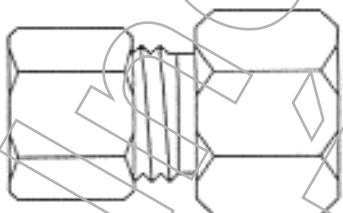
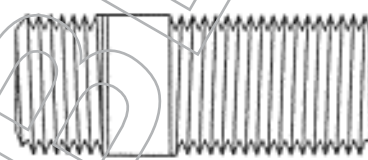
<i>Part No</i>	<i>Pipe</i>
MAU2-10-8S	1/2
MAU2-10-12S	3/4

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Compression Adaptor (copper pipe x compression rough brass)			Three Piece Union (copper pipe both ends)		Compression Cap (rough brass)	
						
<u>Part No</u>	<u>C.P. Nom</u>	<u>Tube OD</u>	<u>Part No</u>	<u>C.P. Nom</u>	<u>Part No</u>	<u>Tube</u>
66BS-10-6	1/2	3/8	104BS-10	1/2	C61-4	1/4
			104BS-14	3/4	C61-6	3/8
					C61-8	1/2
					C61-10	5/8
Female Pipe Adaptor (copper pipe x F.I.P.)			Copper Pipe Cap		Reducing Compression Coupling (plated)	
						
<u>Part No</u>	<u>C.P. Nom</u>	<u>Pipe</u>	<u>Part No</u>	<u>C.P. Nom</u>	<u>Part No</u>	<u>Tube</u> <u>Tube</u>
66BS-10B	1/2	1/4	108BS-10	1/2	62P-10-6	5/8 3/8
66BS-10C	1/2	3/8				
66BS-10D	1/2	1/2				
66BS-10E	1/2	3/4				
66BS-14D	3/4	1/2				
66BS-14E	3/4	3/4				
Male Pipe Adaptor (copper pipe x M.I.P.)			Compression Nuts (plated)		Reducing Compression Elbow (plated)	
						
<u>Part No</u>	<u>C.P. Nom</u>	<u>Pipe</u>	<u>Part No</u>	<u>Tube</u>	<u>Part No</u>	<u>Tube</u> <u>Tube</u>
68BS-10B	1/2	1/4	61P-6	3/8	65P-10-6	5/8 3/8
68BS-10C	1/2	3/8	61P-8	1/2		
68BS-10D	1/2	1/2	61P-10	5/8		
68BS-10E	1/2	3/4				
68BS-14D	3/4	1/2				
68BS-14E	3/4	3/4				

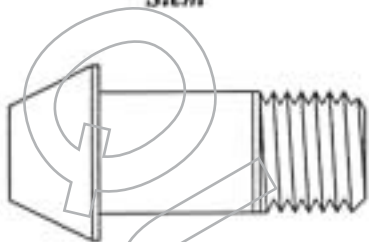
Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.

