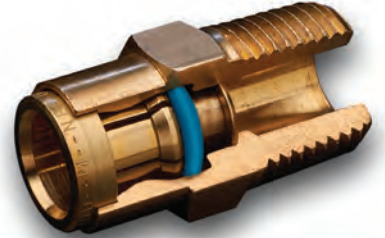


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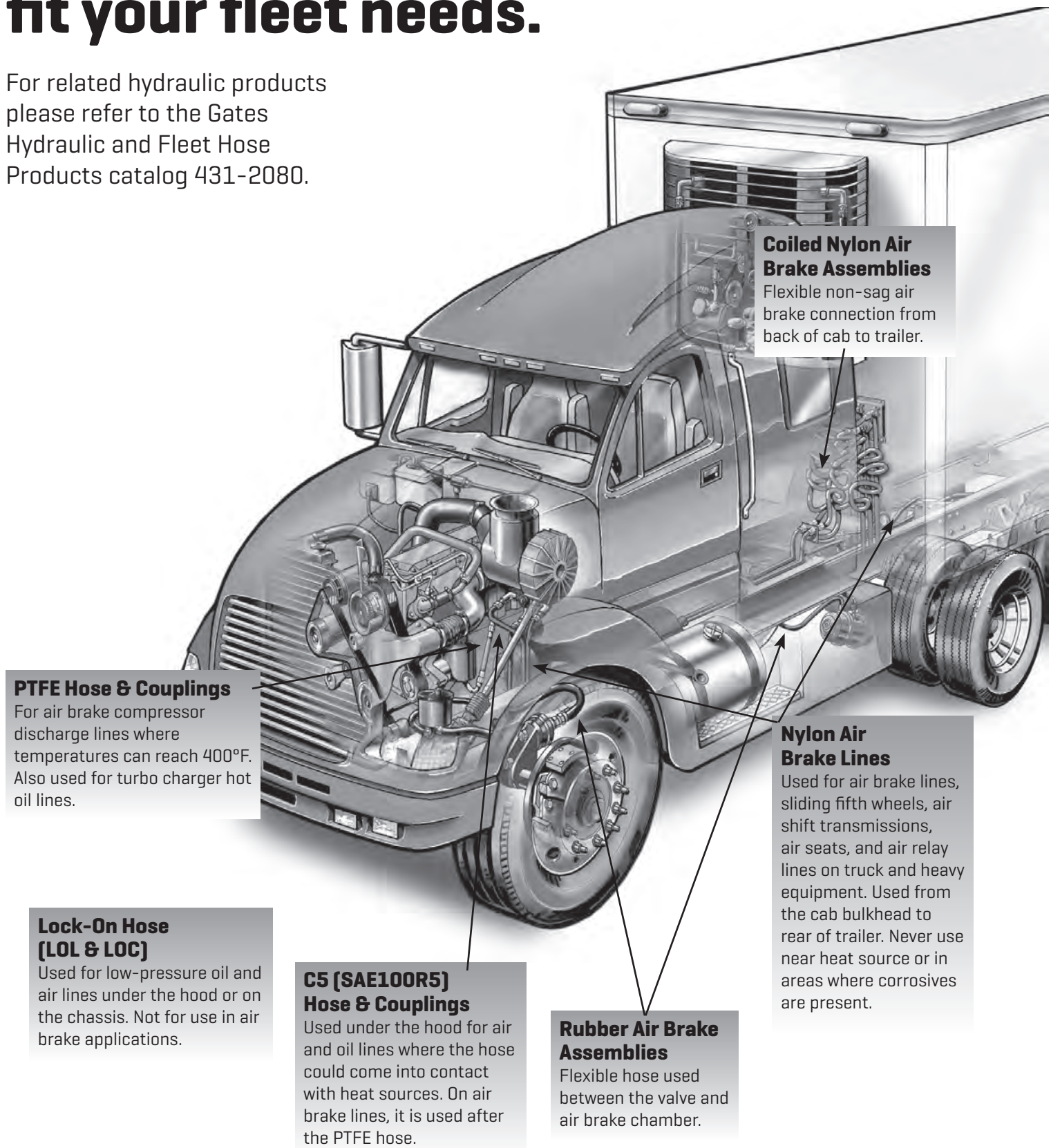


BRASS PRODUCTS

2017 AUTOMOTIVE CATALOG

Gates has the products to fit your fleet needs.

For related hydraulic products please refer to the Gates Hydraulic and Fleet Hose Products catalog 431-2080.



PTFE Hose & Couplings

For air brake compressor discharge lines where temperatures can reach 400°F. Also used for turbo charger hot oil lines.

Lock-On Hose (LOL & LOC)

Used for low-pressure oil and air lines under the hood or on the chassis. Not for use in air brake applications.

C5 (SAE100R5) Hose & Couplings

Used under the hood for air and oil lines where the hose could come into contact with heat sources. On air brake lines, it is used after the PTFE hose.

Rubber Air Brake Assemblies

Flexible hose used between the valve and air brake chamber.

Coiled Nylon Air Brake Assemblies

Flexible non-sag air brake connection from back of cab to trailer.

Nylon Air Brake Lines

Used for air brake lines, sliding fifth wheels, air shift transmissions, air seats, and air relay lines on truck and heavy equipment. Used from the cab bulkhead to rear of trailer. Never use near heat source or in areas where corrosives are present.





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LIMITED WARRANTY FOR THE LIFE OF THE MERCHANDISE

Merchandise is warranted to be free from defects in material or workmanship for the life of the merchandise. Damages from misuse, abuse or gradual wear from normal use are excluded from this warranty. Gates Corporation will, at its option, replace or repair any merchandise proved defective in material or workmanship, or both, during the warranty period. This is the exclusive remedy. For warranty service please contact the Automotive Labor Claims Department, Gates Corporation, 1551 Wewatta Street, Denver, CO 80202. ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, HEREBY IS DISCLAIMED TO THE EXTENT SUCH EXCLUSION IS PERMITTED BY LAW. LIABILITY FOR CONSEQUENTIAL, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGES HEREBY IS DISCLAIMED TO THE EXTENT SUCH EXCLUSION IS PERMITTED BY LAW. Some states do not allow the exclusion or limitation of incidental or consequential damages, and some states do not allow limitations on how long an implied warranty lasts, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. We hereby certify that the goods will be produced in compliance with requirements of Sections 6 and 7 of the Fair Labor Standards Act of 1938, as amended, and of regulations and orders of the U.S. Department of Labor issued under Section 14 thereof.

International Symbols used in this catalog as column headings

| | |
|--|------------------------|
| DESC Description | A Tube Diameter |
|  Tube Inside Diameter (I.D.) | C Cut-Off |
|  Tube Outside Diameter (O.D.) | D Mounting Hole |
|  Thread Size | H1 Stem Hex |
|  Working Pressure (psi) | H2 Nut Hex |
| | L Length |
| | T Drop |



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1551 Wewatta Street
Denver, Colorado 80202-6173

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| |
|---|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Quality Brass Products from Gates

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
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| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Not all brass adapters are alike. Unlike cheap offshore-produced forged, cast or continuous cast fittings, Gates brass products are manufactured only from the highest-quality, domestic-produced bar stock of C36000 copper alloy with just 2.6% lead content. This premium bar stock meets ASTM B16, SAE J461 and J463, and UNS C36000 standards.

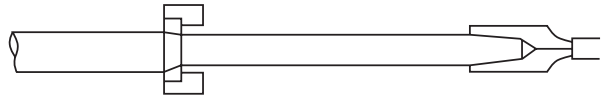
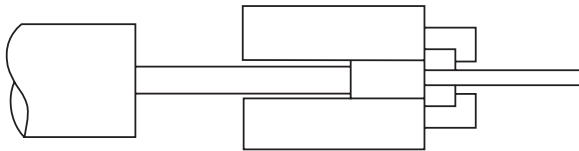
All finished parts are precision-machined to meet or exceed all applicable SAE standards, and come Safe Drinking Water Act (SDWA) compliant thanks to lead-free bodies and nuts. Pipe threads meet all Dryseal American National Standard Taper standards, and all parts are inspected, tested and tracked by manufacturing lot for maximum performance and safety.

Hot Extrusion

A cast billet is heated, and then extruded through a die with the desired shape. This process crystallizes the weaker cast material into the stronger, extruded structure of the shaped die.

Cold Draw

The hot, extruded stock is then pulled through a secondary, smaller die of the same shape. This further recrystallizes and refines the material while increasing elongation and strength.



Die Shapes

Billet dies come in literally hundreds of shapes. Four of the most common are shown below:



Precision Machined

Cold bar stock is cut into individual pieces of varying sizes and lengths, then precision machined into solid, one-piece, high-quality parts offering up to 10-times the strength of competitive cast or forged fittings.



Microstructure

The Gates manufacturing process starts out by transforming the low-strength, low-ductile cast billet into the stronger, crystallized structure of the hot, extruded stock. Next, this extruded material is further refined into the ultra-strong, cold-drawn bar stock which is then cut and precision-machined on state-of-the-art CNC equipment.

Coupling Visual Index

| |
|---|
| Air Brake Copper Tubing Compression - D.O.T. |
| Air Brake SureLok™ - D.O.T. |
| Composite Air Brake SureLok™ - D.O.T. |
| Air Brake Compression Fittings - D.O.T. |
| Air Brake Couplings for Rubber Hose |
| Valves |
| Brass Lock-On Field Attachable Couplings for LOC & LOL Hose |
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| Barb Stem |
| Inverted Flare |
| Automotive Adapters |
| Copper Tubing Industrial Compression |
| Industrial SureLok™ |
| Mini-Barbed Tube |
| Poly Industrial Compression |
| Pipe Adapters |
| Adapters SAE Flare |
| Threaded Sleeve |

| |
|---|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Coupling Visual Index

Air Brake Copper Tubing Compression - D.O.T.

| | | | | | | | |
|------------------------------------|--|----------------------------------|--|--|---|--|---|
| Tube Sleeve G30050 | Tube Sleeve Nut G30060 | Air Brake to Male Pipe G30100 | Air Brake to Male Pipe - 45° G30102 | Air Brake to Male Pipe - 90° G30104 | Air Brake to Male Pipe - 90° - Long G30106 | Air Brake Run Tee to Male Pipe G30130 | Air Brake Branch Tee to Male Pipe G30135 |
| Air Brake to Female Pipe G30150 | Air Brake to Female Pipe - 90° G30154 | Air Brake Union G30400 | Air Brake Union - 90° G30404 | Air Brake Union - Tee G30450 | | | |

Air Brake SureLok™ - D.O.T.

| | | | | | | | |
|---|---|---|---|--|--|---|--|
| Air Brake Plugs G31050 | Air Brake Cartridge G31080 | Air Brake to Male Pipe G31100 | Air Brake to Male Pipe - 45° G31102 | Air Brake to Male Pipe - 90° G31104 | Air Brake to Male Pipe - 90° with Port G31105 | Air Brake to Male Pipe Swivel - 45° G31122 | Air Brake to Male Pipe Swivel - 90° G31124 |
| Air Brake Run Tee to Male Pipe G31130, G31131, G31132 | Air Brake Branch Tee to Male Pipe G31134, G31135, G31136 | Air Brake Branch Y to Male Pipe - 90° G31138 | Air Brake Run Tee to Male Pipe Swivel G31140 | Air Brake Branch Tee to Male Pipe Swivel G31142 | Air Brake to Female Pipe G31150 | Air Brake to Female Pipe - 90° G31154 | Air Brake Branch Tee to Female Pipe with Mounting Hole G31160 |
| Air Brake to Male Pipe to Female Pipe Split Run Tee - Block Style G31167 | Air Brake to Male Pipe to Female Pipe Split Run Tee G31168 | Air Brake Bulkhead Union G31300 | Air Brake to Female Pipe Bulkhead G31360 | Air Brake Union G31400 | Air Brake Union - 90° G31404 | Air Brake Union - Tee G31450, G31451, G31452 | Air Brake Union - Tee with Mounting Hole G31453 |

Composite Air Brake SureLok™ - D.O.T.

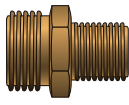
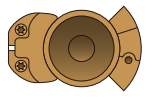

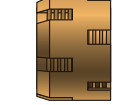
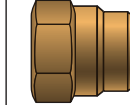
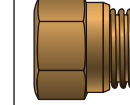
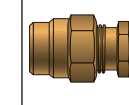
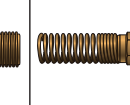
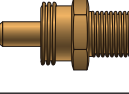
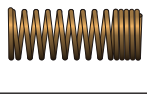
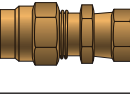

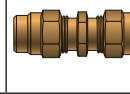
| | | |
|---------------------------|-----------------------------|--|
| 6-Port Manifold G31970 | Air Brake Union Y G56975 | Air Brake Run Y to Male Pipe G56978 |
|---------------------------|-----------------------------|--|

Air Brake Compression Fittings - D.O.T.

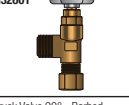

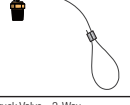
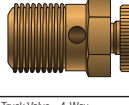
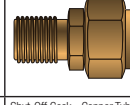

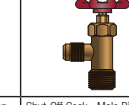
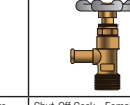






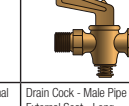
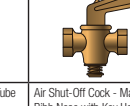
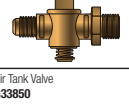
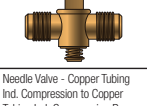
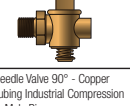
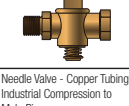
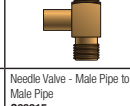
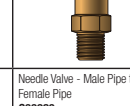
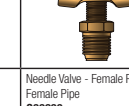
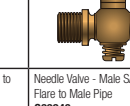
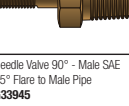
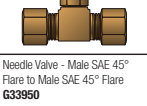









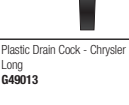






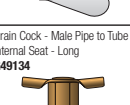


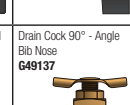
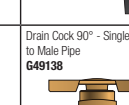
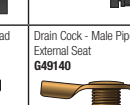






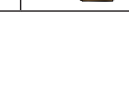


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|---|------------------------------------|--|---|--|--|---|--|
| Tube Support Insert G32040 | Tube Sleeve G32050 | Tube Sleeve Nut G32060 | Air Brake to Male Pipe G32100 | Air Brake to Male Pipe - 45° G32102 | Air Brake to Male Pipe - 90° G32104 | Air Brake to Male Pipe - 90° - Long G32106 | Air Brake Run Tee to Male Pipe G32130, G32131 |
| Air Brake Branch Tee to Male Pipe G32134, G32136 | Air Brake to Female Pipe G32150 | Air Brake to Female Pipe - 90° G32154 | Air Brake Branch Tee to Female Pipe G32160 | Air Brake Bulkhead Union G32300 | Air Brake Union G32400 | Air Brake Union - 90° G32404 | Air Brake Union - Tee G32450, G32452 |

Coupling Visual Index

Air Brake Couplings for Rubber Hose

| | | | | | | | |
|---|--|--|---|---|---|--|--|
| Male Air Brake to Male Pipe Adapter G33030  | Gladhand G33031  | Gladhand Seal G33032  | Sleeve G33050  | Nut G33060  | Spring Guard Nut G33061  | Air Brake to Male Pipe with Nut and Sleeve G33100  | Air Brake to Male Pipe with Spring Guard G33110  |
| Air Brake to Male Pipe without Nut and Sleeve G33111  | Air Brake Spring Guard G33112  | Air Brake to Female Air Brake Swivel G33150  | Air Brake to Female Air Brake Swivel with Adapter G33151  | Air Brake Union G33400  | | | |

Valves

| | | | | | | | |
|---|---|--|--|---|---|---|---|
| Truck Valve 90° - Air Brake Nylon Compression to Male Pipe Branch G32601  | Truck Valve 90° - Air Brake Nylon Compression to Male Pipe Run G32602  | Air Tank Drain Valve G33021  | Air Vent G33022  | One Way Check Valve G33027  | Truck Valve 90° - Male SAE 45° Flare to Male Pipe Run G33610  | Truck Valve 90° - Male SAE 45° to Male Pipe Branch G33612  | Truck Valve 90° - Single Bead to Male Pipe Run G33620  |
| Truck Valve 90° - Barbed to Male Pipe Branch with Pin Handle G33622  | Truck Valve 90° - Male Pipe to Female Pipe Branch G33630  | Truck Valve - 3-Way G33650  | Truck Valve - 4-Way G33655, G33656  | Shut-Off Cock - Copper Tubing Industrial Compression to Copper Tubing Industrial Compression Run G33701  | Shut-Off Cock - Copper Tubing Industrial Compression to Male Pipe Run G33705  | Shut-Off Cock - Male Pipe to Female Pipe Run G33710  | Shut-Off Cock - Female Pipe to Female Pipe Run G33715  |
| Shut-Off Cock - Male SAE 45° Flare to Male Pipe Run G33720  | Shut-Off Cock - Male SAE 45° Flare to Male SAE 45° Flare Run G33730  | Air Shut-Off Cock - Male Pipe to Bibb Nose G33801  | Air Drain Cock - Male Pipe to Female Pipe G33805  | Drain Cock 90° - Single Bead to Male Pipe - Long G33823  | Drain Cock - Male Pipe Internal Seat - Bibb Nose - Long G33830  | Drain Cock - Male Pipe to Tube External Seat - Long G33831  | Air Shut-Off Cock - Male Pipe - Bibb Nose with Key Handle G33832  |
| Air Tank Valve G33850  | Needle Valve - Copper Tubing Ind. Compression to Copper Tubing Ind. Compression Run G33901  | Needle Valve 90° - Copper Tubing Industrial Compression to Male Pipe G33905  | Needle Valve - Copper Tubing Industrial Compression to Male Pipe G33910  | Needle Valve - Male Pipe to Male Pipe G33915  | Needle Valve - Male Pipe to Female Pipe G33920  | Needle Valve - Female Pipe to Female Pipe G33930  | Needle Valve - Male SAE 45° Flare to Male Pipe G33940  |
| Needle Valve 90° - Male SAE 45° Flare to Male Pipe G33945  | Needle Valve - Male SAE 45° Flare to Male SAE 45° Flare G33950  | Plastic Drain Cock - Chrysler Black Key Style G49001  | Plastic Drain Cock - General Motors G49002  | Plastic Drain Cock - Ford (Short) 3 G49003  | Plastic Drain Cock - Ford (Long) 4 G49004  | Plastic Drain Cock - Metric Long Stem G49005, G49006, G49007  | Plastic Drain Cock - Metric Short Stem G49008  |
| Plastic Drain Cock - Metric G49009  | Plastic Drain Cock - Metric G49010  | Plastic Drain Cock - Metric Ford and Mazda G49011, G49012  | Plastic Drain Cock - Chrysler Long G49013  | Plastic Drain Cock - Metric Ford G49014  | Plastic Drain Cock - Chrysler Short G49015  | Plastic Drain Cock - Chrysler Wide Opening G49016  | Plastic Drain Cock - GM Black Key Style G49017  |
| Plastic Drain Cock - GM G49018  | Drain Cock - Male Pipe Internal Seat G49129, G49130  | Drain Cock - Male Pipe to Tube Internal Seat - Long G49134  | Drain Cock - Male Pipe to Tube Internal Seat - Long Tube G49135  | Drain Cock - Male Pipe Internal Seat - Bibb Nose G49136  | Drain Cock 90° - Angle Bib Nose G49137  | Drain Cock 90° - Single Bead to Male Pipe G49138  | Drain Cock - Male Pipe External Seat G49140  |
| Gasoline Shut-Off with Screen Filter G49255  | | | | | | | |

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE FLARE

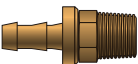
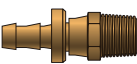
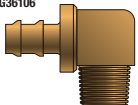
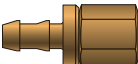
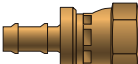
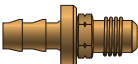

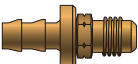
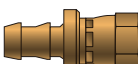
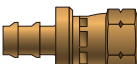


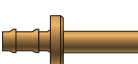
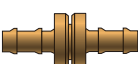

THREADED SLEEVE

KITS & ASSORTMENTS

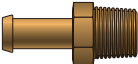
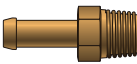
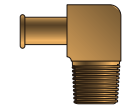
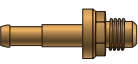
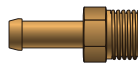
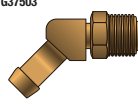
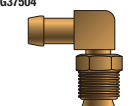

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| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
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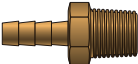
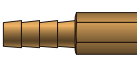
Brass Lock-On Field Attachable Couplings for LOC & LOL Hose

| | | | | | | | |
|---|---|--|---|---|--|--|--|
| Male Pipe with Cone Seat G36100  | Male Pipe Swivel without Cone Seat G36105  | Male Pipe 90° Block with Cone Seat G36106  | Female Pipe without Cone Seat G36110  | Female Pipe Swivel with Cone Seat G36111  | Male JIC 37° Flare G36165  | Female JIC 37° Flare Swivel G36170  | Male SAE 45° Flare G36195  |
| Female SAE 45° Flare Swivel G36200  | Dual Seat Female JIC 37°/SAE 45° Flare Swivel G36210  | Male SAE Inverted Flare Swivel G36500  | Female SAE Inverted Flare G36508  | North American Stand Pipe G36520  | Hose Length Extenders G36535  | Male British Standard Pipe Tapered G36795  | |

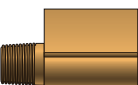
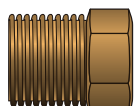
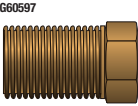
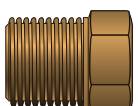
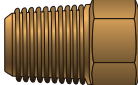
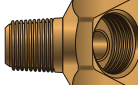
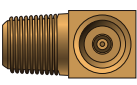

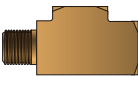

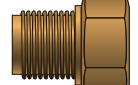
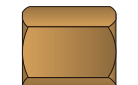



Single Bead

| | | | | | | | |
|--|--|--|--|---|---|--|---|
| Male Pipe with Cone Seat G37100  | Male Straight Thread Connector G37103  | Male Pipe 90° Block Cone Seat 37106  | Male SAE 45° Flare Connector G37195  | Male SAE Inverted Flare G37500  | Male SAE Inverted Flare Swivel - 45° G37503  | Male SAE Inverted Flare Swivel - 90° G37504  | Female SAE Inverted Flare G37508  |
|--|--|--|--|---|---|--|---|

Barb Stem

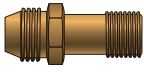
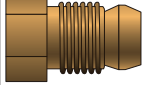
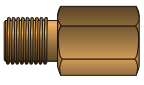
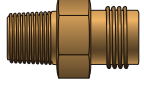
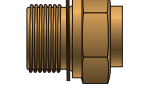
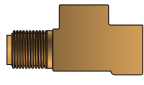
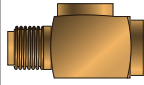



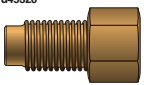
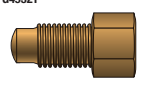
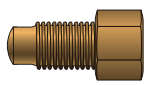
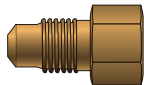
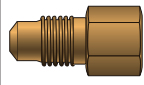
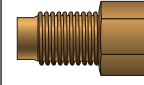

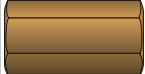
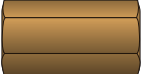

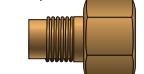
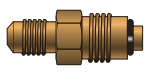
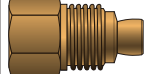
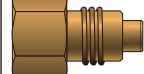

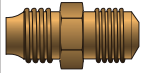
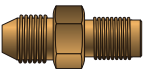
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|---|--|
| Male Pipe NPTF with Cone Seat G38100  | Female Pipe NPTF G38110  |
|---|--|

Inverted Flare

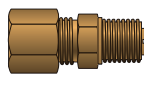
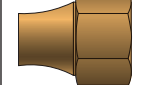



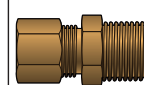
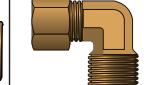
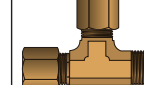
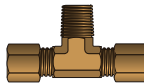
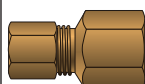
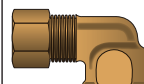

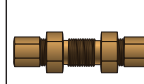
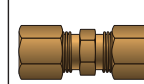
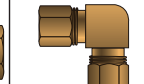
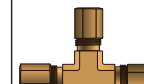
| | | | | | | | |
|---|--|---|--|--|---|---|---|
| Male Pipe to Female Pipe to Female Inverted Split Run Tee G49375  | Male Inverted Tube Nut - Steel G60596  | Male Inverted Tube Nut - Steel - Long G60597  | Male Inverted Tube Nut - Brass G60599  | Female Inverted Flare to Male Pipe G60625  | Female Inverted Flare to Male Pipe - 45° G60626  | Female Inverted Flare to Male Pipe - 90° G60627  | Female Inverted Branch Tee to Male Pipe G60628  |
| Female Inverted Run Tee to Male Pipe G60629  | Female Inverted to Female Pipe G60630  | Male Inverted Flare Plug G60691  | Female Inverted to Female Inverted Union G60693  | Female Inverted to Female Inverted Union - 90° G60694  | Female Inverted Union - Tee G60695  | Female Inverted Branch Tee to Female Pipe G60696  | |

Coupling Visual Index


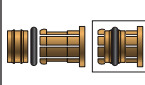
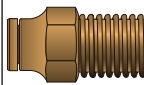
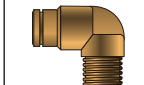

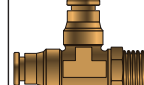
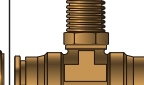
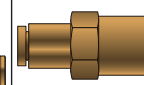
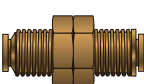
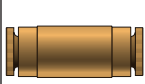
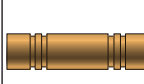
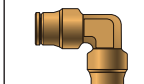
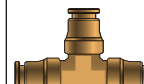
Automotive Adapters