For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Compression Adaptor (tube x male pipe plated) 	Teflon Tape 	Faucet Tailpiece Coupling Nut 																											
<table><tr><td><u>Part No</u></td><td><u>Tube</u></td><td><u>Pipe</u></td></tr><tr><td>68P-6C</td><td>3/8</td><td>3/8</td></tr><tr><td>68P-6D</td><td>3/8</td><td>1/2</td></tr></table>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	68P-6C	3/8	3/8	68P-6D	3/8	1/2	<table><tr><td><u>Part No</u></td><td><u>Width</u></td><td><u>Length</u></td></tr><tr><td>121-M8</td><td>1/2"</td><td>480"</td></tr></table>	<u>Part No</u>	<u>Width</u>	<u>Length</u>	121-M8	1/2"	480"	<table><tr><td><u>Part No</u></td><td><u>Pipe</u></td></tr><tr><td>700-01</td><td>1/2</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	700-01	1/2								
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>																											
68P-6C	3/8	3/8																											
68P-6D	3/8	1/2																											
<u>Part No</u>	<u>Width</u>	<u>Length</u>																											
121-M8	1/2"	480"																											
<u>Part No</u>	<u>Pipe</u>																												
700-01	1/2																												
90° Elbow (tube x male pipe plated) 	Brass Closet bolts 	Ballcock Coupling Nut 																											
<table><tr><td><u>Part No</u></td><td><u>Tube</u></td><td><u>Pipe</u></td></tr><tr><td>69P-6C</td><td>3/8</td><td>3/8</td></tr></table>	<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>	69P-6C	3/8	3/8	<table><tr><td><u>Part No</u></td><td><u>Size</u></td><td><u>Length</u></td></tr><tr><td>CLOSET BOLTS</td><td>5/16"</td><td>2-1/4"</td></tr></table>	<u>Part No</u>	<u>Size</u>	<u>Length</u>	CLOSET BOLTS	5/16"	2-1/4"	<table><tr><td><u>Part No</u></td><td><u>Thread</u></td></tr><tr><td>700-02</td><td>15/16-14</td></tr></table>	<u>Part No</u>	<u>Thread</u>	700-02	15/16-14											
<u>Part No</u>	<u>Tube</u>	<u>Pipe</u>																											
69P-6C	3/8	3/8																											
<u>Part No</u>	<u>Size</u>	<u>Length</u>																											
CLOSET BOLTS	5/16"	2-1/4"																											
<u>Part No</u>	<u>Thread</u>																												
700-02	15/16-14																												
Compression Adaptor (female compression x male compression) 	Tub Spout Nipples 	Humidifier Bushing (solder x female pipe) 																											
<table><tr><td><u>Part No</u></td><td><u>Female</u></td><td><u>Male</u></td></tr><tr><td>201-79</td><td>1/4</td><td>3/8</td></tr></table> (female flare x male compression) <table><tr><td><u>Part No</u></td><td><u>Female</u></td><td><u>Male</u></td></tr><tr><td>201-80</td><td>1/4</td><td>3/8</td></tr></table>	<u>Part No</u>	<u>Female</u>	<u>Male</u>	201-79	1/4	3/8	<u>Part No</u>	<u>Female</u>	<u>Male</u>	201-80	1/4	3/8	<table><tr><td><u>Part No</u></td><td><u>Pipe</u></td><td><u>Length</u></td></tr><tr><td>113-D31/4SP</td><td>1/2</td><td>3-1/4"</td></tr><tr><td>113-D41/2SP</td><td>1/2</td><td>4-1/2"</td></tr></table>	<u>Part No</u>	<u>Pipe</u>	<u>Length</u>	113-D31/4SP	1/2	3-1/4"	113-D41/2SP	1/2	4-1/2"	<table><tr><td><u>Part No</u></td><td><u>C.P Nom</u></td><td><u>Pipe</u></td></tr><tr><td>700-03</td><td>1/2"</td><td>1/8</td></tr></table>	<u>Part No</u>	<u>C.P Nom</u>	<u>Pipe</u>	700-03	1/2"	1/8
<u>Part No</u>	<u>Female</u>	<u>Male</u>																											
201-79	1/4	3/8																											
<u>Part No</u>	<u>Female</u>	<u>Male</u>																											
201-80	1/4	3/8																											
<u>Part No</u>	<u>Pipe</u>	<u>Length</u>																											
113-D31/4SP	1/2	3-1/4"																											
113-D41/2SP	1/2	4-1/2"																											
<u>Part No</u>	<u>C.P Nom</u>	<u>Pipe</u>																											
700-03	1/2"	1/8																											

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

Faucet Tailpiece
Stem



Part No

700-05

Pipe

1/4

Faucet Tailpiece
Locknut



Part No

700-06

Pipe

1/2

** = ce produit est discontinué

Pour les Raccords en Acier Inoxydable, ajoutez le suffixe "S/S" au numéro de la pièce ci-dessus.
For Stainless Steel fittings, add the suffix "S/S" to the above part number.

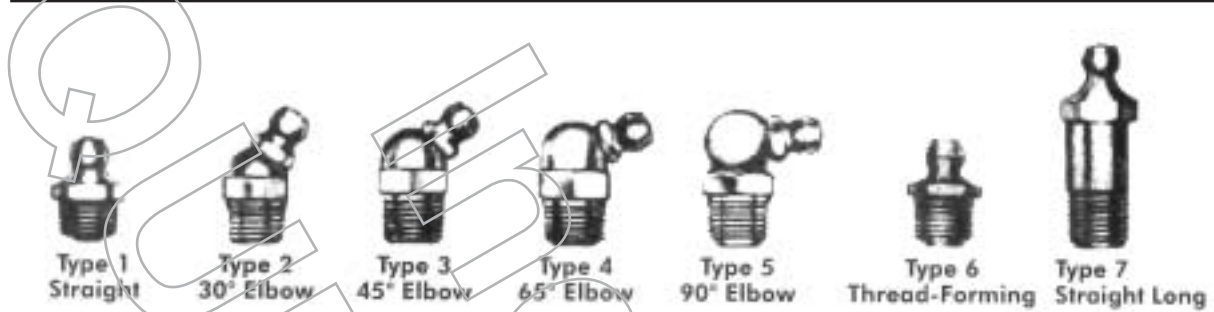
PART	PAGE	PART	PAGE	PART	PAGE	PART	PAGE	PART	PAGE	PART	PAGE
32	10	64	18	111	25	148	34	261VF	39	471	47
33	10	65	18	112	25	149	34	262VF	39	472	47
34	10					150	34	264VF	39-40	474	47
35	10	65P	104	113	25-26	151	34			476	47
						154	34	266VF	40	477	47
35C	101	66	19	113	105	155	34	269VF	40		
35N	101							270VF	40	480	45
		66BS	104	115	26	161	17	271VF	40	481	45
36	10			116	26			272VF	40		
		67	19	117	26	181	35	277VF	40	485	88
36C	101-102	68	19	118	26	182	35			486	88
36N	102					188	35	293	67	487	88
		68BS	104	119	27	189	35				
37	10			120	27			359	87	562V	48
38	10	68P	105	121	27	191	36	360	87	564V	48
						192	36			568V	48
39	11	69	19	121	105			361	42		
40	11					193	37	361PG	42	569F	49
41	11	69P	105	122	27	193L	37	361SG	42	569V	49
41S	11					193-195	37			570V	49
42	11	70	20	123	29	193-195H	37	362	43	572V	49
		71	20			193-195L	37	362SG	43	577V	49
43	12	72	20	124	27	194	37	364	43	578V	49
44	12	74	20			195	37	364SG	43	580V	49
45	12	76	20	125	29	195L	37	365	43	581V	49
				125ST	29	196	37-38	365SG	43		
46	13	77	21	126	29			366	43	700	105-106
48	13	78	21	127	29	197	38	366SG	43		
48S	13	79	21	128	29	198	38			725	50
49	13	81	21			199	38	368	44	726	50
				129	30	199S	38	368SG	44	727	50
50	14	99	22	130	30	200	38	369	44		
51	14	100	22	131	30	201	38	369SG	44	728	51
52	14			132	30			370	44	729	51
53	14	101	23	133	30	201	105	370SG	44	731	51
54	14	102	23	134	30			371	44	732	51
55	14-15	103	23	134ST	30	202	38	371SG	44	735	51
		104	23	135	30-31	203	38	372	44	736	51
56	15							372SG	44	737	51
57	15	104BS	104	136	31	217	66	377	44	738	51
58	15			137	31	224	66	377SG	44	739	51
59	15	105	24	138	31	239	66	381	44		
		106	24	139	31	240	66			750	52
60	17	107	24	140	31	241	66	462	45-46	751	52
61	17	108	24			242	66			752	52
				141	33			464	46	753	52
61P	104	108BS	104	142	33	243	67	465	46		
						245	67	466	46	761	78
62	17-18	109	24	143	31			467	46		
						259VF	39	468	46	860	53
62P	104	110	25	144	33					861	53
				145	33	260	17	469	47	862	53
63	18	110FB	24	146	33			470	47	868	53
						260VF	39			869	53