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Turbo Charger Connector G49200  | Ford Nut G49230  | Carburetor to Fuel Line Adapter (Ford) G49240  | Fuel Line Adapter (Plymouth) G49250  | Carburetor Inlet - Steel G49251  | Towed Trailer Brake - Tee G49300, G49301, G49302, G49303  | Metric Towed Trailer Brake - Tee G49304, G49305  | Hydraulic Brake Strap Assembly - Tee G49310, G49312  |
| Hydraulic Brake - Block G49313  | Hydraulic Brake with Bolt Hole - Tee G49314  | Metric Hydraulic Brake Adapter - Male Inverted to Tube O.D. Female G49320  | Metric Hydraulic Brake Adapter - Male Bubble to Tube O.D. Female G49321  | Metric Hydraulic Brake Adapter - Bubble G49323  | Metric Hydraulic Brake Adapter - British Bubble G49324  | Standard to Metric G49325  | Adapter Standard to Metric Bubble G49326  |
| Hydraulic Brake Metric Union G49400  | Hydraulic Brake Union - British G49401  | Hydraulic Brake Union - European G49402  | Hydraulic Brake Union - Japanese G49403  | Dual Master Cylinder Adapter G49500, G49501, G49502, G49503, G49504, G49505, G49506, G49507  | JIC 37° Flare Power Steering Adapter G49700  | Ford Power Steering Adapter G49701  | Metric Power Steering Adapter G49702  |
| Transmission Oil Cooler Line Adapter G49800  | Air Conditioning Adapter G49900  | Male SAE 45° - Male Inverted G49901, G60679  | | | | | |

Copper Tubing Industrial Compression

| | | | | | | | |
|---|---|---|--|---|--|---|---|
| Copper Tubing Industrial to Male Pipe - Check Valve G55028  | Nut - Long G55030  | Tube Sleeve Insert G55040  | Tube Sleeve G55050  | Tube Sleeve Nut G55060  | Copper Tubing Industrial to Male Pipe G55100  | Copper Tubing Industrial to Male Pipe - 90° G55104  | Copper Tubing Industrial Run Tee to Male Pipe G55130  |
| Copper Tubing Industrial Branch Tee to Male Pipe G55134  | Copper Tubing Industrial to Female Pipe G55150  | Copper Tubing Industrial to Female Pipe - 90° G55154  | Copper Tubing Industrial to Male Pipe to Female Pipe Run Tee G55161  | Copper Tubing Industrial Bulkhead Union G55300  | Copper Tubing Industrial Union G55400  | Copper Tubing Industrial Union - 90° G55404  | Copper Tubing Industrial Union Tee G55450  |

Industrial SureLok™

| | | | | | | | |
|---|--|---|---|--|---|---|---|
| Industrial SureLok Plug G56050  | Industrial SureLok Cartridge G56099  | Industrial SureLok to Male Pipe G56100  | Industrial SureLok to Male Pipe - 90° G56104  | Industrial SureLok to Male Pipe Swivel - 90° G56124  | Industrial SureLok Run Tee to Male Pipe Swivel G56140  | Industrial SureLok Branch Tee to Male Pipe Swivel G56142  | Industrial SureLok to Female Pipe G56150  |
| Industrial SureLok Bulkhead Union G56300  | Industrial SureLok Union G56400  | Industrial SureLok Double Union G56402  | Industrial SureLok Union - 90° G56404  | Industrial SureLok Union - Tee G56450  | | | |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

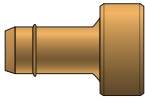
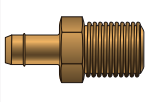
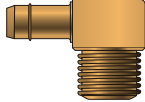
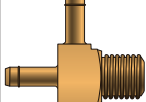
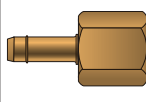
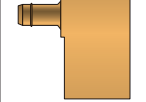
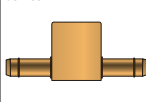
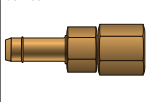



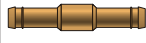


THREADED
SLEEVE

KITS &
ASSORTMENTS


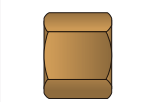
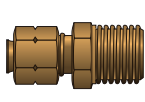
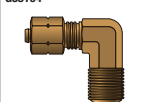
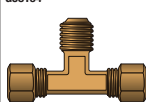
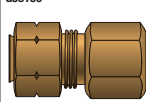
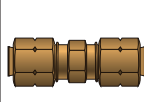
Coupling Visual Index

| |
|--|
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| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
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| COPPER TUBING INDUSTRIAL COMPRESSION |
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| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

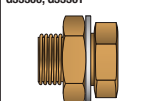
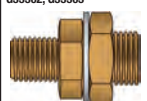
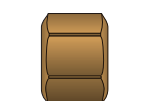
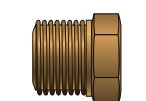
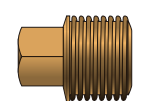
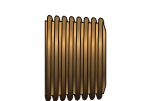
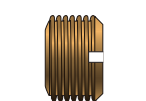
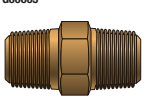
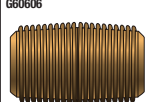
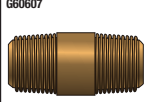
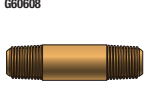
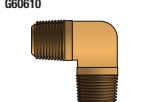
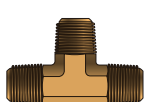
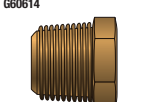
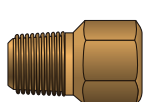
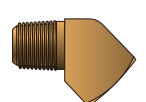
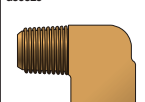

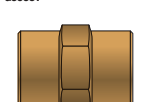
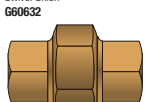
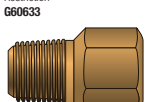
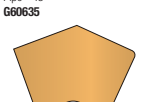
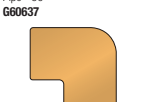

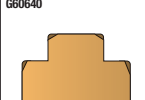
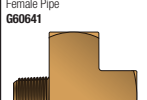
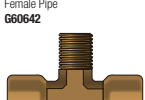
Mini-Barbed Tube

| | | | | | | | |
|---|--|---|---|---|--|--|--|
| Plug G57050  | Mini-Barb to Male Pipe G57100  | Mini-Barb to Male Pipe - 90° G57104  | Mini-Barb Run Tee to Male Pipe G57130  | Mini-Barb to Female Pipe G57150  | Mini-Barb to Female Pipe - 90° G57154  | Mini-Barb Branch Tee to Female Pipe G57160  | Mini-Barb to Industrial Copper Tubing Compression G57190  |
| Mini-Barb Bulkhead Union G57300  | Mini-Barb to Copper Tubing Industrial Compression Assembly Bulkhead G57350  | Mini-Barb Union G57400  | Mini-Barb Union - Long G57401  | Mini-Barb Union - 90° G57404  | Mini-Barb Union - Tee G57452  | | |


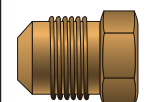
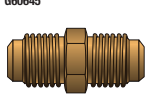
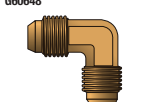
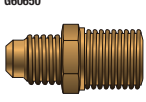
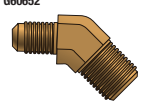
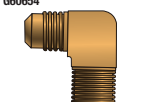
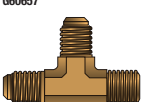
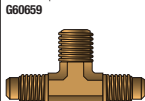
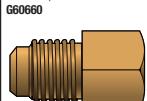
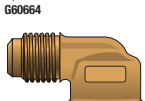
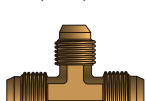
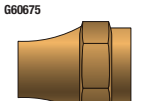
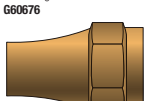

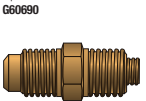
Poly Industrial Compression

| | | | | | | |
|--|--|---|---|--|--|--|
| Tubing Sleeve G58050  | Tubing Sleeve Nut G58060  | Compression PVC to Male Pipe G58100  | Compression PVC to Male Pipe - 90° G58104  | Compression PVC Branch Tee to Male Pipe G58134  | Compression PVC to Female Pipe G58150  | Compression PVC Union G58400  |
|--|--|---|---|--|--|--|

Pipe Adapters

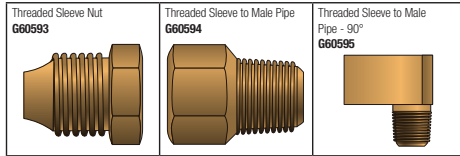
| | | | | | | | |
|---|---|--|--|---|--|---|---|
| Female Pipe to Female Pipe Bulkhead G33300, G33301  | Male Pipe to Female Pipe Bulkhead G33302, G33303  | Female Pipe Cap G60600  | Male Pipe Plug - Hex Head G60601  | Male Pipe Plug - Square Head G60602  | Male Pipe Plug - Hex Key Head G60603  | Male Pipe Plug - Slotted Head G60604  | Male Pipe to Male Pipe Hex Nipple G60605  |
| Male Pipe to Male Pipe Close Nipple G60606  | Male Pipe to Male Pipe Medium Nipple G60607  | Male Pipe to Male Pipe Long Nipple G60608  | Male Pipe NPTF to Male Pipe NPTF - 90° G60610  | Male Pipe NPTF Union - Tee G60612  | Male Pipe to Female Pipe - Reducer G60614  | Male Pipe to Female Pipe - Long G60615  | Male Pipe to Female Pipe - 45° G60618  |
| Male Pipe to Female Pipe - 90° G60620  | Male Pipe to Female Pipe to Male SAE 45° Flare - Split Run Tee G60623  | Female Pipe to Female Pipe G60631  | Female Pipe to Female Pipe Swivel Union G60632  | Male Pipe to Female Pipe - Restriction G60633  | Female Pipe to Female Pipe - 45° G60635  | Female Pipe to Female Pipe - 90° G60637  | Female Pipe - Cross G60639  |
| Female Pipe - Union Tee G60640  | Male Pipe Run Tee to Female Pipe G60641  | Male Pipe Branch Tee to Female Pipe G60642  | | | | | |

Adapters SAE Flare

| | | | | | | | |
|---|--|---|---|---|---|--|--|
| Female SAE 45° Flare Cap G60643  | Male SAE Plug G60644  | Male SAE 45° Flare to Male SAE 45° Flare G60645  | Male SAE 45° Flare to Male SAE 45° Flare - 90° G60648  | Male SAE 45° Flare to Male Pipe G60650  | Male SAE 45° Flare to Male Pipe - 45° G60652  | Male SAE 45° Flare to Male Pipe - 90° G60654  | Male SAE 45° Flare Run Tee to Male Pipe G60657  |
| Male SAE 45° Flare Branch Tee to Male Pipe G60659  | Male SAE 45° Flare to Female Pipe G60660  | Male SAE 45° Flare to Female Pipe - 90° G60664  | SAE 45° Flare Union Tee Brass G60669, G60670, G60671  | Female SAE 45° Flare Nut - Short G60675  | Female SAE 45° Flare Nut - Long G60676  | Male SAE 45° Flare - Cross G60680  | Male SAE 45° Flare to Male Pipe - Check Valve G60690  |

Coupling Visual Index

Threaded Sleeve



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| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Thread ID Chart

| DASH SIZE | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 16 | 20 | 24 | 32 | 40 | 48 |
|-------------------------------|---------|----------|----------|----------|---------|----------|----------|----------|----------|----------|--------------|--------------|--------------|--------------|----------|--------------|
| | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| NPTF Pipe Thread | 1/8-27 | 1/4-18 | 1/4-18 | 5/16-18 | 3/8-18 | 1/2-14 | 1/2-14 | 5/8-14 | 3/4-14 | 7/8-14 | 1-11 1/2 | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | 2 1/2-8 | 3-8 |
| NPSM Swivel Thread | 1/8-27 | 1/4-18 | 1/4-18 | 5/16-18 | 3/8-18 | 1/2-14 | 1/2-14 | 5/8-14 | 3/4-14 | 7/8-14 | 1-11 1/2 | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | 2 1/2-8 | 3-8 |
| JIC 37° Flare Thread | 9/16-24 | 3/8-24 | 1/2-20 | 1/2-20 | 9/16-18 | 3/4-16 | 7/8-14 | 1 1/8-12 | 1 1/4-12 | 1 1/2-12 | 1 3/4-12 | 1 7/8-12 | 2-12 | 2 1/2-12 | 3-12 | 3 1/2-12 |
| SAE 45° Flare Thread | 9/16-24 | 3/8-24 | 1/2-20 | 1/2-20 | 9/16-18 | 1 1/8-16 | 3/4-16 | 7/8-14 | 1 1/8-14 | 1 1/4-14 | 1 1/2-14 | 1 3/4-14 | 2-14 | 2 1/2-14 | 3-14 | 3 1/2-14 |
| SAE O-Ring Thread | 9/16-24 | 3/8-24 | 1/2-20 | 1/2-20 | 9/16-18 | 1 1/8-16 | 3/4-16 | 7/8-14 | 1 1/8-14 | 1 1/4-12 | 1 1/2-12 | 1 3/4-12 | 2-12 | 2 1/2-12 | 3-12 | 3 1/2-12 |
| Flat-Face Thread | 9/16-24 | 3/8-24 | 1/2-20 | 1/2-20 | 9/16-18 | 1 1/8-16 | 3/4-16 | 7/8-14 | 1 1/8-14 | 1 1/4-12 | 1 1/2-12 | 1 3/4-12 | 2-12 | 2 1/2-12 | 3-12 | 3 1/2-12 |
| Inverted Flare Thread | 9/16-28 | 9/16-20 | 7/16-24 | 1/2-20 | 5/8-18 | 1 1/8-18 | 3/4-18 | 7/8-18 | 1 1/8-16 | 1 1/4-16 | 1 1/2-16 | 1 3/4-16 | 2-16 | 2 1/2-16 | 3-16 | 3 1/2-16 |
| Compression Thread | 9/16-24 | 3/8-24 | 1/2-24 | 1/2-24 | 9/16-24 | 5/8-24 | 3/4-24 | 7/8-24 | 1 1/8-24 | 1 1/4-24 | 1 1/2-24 | 1 3/4-24 | 2-24 | 2 1/2-24 | 3-24 | 3 1/2-24 |
| Code 61 Flange Head O.D. | | | | | | | | | 1.19 | 1.335 | 1.50 | 1.75 | 2.00 | 2.38 | 2.81 | 3.31 |
| Code 62 Flange Head O.D. | | | | | | | | | 1.25 | 1.62 | 1.88 | 2.12 | 2.50 | 3.12 | | |
| BSPF Thread | 1/8-28 | 1/4-19 | 1/4-19 | 5/16-19 | 3/8-19 | 1/2-14 | 5/8-14 | 3/4-14 | 7/8-14 | 1-11 1/2 | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | 2 1/2-11 1/2 | 3-11 1/2 | 3 1/2-11 1/2 |
| BSPF Thread | 1/8-28 | 1/4-19 | 1/4-19 | 5/16-19 | 3/8-19 | 1/2-14 | 5/8-14 | 3/4-14 | 7/8-14 | 1-11 1/2 | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | 2 1/2-11 1/2 | 3-11 1/2 | 3 1/2-11 1/2 |
| Japanese Pipe Tapered Thread | 1/8-28 | 1/4-19 | 1/4-19 | 5/16-19 | 3/8-19 | 1/2-14 | 5/8-14 | 3/4-14 | 7/8-14 | 1-11 1/2 | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | 2 1/2-11 1/2 | 3-11 1/2 | 3 1/2-11 1/2 |
| Japanese Flare Thread | 1/8-28 | 1/4-19 | 1/4-19 | 5/16-19 | 3/8-19 | 1/2-14 | 5/8-14 | 3/4-14 | 7/8-14 | 1-11 1/2 | 1 1/4-11 1/2 | 1 1/2-11 1/2 | 2-11 1/2 | 2 1/2-11 1/2 | 3-11 1/2 | 3 1/2-11 1/2 |
| Copper/Nylon Air Brake Thread | 7/16-24 | 1 1/4-24 | 1 1/2-24 | 1 3/4-24 | 2-24 | 2 1/4-24 | 2 1/2-24 | 2 3/4-24 | 3-24 | 3 1/4-24 | 3 1/2-24 | 3 3/4-24 | 4-24 | 4 1/4-24 | 4 1/2-24 | 4 3/4-24 |

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Getting the Best Service Life

How long will an air brake assembly last? It depends on how it's used. This catalog and other literature show the recommended limits for Gates assemblies (and also the tubing and fittings used to make the assemblies). These limits include installation, maintenance and conditions of use. These limits **MUST** be followed or the assembly may fail prematurely, possibly resulting in injury or damage. If you do not have this important information, you can get it at no cost from your local Gates distributor or Gates field representative. Tubing and assemblies in use should be inspected regularly for leaks, kinks, cover blisters, gouges, abrasion and other damage. Damaged or worn assemblies must be replaced immediately. You can maximize tubing assembly life if you observe the following:

CAUTION!

Minimum Burst Pressure – Burst pressures are intended for destructive testing purposes of samples and for design safety factors only. Burst pressures are for reference only and do not represent performance in use.

Temperature Range – Do not expose tubing to internal or external temperatures exceeding the recommended limits of -40°F to +200°F (-40°C to +93°C). Keep tubing away from external heat sources like exhaust manifolds or other hot under-the-hood locations. Actual service life at temperatures approaching the recommended limit will depend on the particular application and the fluid being conveyed by the hose. Intermittent (up to 10% operating time) refers to momentary temperatures surges. Detrimental effects increase with prolonged exposure to elevated temperatures.

Minimum Bend Radius – Do not bend or flex tubing to a radius smaller than the minimum recommended, and do not subject tubing to tension or torque. This can place excessive stress on the reinforcement and severely reduce the ability of the tubing to withstand pressure.

SAFETY CONCERNS

1. **Receive hands-on training** with Gates recommended hose assembly equipment and procedures.
2. **Follow the vehicle manufacturer's service recommendations.**
3. **Use only new (unused)** Gates recommended tubing and fittings, and follow Gates recommended assembly procedures.
4. **Use only Gates certified tubing and fittings.** Gates nylon air brake tubing conforms to SAE J844 and DOT FMVSS106.
5. **Tubing must not be stretched, kinked, crushed or twisted** during installation and use. Tubing **must not** be bent to less than the rated minimum bend radius. Replace damaged tubing immediately.

Assembly Routing – Restrain, protect or guide tubing with clamps, if necessary, to minimize the risk of damage due to excessive flexing, whipping or contacting other moving parts or surfaces. Determine proper tubing lengths and configurations that protect against abrasion, snagging or kinking, and provide leak-resistant connections.

Assembly Length – Correct tubing length should include considerations for length changes under pressure, machine vibration and motion, and assembly routing.

Tubing Shelf Life – Storage environment and materials can vary the shelf life limit. Shelf life is difficult to quantify as many variables can adversely affect tubing. Proper storage precautions can result in three to five years shelf life. Beyond this time there can be a significant reduction in service life, depending on storage environment variables. Some variables include:

- Storage in a cool, dry area never exceeding +100°F (+38°C). If stored below freezing, pre-warming may be required prior to handling, testing and placing into service.
- Direct sunlight, heaters or being near electrical equipment
- Humidity and ozone
- Oil, solvents, corrosive materials or fumes
- Insects or rodents
- Radioactivity
- Space allowance and bends

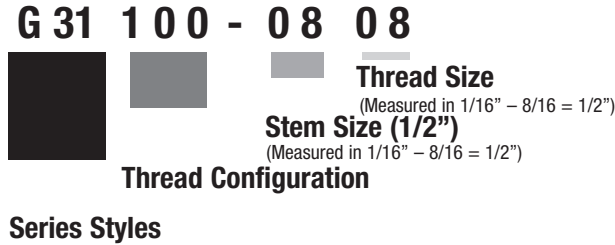
Gates recommends visually inspecting and testing tubing in extended storage prior to use. Tubing judged marginal should be replaced to avoid potential failure, property damage or bodily injury. Always stock tubing on a first-in/first-out basis. Unusually long or poor storage environment can deteriorate tubing, reduce performance and may lead to premature failure.

6. Many factors affect the assembly, installation and service of air brake assemblies. This catalog and Gates Corporation have useful information about making, installing and servicing air brake assemblies. For further assistance, contact your local Gates representative or contact Gates Corporation at 1-303-744-5070.
7. **Gates disclaims** all liability for any air brake assembly made or used in violation of Gates recommendations and procedures. The consumer's exclusive remedy with respect to any claim shall be a refund of the purchase price or replacement of the product at the option of Gates. In no event shall Gates be liable for any incidental or consequential damages whatsoever.
8. These products must not be used in aircraft, for racing or other competitive events.

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Gates Global Part Numbering System

Gates couplings feature a meaningful part number that makes coupling identification fast and easy. In the following example, the global part number G31100-0808 identifies a SureLok™ Male Pipe (MP) coupling with -8 (1/2") tube size and -8 (1/2") thread size.



Series Styles:

Air Brake

G30—Copper Tubing
G31—SureLok™ Fittings
G32—Compression Fittings
G33—Air Brake Fittings for Rubber Hose

G49—Automotive Adapters
G55—Copper Tubing Industrial
G56—SureLok™ Industrial
G57—Mini-Barb
G58—Compression PVC

Adapters

G60—Brass Adapters

Brass Stemed Fittings

G36—Brass Lock-On Field Attachable
G37—Single Bead
G38—Barb Stem

Thread Configurations

These three-digit numbers identify the various coupling thread configurations

Air Brake – G30

| | | | |
|---------------------------|-------------------------------------|-----------------------------|-----------------------------------|
| 050 — TS-ABCT | Tube Sleeve | 135 — ABCT-ABCT-MP | Air Brake Branch Tee to Male Pipe |
| 060 — TSN-ABCT | Tube Sleeve Nut | 150 — ABCT-FP | Air Brake to Female Pipe |
| 100 — ABCT-MP | Air Brake to Male Pipe | 154 — ABCT-FP90 | Air Brake to Female Pipe - 90° |
| 102 — ABCT-MP45 | Air Brake to Male Pipe - 45° | 400 — ABCT-ABCT | Air Brake Union |
| 104 — ABCT-MP90 | Air Brake to Male Pipe - 90° | 404 — ABCT-ABCT90 | Air Brake Union - 90° |
| 106 — ABCT-MP90L | Air Brake to Male Pipe - 90° - Long | 450 — ABCT-ABCT-ABCT | Air Brake Union - Tee |
| 130 — MP-ABCT-ABCT | Air Brake Run Tee to Male Pipe | | |

Air Brake – G31

| | | | |
|---------------------------|--|-------------------------|---|
| 050 — AB-PLUG | Air Brake Plugs | 140 — MPX-AB-AB | Air Brake Run Tee to Male Pipe Swivel |
| 080 — CARTRIDGE-AB | Air Brake Cartridge | 142 — AB-AB-MPX | Air Brake Branch Tee to Male Pipe Swivel |
| 100 — AB-MP | Air Brake to Male Pipe | 150 — AB-FP | Air Brake to Female Pipe |
| 102 — AB-MP45 | Air Brake to Male Pipe - 45° | 154 — AB-FP90 | Air Brake to Female Pipe - 90° |
| 104 — AB-MP90 | Air Brake to Male Pipe - 90° | 160 — AB-AB-FP | Air Brake Branch Tee to Female Pipe with Mounting Hole |
| 105 — AB-MP-PT90 | Air Brake to Male Pipe - 90° with Port | | |
| 122 — AB-MPX45 | Air Brake to Male Pipe Swivel - 45° | 167 — MP-AB-FP | Air Brake to Male Pipe to Female Pipe Split Run Tee - Block Style |
| 124 — AB-MPX90 | Air Brake to Male Pipe Swivel - 90° | 168 — AB-MP-FP | Air Brake to Male Pipe to Female Pipe Split Run Tee |
| 130 — MP-AB-AB | Air Brake Run Tee to Male Pipe | 300 — AB-AB-BKHD | Air Brake Bulkhead Union |
| 131 — MP-AB-AB | Air Brake Run Tee to Male Pipe | 360 — AB-FP-BKHD | Air Brake to Female Pipe Bulkhead |
| 132 — MP-AB-AB | Air Brake Run Tee to Male Pipe | 400 — AB-AB | Air Brake Union |
| 134 — AB-AB-MP | Air Brake Branch Tee to Male Pipe | 404 — AB-AB90 | Air Brake Union - 90° |
| 135 — AB-AB-MP | Air Brake Branch Tee to Male Pipe | 450 — AB-AB-AB | Air Brake Union - Tee |
| 136 — AB-AB-MP | Air Brake Branch Tee to Male Pipe | | |
| 138 — AB-AB-MP90 | Air Brake Branch Y to Male Pipe - 90° | | |

Gates Global Part Numbering System

Thread Configurations — continued

Air Brake – G31 — continued

| | | | |
|----------------|-----------------------|-------------------|--|
| 451 — AB-AB-AB | Air Brake Union - Tee | 453 — AB-AB-AB-MH | Air Brake Union - Tee with Mounting Hole |
| 452 — AB-AB-AB | Air Brake Union - Tee | 970 — AB-MANIFOLD | 6-Port Manifold |

Air Brake – G32

| | | | |
|------------------|-------------------------------------|--------------------|---|
| 040 — TSI-ABC | Tube Support Insert | 150 — ABC-FP | Air Brake to Female Pipe |
| 040 — TSI-ABCB | Tube Support Insert | 154 — ABC-FP90 | Air Brake to Female Pipe - 90° |
| 050 — TS-ABC | Tube Sleeve | 160 — ABC-ABC-FP | Air Brake Branch Tee to Female Pipe |
| 060 — TSN-ABC | Tube Sleeve Nut | 300 — ABC-ABC-BKHD | Air Brake Bulkhead Union |
| 100 — ABC-MP | Air Brake to Male Pipe | 400 — ABC-ABC | Air Brake Union |
| 102 — ABC-MP45 | Air Brake to Male Pipe - 45° | 404 — ABC-ABC90 | Air Brake Union - 90° |
| 104 — ABC-MP90 | Air Brake to Male Pipe - 90° | 450 — ABC-ABC-ABC | Air Brake Union - Tee |
| 106 — ABC-MP90L | Air Brake to Male Pipe - 90° - Long | 452 — ABC-ABC-ABC | Air Brake Union - Tee |
| 130 — MP-ABC-ABC | Air Brake Run Tee to Male Pipe | 601 — ABC-MP90-TV | Truck Valve 90° - Air Brake Nylon Compression to Male Pipe Branch |
| 131 — MP-ABC-ABC | Air Brake Run Tee to Male Pipe | 602 — MP-ABC90-TV | Truck Valve 90° - Air Brake Nylon Compression to Male Pipe Run |
| 134 — ABC-ABC-MP | Air Brake Branch Tee to Male Pipe | | |
| 136 — ABC-ABC-MP | Air Brake Branch Tee to Male Pipe | | |

Air Brake – G33

| | | | |
|---------------------|--|------------------|---|
| 021 — MP-ATDV | Air Tank Drain Valve | 705 — MFA-MPSC | Shut-Off Cock - Copper Tubing Industrial Compression to Male Pipe Run |
| 022 — MP-AV | Air Vent | 710 — MP-FPSC | Shut-Off Cock - Male Pipe to Female Pipe Run |
| 027 — MP-CV | One Way Check Valve | 715 — FP-FPSC | Shut-Off Cock - Female Pipe to Female Pipe Run |
| 030 — MAB-MP | Male Air Brake to Male Pipe Adapter | 720 — MS-MPSC | Shut-Off Cock - Male SAE 45° Flare to Male Pipe Run |
| 031 — GH | Gladhand | 730 — MS-MSSC | Shut-Off Cock - Male SAE 45° Flare to Male SAE 45° Flare Run |
| 032 — GH-SEAL | Gladhand Seal | 801 — MP-ADC | Air Shut-Off Cock - Male Pipe to Bibb Nose |
| 050 — TS-ABR | Sleeve | 805 — FP-MPADC | Air Drain Cock - Male Pipe to Female Pipe |
| 060 — TSN-ABR | Nut | 823 — BN-MPDC90 | Drain Cock 90° - Single Bead to Male Pipe - Long |
| 061 — SGN-ABR | Spring Guard Nut | 830 — MP-ISDC | Drain Cock - Male Pipe Internal Seat - Bibb Nose - Long |
| 100 — ABR-MP | Air Brake to Male Pipe with Nut and Sleeve | 831 — MP-ESDC | Drain Cock - Male Pipe to Tube External Seat - Long |
| 110 — ABRSG-MP | Air Brake to Male Pipe with Spring Guard | 832 — MP-ADCBN | Air Shut-off Cock - Male Pipe - Bibb Nose with Key Handle |
| 111 — ABRI-MP | Air Brake to Male Pipe without Nut and Sleeve | 850 — ATNKV | Air Tank Valve |
| 112 — SGABR | Air Brake Spring Guard | 901 — MFA-MFANV | Needle Valve - Copper Tubing Ind. Compression to Copper Tubing Ind. Compression Run |
| 150 — ABR-FABX | Air Brake to Female Air Brake Swivel | 905 — MFA-MP90NV | Needle Valve 90° - Copper Tubing Industrial Compression to Male Pipe |
| 151 — ABR-FABX-MPA | Air Brake to Female Air Brake Swivel with Adapter | 910 — MFA-MPNV | Needle Valve - Copper Tubing Industrial Compression to Male Pipe |
| 300 — FP-FPBKHD | Female Pipe to Female Pipe Bulkhead | 915 — MP-MPNV | Needle Valve - Male Pipe to Male Pipe |
| 301 — FP-FPBKHDS | Female Pipe to Female Pipe Bulkhead | 920 — MP-FPNV | Needle Valve - Male Pipe to Female Pipe |
| 302 — MP-FPBKHDL | Male Pipe to Female Pipe Bulkhead | 930 — FP-FPNV | Needle Valve - Female Pipe to Female Pipe |
| 303 — MP-FPBKHD | Male Pipe to Female Pipe Bulkhead | 940 — MS-MPNV | Needle Valve - Male SAE 45° Flare to Male Pipe |
| 400 — ABR-ABR | Air Brake Union | 945 — MS-MP90NV | Needle Valve 90° - Male SAE 45° Flare to Male Pipe |
| 610 — MP-MS90-TV | Truck Valve 90° - Male SAE 45° Flare to Male Pipe Run | 950 — MS-MSNV | Needle Valve - Male SAE 45° Flare to Male SAE 45° Flare |
| 612 — MS-MP90-TV | Truck Valve 90° - Male SAE 45° to Male Pipe Branch | | |
| 620 — SB-MP90-TV | Truck Valve 90° - Single Bead to Male Pipe Run | | |
| 622 — SB-MP90-TVP | Truck Valve 90° - Barbed to Male Pipe Branch with Pin Handle | | |
| 630 — FP-MP90-TV | Truck Valve 90° - Male Pipe to Female Pipe Branch | | |
| 650 — FP-FP-FPWTV | Truck Valve - 3-Way | | |
| 655 — FP-FP-FPWTV | Truck Valve - 4-Way | | |
| 656 — FP-FP-FPWTV-L | Truck Valve - 4-Way | | |
| 701 — MFA-MFASC | Shut-Off Cock - Copper Tubing Ind. Compression to Copper Tubing Ind. Compression Run | | |

Air Brake – G49

| | | | |
|-------------------|--|--------------------|--------------------------|
| 240 — MPFLA-MI | Carburetor to Fuel Line Adapter (Ford) | 900 — ACADAPTER-MS | Air Conditioning Adapter |
| 321 — MMHBA-FMHBA | Metric Hydraulic Brake Adapter - Male Bubble to Tube O.D. Female | | |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Gates Global Part Numbering System

Thread Configurations — continued

Air Brake – G55

| | | | |
|-------------------------|---|---------------------------|--|
| 028 — CTI-MP-CV | Copper Tubing Industrial to Male Pipe - Check Valve | 150 — CTI-FP | Copper Tubing Industrial to Female Pipe |
| 030 — TN-CTI-L | Nut - Long | 154 — CTI-FP90 | Copper Tubing Industrial to Female Pipe - 90° |
| 040 — TSI-CTI | Tube Sleeve Insert | 161 — MP-FP-CTI | Copper Tubing Industrial to Male Pipe to Female Pipe Run Tee |
| 050 — TS-CTI | Tube Sleeve | 300 — CTI-CTI-BKHD | Copper Tubing Industrial Bulkhead Union |
| 060 — TSN-CTI | Tube Sleeve Nut | 400 — CTI-CTI | Copper Tubing Industrial Union |
| 100 — CTI-MP | Copper Tubing Industrial to Male Pipe | 404 — CTI-CTI90 | Copper Tubing Industrial Union - 90° |
| 104 — CTI-MP90 | Copper Tubing Industrial to Male Pipe - 90° | 450 — CTI-CTI-CTI | Copper Tubing Industrial Union - Tee |
| 130 — MP-CTI-CTI | Copper Tubing Industrial Run Tee to Male Pipe | | |
| 134 — CTI-CTI-MP | Copper Tubing Industrial Branch Tee to Male Pipe | | |

Air Brake – G56

| | | | |
|----------------------------|---|----------------------------|-----------------------------------|
| 050 — PLUG-SLI | Industrial SureLok Plug | 150 — SLI-FP | Industrial SureLok to Female Pipe |
| 099 — CARTRIDGE-SLI | Industrial SureLok Cartridge | 300 — SLI-SLI-BKHD | Industrial SureLok Bulkhead Union |
| 100 — SLI-MP | Industrial SureLok to Male Pipe | 400 — SLI-SLI | Industrial SureLok Union |
| 104 — SLI-MP90 | Industrial SureLok to Male Pipe - 90° | 402 — SLI-SLI-D | Industrial SureLok Double Union |
| 124 — SLI-MPX90 | Industrial SureLok to Male Pipe Swivel - 90° | 404 — SLI-SLI90 | Industrial SureLok Union - 90° |
| 140 — MPX-SLI-SLI | Industrial SureLok Run Tee to Male Pipe Swivel | 450 — SLI-SLI-SLI | Industrial SureLok Union - Tee |
| 142 — SLI-SLI-MPX | Industrial SureLok Branch Tee to Male Pipe Swivel | 975 — SLI-SLI-SLI-Y | Air Brake Union Y |
| | | 978 — MPX-SLI-SLI-Y | Air Brake Run Y to Male Pipe |

Air Brake – G57

| | | | |
|-------------------------|---|---------------------------|---|
| 050 — PLUG-MBT | Plug | 300 — MBT-MBT-BKHD | Mini-Barb Bulkhead Union |
| 100 — MBT-MP | Mini-Barb to Male Pipe | 350 — MBT-MFA-BKHD | Mini-Barb to Copper Tubing Industrial Compression Assembly Bulkhead |
| 104 — MBT-MP90 | Mini-Barb to Male Pipe - 90° | 400 — MBT-MBT | Mini-Barb Union |
| 130 — MP-MBT-MBT | Mini-Barb Run Tee to Male Pipe | 401 — MBT-MBTL | Mini-Barb Union - Long |
| 150 — MBT-FP | Mini-Barb to Female Pipe | 404 — MBT-MBT90 | Mini-Barb Union - 90° |
| 154 — MBT-FP90 | Mini-Barb to Female Pipe - 90° | 452 — MBT-MBT-MBT | Mini-Barb Union - Tee |
| 160 — MBT-MBT-FP | Mini-Barb Branch Tee to Female Pipe | | |
| 190 — MBT-MFA | Mini-Barb to Industrial Copper Tubing Compression | | |

Air Brake – G58

| | | | |
|-----------------------|------------------------------------|-------------------------|---|
| 050 — TSI-PVC | Tubing Sleeve | 134 — PVC-PVC-MP | Compression PVC Branch Tee to Male Pipe |
| 060 — TSN-PVC | Tubing Sleeve Nut | 150 — PVC-FP | Compression PVC to Female Pipe |
| 100 — PVC-MP | Compression PVC to Male Pipe | 400 — PVC-PVC | Compression PVC Union |
| 104 — PVC-MP90 | Compression PVC to Male Pipe - 90° | | |

Adapters – G60

| | | | |
|-------------------------------|--|---------------------------|--|
| 593 — DCN | Threaded Sleeve Nut | 615 — MP-FPB-L | Male Pipe to Female Pipe - Long |
| 594 — DCN-MP | Threaded Sleeve to Male Pipe | 618 — MP-FP45 | Male Pipe to Female Pipe - 45° |
| 595 — DCN-MP90 | Threaded Sleeve to Male Pipe - 90° | 620 — MP-FPB90 | Male Pipe to Female Pipe - 90° |
| 596 — T-MIXN-S | Male Inverted Tube Nut - Steel | 623 — MP-FP-MS | Male Pipe to Female Pipe to Male SAE 45° Flare - Split Run Tee |
| 597 — T-MIXN-SL | Male Inverted Tube Nut - Steel - Long | 625 — MP-FI | Female Inverted Flare to Male Pipe |
| 599 — T-MIXN-B | Male Inverted Tube Nut - Brass | 626 — MP-FI45 | Female Inverted Flare to Male Pipe - 45° |
| 600 — FPB-CAP | Female Pipe Cap | 627 — MP-FI90 | Female Inverted Flare to Male Pipe - 90° |
| 601 — MPB-PLUG | Male Pipe Plug - Hex Head | 628 — FI-FI-MP | Female Inverted Branch Tee to Male Pipe |
| 602 — MPB-PLUG-SQ HEAD | Male Pipe Plug - Square Head | 629 — MP-FI-FI | Female Inverted Run Tee to Male Pipe |
| 603 — MPB-PLUG-HK HEAD | Male Pipe Plug - Hex Key Head | 630 — FP-FI | Female Inverted to Female Pipe |
| 604 — MPB-PLUG-SL | Male Pipe Plug - Slotted Head | 631 — FP-FPB | Female Pipe to Female Pipe |
| 605 — MP-MP | Male Pipe to Male Pipe Hex Nipple | 632 — FP-FPXB | Female Pipe to Female Pipe Swivel Union |
| 605 — MP-MPB | Male Pipe to Male Pipe Hex Nipple | 633 — MP-FPR | Male Pipe to Female Pipe - Restriction |
| 606 — MP-MPB-CNS | Male Pipe to Male Pipe Close Nipple | 635 — FP-FPB45 | Female Pipe to Female Pipe - 45° |
| 607 — MP-MPB-CNL | Male Pipe to Male Pipe Medium Nipple | 637 — FP-FPB90 | Female Pipe to Female Pipe - 90° |
| 608 — MP-MPB-CNXL | Male Pipe to Male Pipe Long Nipple | 639 — FP-FP-FP-FPB | Female Pipe - Cross |
| 610 — MP-MPB90 | Male Pipe NPTF to Male Pipe NPTF - 90° | 640 — FP-FP-FPB | Female Pipe - Union Tee |
| 612 — MP-MP-MPB | Male Pipe NPTF Union - Tee | 641 — FP-MP-FPB | Male Pipe Run Tee to Female Pipe |
| 614 — MP-FPB | Male Pipe to Female Pipe - Reducer | 642 — FP-FP-MPB | Male Pipe Branch Tee to Female Pipe |
| | | 643 — FSCAP | Female SAE 45° Flare Cap |

Gates Global Part Numbering System

Thread Configurations — continued

Adapters – G60 — continued

| | | | |
|-----------------------|--|-----------------------|--|
| 644 — MS-PLUG | Male SAE Plug | 671 — MS-MS-MS | SAE 45° Flare Union Tee Brass |
| 645 — MS-MS | Male SAE 45° Flare to Male SAE 45° Flare | 675 — FSN-S | Female SAE 45° Flare Nut - Short |
| 648 — MS-MS90 | Male SAE 45° Flare to Male SAE 45° Flare - 90° | 676 — FSN-L | Female SAE 45° Flare Nut - Long |
| 650 — MS-MP | Male SAE 45° Flare to Male Pipe | 679 — MS-MI | Male SAE 45° - Male Inverted |
| 652 — MS-MP45 | Male SAE 45° Flare to Male Pipe - 45° | 680 — MSCROSS | Male SAE 45° Flare - Cross |
| 654 — MS-MP90 | Male SAE 45° Flare to Male Pipe - 90° | 690 — MS-MP-CV | Male SAE 45° Flare to Male Pipe - Check Valve |
| 657 — MS-MS-MP | Male SAE 45° Flare Run Tee to Male Pipe | 691 — MI-PLUG | Male Inverted Flare Plug |
| 659 — MP-MS-MS | Male SAE 45° Flare Branch Tee to Male Pipe | 693 — FI-FI | Female Inverted to Female Inverted Union |
| 660 — MS-FP | Male SAE 45° Flare to Female Pipe | 694 — FI-FI90 | Female Inverted to Female Inverted Union - 90° |
| 664 — MS-FP90 | Male SAE 45° Flare to Female Pipe - 90° | 695 — FI-FI-FI | Female Inverted Union - Tee |
| 669 — MS-MS-MS | SAE 45° Flare Union Tee Brass | 696 — FI-FI-FP | Female Inverted Branch Tee to Female Pipe |
| 670 — MS-MS-MS | SAE 45° Flare Union Tee Brass | | |

Brass Stemed Fittings – G36

| | | | |
|------------------------|------------------------------------|------------------------|---|
| 100 — LOC-RMP | Male Pipe with Cone Seat | 210 — LOC-RFJSX | Dual Seat Female JIC 37°/SAE 45° Flare Swivel |
| 105 — LOC-RMPX | Male Pipe Swivel without Cone Seat | 500 — LOC-RMIX | Male SAE Inverted Flare Swivel |
| 106 — LOC-RMP90 | Male Pipe 90° Block with Cone Seat | 508 — LOC-RFI | Female SAE Inverted Flare |
| 110 — LOC-RFP | Female Pipe without Cone Seat | 520 — LOC-RFT | North American Stand Pipe |
| 111 — LOC-RFPX | Female Pipe Swivel with Cone Seat | 520 — LOC-RSP | North American Stand Pipe |
| 165 — LOC-RMJ | Male JIC 37° Flare | 535 — LOC-RHM | Hose Length Extenders |
| 170 — LOC-RFJX | Female JIC 37° Flare Swivel | 795 — LOC-MBSPT | Male British Standard Pipe Tapered |
| 195 — LOC-RMS | Male SAE 45° Flare | | |
| 200 — LOC-RFSX | Female SAE 45° Flare Swivel | | |

Brass Stemed Fittings – G37

| | | | |
|-----------------------|--------------------------------|------------------------|--------------------------------------|
| 100 — SB-RMP | Male Pipe with Cone Seat | 500 — SB-RMIX | Male SAE Inverted Flare Swivel |
| 103 — SB-MS | Male Straight Thread Connector | 503 — SB-RMIX45 | Male SAE Inverted Flare Swivel - 45° |
| 106 — SB-RMP90 | Male Pipe 90° Block Cone Seat | 504 — SB-RMIX90 | Male SAE Inverted Flare Swivel - 90° |
| 195 — SB-RMS | Male SAE 45° Flare Connector | 508 — SB-RFI | Female SAE Inverted Flare |

Brass Stemed Fittings – G38

| | | | |
|--------------------|-------------------------------|--------------------|------------------|
| 100 — BS-MP | Male Pipe NPTF with Cone Seat | 110 — BS-FP | Female Pipe NPTF |
|--------------------|-------------------------------|--------------------|------------------|

Stem Styles

| | | | |
|-------------------|------------------------------------|--------------------|---|
| 100 — MP | Male Pipe with Cone Seat | 210 — FJSX | Dual Seat Female JIC 37°/SAE 45° Flare Swivel |
| 103 — MSC | Male Straight Thread Connector | 500 — MIX | Male SAE Inverted Flare Swivel |
| 105 — MPX | Male Pipe Swivel without Cone Seat | 503 — MIX45 | Male SAE Inverted Flare Swivel - 45° |
| 106 — MP90 | Male Pipe 90° Block | 504 — MIX90 | Male SAE Inverted Flare Swivel - 90° |
| 110 — FP | Female Pipe without Cone Seat | 508 — FI | Female SAE Inverted Flare |
| 111 — FPX | Female Pipe Swivel with Cone Seat | 520 — SP | North American Stand Pipe |
| 170 — FJX | Female JIC 37° Flare Swivel | 535 — HLE | Hose Length Extenders |
| 195 — MS | Male SAE 45° Flare | | |
| 200 — FSX | Female SAE 45° Flare Swivel | | |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Torque Recommendations for Brass Couplings

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

The art of making leak-proof connections with hydraulic couplings starts with tightening connectors properly at the time of installation. An over-tightened coupling may be just as apt to leak as an under-tightened connector. Over-tightening a coupling may result in nut cracking, seat damage, leaks or premature failure.

The torque values in the following tables give the minimum and maximum torque recommendations. The minimum value will create a leak-proof seal under most conditions. Applying torque values greater than the maximum recommendation will distort and/or crack the fitting. Values listed in SAE J514 are for qualification testing only and should not be used as the basis for setting up torque values for a production environment. These need to be established based on the coupling manufacturer's recommendations.

When tightening couplings, make sure that the hose does not twist on the adapter. Twisting will shorten hose life and scar the sealing surfaces of swivel-type couplings (JIC, 45°, etc.), which can create leaks. For straight couplings, use a torque wrench on the hex swivel nut and a standard box wrench on the stem hex. Bent tube couplings can be restrained by holding onto the ferrule. When a crow's foot wrench is used with a torque wrench, adjustments to the torque readings must be made, otherwise over-tightening will occur. The distance "E" as shown below from the center of the drive socket to the center of the crow's foot must be added to the torque value reading.

The following equation can be used to make these adjustments:

$$\text{Actual Torque} = \frac{(E + L)}{L} \times (\text{Torque Wrench Reading}), \text{ where:}$$

- "L" is in inches
- "E" is in inches
- Torque is in in.-lb., ft.-lb., or Newton-Meters

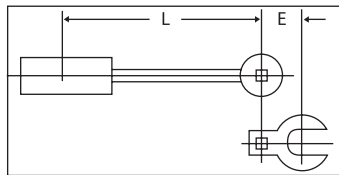
An example of using this equation is shown below:

Torque wrench reading = 45 ft.-lb.

E = 1.5 inches

L = 12 inches

$$\text{Actual Torque} = \frac{(1.5 + 12)}{12} \times 45 = 50.6 \text{ ft.-lb.}$$



This example shows that the actual torque is approximately 10% higher than the reading indicates. All torque recommendations are based on dry threads. If oil or thread sealant is used, the maximum recommended torque values could be decreased by as much as 25%.

For 37° & 45° (Machined, Flared or Inverted Seats)

| Size | | Brass | | | |
|------|------------------|----------|------|---------------|------|
| | | Ft.-Lbs. | | Newton-Meters | |
| Dash | Fractional (In.) | Min. | Max. | Min. | Max. |
| -4 | 1/4 | 5 | 6 | 7 | 9 |
| -5 | 5/16 | 7 | 9 | 10 | 13 |
| -6 | 3/8 | 12 | 15 | 17 | 20 |
| -8 | 1/2 | 20 | 24 | 28 | 33 |
| -10 | 5/8 | 34 | 40 | 46 | 55 |
| -12 | 3/4 | 53 | 60 | 72 | 82 |

Maximum Recommended Torque for Dry NPTF (Tapered) Pipe*

| Size | | Newton-Meters | |
|------|------------------|---------------|---------------|
| Dash | Fractional (In.) | Ft.-Lb. | Newton-Meters |
| -2 | 1/8 | 13 | 16 |
| -4 | 1/4 | 16 | 23 |
| -6 | 3/8 | 23 | 29 |
| -8 | 1/2 | 29 | 39 |
| -12 | 3/4 | 36 | 49 |
| -16 | 1 | 42 | 59 |

***NOTES:**

1. The torque values obtained from tightening pipe threads can vary considerably depending on thread condition. Adequate sealing can occur at values much lower than the maximum values listed above. Only enough torque to achieve adequate sealing should be used.
2. When using a male tapered pipe thread with a female straight or parallel pipe thread, maximum values are 50% of those listed in the table.
3. If thread sealant is used, maximum values shown should be decreased by 25%.

Equipment & Tools

Nylon Tubing Cutter – Part No. 78015

Gives straight, clean, square cuts on J844 tubing from 1/8" to 3/4".

- Lightweight and compact size.
- Designed to ensure user's safety.
- "Blade guard" offers more protection against accidental blade contact.
- Ribbed handle ensures improved grip.

Gates also offers replacement blades in a five-pack bag (Part No. 78016).



SureLok™ Quick-Release Pliers

SureLok™ push-to-connect couplings are the easiest and quickest couplings to install. But disconnecting them can be another matter. Placement near obstructions, as well as age and road debris, can adversely affect your ability to quickly disconnect SureLok couplings. Many times getting hands into an area to remove a coupling is almost impossible.

SureLok pliers allow for the quick removal of SureLok couplings from the tubing with just one hand. To help get into those tight spaces, SureLok pliers offer two different heads: one straight and one at a 90° angle. They also come in two sizes: small for tubing from 1/8" to 3/8"; and large for tubing from 3/8" to 3/4".

SureLok Plier Single Packs:

- Small Angle:** Part No. 91021
- Small Straight:** Part No. 91023
- Large Angle:** Part No. 91020
- Large Straight:** Part No. 91022

SureLok Plier Four-Pack: Part No. 91017



AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
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SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
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COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Air Brake Nylon Tubing

Recommended For: Truck, bus and mobile air brake, and service lines where heat and battery acids are not present. Conforms to SAE J844 specifications. Meets DOT FMVSS 106-74.

Tube: Heat and light stabilized seamless extruded nylon.

Reinforcement: Type A: Non-reinforced in sizes 1/8", 5/32", 3/16" and 1/4". NOTE: 1/8" and 5/32" are NOT recognized by DOT for air brake systems, these are for service lines only.

Type B: Reinforced with one open ply of fibrous nylon in sizes 5/16", 3/8", 1/2", 5/8" and 3/4".



Cover: Nylon. Available in black (NABTA), blue (NABTB), green (NABTG), red (NABTR), yellow (NABTY), orange (NABTO), purple (NABTP), brown (NABTN), silver (NABTS) and white (NABTW) colors. Other colors available upon request.