** = ce produit est discontinué

PART	PAGE	PART	PAGE	PART	PAGE	PART	PAGE	PART	PAGE	PART	PAGE
958	54	1470	61	3048	69	B1492	63	HC5	95-96	T68	20
962	54	1471	61	3049	69			HC6	95-96		
962BH	54	1472	61			B36C	101-102			TS14C	100
963	54	1474	61	3062	70			HC7	97	TS17P	100
964	54	1477	61	3068	70	B36N	102			TS18	100
965	54	1481	61	3069	70			HC8	98	TS19	100
966	54			3103	70	BCH	80	HC9	98-99	TS19C	100
		1485	89	3120	70					TS20	100
967	55					BV2062	74	J660	94	TS20C	100
968	55	1490	63	3122	71			J664	94	TS21	100
969	55	1491	63	5042	71	BV2101	74			TS22	100
970	55	1492	63	5048	71	BV2103	74-75	JFT	92		
971	55			5062	71						
972	55	1493	64	5068	71	BV4042	75	K1	15		
977	55			5103	71	BV4046	75				
978	55	1494	63	5120	71	BV4048	75	MAU1	103		
		1494N	63	5122	71	BV4103	75	MAU2	103		
1049	67	1494S	63			BV5103	75				
1054	67			6103	72			MULTI			
		1495	64	6120	72	C61	17-104	CUTTER	99		
1074	34	1496	64	6122	72						
		1497	64	6125	72	CLOSET		PL141	33		
1139	67	1500	64	6139	72	BOLT	105				
				7103	72			PVC	82		
1160	57	1500	66	7120	72	CT	91				
1161	57			7125	72	CTL	91	RH	83		
1162	57	1501	64								
1164	57	1502	64	7727	34	DWH	81	RVH	84		
1165	57			7732	34						
1166	57	1935	79	7771	34	E4	15	S141	33		
1168	57	1960	79	7781	34						
		1961	79	7817	34	FBL	94	S3069	70		
1169	58	1961N	79	7818	34						
1170	58	1961S	79	7828	34	FK1097	99	SK1097	99		
1171	58	1962	79	7829	34	FK1098	99	SK1098	99		
1172	58	1966	79	7908	34	FK1099	99	SK1099	99		
1174	58	1968	79	7909	34						
1177	58	1978	79	7910	34	FO100	23	SL141	33		
				7911	34	FO101	23				
1366	80	1985	78	7912	34	FO102	23	SSC21	103		
				7913	34			SSC22	103		
1410	67	2042	68	7915	34	FO104	24	SSC44	103		
		2048	68	7916	34	FO106	24	SSC54	103		
1460	60	2062	68			FO107	24	SSC55	103		
1461	60	2064	68	8103	73						
1462	60	2068	68	8120	73	FO124	27	SW125	31		
1463	60	2101	68	8122	73						
1464	60	2102	68	8125	73	FR360	87	SW217	66		
1465	60			8139	73						
1466	60	2103	69	9103	73	G261	73	SWBV2103	74		
1467	60	2120	69	9120	73						
		2122	69	9139	73	GH	81	T241-B	65		
1468	61	2125	69								
1469	61	3042	6	ALT	90	GHW	38	T6	15		

** = ce produit est discontinué

HYDRAULIC GREASE FITTINGS - GRAISSEURS HYDRAULIQUES



Graisseurs hydrauliques fait d'acier plaqué zinc. Traité à chaud et testé à 8,000 p.s.i.
Paquet standard de 25 unités.

*Hydraulic grease fittings made from zinc-plated steel. Heat treated and tested at 8,000 p.s.i.
Standard package of 25 pieces.*

IMPERIAL FITTINGS		
Code	Type	Description
904-607	7	1/8 NPT Straight Long
904-610	1	1/8 NPT Straight
904-611	2	1/8 NPT 30° Elbow
904-688	3	1/8 NPT 45° Elbow
904-612	4	1/8 NPT 65° Elbow
904-613	5	1/8 NPT 90° Elbow
904-627	1	1/4 NPT Straight
904-629	4	1/4 NPT 65° Elbow
904-641	1	1/4-28 Straight
904-652	7	1/4-28 Straight Long
904-636	3	1/4-28 45° Short
904-637	3	1/4-28 45° Long

IMPERIAL FITTINGS		
Code	Type	Description
904-691	5	1/4-28 90° Elbow
904-692	1	5/16-24 Straight
904-693	1	3/8-24 Straight
904-690	6	1/4-28 Thread-Forming

METRIC FITTINGS		
Code	Type	Description
904-701	1	6mm x 1.0 Straight
904-745	3	6mm x 1.0 45° Elbow
904-790	5	6mm x 1.0 90° Elbow
904-702	1	8mm x 1.0 Straight
904-746	3	8mm x 1.0 45° Elbow
904-791	5	8mm x 1.0 90° Elbow
904-703	1	10mm x 1.0 Straight