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



| | Part No. | Desc. | Tube O.D. | Reinforcement Type | | | Minimum Bend Radius |
|---|-----------|-----------------|-----------|--------------------|-----|-----|---------------------|
| | | | " | | | | " |
| AIR BRAKE NYLON TUBING | H30000-02 | 2NABTAXLG REEL | 1/8 | A | 150 | 800 | .37 |
| | H30000-04 | 4NABTAXLG REEL | 1/4 | A | 150 | 800 | 1.0 |
| AIR BRAKE COPPER TUBING | H30000-05 | 5NABTAXREEL | 5/16 | B | 150 | 800 | 1.25 |
| | H30000-06 | 6NABTAXLG REEL | 3/8 | B | 150 | 800 | 1.5 |
| AIR BRAKE SURELOK | H30000-08 | 8NABTAXREEL | 1/2 | B | 150 | 760 | 2.0 |
| | H30000-10 | 10NABTAXREEL | 5/8 | B | 150 | 720 | 2.5 |
| COMPOSITE AIR BRAKE SURELOK | H30000-12 | 12NABTAXREEL | 3/4 | B | 150 | 640 | 3.0 |
| | H30002-02 | 2NABTA X100FT | 1/8 | A | 150 | 800 | .37 |
| AIR BRAKE COMPRESSION FITTINGS | H30002-03 | 3NABTA X100FT | 3/16 | A | 150 | 800 | .75 |
| | H30002-04 | 4NABTA X100FT | 1/4 | A | 150 | 800 | 1.0 |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE | H30002-05 | 5NABTA X100FT | 5/16 | B | 150 | 800 | 1.25 |
| | H30002-06 | 6NABTA X100FT | 3/8 | B | 150 | 800 | 1.5 |
| VALVES | H30002-08 | 8NABTA X100FT | 1/2 | B | 150 | 760 | 2.0 |
| | H30002-25 | 2.5NABTA X100FT | 5/32 | A | 150 | 800 | .5 |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS | H30003-10 | 10NABTA X50FT | 5/8 | B | 150 | 720 | 2.5 |
| | H30003-12 | 12NABTA X50FT | 3/4 | B | 150 | 640 | 3.0 |
| SINGLE BEAD | H30005-06 | 6NABTAXREEL | 3/8 | B | 150 | 800 | 1.5 |
| | H30010-04 | 4NABTNXREEL | 1/4 | A | 150 | 800 | 1.0 |
| BARB STEM | H30010-06 | 6NABTNXREEL | 3/8 | B | 150 | 800 | 1.25 |
| | H30020-06 | 6NABTWXREEL | 3/8 | B | 150 | 800 | 1.25 |
| INVERTED FLARE | H30030-04 | 4NABTPXLG REEL | 1/4 | A | 150 | 800 | 1.0 |
| | H30040-04 | 4NABTGXREEL | 1/4 | A | 150 | 800 | 1.0 |
| AUTOMOTIVE ADAPTERS | H30040-06 | 6NABTGXLG REEL | 3/8 | B | 150 | 800 | 1.25 |
| | H30040-10 | 10NABTGXREEL | 5/8 | B | 150 | 640 | 3.5 |
| COPPER TUBING INDUSTRIAL COMPRESSION | H30042-04 | 4NABTG X100FT | 1/4 | A | 150 | 800 | 1.0 |
| | H30042-06 | 6NABTG X100FT | 3/8 | B | 150 | 800 | 1.25 |
| INDUSTRIAL SURELOK | H30042-08 | 8NABTG X100FT | 1/2 | B | 150 | 760 | 2.0 |
| | H30043-10 | 10NABTG X50FT | 5/8 | B | 150 | 640 | 3.5 |
| MINI-BARBED TUBE | H30043-12 | 12NABTG X50FT | 3/4 | B | 150 | 640 | 3.0 |
| | H30045-06 | 6NABTGXREEL | 3/8 | B | 150 | 760 | 1.25 |
| POLY INDUSTRIAL COMPRESSION | H30045-08 | 8NABTGXREEL | 1/2 | B | 150 | 720 | 2.0 |
| | H30050-04 | 4NABTRXREEL | 1/4 | A | 150 | 800 | 1.0 |
| PIPE ADAPTERS | H30050-06 | 6NABTRXLG REEL | 3/8 | B | 150 | 800 | 1.25 |
| | H30050-10 | 10NABTRXREEL | 5/8 | B | 150 | 720 | 3.5 |
| ADAPTERS SAE FLARE | H30052-04 | 4NABTR X100FT | 1/4 | A | 150 | 800 | 1.0 |
| | H30052-06 | 6NABTR X100FT | 3/8 | B | 150 | 800 | 1.25 |
| THREADED SLEEVE | H30052-08 | 8NABTR X100FT | 1/2 | B | 150 | 760 | 2.0 |
| | H30053-10 | 10NABTR X50FT | 5/8 | B | 150 | 720 | 3.5 |
| KITS & ASSORTMENTS | H30053-12 | 12NABTR X50FT | 3/4 | B | 150 | 640 | 3.0 |
| | H30055-06 | 6NABTRXREEL | 3/8 | B | 150 | 800 | 1.25 |
| | H30055-08 | 8NABTRXREEL | 1/2 | B | 150 | 760 | 2.0 |

Air Brake Nylon Tubing - Continued

| Part No. | Desc. | Tube O.D. | Reinforcement Type |  |  | Minimum Bend Radius |
|-----------|----------------|-----------|--------------------|---|---|---------------------|
| | | " | | | | " |
| H30060-04 | 4NABTBXREEL | 1/4 | A | 150 | 800 | 1.0 |
| H30060-06 | 6NABTBXLG REEL | 3/8 | B | 150 | 800 | 1.25 |
| H30061-04 | 4NABTBXLG REEL | 1/4 | A | 150 | 800 | 1.0 |
| H30062-04 | 4NABTB X100FT | 1/4 | A | 150 | 800 | 1.0 |
| H30062-06 | 6NABTB X100FT | 3/8 | B | 150 | 800 | 1.25 |
| H30062-08 | 8NABTB X100FT | 1/2 | B | 150 | 760 | 2.0 |
| H30063-10 | 10NABTB X50FT | 5/8 | B | 150 | 720 | 2.5 |
| H30063-12 | 12NABTB X50FT | 3/4 | B | 150 | 640 | 3.0 |
| H30065-06 | 6NABTBXREEL | 3/8 | B | 150 | 800 | 1.25 |
| H30065-08 | 8NABTBXREEL | 1/2 | B | 150 | 760 | 2.0 |
| H30070-04 | 4NABTYXREEL | 1/4 | A | 150 | 800 | 1.0 |
| H30070-06 | 6NABTYXREEL | 3/8 | B | 150 | 800 | 1.25 |
| H30072-04 | 4NABTY X100FT | 1/4 | A | 150 | 800 | 1.0 |
| H30072-06 | 6NABTY X100FT | 3/8 | B | 150 | 800 | 1.25 |
| H30072-08 | 8NABTY X100FT | 1/2 | B | 150 | 760 | 2.0 |
| H30073-10 | 10NABTY X50FT | 5/8 | B | 150 | 720 | 2.5 |
| H30073-12 | 12NABTY X50FT | 3/4 | B | 150 | 640 | 3.0 |
| H30080-06 | 6NABTOXREEL | 3/8 | B | 150 | 1120 | 1.25 |
| H30080-10 | 10NABTOXREEL | 5/8 | B | 150 | 720 | 2.5 |
| H30082-04 | 4NABTO X100FT | 1/4 | A | 150 | 960 | 1.0 |
| H30082-06 | 6NABTO X100FT | 3/8 | B | 150 | 1120 | 1.25 |
| H30082-08 | 8NABTO X100FT | 1/2 | B | 150 | 760 | 2.0 |
| H30083-10 | 10NABTO X50FT | 5/8 | B | 150 | 720 | 2.5 |
| H30083-12 | 12NABTO X50FT | 3/4 | B | 150 | 640 | 3.0 |
| H30090-04 | 4NABTSXREEL | 1/4 | A | 150 | 800 | 1.0 |
| H30090-08 | 8NABTSXREEL | 1/2 | B | 150 | 760 | 2.0 |

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

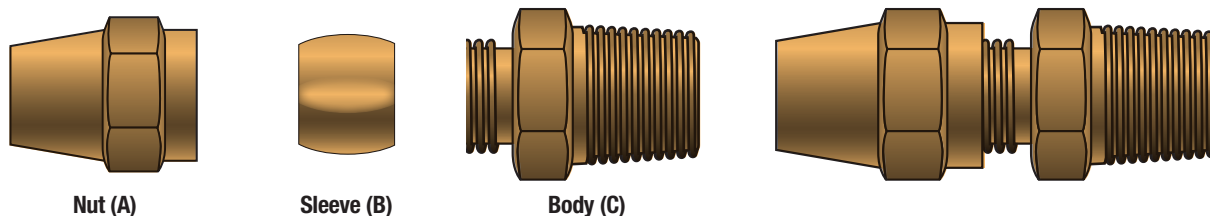
PIPE ADAPTERS

ADAPTERS SAE FLARE

THREADED SLEEVE

KITS & ASSORTMENTS

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
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- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS



| | | | | | | |
|-----------------------|---------|----------|----------|----------|------|----------|
| Tube O.D. (in) | 1/4 | 3/8 | 1/2 | 5/8 | 3/4 | 1 |
| Thread Size | 7/16-24 | 17/32-24 | 11/16-20 | 13/16-18 | 1-18 | 1-1/4-16 |

Recommended For: Air brake systems - compressed air connectors or suspension, steering, engine, transmission or on auxiliary components.

Used With: Copper tubing in air brake systems.

Features and Benefits: Easy to assemble, no flaring tools required. Versatile - can be used with nylon tubing by replacing the long nut and sleeve with an insert, rigid sleeve and nut.

Conformance: Meets DOT FMVSS 571.106, SAE J246 and J1131 requirements.

Working Pressure: 150 psi (10 bar)

Temperature Range: -65°F to +250°F (-53°C to +121°C)

Material: 360 Brass

Assembly Instructions:

1. Measure tubing to required length. Using a cutting tool, cut the tubing as straight as possible making sure to remove any burrs with a wire brush or other de-burring tool.
2. Slide nut "A" and then sleeve "B" onto tubing. Threaded end of nut "A" must face toward the connector body "C".
3. Insert tubing into connector. Be sure tubing is bottomed on fitting shoulder.
4. Thread nut "A" onto connector body "C" until it is hand tight, then using a wrench, tighten the connection by the number of turns indicated in the chart below.

| | | |
|------------------------------|----------|---------------|
| Tube Size O.D. (in) | 1/4, 3/8 | 1/2, 5/8, 3/4 |
| Turns from Hand Tight | 1-3/4 | 3-1/4 |

Coiled Air Brake Tubing

Each Kit contains two color coded hoses; blue for service, red for emergency.

Recommended For: Truck air brake lines from back of cab to trailer. Conforms to SAE J844 specifications. Meets DOT FMVSS 106. 12" Leads.

Tube: Heat and light stabilized seamless extruded Nylon 11.

Reinforcement: One open ply of fibrous nylon.

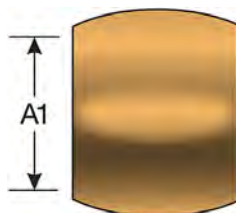
Cover: Heat and light stabilized seamless extruded nylon.

Temperature Range: -40°F to +200°F



| Part No. | Desc. | ⊖ | ⊕ | ⊕ |
|-------------|----------|-----|-----|-----|
| | | " | | |
| G30050-1208 | 8CABHX12 | 1/2 | 150 | 600 |
| G30050-1508 | 8CABHX15 | 1/2 | 150 | 600 |

Tube Sleeve



| Part No. | Desc. | A1 | Standard Pack |
|-------------|-----------|-----|---------------|
| | | " | |
| G30050-0004 | 4TS-ABCT | 1/4 | 10 |
| G30050-0006 | 6TS-ABCT | 3/8 | 5 |
| G30050-0008 | 8TS-ABCT | 1/2 | 5 |
| G30050-0010 | 10TS-ABCT | 5/8 | 5 |
| G30050-0012 | 12TS-ABCT | 3/4 | 5 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

PIPE ADAPTERS


ADAPTERS SAE FLARE

THREADED SLEEVE

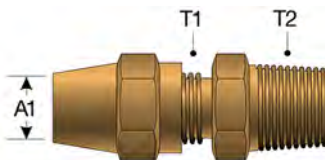
KITS & ASSORTMENTS


Tube Sleeve Nut



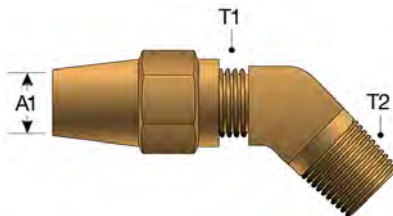
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|-----|---|---------------|
| | | " | T1 (in) | |
| G30060-0004 | 4TSN-ABCT | 1/4 | 7/16-24 | 1 |
| G30060-0006 | 6TSN-ABCT | 3/8 | 17/32-24 | 1 |
| G30060-0008 | 8TSN-ABCT | 1/2 | 11/16-20 | 1 |
| G30060-0010 | 10TSN-ABCT | 5/8 | 13/16-18 | 1 |
| G30060-0012 | 12TSN-ABCT | 3/4 | 1-18 | 1 |


Air Brake to Male Pipe



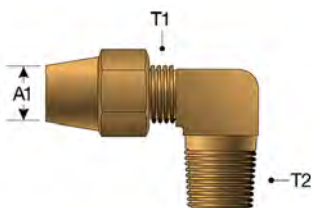
| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G30100-0402 | 4ABCT-2MP | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G30100-0404 | 4ABCT-4MP | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G30100-0406 | 4ABCT-6MP | 1/4 | 7/16-24 | 3/8-18 | 1 |
| G30100-0602 | 6ABCT-2MP | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G30100-0604 | 6ABCT-4MP | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G30100-0606 | 6ABCT-6MP | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G30100-0608 | 6ABCT-8MP | 3/8 | 17/32-24 | 1/2-14 | 1 |
| G30100-0804 | 8ABCT-4MP | 1/2 | 11/16-20 | 1/4-18 | 1 |
| G30100-0806 | 8ABCT-6MP | 1/2 | 11/16-20 | 3/8-18 | 1 |
| G30100-0808 | 8ABCT-8MP | 1/2 | 11/16-20 | 1/2-14 | 1 |
| G30100-1006 | 10ABCT-6MP | 5/8 | 13/16-18 | 3/8-18 | 1 |
| G30100-1008 | 10ABCT-8MP | 5/8 | 13/16-18 | 1/2-14 | 1 |
| G30100-1208 | 12ABCT-8MP | 3/4 | 1-18 | 1/2-14 | 1 |


Air Brake to Male Pipe - 45°



| Part No. | Desc. | A1 |  | | Standard Pack | |
|-------------|--------------|-----|--|----------|---------------|---------|
| | | | " | T1 (in) | | T2 (in) |
| G30102-0604 | 6ABCT-4MP45 | 3/8 | | 17/32-24 | 1/4-18 | 1 |
| G30102-0606 | 6ABCT-6MP45 | 3/8 | | 17/32-24 | 3/8-18 | 1 |
| G30102-0806 | 8ABCT-6MP45 | 1/2 | | 11/16-20 | 3/8-18 | 1 |
| G30102-1008 | 10ABCT-8MP45 | 5/8 | | 13/16-18 | 1/2-14 | 1 |

Air Brake to Male Pipe - 90°



| Part No. | Desc. | A1 |  | | Standard Pack | |
|-------------|--------------|-----|--|----------|---------------|---------|
| | | | " | T1 (in) | | T2 (in) |
| G30104-0402 | 4ABCT-2MP90 | 1/4 | | 7/16-24 | 1/8-27 | 1 |
| G30104-0404 | 4ABCT-4MP90 | 1/4 | | 7/16-24 | 1/4-18 | 1 |
| G30104-0602 | 6ABCT-2MP90 | 3/8 | | 17/32-24 | 1/8-27 | 1 |
| G30104-0604 | 6ABCT-4MP90 | 3/8 | | 17/32-24 | 1/4-18 | 1 |
| G30104-0606 | 6ABCT-6MP90 | 3/8 | | 17/32-24 | 3/8-18 | 1 |
| G30104-0608 | 6ABCT-8MP90 | 3/8 | | 17/32-24 | 1/2-14 | 1 |
| G30104-0804 | 8ABCT-4MP90 | 1/2 | | 11/16-20 | 1/4-18 | 1 |
| G30104-0806 | 8ABCT-6MP90 | 1/2 | | 11/16-20 | 3/8-18 | 1 |
| G30104-0808 | 8ABCT-8MP90 | 1/2 | | 11/16-20 | 1/2-14 | 1 |
| G30104-1006 | 10ABCT-6MP90 | 5/8 | | 13/16-18 | 3/8-18 | 1 |
| G30104-1008 | 10ABCT-8MP90 | 5/8 | | 13/16-18 | 1/2-14 | 1 |
| G30104-1208 | 12ABCT-8MP90 | 3/4 | | 1-18 | 1/2-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

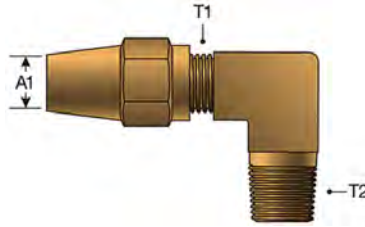
ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

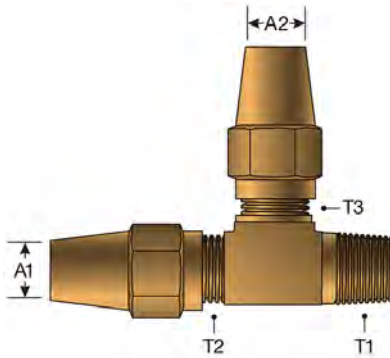
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Air Brake to Male Pipe - 90° - Long



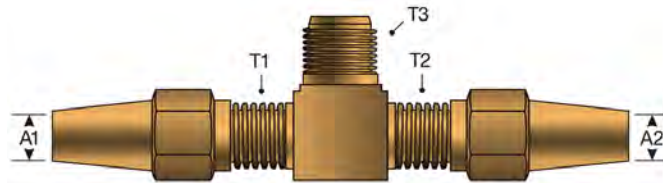
| Part No. | Desc. | A1 | T1 (in) T2 (in) | | Standard Pack |
|-------------|--------------|-----|-----------------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G30106-0602 | 6ABCT-2MP90L | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G30106-0604 | 6ABCT-4MP90L | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G30106-0806 | 8ABCT-6MP90L | 1/2 | 11/16-20 | 3/8-18 | 1 |

Air Brake Run Tee to Male Pipe




| Part No. | Desc. | A1 | A2 | T1 (in) T2 (in) T3 (in) | | | Standard Pack |
|-------------|-----------------|-----|-----|-------------------------|----------|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G30130-0406 | 4MP-6ABCT-6ABCT | 3/8 | 3/8 | 1/4-18 | 17/32-24 | 17/32-24 | 1 |
| G30130-0606 | 6MP-6ABCT-6ABCT | 3/8 | 3/8 | 3/8-18 | 17/32-24 | 17/32-24 | 1 |
| G30130-0608 | 6MP-8ABCT-8ABCT | 1/2 | 1/2 | 3/8-18 | 11/16-20 | 11/16-20 | 1 |

Air Brake Branch Tee to Male Pipe

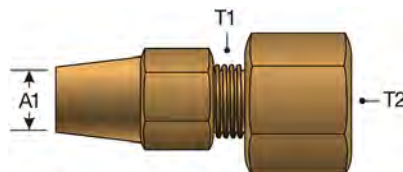



| Part No. | Desc. | A1 | A2 | T1 (in) T2 (in) T3 (in) | | | Standard Pack |
|-------------|-----------------|-----|-----|-------------------------|----------|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G30135-0602 | 6ABCT-6ABCT-2MP | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1/8-27 | 1 |
| G30135-0604 | 6ABCT-4ABCT-4MP | 3/8 | 1/4 | 17/32-24 | 7/16-24 | 1/4-18 | 1 |
| G30135-0606 | 6ABCT-6ABCT-6MP | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 3/8-18 | 1 |

Air Brake Branch Tee to Male Pipe - Continued

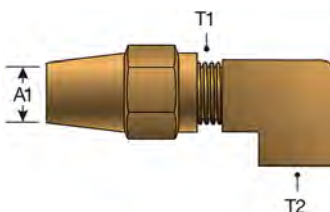
| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|-----------------|-----|-----|---|----------|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G30135-0806 | 8ABCT-6ABCT-8MP | 1/2 | 3/8 | 11/16-20 | 17/32-24 | 1/2-14 | 1 |


Air Brake to Female Pipe



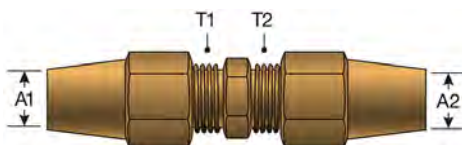
| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-----------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G30150-0602 | 6ABCT-2FP | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G30150-0604 | 6ABCT-4FP | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G30150-0606 | 6ABCT-6FP | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G30150-0806 | 8ABCT-6FP | 1/2 | 11/16-20 | 3/8-18 | 1 |


Air Brake to Female Pipe - 90°



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G30154-0604 | 6ABCT-4FP90 | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G30154-0806 | 8ABCT-6FP90 | 1/2 | 11/16-20 | 3/8-18 | 1 |

Air Brake Union



| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|-------------|-----|-----|---|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G30400-0404 | 4ABCT-4ABCT | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1 |
| G30400-0606 | 6ABCT-6ABCT | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1 |
| G30400-0808 | 8ABCT-8ABCT | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE FLARE

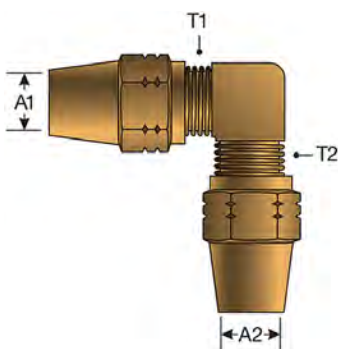
THREADED SLEEVE

KITS & ASSORTMENTS

Air Brake Union - Continued

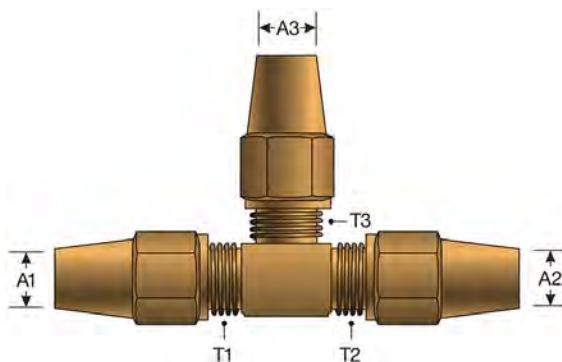
| Part No. | Desc. | A1 | A2 | T1 (in) T2 (in) | | Standard Pack |
|-------------|---------------|-----|-----|-------------------|----------|---------------|
| | | " | " | | | |
| G30400-1010 | 10ABCT-10ABCT | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1 |
| G30400-1212 | 12ABCT-12ABCT | 3/4 | 3/4 | 1-18 | 1-18 | 1 |

Air Brake Union - 90°



| Part No. | Desc. | A1 | A2 | T1 (in) T2 (in) | | Standard Pack |
|-------------|-----------------|-----|-----|-------------------|----------|---------------|
| | | " | " | | | |
| G30404-0606 | 6ABCT-6ABCT90 | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1 |
| G30404-0808 | 8ABCT-8ABCT90 | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1 |
| G30404-1010 | 10ABCT-10ABCT90 | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1 |

Air Brake Union - Tee



| Part No. | Desc. | A1 | A2 | A3 | T1 (in) T2 (in) T3 (in) | | | Standard Pack |
|-------------|-------------------|-----|-----|-----|-----------------------------|----------|----------|---------------|
| | | " | " | " | | | | |
| G30450-0606 | 6ABCT-6ABCT-6ABCT | 3/8 | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 17/32-24 | 1 |
| G30450-0808 | 8ABCT-8ABCT-8ABCT | 1/2 | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 11/16-20 | 1 |

Recommended For: Air brake systems - compressed air connectors or suspension, steering, engine, transmission or other onboard vehicle applications. Not for fuel, oil or water.

Used With: Nylon Tubing (SAE J844 or DIN 74324)

Features and Benefits: Easy to assemble, push to connect, one piece fitting. Reusable and field serviceable. Designed for strength and durability. Provides significant reduction in air system leakage.

Conformance: Fittings meet DOT FMVSS 571.106, SAE J1131, DIN 74324 and German TUV requirements.

Working Pressure: 150 psi (10 bar)

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

Material: 360 Brass

Seal: O-Ring - Ethylene Propylene

Component Functions:

| | |
|----------------------|---|
| Body: | Internal and external machined thread for connection to ports. Machining retains collet, tube support and O-Ring. |
| Tube Support: | Prevents tube collapse during severe loading conditions. |
| Collet: | Collet teeth grip the tube, holding it firmly in the fitting. |
| O-Ring: | Internal O-Ring provides a seal and necessary interference between tube and fitting body. |

Assembly Instructions:

1. Ensure the tubing end is cut straight, and is clean and free of burrs.
2. Push tube through the open collet end and into the fitting.
3. Continue pushing tube through O-Ring until it bottoms out. Now pull back on tube to help set the collet teeth.
4. To disconnect, first ensure there is no residual air in system, then push the tube into fitting until it bottoms out. Hold down and compress the collet using SureLok™ Quick Release Pliers, or other tool, and remove the tube from the fitting.

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

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MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Air Brake Plugs

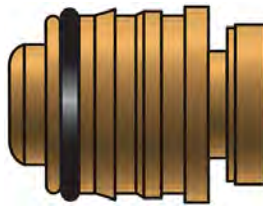
Recommended For: Compressed air as a connector on all air brake systems at locations other than between chassis frame and axle or between towed and towing vehicle. Also as a connector on all air operated systems as applicable to suspension, steering, engine, transmission and auxiliary mechanisms. Fittings and tubing comply to DOT FMVSS 106, mandatory requirements for inch tube fittings is U.S.A., Society for Automotive Engineers (SAE J1131, inch tube and fittings) and meets DIN 74324 and German TUV requirements (metric tube and fittings).

Temperature Range: -40°F to +200°F (-40°C to +100°C).



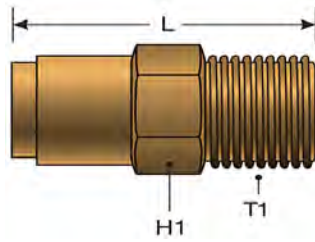
| Part No. | Desc. | ∅ | L | | Standard Pack |
|-------------|------------|------|------|------|---------------|
| | | " | " | mm | |
| G31050-0004 | 4AB-PLUG | 1/4 | 1.12 | 28.5 | 1 |
| G31050-0006 | 6AB-PLUG | 3/8 | 1.34 | 34.0 | 1 |
| G31050-0008 | 8AB-PLUG | 1/2 | 1.48 | 37.6 | 1 |
| G31050-0025 | 2.5AB-PLUG | 5/32 | 1.04 | 26.4 | 1 |

Air Brake Cartridge



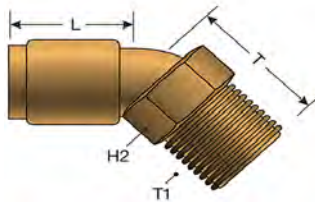
| Part No. | Desc. | ∅ | Standard Pack |
|-------------|----------------|------|---------------|
| | | " | |
| G31080-0003 | 3CARTRIDGE-AB | 3/16 | 1 |
| G31080-0004 | 4CARTRIDGE-AB | 1/4 | 1 |
| G31080-0006 | 6CARTRIDGE-AB | 3/8 | 1 |
| G31080-0008 | 8CARTRIDGE-AB | 1/2 | 1 |
| G31080-0010 | 10CARTRIDGE-AB | 5/8 | 1 |
| G31080-0012 | 12CARTRIDGE-AB | 3/4 | 1 |
| G31080-0025 | 25CARTRIDGE-AB | 5/32 | 1 |

Air Brake to Male Pipe



| Part No. | Desc. | | | H1 | L | | Standard Pack |
|-------------|-----------|------|---------|--------|------|------|---------------|
| | | " | T1 (in) | | " | mm | |
| G31100-0202 | 2AB-2MP | 1/8 | 1/8-27 | 7/16 | .67 | 17.0 | 1 |
| G31100-0302 | 3AB-2MP | 3/16 | 1/8-27 | 1/2 | 1.02 | 25.9 | 1 |
| G31100-0401 | 4AB-1MP | 1/4 | 1/16-32 | 7/16 | .94 | 23.9 | 1 |
| G31100-0402 | 4AB-2MP | 1/4 | 1/8-27 | 1/2 | 1.04 | 26.4 | 1 |
| G31100-0404 | 4AB-4MP | 1/4 | 1/4-18 | 9/16 | 1.17 | 29.7 | 1 |
| G31100-0406 | 4AB-6MP | 1/4 | 3/8-18 | 11/16 | 1.20 | 30.5 | 1 |
| G31100-0602 | 6AB-2MP | 3/8 | 1/8-27 | 11/16 | 1.32 | 33.5 | 1 |
| G31100-0604 | 6AB-4MP | 3/8 | 1/4-18 | 11/16 | 1.48 | 37.6 | 1 |
| G31100-0606 | 6AB-6MP | 3/8 | 3/8-18 | 11/16 | 1.42 | 36.1 | 1 |
| G31100-0608 | 6AB-8MP | 3/8 | 1/2-14 | 7/8 | 1.46 | 37.1 | 1 |
| G31100-0804 | 8AB-4MP | 1/2 | 1/4-18 | 7/8 | 1.68 | 42.7 | 1 |
| G31100-0806 | 8AB-6MP | 1/2 | 3/8-18 | 7/8 | 1.64 | 41.7 | 1 |
| G31100-0808 | 8AB-8MP | 1/2 | 1/2-14 | 7/8 | 1.72 | 43.7 | 1 |
| G31100-1006 | 10AB-6MP | 5/8 | 3/8-18 | 11/16 | 1.87 | 47.5 | 1 |
| G31100-1008 | 10AB-8MP | 5/8 | 1/2-14 | 11/16 | 2.12 | 53.9 | 1 |
| G31100-1208 | 12AB-8MP | 3/4 | 1/2-14 | 13/16 | 2.11 | 53.6 | 1 |
| G31100-1212 | 12AB-12MP | 3/4 | 3/4-14 | 1 1/16 | 2.21 | 56.1 | 1 |
| G31100-2501 | 2.5AB-1MP | 5/32 | 1/16-32 | 11/32 | .43 | 10.9 | 1 |
| G31100-2502 | 2.5AB-2MP | 5/32 | 1/8-27 | 7/16 | .89 | 22.6 | 1 |



Air Brake to Male Pipe - 45°



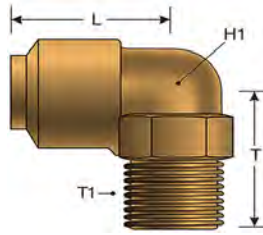
| Part No. | Desc. | | | H2 | T | | L | | Standard Pack |
|-------------|------------|-----|---------|-------|------|------|------|------|---------------|
| | | " | T1 (in) | | " | mm | " | mm | |
| G31102-0402 | 4AB-2MP45 | 1/4 | 1/8-27 | 14.30 | .81 | 20.6 | 1.68 | 42.7 | 1 |
| G31102-0404 | 4AB-4MP45 | 1/4 | 1/4-18 | 14.30 | .98 | 24.9 | 1.87 | 47.5 | 1 |
| G31102-0602 | 6AB-2MP45 | 3/8 | 1/8-27 | 19 | .93 | 23.6 | 1.95 | 49.5 | 1 |
| G31102-0604 | 6AB-4MP45 | 3/8 | 1/4-18 | 19 | 1.10 | 27.9 | 2.16 | 54.9 | 1 |
| G31102-0606 | 6AB-6MP45 | 3/8 | 3/8-18 | 19 | 1.12 | 28.5 | 2.22 | 56.4 | 1 |
| G31102-0608 | 6AB-8MP45 | 3/8 | 1/2-14 | 22 | 1.30 | 33.0 | 2.44 | 62.0 | 1 |
| G31102-0804 | 8AB-4MP45 | 1/2 | 1/4-18 | 22 | 1.10 | 27.9 | 2.32 | 58.9 | 1 |
| G31102-0806 | 8AB-6MP45 | 1/2 | 3/8-18 | 22 | 1.12 | 28.5 | 2.38 | 60.5 | 1 |
| G31102-0808 | 8AB-8MP45 | 1/2 | 1/2-14 | 22 | 1.30 | 33.0 | 2.60 | 66.0 | 1 |
| G31102-1006 | 10AB-6MP45 | 5/8 | 3/8-18 | 27 | 1.02 | 25.9 | 2.48 | 63.0 | 1 |
| G31102-1008 | 10AB-8MP45 | 5/8 | 1/2-14 | 27 | 1.22 | 31.0 | 2.68 | 68.1 | 1 |



- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK**
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Air Brake to Male Pipe - 45° - Continued

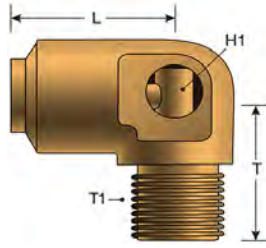
| Part No. | Desc. |  |  | H2 | T | | L | | Standard Pack |
|-------------|-------------|---|---|-------|------|------|------|------|---------------|
| | | " | T1 (in) | | " | mm | " | mm | |
| G31102-1208 | 12AB-8MP45 | 3/4 | 1/2-14 | 25.40 | 1.30 | 33.0 | 2.82 | 71.6 | 1 |
| G31102-1212 | 12AB-12MP45 | 3/4 | 3/4-14 | 27 | 1.91 | 48.5 | 3.92 | 99.6 | 1 |

Air Brake to Male Pipe - 90°



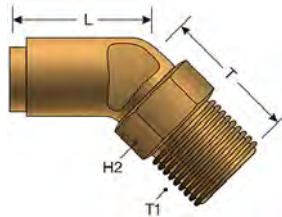
| Part No. | Desc. |  |  | H1 | T | | L | | Standard Pack |
|-------------|-------------|---|---|----|------|------|------|------|---------------|
| | | " | T1 (in) | | mm | " | mm | " | |
| G31104-0202 | 2AB-2MP90 | 1/8 | 1/8-27 | 7 | .66 | 16.8 | .67 | 17.0 | 1 |
| G31104-0302 | 3AB-2MP90 | 3/16 | 1/8-27 | 12 | .75 | 19.1 | .81 | 20.6 | 1 |
| G31104-0402 | 4AB-2MP90 | 1/4 | 1/8-27 | 14 | .79 | 20.1 | .81 | 20.6 | 1 |
| G31104-0404 | 4AB-4MP90 | 1/4 | 1/4-18 | 18 | 1.02 | 25.9 | .87 | 22.1 | 1 |
| G31104-0406 | 4AB-6MP90 | 1/4 | 3/8-18 | 22 | 1.10 | 27.9 | .94 | 23.9 | 1 |
| G31104-0408 | 4AB-8MP90 | 1/4 | 1/2-14 | 24 | 1.38 | 35.1 | .96 | 24.4 | 1 |
| G31104-0602 | 6AB-2MP90 | 3/8 | 1/8-27 | 18 | .87 | 22.1 | 1.08 | 27.4 | 1 |
| G31104-0604 | 6AB-4MP90 | 3/8 | 1/4-18 | 18 | 1.02 | 25.9 | 1.06 | 26.9 | 1 |
| G31104-0606 | 6AB-6MP90 | 3/8 | 3/8-18 | 22 | 1.10 | 27.9 | 1.14 | 29.0 | 1 |
| G31104-0608 | 6AB-8MP90 | 3/8 | 1/2-14 | 24 | 1.38 | 35.1 | 1.14 | 29.0 | 1 |
| G31104-0804 | 8AB-4MP90 | 1/2 | 1/4-18 | 22 | 1.14 | 29.0 | 1.22 | 31.0 | 1 |
| G31104-0806 | 8AB-6MP90 | 1/2 | 3/8-18 | 22 | 1.14 | 29.0 | 1.26 | 32.0 | 1 |
| G31104-0808 | 8AB-8MP90 | 1/2 | 1/2-14 | 24 | 1.38 | 35.1 | 1.28 | 32.5 | 1 |
| G31104-1006 | 10AB-6MP90 | 5/8 | 3/8-18 | 22 | 1.22 | 31.0 | 1.44 | 36.9 | 1 |
| G31104-1008 | 10AB-8MP90 | 5/8 | 1/2-14 | 30 | 1.42 | 36.1 | 1.54 | 39.1 | 1 |
| G31104-1208 | 12AB-8MP90 | 3/4 | 1/2-14 | 24 | 1.48 | 37.6 | 1.52 | 38.6 | 1 |
| G31104-1212 | 12AB-12MP90 | 3/4 | 3/4-14 | 27 | 2.00 | 50.8 | 2.15 | 54.6 | 1 |
| G31104-2501 | 25AB-1MP90 | 5/32 | 1/16-32 | 7 | 1.00 | 25.4 | 1.00 | 25.4 | 1 |
| G31104-2502 | 2.5AB-2MP90 | 5/32 | 1/8-27 | 7 | 1.00 | 25.4 | .87 | 22.1 | 1 |

Air Brake to Male Pipe - 90° with Port



| Part No. | Desc. | | | H1 | T | | L | | Standard Pack |
|--------------|-----------------|-----|---------|-----|------|------|------|------|---------------|
| | | " | T1 (in) | | " | mm | " | mm | |
| G31105-0604P | 6AB-4MP-2PT90 | 3/8 | 1/4-18 | 1/8 | 1.10 | 27.9 | 1.20 | 30.5 | 1 |
| G31105-0606P | 6AB-6MP-2PT90 | 3/8 | 3/8-18 | 1/8 | 1.10 | 27.9 | 1.12 | 28.5 | 1 |
| G31105-0806P | 8AB-6MP-2PT90 | 1/2 | 3/8-18 | 1/8 | 1.14 | 29.0 | 1.26 | 32.0 | 1 |
| G31105-0808P | 8AB-8MP-4PT90 | 1/2 | 1/2-14 | 1/4 | 1.38 | 35.1 | 1.28 | 32.5 | 1 |
| G31105-1212P | 12AB-12MP-4PT90 | 3/4 | 3/4-14 | 1/4 | 1.48 | 37.6 | 1.52 | 38.6 | 1 |

Air Brake to Male Pipe Swivel - 45°



| Part No. | Desc. | | | H2 | T | | L | | Standard Pack |
|-------------|-------------|-----|---------|-------|------|------|------|------|---------------|
| | | " | T1 (in) | | " | mm | " | mm | |
| G31122-0402 | 4AB-2MPX45 | 1/4 | 1/8-27 | 7/16 | 1.06 | 26.9 | .74 | 18.8 | 1 |
| G31122-0404 | 4AB-4MPX45 | 1/4 | 1/4-18 | 9/16 | 1.11 | 28.2 | .77 | 19.6 | 1 |
| G31122-0602 | 6AB-2MPX45 | 3/8 | 1/8-27 | 9/16 | 1.05 | 26.7 | 1.05 | 26.7 | 1 |
| G31122-0604 | 6AB-4MPX45 | 3/8 | 1/4-18 | 11/16 | 1.26 | 32.0 | 1.05 | 26.7 | 1 |
| G31122-0808 | 8AB-8MPX45 | 1/2 | 1/2-14 | 7/8 | 1.62 | 41.2 | 1.25 | 31.8 | 1 |
| G31122-1008 | 10AB-8MPX45 | 5/8 | 1/2-14 | 7/8 | 1.42 | 36.1 | 1.51 | 38.4 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

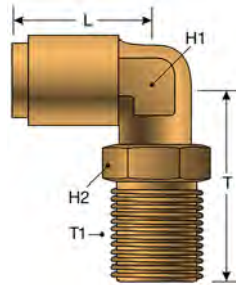
PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

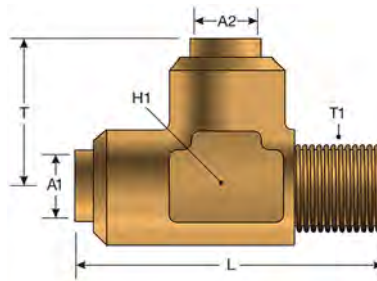
KITS &
ASSORTMENTS

Air Brake to Male Pipe Swivel - 90°




| Part No. | Desc. | | | H1 | H2 | T | | L | | Standard Pack |
|-------------|--------------|------|---------|----|----|------|------|------|------|---------------|
| | | " | T1 (in) | mm | mm | " | mm | " | mm | |
| G31124-0402 | 4AB-2MPX90 | 1/4 | 1/8-27 | 14 | 11 | .91 | 23.1 | .83 | 21.1 | 1 |
| G31124-0404 | 4AB-4MPX90 | 1/4 | 1/4-18 | 18 | 14 | 1.12 | 28.5 | .83 | 21.1 | 1 |
| G31124-0406 | 4AB-6MPX90 | 1/4 | 3/8-18 | 22 | 19 | 1.25 | 31.8 | .85 | 21.6 | 1 |
| G31124-0602 | 6AB-2MPX90 | 3/8 | 1/8-27 | 18 | 14 | 1.05 | 26.7 | 1.07 | 27.2 | 1 |
| G31124-0604 | 6AB-4MPX90 | 3/8 | 1/4-18 | 18 | 19 | 1.29 | 32.8 | 1.07 | 27.2 | 1 |
| G31124-0606 | 6AB-6MPX90 | 3/8 | 3/8-18 | 22 | 19 | 1.24 | 31.5 | 1.07 | 27.2 | 1 |
| G31124-0608 | 6AB-8MPX90 | 3/8 | 1/2-14 | 24 | 22 | 1.44 | 36.6 | 1.07 | 27.2 | 1 |
| G31124-0804 | 8AB-4MPX90 | 1/2 | 1/4-18 | 22 | 22 | 1.27 | 32.3 | 1.27 | 32.3 | 1 |
| G31124-0806 | 8AB-6MPX90 | 1/2 | 3/8-18 | 22 | 22 | 1.42 | 36.1 | 1.27 | 32.3 | 1 |
| G31124-0808 | 8AB-8MPX90 | 1/2 | 1/2-14 | 24 | 22 | 1.62 | 41.2 | 1.27 | 32.3 | 1 |
| G31124-1006 | 10AB-6MPX90 | 5/8 | 3/8-18 | 30 | 22 | 1.48 | 37.6 | 1.54 | 39.1 | 1 |
| G31124-1008 | 10AB-8MPX90 | 5/8 | 1/2-14 | 30 | 22 | 1.48 | 37.6 | 1.54 | 39.1 | 1 |
| G31124-1208 | 12AB-8MPX90 | 3/4 | 1/2-14 | 24 | 22 | 1.53 | 38.9 | 1.55 | 39.4 | 1 |
| G31124-2502 | 2.5AB-2MPX90 | 5/32 | 1/8-27 | 7 | 11 | .91 | 23.1 | .83 | 21.1 | 1 |

Air Brake Run Tee to Male Pipe

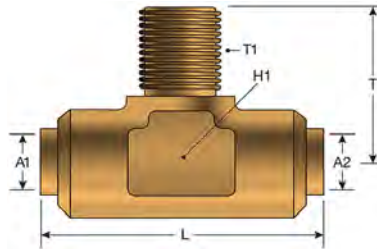



| Part No. | Desc. | A1 | A2 | | H1 | T | | L | | Standard Pack |
|-------------|-------------|-----|-----|---------|----|------|------|------|------|---------------|
| | | " | " | T1 (in) | mm | " | mm | " | mm | |
| G31130-0204 | 2MP-4AB-4AB | 1/4 | 1/4 | 1/8-27 | 14 | .89 | 22.6 | 1.67 | 42.4 | 1 |
| G31130-0404 | 4MP-4AB-4AB | 1/4 | 1/4 | 1/4-18 | 18 | .89 | 22.6 | 1.85 | 47.0 | 1 |
| G31130-0406 | 4MP-6AB-6AB | 3/8 | 3/8 | 1/4-18 | 18 | 1.08 | 27.4 | 2.05 | 52.1 | 1 |
| G31130-0604 | 6MP-4AB-4AB | 1/4 | 1/4 | 3/8-18 | 22 | .93 | 23.6 | 2.03 | 51.6 | 1 |
| G31130-0606 | 6MP-6AB-6AB | 3/8 | 3/8 | 3/8-18 | 22 | 1.14 | 29.0 | 2.24 | 56.9 | 1 |
| G31130-0608 | 6MP-8AB-8AB | 1/2 | 1/2 | 3/8-18 | 22 | 1.30 | 33.0 | 2.44 | 62.0 | 1 |
| G31130-0806 | 8MP-6AB-6AB | 3/8 | 3/8 | 1/2-14 | 24 | 1.22 | 31.0 | 2.64 | 67.1 | 1 |
| G31131-0406 | 4MP-4AB-6AB | 1/4 | 3/8 | 1/4-18 | 18 | 1.08 | 27.4 | 1.85 | 47.0 | 1 |
| G31131-0604 | 6MP-4AB-6AB | 1/4 | 3/8 | 3/8-18 | 22 | 1.14 | 29.0 | 2.03 | 51.6 | 1 |
| G31131-0608 | 6MP-6AB-8AB | 3/8 | 1/2 | 3/8-18 | 22 | 1.30 | 33.0 | 2.36 | 59.9 | 1 |
| G31132-0406 | 4MP-6AB-4AB | 3/8 | 1/4 | 1/4-18 | 18 | .93 | 23.6 | 2.05 | 52.1 | 1 |
| G31132-0604 | 6MP-6AB-4AB | 3/8 | 1/4 | 3/8-18 | 22 | .93 | 23.6 | 2.24 | 56.9 | 1 |

Air Brake Run Tee to Male Pipe - Continued

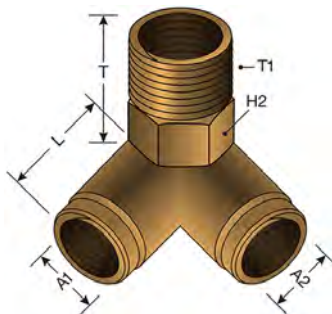
| Part No. | Desc. | A1 | A2 |  | H1 | T | | L | | Standard Pack |
|-------------|-------------|-----|-----|---|----|------|------|------|------|---------------|
| | | " | " | T1 (in) | mm | " | mm | " | mm | |
| G31132-0608 | 6MP-8AB-6AB | 1/2 | 3/8 | 3/8-18 | 22 | 1.22 | 31.0 | 2.44 | 62.0 | 1 |


Air Brake Branch Tee to Male Pipe



| Part No. | Desc. | A1 | A2 |  | H1 | T | | L | | Standard Pack |
|-------------|--------------|------|------|---|----|------|------|------|------|---------------|
| | | " | " | T1 (in) | mm | " | mm | " | mm | |
| G31134-0302 | 3AB-3AB-2MP | 3/16 | 3/16 | 1/8-27 | 14 | .79 | 20.1 | 1.69 | 42.9 | 1 |
| G31134-0402 | 4AB-4AB-2MP | 1/4 | 1/4 | 1/8-27 | 14 | .79 | 20.1 | 1.69 | 42.9 | 1 |
| G31134-0404 | 4AB-4AB-4MP | 1/4 | 1/4 | 1/4-18 | 18 | .96 | 24.4 | 1.77 | 45.0 | 1 |
| G31134-0406 | 4AB-4AB-6MP | 1/4 | 1/4 | 3/8-18 | 22 | 1.10 | 27.9 | 1.93 | 49.0 | 1 |
| G31134-0604 | 6AB-6AB-4MP | 3/8 | 3/8 | 1/4-18 | 18 | .96 | 24.4 | 2.17 | 55.1 | 1 |
| G31134-0606 | 6AB-6AB-6MP | 3/8 | 3/8 | 3/8-18 | 22 | 1.10 | 27.9 | 2.28 | 57.9 | 1 |
| G31134-0804 | 8AB-8AB-4MP | 1/2 | 1/2 | 1/4-18 | 22 | 1.14 | 29.0 | 2.44 | 62.0 | 1 |
| G31134-0806 | 8AB-8AB-6MP | 1/2 | 1/2 | 3/8-18 | 22 | 1.14 | 29.0 | 2.60 | 66.0 | 1 |
| G31134-0808 | 8AB-8AB-8MP | 1/2 | 1/2 | 1/2-14 | 24 | 1.42 | 36.1 | 2.68 | 68.1 | 1 |
| G31135-0604 | 6AB-4AB-4MP | 3/8 | 1/4 | 1/4-18 | 18 | .96 | 24.4 | 1.97 | 50.0 | 1 |
| G31135-0806 | 8AB-6AB-8MP | 1/2 | 3/8 | 1/2-14 | 22 | 1.22 | 31.0 | 2.48 | 63.0 | 1 |
| G31136-1008 | 10AB-8AB-8MP | 5/8 | 1/2 | 1/2-14 | 30 | 1.46 | 37.1 | 2.78 | 70.6 | 1 |

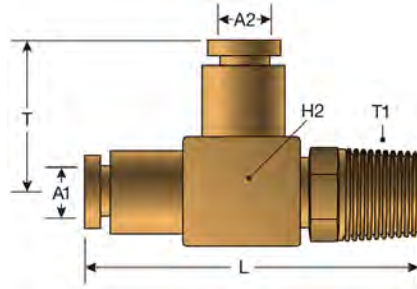
Air Brake Branch Y to Male Pipe - 90°




| Part No. | Desc. | A1 | A2 |  | H2 | T | | L | | Standard Pack |
|-------------|---------------|-----|-----|---|----|------|------|------|------|---------------|
| | | " | " | T1 (in) | mm | " | mm | " | mm | |
| G31138-0606 | 6AB-6AB-6MP90 | 3/8 | 3/8 | 3/8-18 | 22 | 1.34 | 34.0 | 1.18 | 30.0 | 1 |

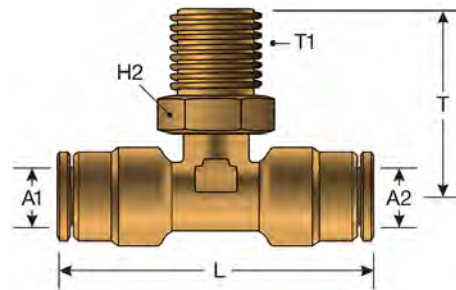
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Air Brake Run Tee to Male Pipe Swivel



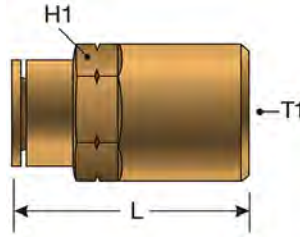
| Part No. | Desc. | A1 | A2 |  | H2 | T | | L | | Standard Pack |
|-------------|--------------|-----|-----|---|----|------|------|------|------|---------------|
| | | " | " | T1 (in) | mm | " | mm | " | mm | |
| G31140-0204 | 2MPX-4AB-4AB | 1/4 | 1/4 | 1/8-27 | 11 | .83 | 21.1 | 1.75 | 44.5 | 1 |
| G31140-0404 | 4MPX-4AB-4AB | 1/4 | 1/4 | 1/4-18 | 14 | .83 | 21.1 | 1.95 | 49.5 | 1 |
| G31140-0406 | 4MPX-6AB-6AB | 3/8 | 3/8 | 1/4-18 | 19 | 1.07 | 27.2 | 2.36 | 59.9 | 1 |
| G31140-0606 | 6MPX-6AB-6AB | 3/8 | 3/8 | 3/8-18 | 19 | 1.07 | 27.2 | 2.32 | 58.9 | 1 |
| G31140-0608 | 6MPX-8AB-8AB | 1/2 | 1/2 | 3/8-18 | 22 | 1.27 | 32.3 | 2.69 | 68.3 | 1 |
| G31140-0808 | 8MPX-8AB-8AB | 1/2 | 1/2 | 1/2-14 | 22 | 1.27 | 32.3 | 2.89 | 73.4 | 1 |

Air Brake Branch Tee to Male Pipe Swivel



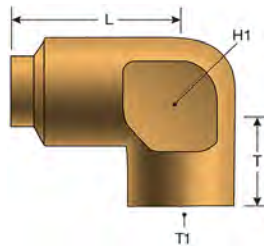
| Part No. | Desc. | A1 | A2 |  | H2 | T | | L | | Standard Pack |
|-------------|--------------|------|------|---|----|------|------|------|------|---------------|
| | | " | " | T1 (in) | mm | " | mm | " | mm | |
| G31142-0302 | 3AB-3AB-2MPX | 3/16 | 3/16 | 1/8-27 | 11 | .89 | 22.6 | 1.57 | 39.9 | 1 |
| G31142-0402 | 4AB-4AB-2MPX | 1/4 | 1/4 | 1/8-27 | 11 | .91 | 23.1 | 1.67 | 42.4 | 1 |
| G31142-0404 | 4AB-4AB-4MPX | 1/4 | 1/4 | 1/4-18 | 14 | 1.12 | 28.5 | 1.67 | 42.4 | 1 |
| G31142-0602 | 6AB-6AB-2MPX | 3/8 | 3/8 | 1/8-27 | 14 | 1.09 | 27.7 | 1.92 | 48.8 | 1 |
| G31142-0604 | 6AB-6AB-4MPX | 3/8 | 3/8 | 1/4-18 | 19 | 1.29 | 32.8 | 2.17 | 55.1 | 1 |
| G31142-0606 | 6AB-6AB-6MPX | 3/8 | 3/8 | 3/8-18 | 19 | 1.24 | 31.5 | 2.17 | 55.1 | 1 |
| G31142-0804 | 8AB-8AB-4MPX | 1/2 | 1/2 | 1/4-18 | 22 | 1.39 | 35.3 | 2.56 | 65.0 | 1 |
| G31142-0806 | 8AB-8AB-6MPX | 1/2 | 1/2 | 3/8-18 | 22 | 1.42 | 36.1 | 2.56 | 65.0 | 1 |
| G31142-0808 | 8AB-8AB-8MPX | 1/2 | 1/2 | 1/2-14 | 22 | 1.62 | 41.2 | 2.56 | 65.0 | 1 |

Air Brake to Female Pipe



| Part No. | Desc. | O | | H1 | L | | Standard Pack |
|-------------|-----------|------------|---------|-------|------|------|---------------|
| | | " | T1 (in) | " | " | mm | |
| G31150-0402 | 4AB-2FP | 1/4 | 1/8-27 | 9/16 | 1.31 | 33.3 | 1 |
| G31150-0404 | 4AB-4FP | 1/4 | 1/4-18 | 11/16 | 1.59 | 40.4 | 1 |
| G31150-0602 | 6AB-2FP | 3/8 | 1/8-27 | 9/16 | 1.74 | 44.2 | 1 |
| G31150-0604 | 6AB-4FP | 3/8 | 1/4-18 | 11/16 | 1.74 | 44.2 | 1 |
| G31150-0606 | 6AB-6FP | 3/8 | 3/8-18 | 7/8 | 1.78 | 45.2 | 1 |
| G31150-0804 | 8AB-4FP | 1/2 | 1/4-18 | 11/16 | 2.00 | 50.8 | 1 |
| G31150-0808 | 8AB-8FP | 1/2 | 1/2-14 | 11/16 | 2.11 | 53.6 | 1 |
| G31150-2502 | 2.5AB-2FP | 5/32 | 1/8-27 | 9/16 | 1.18 | 30.0 | 1 |

Air Brake to Female Pipe - 90°



| Part No. | Desc. | O | | H1 | T | | L | | Standard Pack |
|-------------|-----------|------------|---------|----|-----|------|------|------|---------------|
| | | " | T1 (in) | mm | " | mm | " | mm | |
| G31154-0302 | 3AB-2FP90 | 3/16 | 1/8-27 | 14 | .71 | 18.0 | .87 | 22.1 | 1 |
| G31154-0402 | 4AB-2FP90 | 1/4 | 1/8-27 | 14 | .71 | 18.0 | .94 | 23.9 | 1 |
| G31154-0404 | 4AB-4FP90 | 1/4 | 1/4-18 | 18 | .79 | 20.1 | 1.08 | 27.4 | 1 |
| G31154-0406 | 4AB-6FP90 | 1/4 | 3/8-18 | 18 | .79 | 20.1 | 1.08 | 27.4 | 1 |
| G31154-0602 | 6AB-2FP90 | 3/8 | 1/8-27 | 13 | .79 | 20.1 | 1.31 | 33.3 | 1 |
| G31154-0604 | 6AB-4FP90 | 3/8 | 1/4-18 | 18 | .79 | 20.1 | 1.31 | 33.3 | 1 |
| G31154-0606 | 6AB-6FP90 | 3/8 | 3/8-18 | 22 | .79 | 20.1 | 1.31 | 33.3 | 1 |
| G31154-0804 | 8AB-4FP90 | 1/2 | 1/4-18 | 18 | .94 | 23.9 | 1.16 | 29.5 | 1 |
| G31154-0806 | 8AB-6FP90 | 1/2 | 3/8-18 | 22 | .94 | 23.9 | 1.16 | 29.5 | 1 |
| G31154-0808 | 8AB-8FP90 | 1/2 | 1/2-14 | 16 | .94 | 23.9 | 1.16 | 29.5 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

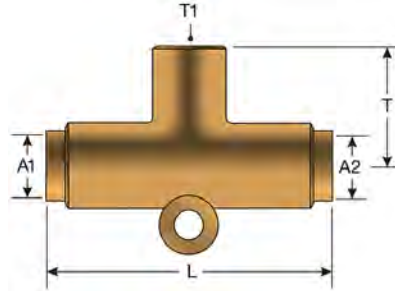
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

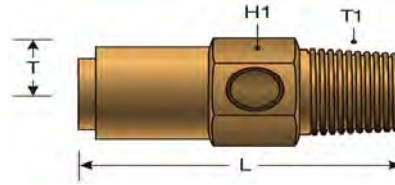
KITS &
ASSORTMENTS



Air Brake Branch Tee to Female Pipe with Mounting Hole



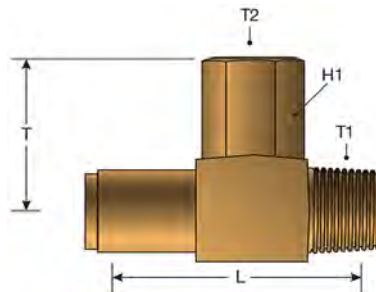
| Part No. | Desc. | A1 | A2 |  | T | | L | | Standard Pack |
|-------------|-------------|-----|-----|---|------|------|------|------|---------------|
| | | " | " | T1 (in) | " | mm | " | mm | |
| G31160-0604 | 6AB-6AB-4FP | 3/8 | 3/8 | 1/4-18 | 1.06 | 26.9 | 2.34 | 59.4 | 1 |




Air Brake to Male Pipe to Female Pipe Split Run Tee - Block Style



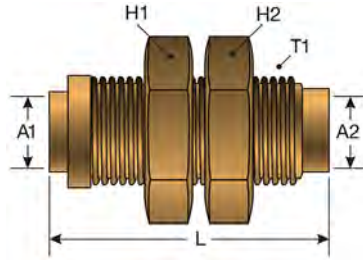
| Part No. | Desc. |  |  | H1 | T | | L | | Standard Pack |
|-------------|-------------|---|---|----|-----|------|------|------|---------------|
| | | " | T1 (in) | " | " | mm | " | mm | |
| G31167-0406 | 4MP-6AB-4FP | 3/8 | 1/4-18 | 18 | .96 | 24.4 | 2.05 | 52.1 | 1 |
| G31167-0808 | 8MP-8AB-2FP | 1/2 | 1/2-14 | 24 | .96 | 24.4 | 2.40 | 61.0 | 1 |


Air Brake to Male Pipe to Female Pipe Split Run Tee



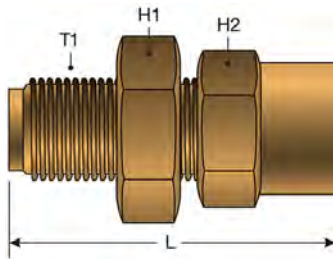
| Part No. | Desc. |  |  |  | H1 | T | | L | | Standard Pack |
|-------------|-------------|---|---|---|----|------|------|------|------|---------------|
| | | " | T1 (in) | T2 (in) | mm | " | mm | " | mm | |
| G31168-0604 | 6AB-6MP-4FP | 3/8 | 3/8-18 | 1/4-18 | 22 | 1.14 | 29.0 | 2.05 | 52.1 | 1 |



Air Brake Bulkhead Union



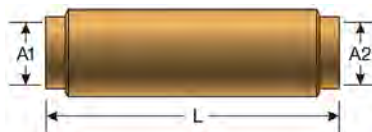
| Part No. | Desc. | A1 | A2 |  | H1 | H2 | L | | Standard Pack |
|-------------|----------------|-----|-----|---|--------|--------|------|------|---------------|
| | | " | " | T1 (in) | " | " | " | mm | |
| G31300-0404 | 4AB-4AB-BKHD | 1/4 | 1/4 | 1/4-18 | 15/16 | 15/16 | 1.41 | 35.8 | 1 |
| G31300-0606 | 6AB-6AB-BKHD | 3/8 | 3/8 | 3/8-18 | 1 1/8 | 1 1/8 | 1.75 | 44.5 | 1 |
| G31300-0806 | 8AB-6AB-BKHD | 1/2 | 3/8 | 3/8-18 | 1 1/8 | 1 1/8 | 1.89 | 48.0 | 1 |
| G31300-0808 | 8AB-8AB-BKHD | 1/2 | 1/2 | 1/2-14 | 1 5/16 | 1 5/16 | 2.02 | 51.3 | 1 |
| G31300-1010 | 10AB-10AB-BKHD | 5/8 | 5/8 | 1/2-14 | 1 1/2 | 1 1/2 | 2.34 | 59.4 | 1 |

Air Brake to Female Pipe Bulkhead



| Part No. | Desc. |  |  | H1 | H2 | L | | Standard Pack |
|-------------|--------------|---|---|----|--------|------|------|---------------|
| | | " | T1 (in) | mm | " | " | mm | |
| G31360-0402 | 4AB-2FP-BKHD | 1/4 | 1/8-27 | 22 | 15/16 | 1.32 | 33.5 | 1 |
| G31360-0404 | 4AB-4FP-BKHD | 1/4 | 1/4-18 | 22 | 15/16 | 1.59 | 40.4 | 1 |
| G31360-0604 | 6AB-4FP-BKHD | 3/8 | 1/4-18 | 24 | 1 1/8 | 2.20 | 55.9 | 1 |
| G31360-0606 | 6AB-6FP-BKHD | 3/8 | 3/8-18 | 27 | 1 1/8 | 2.20 | 55.9 | 1 |
| G31360-0608 | 6AB-8FP-BKHD | 3/8 | 1/2-14 | 27 | 1 1/8 | 2.20 | 55.9 | 1 |
| G31360-0806 | 8AB-6FP-BKHD | 1/2 | 3/8-18 | 27 | 1 5/16 | 1.89 | 48.0 | 1 |
| G31360-0808 | 8AB-8FP-BKHD | 1/2 | 1/2-14 | 27 | 1 5/16 | 2.64 | 67.1 | 1 |

Air Brake Union



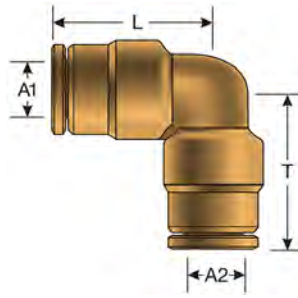
| Part No. | Desc. | A1 | A2 | L | | Standard Pack |
|-------------|---------|------|------|------|------|---------------|
| | | " | " | " | mm | |
| G31400-0202 | 2AB-2AB | 1/8 | 1/8 | 1.15 | 27.2 | 1 |
| G31400-0303 | 3AB-3AB | 3/16 | 3/16 | 1.36 | 24.5 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Air Brake Union - Continued

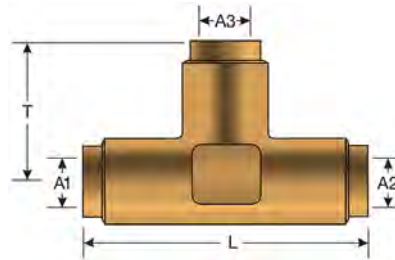
| Part No. | Desc. | A1 | A2 | L | | Standard Pack |
|-------------|-------------|------|------|------|------|---------------|
| | | " | " | " | mm | |
| G31400-0404 | 4AB-4AB | 1/4 | 1/4 | 1.40 | 35.6 | 1 |
| G31400-0604 | 6AB-4AB | 3/8 | 1/4 | 1.71 | 43.4 | 1 |
| G31400-0606 | 6AB-6AB | 3/8 | 3/8 | 1.74 | 44.2 | 1 |
| G31400-0806 | 8AB-6AB | 1/2 | 3/8 | 1.91 | 48.5 | 1 |
| G31400-0808 | 8AB-8AB | 1/2 | 1/2 | 2.01 | 51.1 | 1 |
| G31400-1010 | 10AB-10AB | 5/8 | 5/8 | 2.42 | 61.5 | 1 |
| G31400-1212 | 12AB-12AB | 3/4 | 3/4 | 2.48 | 63.0 | 1 |
| G31400-2525 | 2.5AB-2.5AB | 5/32 | 5/32 | 1.18 | 30.0 | 1 |

Air Brake Union - 90°



| Part No. | Desc. | A1 | A2 | T | | L | | Standard Pack |
|-------------|-------------|-----|-----|------|------|------|------|---------------|
| | | " | " | " | mm | " | mm | |
| G31404-0404 | 4AB-4AB90 | 1/4 | 1/4 | .83 | 21.1 | .83 | 21.1 | 1 |
| G31404-0606 | 6AB-6AB90 | 3/8 | 3/8 | 1.07 | 27.2 | 1.07 | 27.2 | 1 |
| G31404-0808 | 8AB-8AB90 | 1/2 | 1/2 | 1.26 | 32.0 | 1.26 | 32.0 | 1 |
| G31404-1010 | 10AB-10AB90 | 5/8 | 5/8 | 1.48 | 37.6 | 1.61 | 40.9 | 1 |

Air Brake Union - Tee

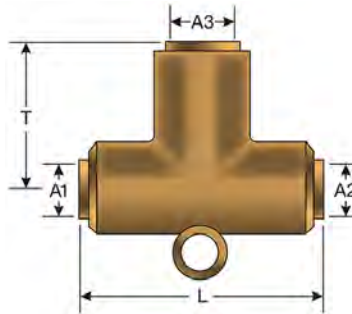


| Part No. | Desc. | A1 | A2 | A3 | T | | L | | Standard Pack |
|-------------|----------------|------|------|------|------|------|------|------|---------------|
| | | " | " | " | " | mm | " | mm | |
| G31450-0202 | 2AB-2AB-2AB | 1/8 | 1/8 | 1/8 | .63 | 16.0 | 1.26 | 32.0 | 1 |
| G31450-0303 | 3AB-3AB-3AB | 3/16 | 3/16 | 3/16 | .72 | 18.3 | 1.44 | 36.9 | 1 |
| G31450-0404 | 4AB-4AB-4AB | 1/4 | 1/4 | 1/4 | .93 | 23.6 | 1.65 | 41.9 | 1 |
| G31450-0606 | 6AB-6AB-6AB | 3/8 | 3/8 | 3/8 | 1.07 | 27.2 | 2.13 | 54.1 | 1 |
| G31450-0808 | 8AB-8AB-8AB | 1/2 | 1/2 | 1/2 | 1.26 | 32.0 | 2.53 | 64.3 | 1 |
| G31450-1010 | 10AB-10AB-10AB | 5/8 | 5/8 | 5/8 | 1.54 | 39.1 | 3.07 | 78.0 | 1 |
| G31450-1212 | 12AB-12AB-12AB | 3/4 | 3/4 | 3/4 | 1.56 | 39.6 | 3.12 | 79.3 | 1 |

Air Brake Union - Tee - Continued

| Part No. | Desc. | A1 | A2 | A3 | T | | L | | Standard Pack |
|-------------|---------------|-----|-----|-----|------|------|------|------|---------------|
| | | " | " | " | " | mm | " | mm | |
| G31451-0604 | 6AB-6AB-4AB | 3/8 | 3/8 | 1/4 | .93 | 23.6 | 2.17 | 55.1 | 1 |
| G31451-0608 | 6AB-6AB-8AB | 3/8 | 3/8 | 1/2 | 1.28 | 32.5 | 2.36 | 59.9 | 1 |
| G31451-0804 | 8AB-8AB-4AB | 1/2 | 1/2 | 1/4 | .98 | 24.9 | 2.52 | 64.0 | 1 |
| G31451-0806 | 8AB-8AB-6AB | 1/2 | 1/2 | 3/8 | 1.22 | 31.0 | 2.44 | 62.0 | 1 |
| G31451-1008 | 10AB-8AB-10AB | 5/8 | 1/2 | 5/8 | 1.56 | 39.6 | 3.01 | 76.5 | 1 |
| G31452-0604 | 6AB-4AB-4AB | 3/8 | 1/4 | 1/4 | .93 | 23.6 | 2.01 | 51.1 | 1 |
| G31452-0806 | 8AB-6AB-6AB | 1/2 | 3/8 | 3/8 | 1.18 | 30.0 | 2.46 | 62.5 | 1 |

Air Brake Union - Tee with Mounting Hole



| Part No. | Desc. | A1 | A2 | A3 | T | | L | | Standard Pack |
|-------------|----------------|-----|-----|-----|------|------|------|------|---------------|
| | | " | " | " | " | mm | " | mm | |
| G31453-0608 | 6AB-6AB-8AB-MH | 3/8 | 3/8 | 1/2 | 1.42 | 36.1 | 2.36 | 59.9 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Recommended For: Air brake systems - compressed air connectors or suspension, steering, engine, transmission or other onboard vehicle applications. Not for fuel, oil or water.

Used With: Nylon Tubing (SAE J844 or DIN 74324)

Features and Benefits: Easy to assemble, push to connect, one piece fitting. Reusable and field serviceable. Designed for strength and durability. Provides significant reduction in air system leakage. Composite fittings are up to 70% lighter than comparable brass fittings providing some weight reduction.

Conformance: Meets DOT FMVSS 571.106, SAE J113 and SAE J2494 impact resistance.

Working Pressure: 150 psi (10 bar)

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

Materials: High Impact Nylon and Brass

Seals: O-Ring - Buna N; Thread Sealant - Precote® 5

Component Functions:

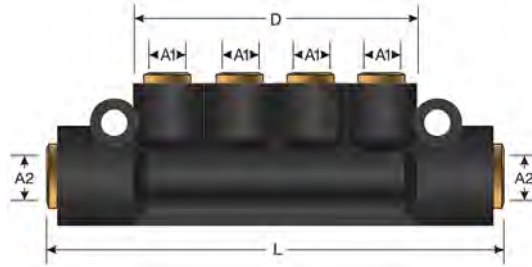
| | |
|----------------------|--|
| Body: | Internal and external machined threads for connection to ports. Machining retains collet, tube support and O-Ring. |
| Tube Support: | Prevents tube collapse during severe loading conditions. |
| Collet: | Collet teeth grip the tube, holding it firmly in the fitting. |
| O-Ring: | Internal O-Ring provides a seal and necessary interference between tube and fitting body. |

Assembly Instructions:

1. Ensure tubing end is cut straight, and free of burrs.
2. Push tube through the open collet end and into the fitting.
3. Continue pushing tube through O-Ring until it bottoms out. Pull back on tube to help set the collet teeth.
4. To disconnect, first ensure there is no residual air in system, then push the tube into fitting until it bottoms out. Next, compress the collet by holding down. Use SureLok™ Quick Release Pliers, or other tool, to remove tube from the fitting.

Precote® 5 is a registered trademark of omniTECHNIK, Mikroverkapselungs GmbH.

6-Port Manifold



| Part No. | Desc. | A1 | A2 | D Mounting Hole Length | | L | |
|-------------|---------------|-----|-----|------------------------|-------|------|-------|
| | | " | " | " | mm | " | mm |
| G31970-0604 | 6AB-4MANIFOLD | 3/8 | 1/4 | 2.76 | 70.10 | 4.10 | 104.1 |


Air Brake Union Y



| Part No. | Desc. | A1 | A2 | A3 | Standard Pack |
|-------------|---------------------|------|------|------|---------------|
| | | " | " | " | |
| G56975-0202 | 2SLI-2SLI-2SLI-Y | 1/8 | 1/8 | 1/8 | 1 |
| G56975-0404 | 4SLI-4SLI-4SLI-Y | 1/4 | 1/4 | 1/4 | 1 |
| G56975-2525 | 25SLI-25SLI-25SLI-Y | 5/32 | 5/32 | 5/32 | 1 |

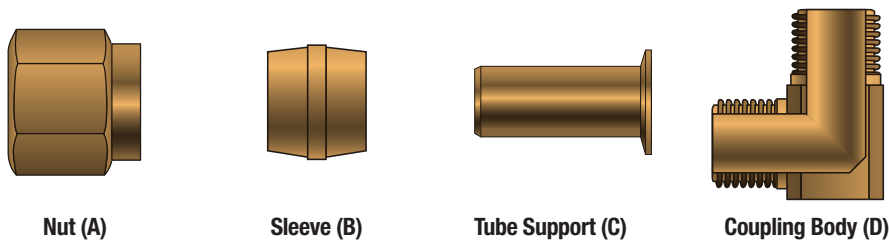
Air Brake Run Y to Male Pipe



| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|------------------|-----|-----|---|---------------|
| | | " | " | T1 (in) | |
| G56978-0202 | 2MPX-2SLI-2SLI-Y | 1/8 | 1/8 | 1/8-27 | 1 |
| G56978-0204 | 2MPX-4SLI-4SLI-Y | 1/4 | 1/4 | 1/8-27 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |



| Tube O.D. (in) | 1/4 | 3/8 | 1/2 | 5/8 | 3/4 |
|----------------|---------|---------|----------|----------|------|
| Thread Size | 7/16-24 | 9/16-24 | 11/16-20 | 13/16-18 | 1-18 |

Recommended For: Use in air brake systems - compressed air for suspension, steering, engine, transmission or other onboard vehicle applications. As a connector on all air brake systems at locations other than between chassis frame and axle or between towed and towing vehicle.

Used With: Nylon Tubing (SAE J844 or DIN 74324)

Features and Benefits: Easy to assemble, field serviceable fitting consisting of four component parts.

Conformance: Meets DOT FMVSS 571.106, SAE J246, SAE J1131, DIN 74324 and German TUV requirements.

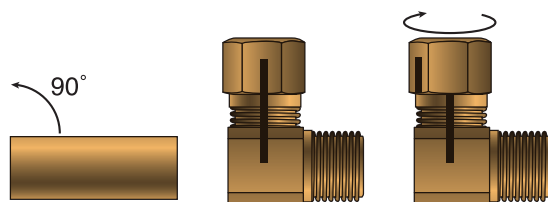
Working Pressure: 150 psi (10 bar)

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

Material: 360 Brass

Assembly Instructions:

1. Ensure tubing end is cut straight, and free of burrs.
2. Slide nut "A" and then tube sleeve "B" onto tubing. The threaded end of nut "A" must face toward the coupling body "D".
3. Insert tube into the preassembled fitting until it bottoms in the coupling body "D".
4. Hand tighten nut onto fitting, mark nut and fitting as indicated in below diagrams.



5. Using a wrench, continue tighten the connection by the number of turns indicated in the chart below.

| Tube Size O.D. (in) | Turns from Hand Tight |
|---------------------|-----------------------|
| 1/4 | 3 |
| 3/8, 1/2, 5/8 | 4 |
| 3/4 | 3-1/2 |

Disassembly Instructions: Remove nut and pull the tubing out of coupling body "D". Insert will remain in tubing.

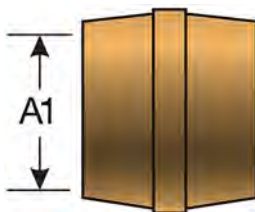
Reassembly Instructions: Push tubing and insert "C" into coupling body "D" until it bottoms, then thread nut "A" into coupling body "D" and torque per the chart below.

Tube Support Insert



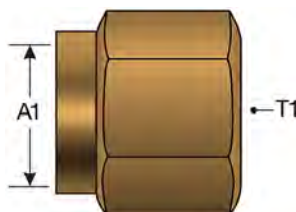
| Part No. | Desc. | A1 | Standard Pack |
|--------------|------------|-----|---------------|
| | | " | |
| G32040-0004 | 4TSI-ABC | 1/4 | 1 |
| G32040-0004B | 4TSI-ABCB | 1/4 | 10 |
| G32040-0006 | 6TSI-ABC | 3/8 | 1 |
| G32040-0006B | 6TSI-ABCB | 3/8 | 10 |
| G32040-0008 | 8TSI-ABC | 1/2 | 1 |
| G32040-0008B | 8TSI-ABCB | 1/2 | 5 |
| G32040-0010 | 10TSI-ABC | 5/8 | 1 |
| G32040-0010B | 10TSI-ABCB | 5/8 | 5 |
| G32040-0012 | 12TSI-ABC | 3/4 | 1 |
| G32040-0012B | 12TSI-ABCB | 3/4 | 5 |


Tube Sleeve



| Part No. | Desc. | A1 | Standard Pack |
|-------------|----------|-----|---------------|
| | | " | |
| G32050-0004 | 4TS-ABC | 1/4 | 10 |
| G32050-0006 | 6TS-ABC | 3/8 | 5 |
| G32050-0008 | 8TS-ABC | 1/2 | 1 |
| G32050-0010 | 10TS-ABC | 5/8 | 1 |
| G32050-0012 | 12TS-ABC | 3/4 | 1 |

Tube Sleeve Nut



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|-----|--|---------------|
| | | " | T1 (in) | |
| G32060-0004 | 4TSN-ABC | 1/4 | 7/16-24 | 10 |
| G32060-0006 | 6TSN-ABC | 3/8 | 17/32-24 | 5 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION


PIPE ADAPTERS

ADAPTERS SAE
FLARE

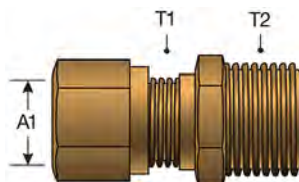
THREADED
SLEEVE


KITS &
ASSORTMENTS

Tube Sleeve Nut - Continued

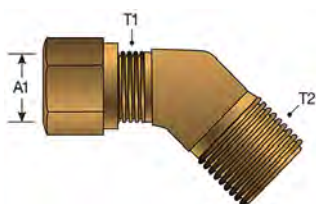
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-----------|-----|--|---------------|
| | | " | T1 (in) | |
| G32060-0008 | 8TSN-ABC | 1/2 | 11/16-20 | 1 |
| G32060-0010 | 10TSN-ABC | 5/8 | 13/16-18 | 1 |
| G32060-0012 | 12TSN-ABC | 3/4 | 1-18 | 1 |


Air Brake to Male Pipe




| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32100-0401 | 4ABC-1MP | 1/4 | 7/16-24 | 1/16-32 | 1 |
| G32100-0402 | 4ABC-2MP | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G32100-0404 | 4ABC-4MP | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G32100-0406 | 4ABC-6MP | 1/4 | 7/16-24 | 3/8-18 | 1 |
| G32100-0602 | 6ABC-2MP | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G32100-0604 | 6ABC-4MP | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G32100-0606 | 6ABC-6MP | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G32100-0608 | 6ABC-8MP | 3/8 | 17/32-24 | 1/2-14 | 1 |
| G32100-0804 | 8ABC-4MP | 1/2 | 11/16-20 | 1/4-18 | 1 |
| G32100-0806 | 8ABC-6MP | 1/2 | 11/16-20 | 3/8-18 | 1 |
| G32100-0808 | 8ABC-8MP | 1/2 | 11/16-20 | 1/2-14 | 1 |
| G32100-0812 | 8ABC-12MP | 1/2 | 11/16-20 | 3/4-14 | 1 |
| G32100-1006 | 10ABC-6MP | 5/8 | 13/16-18 | 3/8-18 | 1 |
| G32100-1008 | 10ABC-8MP | 5/8 | 13/16-18 | 1/2-14 | 1 |
| G32100-1012 | 10ABC-12MP | 5/8 | 13/16-18 | 3/4-14 | 1 |
| G32100-1208 | 12ABC-8MP | 3/4 | 1-18 | 1/2-14 | 1 |
| G32100-1212 | 12ABC-12MP | 3/4 | 1-18 | 3/4-14 | 1 |

Air Brake to Male Pipe - 45°

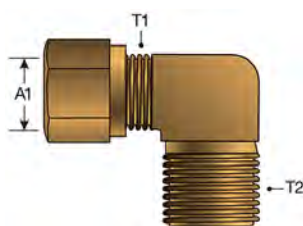



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32102-0402 | 4ABC-2MP45 | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G32102-0404 | 4ABC-4MP45 | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G32102-0602 | 6ABC-2MP45 | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G32102-0604 | 6ABC-4MP45 | 3/8 | 17/32-24 | 1/4-18 | 1 |

Air Brake to Male Pipe - 45° - Continued

| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32102-0606 | 6ABC-6MP45 | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G32102-0608 | 6ABC-8MP45 | 3/8 | 17/32-24 | 1/2-14 | 1 |
| G32102-0804 | 8ABC-4MP45 | 1/2 | 11/16-20 | 1/4-18 | 1 |
| G32102-0806 | 8ABC-6MP45 | 1/2 | 11/16-20 | 3/8-18 | 1 |
| G32102-0808 | 8ABC-8MP45 | 1/2 | 11/16-20 | 1/2-14 | 1 |
| G32102-1008 | 10ABC-8MP45 | 5/8 | 13/16-18 | 1/2-14 | 1 |

Air Brake to Male Pipe - 90°



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|--------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32104-0402 | 4ABC-2MP90 | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G32104-0404 | 4ABC-4MP90 | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G32104-0406 | 4ABC-6MP90 | 1/4 | 7/16-24 | 3/8-18 | 1 |
| G32104-0602 | 6ABC-2MP90 | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G32104-0604 | 6ABC-4MP90 | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G32104-0606 | 6ABC-6MP90 | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G32104-0608 | 6ABC-8MP90 | 3/8 | 17/32-24 | 1/2-14 | 1 |
| G32104-0804 | 8ABC-4MP90 | 1/2 | 11/16-20 | 1/4-18 | 1 |
| G32104-0806 | 8ABC-6MP90 | 1/2 | 11/16-20 | 3/8-18 | 1 |
| G32104-0808 | 8ABC-8MP90 | 1/2 | 11/16-20 | 1/2-14 | 1 |
| G32104-1006 | 10ABC-6MP90 | 5/8 | 13/16-18 | 3/8-18 | 1 |
| G32104-1008 | 10ABC-8MP90 | 5/8 | 13/16-18 | 1/2-14 | 1 |
| G32104-1012 | 10ABC-12MP90 | 5/8 | 13/16-18 | 3/4-14 | 1 |
| G32104-1206 | 12ABC-6MP90 | 3/4 | 1-18 | 3/8-18 | 1 |
| G32104-1208 | 12ABC-8MP90 | 3/4 | 1-18 | 1/2-14 | 1 |
| G32104-1212 | 12ABC-12MP90 | 3/4 | 1-18 | 3/4-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE


THREADED
SLEEVE

KITS &
ASSORTMENTS

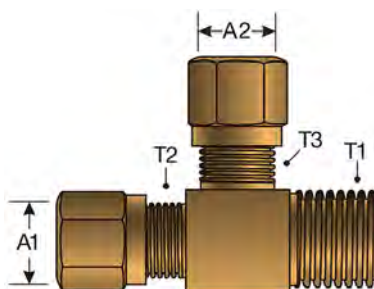
| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |


Air Brake to Male Pipe - 90° - Long



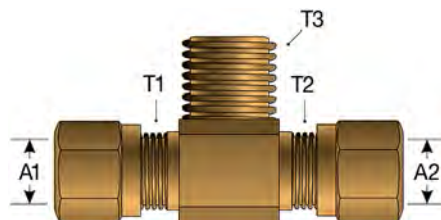
| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32106-0602 | 6ABC-2MP90L | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G32106-0604 | 6ABC-4MP90L | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G32106-0806 | 8ABC-6MP90L | 1/2 | 11/16-20 | 3/8-18 | 1 |


Air Brake Run Tee to Male Pipe



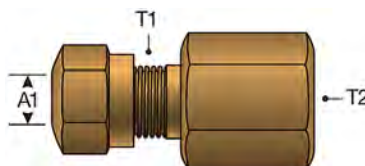
| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|-----------------|-----|-----|--|----------|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G32130-0204 | 2MP-4ABC-4ABC | 1/4 | 1/4 | 1/8-27 | 7/16-24 | 7/16-24 | 1 |
| G32130-0406 | 4MP-6ABC-6ABC | 3/8 | 3/8 | 1/4-18 | 17/32-24 | 17/32-24 | 1 |
| G32130-0606 | 6MP-6ABC-6ABC | 3/8 | 3/8 | 3/8-18 | 17/32-24 | 17/32-24 | 1 |
| G32130-0608 | 6MP-8ABC-8ABC | 1/2 | 1/2 | 3/8-18 | 11/16-20 | 11/16-20 | 1 |
| G32130-0808 | 8MP-8ABC-8ABC | 1/2 | 1/2 | 1/2-14 | 11/16-20 | 11/16-20 | 1 |
| G32130-0810 | 8MP-10ABC-10ABC | 5/8 | 5/8 | 1/2-14 | 13/16-18 | 13/16-18 | 1 |
| G32131-0406 | 4MP-4ABC-6ABC | 1/4 | 3/8 | 1/4-18 | 7/16-24 | 17/32-24 | 1 |


Air Brake Branch Tee to Male Pipe



| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|-----------------|-----|-----|--|----------|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G32134-0402 | 4ABC-4ABC-2MP | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1/8-27 | 1 |
| G32134-0404 | 4ABC-4ABC-4MP | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1/4-18 | 1 |
| G32134-0602 | 6ABC-6ABC-2MP | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1/8-27 | 1 |
| G32134-0604 | 6ABC-6ABC-4MP | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1/4-18 | 1 |
| G32134-0606 | 6ABC-6ABC-6MP | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 3/8-18 | 1 |
| G32134-0806 | 8ABC-8ABC-6MP | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 3/8-18 | 1 |
| G32134-0808 | 8ABC-8ABC-8MP | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1/2-14 | 1 |
| G32134-1008 | 10ABC-10ABC-8MP | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1/2-14 | 1 |
| G32136-0604 | 6ABC-4ABC-4MP | 3/8 | 1/4 | 17/32-24 | 7/16-24 | 1/4-18 | 1 |
| G32136-0804 | 8ABC-8ABC-4MP | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1/4-18 | 1 |
| G32136-0806 | 8ABC-6ABC-6MP | 1/2 | 3/8 | 11/16-20 | 17/32-24 | 3/8-18 | 1 |

Air Brake to Female Pipe



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-----------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32150-0402 | 4ABC-2FP | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G32150-0404 | 4ABC-4FP | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G32150-0602 | 6ABC-2FP | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G32150-0604 | 6ABC-4FP | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G32150-0606 | 6ABC-6FP | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G32150-0806 | 8ABC-6FP | 1/2 | 11/16-20 | 3/8-18 | 1 |
| G32150-0808 | 8ABC-8FP | 1/2 | 11/16-20 | 1/2-14 | 1 |
| G32150-1006 | 10ABC-6FP | 5/8 | 13/16-18 | 3/8-18 | 1 |
| G32150-1008 | 10ABC-8FP | 5/8 | 13/16-18 | 1/2-14 | 1 |
| G32150-1208 | 12ABC-8FP | 3/4 | 1-18 | 1/2-14 | 1 |

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

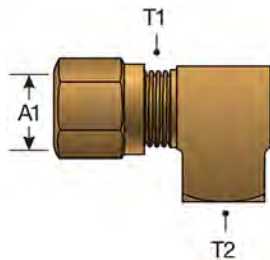
PIPE ADAPTERS


ADAPTERS SAE FLARE

THREADED SLEEVE

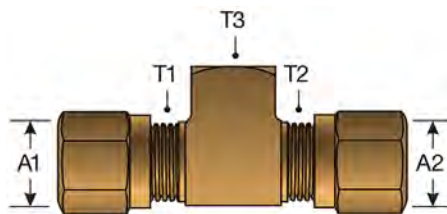
KITS & ASSORTMENTS


Air Brake to Female Pipe - 90°



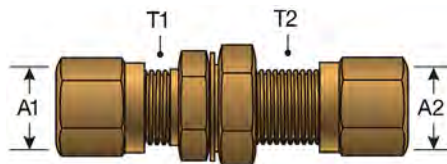
| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32154-0402 | 4ABC-2FP90 | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G32154-0404 | 4ABC-4FP90 | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G32154-0602 | 6ABC-2FP90 | 3/8 | 17/32-24 | 1/8-27 | 1 |
| G32154-0604 | 6ABC-4FP90 | 3/8 | 17/32-24 | 1/4-18 | 1 |
| G32154-0606 | 6ABC-6FP90 | 3/8 | 17/32-24 | 3/8-18 | 1 |
| G32154-0806 | 8ABC-6FP90 | 1/2 | 11/16-20 | 3/8-18 | 1 |
| G32154-0808 | 8ABC-8FP90 | 1/2 | 11/16-20 | 1/2-14 | 1 |
| G32154-1008 | 10ABC-8FP90 | 5/8 | 13/16-18 | 1/2-14 | 1 |


Air Brake Branch Tee to Female Pipe




| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|-----------------|-----|-----|--|----------|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G32160-0604 | 6ABC-6ABC-4FP | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1/4-18 | 1 |
| G32160-0804 | 8ABC-8ABC-4FP | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1/4-18 | 1 |
| G32160-1004 | 10ABC-10ABC-4FP | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1/4-18 | 1 |

Air Brake Bulkhead Union

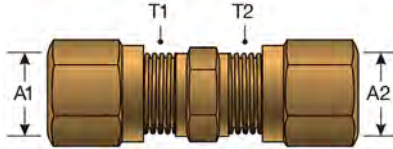



| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|----------------|-----|-----|---|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G32300-0404 | 4ABC-4ABC-BKHD | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1 |
| G32300-0606 | 6ABC-6ABC-BKHD | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1 |
| G32300-0808 | 8ABC-8ABC-BKHD | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1 |

Air Brake Bulkhead Union - Continued

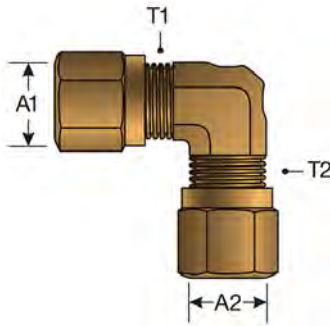
| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|------------------|-----|-----|---|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G32300-1010 | 10ABC-10ABC-BKHD | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1 |


Air Brake Union



| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|-------------|-----|-----|---|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G32400-0404 | 4ABC-4ABC | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1 |
| G32400-0606 | 6ABC-6ABC | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1 |
| G32400-0808 | 8ABC-8ABC | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1 |
| G32400-1010 | 10ABC-10ABC | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1 |
| G32400-1212 | 12ABC-12ABC | 3/4 | 3/4 | 1-18 | 1-18 | 1 |

Air Brake Union - 90°



| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|---------------|-----|-----|---|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G32404-0404 | 4ABC-4ABC90 | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1 |
| G32404-0606 | 6ABC-6ABC90 | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 1 |
| G32404-0808 | 8ABC-8ABC90 | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1 |
| G32404-1010 | 10ABC-10ABC90 | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

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BRAKE SURELOK

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COMPRESSION

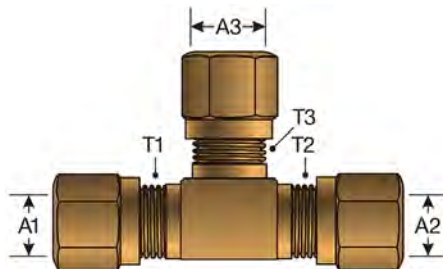
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Air Brake Union - Tee



| Part No. | Desc. | A1 | A2 | A3 |  | | | Standard Pack |
|-------------|-------------------|-----|-----|-----|---|----------|----------|---------------|
| | | " | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G32450-0404 | 4ABC-4ABC-4ABC | 1/4 | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 7/16-24 | 1 |
| G32450-0406 | 4ABC-6ABC-6ABC | 1/4 | 3/8 | 3/8 | 7/16-24 | 17/32-24 | 17/32-24 | 1 |
| G32450-0604 | 6ABC-6ABC-4ABC | 3/8 | 3/8 | 1/4 | 17/32-24 | 17/32-24 | 7/16-24 | 1 |
| G32450-0606 | 6ABC-6ABC-6ABC | 3/8 | 3/8 | 3/8 | 17/32-24 | 17/32-24 | 17/32-24 | 1 |
| G32450-0608 | 6ABC-6ABC-8ABC | 3/8 | 3/8 | 1/2 | 17/32-24 | 17/32-24 | 11/16-20 | 1 |
| G32450-0806 | 8ABC-8ABC-6ABC | 1/2 | 1/2 | 3/8 | 11/16-20 | 11/16-20 | 17/32-24 | 1 |
| G32450-0808 | 8ABC-8ABC-8ABC | 1/2 | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 11/16-20 | 1 |
| G32450-1010 | 10ABC-10ABC-10ABC | 5/8 | 5/8 | 5/8 | 13/16-18 | 13/16-18 | 13/16-18 | 1 |
| G32452-0806 | 8ABC-6ABC-8ABC | 1/2 | 3/8 | 1/2 | 11/16-20 | 17/32-24 | 11/16-20 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
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- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Air Brake Couplings For Rubber Hose

Recommended For: Air brake systems on trucks and buses. Offering includes a broad range of application coverage for use in the air brake system and with AB Series Rubber Air Brake Hose.

Used With: AB Series Rubber Air Brake Hose. **NOT** recommended for Nylon Air Brake Tubing.

Features and Benefits: Many fittings can be detached and reattached for reuse.

Conformance: Meets SAE J1402 and D.O.T. FMVSS-106 requirements.

Working Pressure: 225 psi (15 bar)

Maximum Burst Pressure: 900 psi (62 bar)

Temperature Range: -63°F to +250°F (-52° to +121°C)

Material: 360 Brass

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

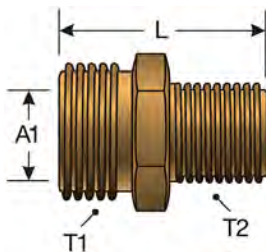
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

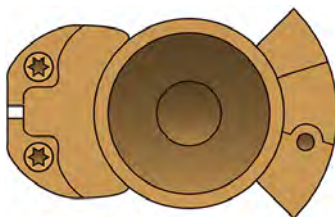
KITS &
ASSORTMENTS

Male Air Brake to Male Pipe Adapter



| Part No. | Desc. | A1 | |  | | L | | Standard Pack |
|-------------|----------|-----|------|---|---------|------|------|---------------|
| | | " | mm | T1 (in) | T2 (in) | " | mm | |
| G33030-0604 | 6MAB-4MP | 3/8 | 9.7 | 3/4-20 | 1/4-18 | 1.06 | 26.9 | 1 |
| G33030-0606 | 6MAB-6MP | 3/8 | 9.7 | 3/4-20 | 3/8-18 | 1.12 | 28.5 | 1 |
| G33030-0608 | 6MAB-8MP | 3/8 | 9.7 | 3/4-20 | 1/2-14 | 1.18 | 30.0 | 1 |
| G33030-0806 | 8MAB-6MP | 1/2 | 12.7 | 7/8-20 | 3/8-18 | 1.18 | 30.0 | 1 |
| G33030-0808 | 8MAB-8MP | 1/2 | 12.7 | 7/8-20 | 1/2-14 | 1.37 | 34.8 | 1 |

Gladhand



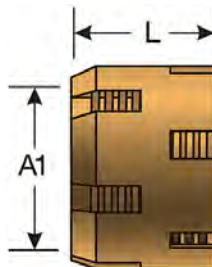
| Part No. | Desc. | Type | Standard Pack |
|-------------|-------|-----------|---------------|
| G33031-0508 | 8GH-S | Service | 1 |
| G33031-0608 | 8GH-U | Universal | 1 |
| G33031-0708 | 8GH-E | Emergency | 1 |

Gladhand Seal



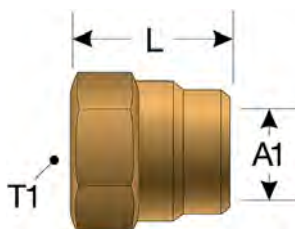
| Part No. | Desc. | Standard Pack |
|-------------|----------|---------------|
| G33032-0006 | 6GH-SEAL | 1 |

Sleeve



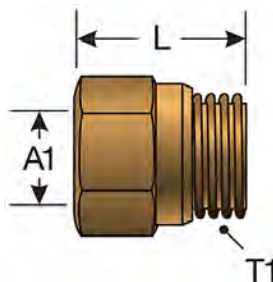
| Part No. | Desc. | A1 | | L | | Standard Pack |
|-------------|----------|-----|------|-----|------|---------------|
| | | " | mm | " | mm | |
| G33050-0006 | 6TS-6ABR | 3/8 | 9.7 | .69 | 17.5 | 1 |
| G33050-0008 | 8TS-8ABR | 1/2 | 12.7 | .69 | 17.5 | 1 |

Nut



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-----------|-----|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G33060-0006 | 6TSN-6ABR | 3/8 | 9.7 | 1 1/16 | 1.12 | 28.5 | 1 |
| G33060-0008 | 8TSN-8ABR | 1/2 | 12.7 | 1 1/4 | 1.12 | 28.5 | 1 |

Spring Guard Nut



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-----------|-----|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G33061-0006 | 6SGN-6ABR | 3/8 | 9.7 | 1 1/16 | 1.22 | 31.0 | 1 |
| G33061-0008 | 8SGN-8ABR | 1/2 | 12.7 | 1 1/4 | 1.19 | 30.2 | 1 |

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE FLARE

THREADED SLEEVE

KITS & ASSORTMENTS

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

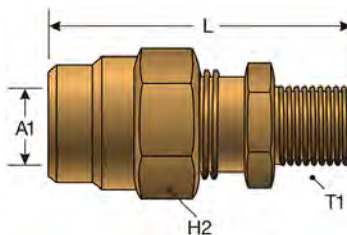
PIPE ADAPTERS

ADAPTERS SAE FLARE

THREADED SLEEVE

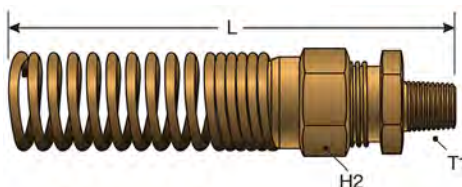
KITS & ASSORTMENTS

Air Brake to Male Pipe with Nut and Sleeve



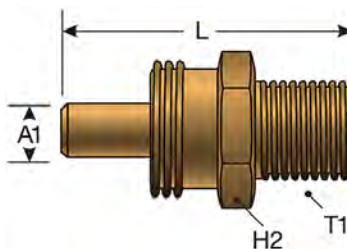
| Part No. | Desc. | A1 | | T1 (in) | H2 | L | | Standard Pack |
|-------------|----------|-----|------|---------|-------|------|------|---------------|
| | | " | mm | | | " | mm | |
| G33100-0604 | 6ABR-4MP | 3/8 | 9.7 | 1/4-18 | 31/32 | 2.12 | 53.9 | 1 |
| G33100-0606 | 6ABR-6MP | 3/8 | 9.7 | 3/8-18 | 31/32 | 2.12 | 53.9 | 1 |
| G33100-0608 | 6ABR-8MP | 3/8 | 9.7 | 1/2-14 | 31/32 | 2.27 | 57.7 | 1 |
| G33100-0806 | 8ABR-6MP | 1/2 | 12.7 | 3/8-18 | 1 1/8 | 2.13 | 54.1 | 1 |
| G33100-0808 | 8ABR-8MP | 1/2 | 12.7 | 1/2-14 | 1 1/8 | 2.29 | 58.2 | 1 |

Air Brake to Male Pipe with Spring Guard




| Part No. | Desc. | T1 (in) | H2 | L | | Standard Pack |
|-------------|------------|---------|-------|------|-------|---------------|
| | | | | " | mm | |
| G33110-0604 | 6ABRSG-4MP | 1/4-18 | 31/32 | 4.80 | 121.9 | 1 |
| G33110-0606 | 6ABRSG-6MP | 3/8-18 | 31/32 | 4.80 | 121.9 | 1 |
| G33110-0608 | 6ABRSG-8MP | 1/2-14 | 31/32 | 4.90 | 124.5 | 1 |
| G33110-0806 | 8ABRSG-6MP | 3/8-18 | 1 1/8 | 5.00 | 127.0 | 1 |
| G33110-0808 | 8ABRSG-8MP | 1/2-14 | 1 1/8 | 5.20 | 132.1 | 1 |

Air Brake to Male Pipe without Nut and Sleeve

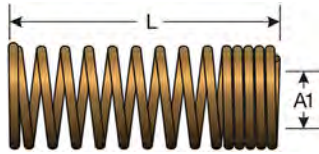


| Part No. | Desc. | A1 | | T1 (in) | H2 | L | | Standard Pack |
|-------------|-----------|-----|-----|---------|-------|------|------|---------------|
| | | " | mm | | | " | mm | |
| G33111-0604 | 6ABRI-4MP | 3/8 | 9.7 | 1/4-18 | 31/32 | 1.91 | 48.5 | 1 |
| G33111-0606 | 6ABRI-6MP | 3/8 | 9.7 | 3/8-18 | 31/32 | 1.91 | 48.5 | 1 |
| G33111-0608 | 6ABRI-8MP | 3/8 | 9.7 | 1/2-14 | 31/32 | 2.06 | 52.3 | 1 |

Air Brake to Male Pipe without Nut and Sleeve - Continued

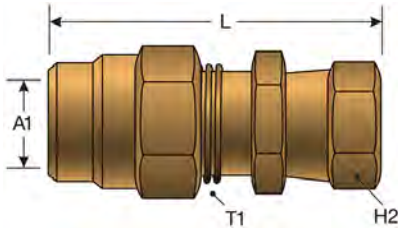
| Part No. | Desc. | A1 | |  | H2 | L | | Standard Pack |
|-------------|-----------|-----|------|---|-------|------|------|---------------|
| | | " | mm | T1 (in) | " | " | mm | |
| G33111-0806 | 8ABRI-6MP | 1/2 | 12.7 | 3/8-18 | 1 1/8 | 1.90 | 48.3 | 1 |
| G33111-0808 | 8ABRI-8MP | 1/2 | 12.7 | 1/2-14 | 1 1/8 | 2.07 | 52.6 | 1 |


Air Brake Spring Guard



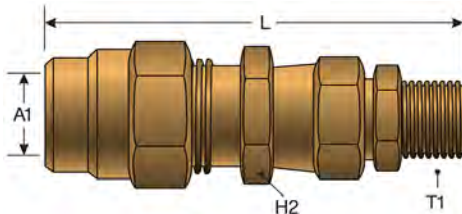
| Part No. | Desc. | A1 | | L | | Standard Pack |
|-------------|--------|-----|------|------|------|---------------|
| | | " | mm | " | mm | |
| G33112-0006 | 6SGABR | 3/8 | 9.7 | 2.75 | 69.9 | 1 |
| G33112-0008 | 8SGABR | 1/2 | 12.7 | 3.00 | 76.2 | 1 |


Air Brake to Female Air Brake Swivel



| Part No. | Desc. | A1 | |  | H2 | L | | Standard Pack |
|-------------|------------|-----|------|---|-------|------|------|---------------|
| | | " | mm | T1 (in) | " | " | mm | |
| G33150-0606 | 6ABR-6FABX | 3/8 | 9.7 | 3/4-20 | 31/32 | 2.30 | 58.4 | 1 |
| G33150-0808 | 8ABR-8FABX | 1/2 | 12.7 | 7/8-20 | 1 1/8 | 2.36 | 59.9 | 1 |

Air Brake to Female Air Brake Swivel with Adapter



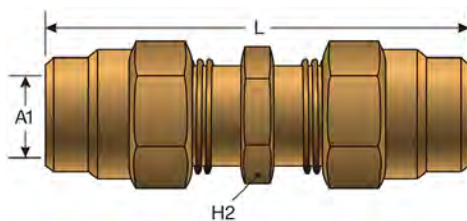
| Part No. | Desc. | A1 | |  | H2 | L | | Standard Pack |
|-------------|-----------------|-----|-----|---|-------|------|------|---------------|
| | | " | mm | T1 (in) | " | " | mm | |
| G33151-0604 | 6ABR-6FABX-4MPA | 3/8 | 9.7 | 1/4-18 | 15/16 | 2.94 | 74.7 | 1 |
| G33151-0606 | 6ABR-6FABX-6MPA | 3/8 | 9.7 | 3/8-18 | 1 1/8 | 2.94 | 74.7 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Air Brake to Female Air Brake Swivel with Adapter - Continued

| Part No. | Desc. | A1 | | T1 (in) | H2 | L | | Standard Pack |
|-------------|-----------------|-----|------|---------|-------|------|------|---------------|
| | | " | mm | | | " | mm | |
| G33151-0608 | 6ABR-8FABX-8MPA | 3/8 | 9.7 | 1/2-14 | 1 1/8 | 2.94 | 74.7 | 1 |
| G33151-0806 | 8ABR-6FABX-6MPA | 1/2 | 12.7 | 3/8-18 | 1 1/8 | 2.94 | 74.7 | 1 |

Air Brake Union



| Part No. | Desc. | A1 | | H2 | L | | Standard Pack |
|-------------|-----------|-----|------|-------|------|------|---------------|
| | | " | mm | | " | mm | |
| G33400-0606 | 6ABR-6ABR | 3/8 | 9.7 | 31/32 | 2.98 | 75.7 | 1 |
| G33400-0808 | 8ABR-8ABR | 1/2 | 12.7 | 1 1/8 | 2.99 | 75.9 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Recommended For: Oil, coolant and water. Commonly used for fuel line connections in heavy-duty truck and trailer applications.

Used With: Copper, aluminum, steel and plastic tubing

Features and Benefits: Robust construction with metal to metal seats for high heat and fluid compatibility. A fine thread screw provides easy adjustment and flow control.

Conformance: Recommended for fleet, heavy-duty or industrial use. Not recommended for natural gas or LPG applications.

Working Pressure: 150 psi (10 bar)

Temperature Range: -30°F to +250°F (-34°C to +121°C)

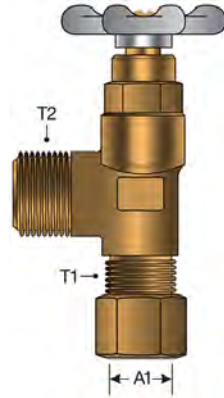
Material: 360 Brass

Assembly Instructions:

1. Be sure to apply pressure against the seat of the valve during installation.
2. When installing angle valves, pressure should always be directed against the seat, not the stem threads of the valve.

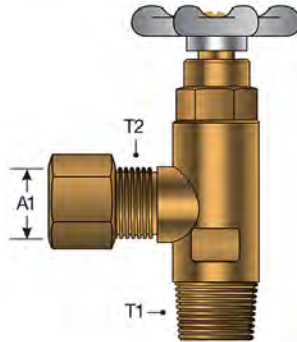
| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Truck Valve 90° - Air Brake Nylon Compression to Male Pipe Branch



| Part No. | Desc. | A1 | | | Standard Pack |
|-------------|---------------|-----|----------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32601-0808 | 8ABC-8MP90-TV | 1/2 | 11/16-20 | 1/2-14 | 1 |

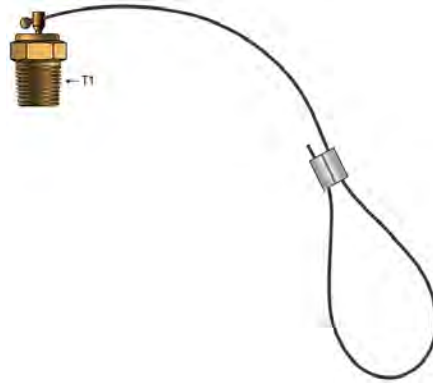
Truck Valve 90° - Air Brake Nylon Compression to Male Pipe Run




| Part No. | Desc. | A1 | | | Standard Pack |
|-------------|---------------|-----|---------|----------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G32602-0808 | 8MP-8ABC90-TV | 1/2 | 1/2-14 | 11/16-20 | 1 |

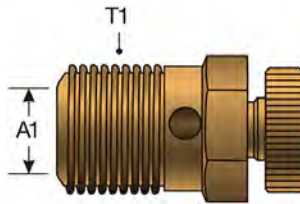
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Air Tank Drain Valve



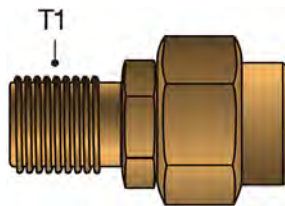
| Part No. | Desc. |  | Standard Pack |
|-------------|----------|---|---------------|
| | | T1 (in) | |
| G33021-0004 | 4MP-ATDV | 1/4-18 | 1 |


Air Vent



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|--------|-----|--|---------------|
| | | " | T1 (in) | |
| G33022-0002 | 2MP-AV | 1/8 | 1/8-27 | 1 |

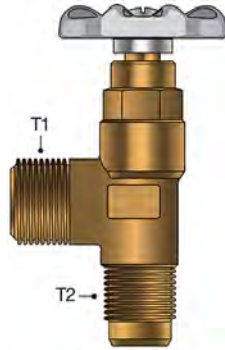
One Way Check Valve



| Part No. | Desc. |  | Standard Pack |
|-------------|--------|---|---------------|
| | | T1 (in) | |
| G33027-0006 | 6MP-CV | 3/8-18 | 1 |
| G33027-0008 | 8MP-CV | 1/2-14 | 1 |

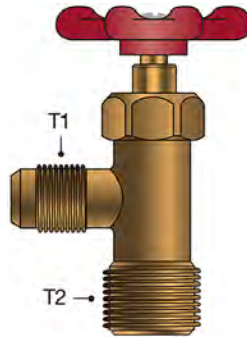
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Truck Valve 90° - Male SAE 45° Flare to Male Pipe Run



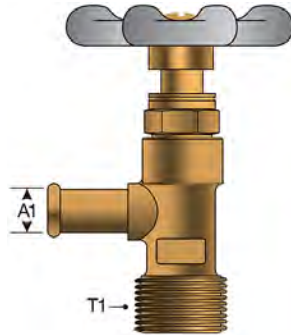
| Part No. | Desc. | | | Standard Pack |
|-------------|---------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33610-0810 | 8MP-10MS90-TV | 1/2-14 | 7/8-14 | 1 |


Truck Valve 90° - Male SAE 45° to Male Pipe Branch



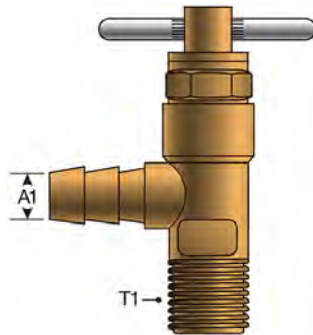
| Part No. | Desc. | | | Standard Pack |
|-------------|---------------|-----------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33612-0604 | 6MS-4MP90-TV | 5/8-18 | 1/4-18 | 1 |
| G33612-0606 | 6MS-6MP90-TV | 5/8-18 | 3/8-18 | 1 |
| G33612-0608 | 6MS-8MP90-TV | 5/8-18 | 1/2-14 | 1 |
| G33612-0806 | 8MS-6MP90-TV | 3/4-16 | 3/8-18 | 1 |
| G33612-0808 | 8MS-8MP90-TV | 3/4-16 | 1/2-14 | 1 |
| G33612-1008 | 10MS-8MP90-TV | 7/8-14 | 1/2-14 | 1 |
| G33612-1208 | 12MS-8MP90-TV | 1 1/16-14 | 1/2-14 | 1 |


Truck Valve 90° - Single Bead to Male Pipe Run



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|---------------|-----|---|---------------|
| | | " | T1 (in) | |
| G33620-0606 | 6SB-6MP90-TV | 3/8 | 3/8-18 | 1 |
| G33620-0806 | 8SB-6MP90-TV | 1/2 | 3/8-18 | 1 |
| G33620-1006 | 10SB-6MP90-TV | 5/8 | 3/8-18 | 1 |
| G33620-1008 | 10SB-8MP90-TV | 5/8 | 1/2-14 | 1 |
| G33620-1206 | 12SB-6MP90-TV | 3/4 | 3/8-18 | 1 |
| G33620-1208 | 12SB-8MP90-TV | 3/4 | 1/2-14 | 1 |

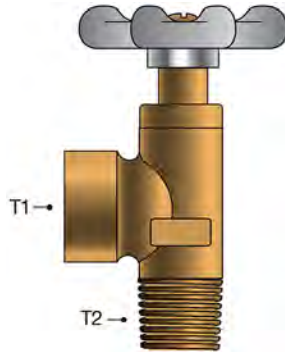
Truck Valve 90° - Barbed to Male Pipe Branch with Pin Handle




| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------------|-----|---|---------------|
| | | " | T1 (in) | |
| G33622-0606 | 6SB-6MP90-TVP | 3/8 | 3/8-18 | 1 |
| G33622-1006 | 10SB-6MP90-TVP | 5/8 | 3/8-18 | 1 |

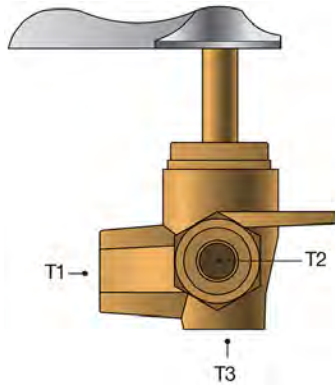
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Truck Valve 90° - Male Pipe to Female Pipe Branch



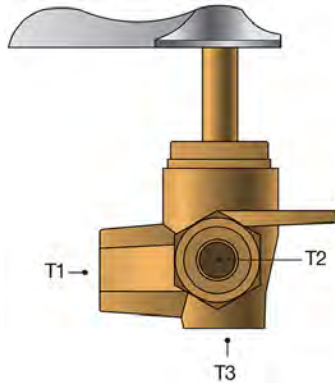
| Part No. | Desc. |  | | Standard Pack |
|-------------|--------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33630-0606 | 6FP-6MP90-TV | 3/8-18 | 3/8-18 | 1 |
| G33630-0608 | 6FP-8MP90-TV | 3/8-18 | 1/2-14 | 1 |
| G33630-0808 | 8FP-8MP90-TV | 1/2-14 | 1/2-14 | 1 |

Truck Valve - 3-Way



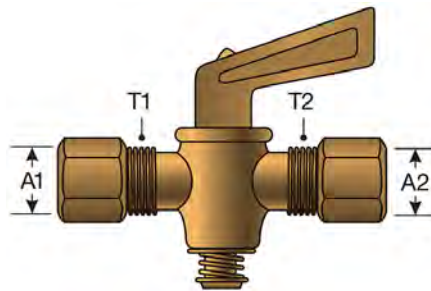
| Part No. | Desc. |  | | | Standard Pack |
|-------------|-----------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G33650-0202 | 2FP-2FP-2FP3WTV | 1/8-27 | 1/8-27 | 1/8-27 | 1 |
| G33650-0404 | 4FP-4FP-4FP3WTV | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G33650-0606 | 6FP-6FP-6FP3WTV | 3/8-18 | 3/8-18 | 3/8-18 | 1 |

Truck Valve - 4-Way



| Part No. | Desc. | Tubing | | | Standard Pack |
|-------------|-------------------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G33655-0404 | 4FP-4FP-4FP4WTV | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G33655-0606 | 6FP-6FP-6FP4WTV | 3/8-18 | 3/8-18 | 3/8-18 | 1 |
| G33656-0404 | 4FP-4FP-4FP4WTV-L | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G33656-0606 | 6FP-6FP-6FP4WTV-L | 3/8-18 | 3/8-18 | 3/8-18 | 1 |

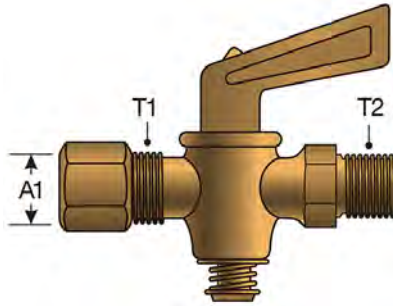
Shut-Off Cock - Copper Tubing Ind. Compression to Copper Tubing Ind. Compression Run



| Part No. | Desc. | A1 | A2 | Tubing | | Standard Pack |
|-------------|-------------|------|------|----------|----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G33701-0404 | 4MFA-4MFASC | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1 |
| G33701-0505 | 5MFA-5MFASC | 5/16 | 5/16 | 1/2-24 | 1/2-24 | 1 |
| G33701-0606 | 6MFA-6MFASC | 3/8 | 3/8 | 9/16-24 | 9/16-24 | 1 |
| G33701-0808 | 8MFA-8MFASC | 1/2 | 1/2 | 11/16-20 | 11/16-20 | 1 |

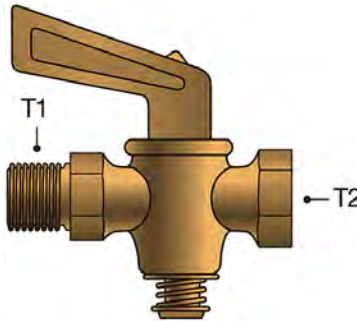
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Shut-Off Cock - Copper Tubing Industrial Compression to Male Pipe Run



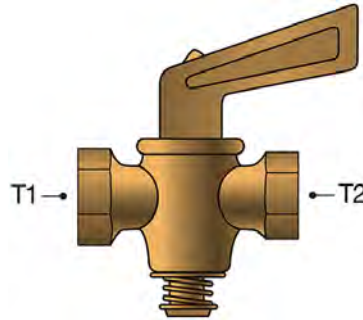
| Part No. | Desc. | A1 | 🌀 | | Standard Pack |
|-------------|------------|------|----------|---------|---------------|
| | | | T1 (in) | T2 (in) | |
| G33705-0402 | 4MFA-2MPSC | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G33705-0404 | 4MFA-4MPSC | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G33705-0502 | 5MFA-2MPSC | 5/16 | 1/2-24 | 1/8-27 | 1 |
| G33705-0504 | 5MFA-4MPSC | 5/16 | 1/2-24 | 1/4-18 | 1 |
| G33705-0604 | 6MFA-4MPSC | 3/8 | 9/16-24 | 1/4-18 | 1 |
| G33705-0806 | 8MFA-6MPSC | 1/2 | 11/16-20 | 3/8-18 | 1 |

Shut-Off Cock - Male Pipe to Female Pipe Run



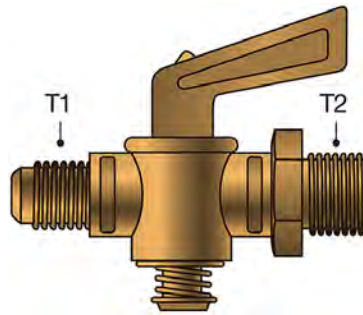
| Part No. | Desc. | 🌀 | | Standard Pack |
|-------------|-----------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33710-0202 | 2MP-2FPSC | 1/8-27 | 1/8-27 | 1 |
| G33710-0404 | 4MP-4FPSC | 1/4-18 | 1/4-18 | 1 |
| G33710-0606 | 6MP-6FPSC | 3/8-18 | 3/8-18 | 1 |
| G33710-0808 | 8MP-8FPSC | 1/2-14 | 1/2-14 | 1 |

Shut-Off Cock - Female Pipe to Female Pipe Run



| Part No. | Desc. | Spring | | Standard Pack |
|-------------|-----------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33715-0202 | 2FP-2FPSC | 1/8-27 | 1/8-27 | 1 |
| G33715-0404 | 4FP-4FPSC | 1/4-18 | 1/4-18 | 1 |
| G33715-0606 | 6FP-6FPSC | 3/8-18 | 3/8-18 | 1 |
| G33715-0808 | 8FP-8FPSC | 1/2-14 | 1/2-14 | 1 |

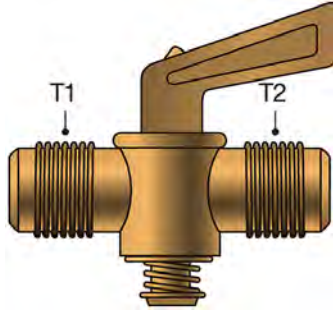
Shut-Off Cock - Male SAE 45° Flare to Male Pipe Run




| Part No. | Desc. | Spring | | Standard Pack |
|-------------|-----------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33720-0402 | 4MS-2MPSC | 7/16-20 | 1/8-27 | 1 |
| G33720-0404 | 4MS-4MPSC | 7/16-20 | 1/4-18 | 1 |
| G33720-0502 | 5MS-2MPSC | 1/2-20 | 1/8-27 | 1 |
| G33720-0504 | 5MS-4MPSC | 1/2-20 | 1/4-18 | 1 |
| G33720-0604 | 6MS-4MPSC | 5/8-18 | 1/4-18 | 1 |
| G33720-0606 | 6MS-6MPSC | 5/8-18 | 3/8-18 | 1 |
| G33720-0608 | 6MS-8MPSC | 5/8-18 | 1/2-14 | 1 |
| G33720-0806 | 8MS-6MPSC | 3/4-16 | 3/8-18 | 1 |
| G33720-0808 | 8MS-8MPSC | 3/4-16 | 1/2-14 | 1 |

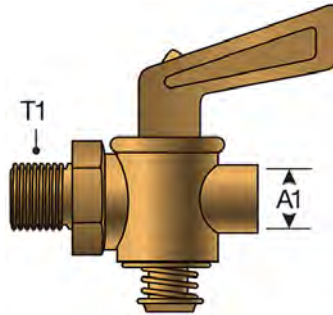
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Shut-Off Cock - Male SAE 45° Flare to Male SAE 45° Flare Run



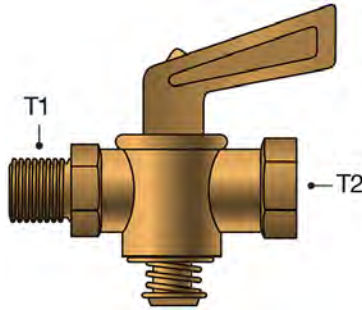
| Part No. | Desc. |  | | Standard Pack |
|-------------|-------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33730-0404 | 4MS-4MSSC | 7/16-20 | 7/16-20 | 1 |
| G33730-0505 | 5MS-5MSSC | 1/2-20 | 1/2-20 | 1 |
| G33730-0606 | 6MS-6MSSC | 5/8-18 | 5/8-18 | 1 |
| G33730-0808 | 8MS-8MSSC | 3/4-16 | 3/4-16 | 1 |
| G33730-1010 | 10MS-10MSSC | 7/8-14 | 7/8-14 | 1 |

Air Shut-Off Cock - Male Pipe to Bibb Nose



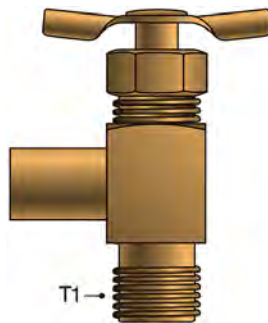
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|---------|-----|---|---------------|
| | | " | T1 (in) | |
| G33801-0002 | 2MP-ADC | 1/8 | 1/8-27 | 1 |
| G33801-0004 | 4MP-ADC | 1/4 | 1/4-18 | 1 |
| G33801-0006 | 6MP-ADC | 3/8 | 3/8-18 | 1 |
| G33801-0008 | 8MP-ADC | 1/2 | 1/2-14 | 1 |

Air Drain Cock - Male Pipe to Female Pipe



| Part No. | Desc. | | | Standard Pack |
|-------------|------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33805-0202 | 2FP-2MPADC | 1/8-27 | 1/8-27 | 1 |
| G33805-0404 | 4FP-4MPADC | 1/4-18 | 1/4-18 | 1 |
| G33805-0808 | 8FP-8MPADC | 1/2-14 | 1/2-14 | 1 |

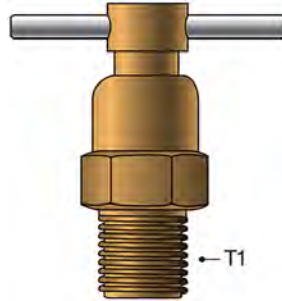
Drain Cock 90° - Single Bead to Male Pipe - Long




| Part No. | Desc. | | Standard Pack |
|-------------|--------------|---------|---------------|
| | | T1 (in) | |
| G33823-1006 | 10BN-6MPDC90 | 3/8-18 | 1 |

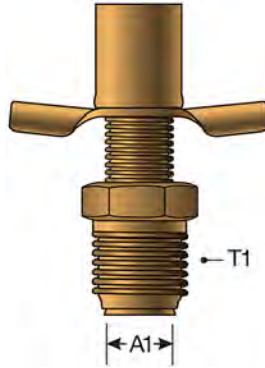
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Drain Cock - Male Pipe Internal Seat - Bibb Nose - Long



| Part No. | Desc. |  | Standard Pack |
|-------------|----------|---|---------------|
| | | T1 (in) | |
| G33830-0002 | 2MP-ISDC | 1/8-27 | 1 |
| G33830-0004 | 4MP-ISDC | 1/4-18 | 1 |
| G33830-0006 | 6MP-ISDC | 3/8-18 | 1 |

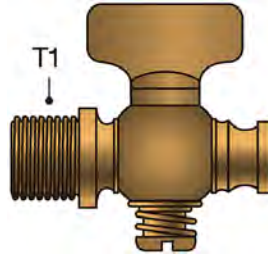
Drain Cock - Male Pipe to Tube External Seat - Long



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|-----|---|---------------|
| | | " | T1 (in) | |
| G33831-0004 | 4MP-ESDC | 1/4 | 1/4-18 | 1 |

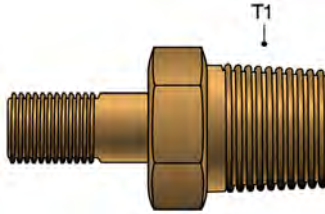
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Air Shut-Off Cock - Male Pipe - Bibb Nose with Key Handle



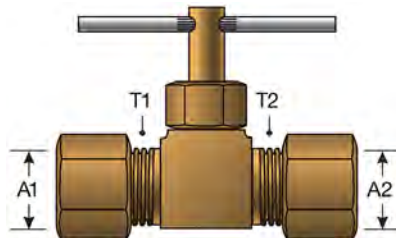
| Part No. | Desc. | T1 (in) | | Standard Pack |
|-------------|-----------|---------|--|---------------|
| | | | | |
| G33832-0202 | 2MP-ADCBN | 1/8-27 | | 1 |
| G33832-0404 | 4MP-ADCBN | 1/4-18 | | 1 |
| G33832-0808 | 8MP-ADCBN | 1/2-14 | | 1 |

Air Tank Valve



| Part No. | Desc. | T1 (in) | | Standard Pack |
|-------------|--------|---------|--|---------------|
| | | | | |
| G33850-0202 | 2ATNKV | 1/8-27 | | 1 |
| G33850-0404 | 4ATNKV | 1/4-18 | | 1 |

Needle Valve - Copper Tubing Ind. Compression to Copper Tubing Ind. Compression Run



| Part No. | Desc. | A1 | A2 | T1 (in) / T2 (in) | | Standard Pack |
|-------------|-------------|------|------|-------------------|---------|---------------|
| | | " | " | | | |
| G33901-0303 | 3MFA-3MFANV | 3/16 | 3/16 | 3/8-24 | 3/8-24 | 1 |
| G33901-0404 | 4MFA-4MFANV | 1/4 | 1/4 | 7/16-24 | 7/16-24 | 1 |
| G33901-0505 | 5MFA-5MFANV | 5/16 | 5/16 | 1/2-24 | 1/2-24 | 1 |
| G33901-0606 | 6MFA-6MFANV | 3/8 | 3/8 | 9/16-24 | 9/16-24 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

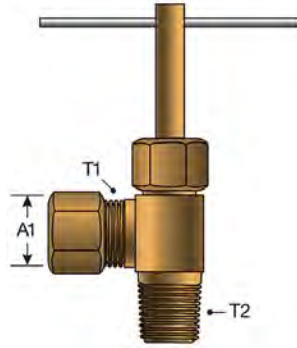
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

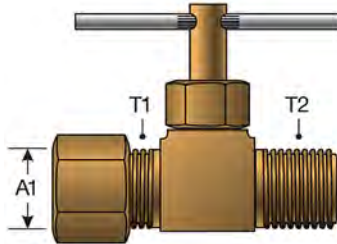
KITS &
ASSORTMENTS


Needle Valve 90° - Copper Tubing Industrial Compression to Male Pipe



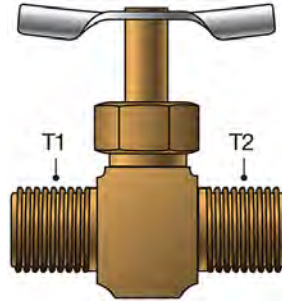
| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|--------------|------|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G33905-0302 | 3MFA-2MP90NV | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G33905-0402 | 4MFA-2MP90NV | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G33905-0404 | 4MFA-4MP90NV | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G33905-0502 | 5MFA-2MP90NV | 5/16 | 1/2-24 | 1/8-27 | 1 |
| G33905-0504 | 5MFA-4MP90NV | 5/16 | 1/2-24 | 1/4-18 | 1 |
| G33905-0602 | 6MFA-2MP90NV | 3/8 | 9/16-24 | 1/8-27 | 1 |
| G33905-0604 | 6MFA-4MP90NV | 3/8 | 9/16-24 | 1/4-18 | 1 |


Needle Valve - Copper Tubing Industrial Compression to Male Pipe



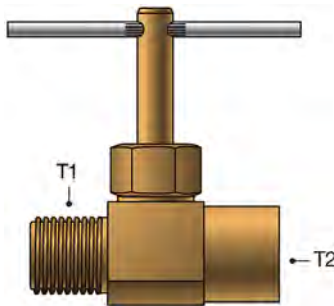
| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|------------|------|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G33910-0202 | 2MFA-2MPNV | 1/8 | 5/16-24 | 1/8-27 | 1 |
| G33910-0302 | 3MFA-2MPNV | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G33910-0402 | 4MFA-2MPNV | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G33910-0404 | 4MFA-4MPNV | 1/4 | 7/16-24 | 1/4-18 | 1 |
| G33910-0502 | 5MFA-2MPNV | 5/16 | 1/2-24 | 1/8-27 | 1 |
| G33910-0504 | 5MFA-4MPNV | 5/16 | 1/2-24 | 1/4-18 | 1 |
| G33910-0604 | 6MFA-4MPNV | 3/8 | 9/16-24 | 1/4-18 | 1 |


Needle Valve - Male Pipe to Male Pipe



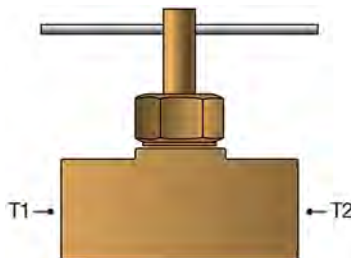
| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33915-0202 | 2MP-2MPNV | 1/8-27 | 1/8-27 | 1 |
| G33915-0404 | 4MP-4MPNV | 1/4-18 | 1/4-18 | 1 |


Needle Valve - Male Pipe to Female Pipe



| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33920-0202 | 2MP-2FPNV | 1/8-27 | 1/8-27 | 1 |
| G33920-0404 | 4MP-4FPNV | 1/4-18 | 1/4-18 | 1 |

Needle Valve - Female Pipe to Female Pipe



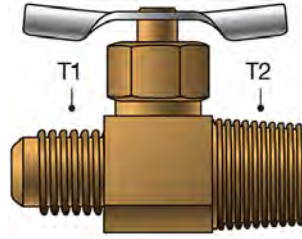
| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33930-0202 | 2FP-2FPNV | 1/8-27 | 1/8-27 | 1 |
| G33930-0404 | 4FP-4FPNV | 1/4-18 | 1/4-18 | 1 |


- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

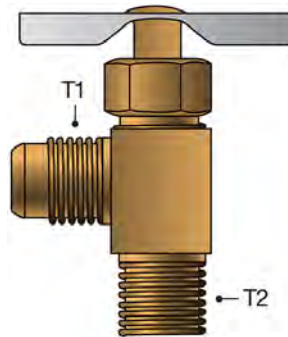
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Needle Valve - Male SAE 45° Flare to Male Pipe



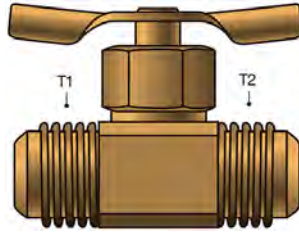
| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33940-0402 | 4MS-2MPNV | 7/16-20 | 1/8-27 | 1 |
| G33940-0404 | 4MS-4MPNV | 7/16-20 | 1/4-18 | 1 |
| G33940-0502 | 5MS-2MPNV | 1/2-20 | 1/8-27 | 1 |
| G33940-0504 | 5MS-4MPNV | 1/2-20 | 1/4-18 | 1 |
| G33940-0604 | 6MS-4MPNV | 5/8-18 | 1/4-18 | 1 |

Needle Valve 90° - Male SAE 45° Flare to Male Pipe



| Part No. | Desc. |  | | Standard Pack |
|-------------|-------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33945-0402 | 4MS-2MP90NV | 7/16-20 | 1/8-27 | 1 |
| G33945-0502 | 5MS-2MP90NV | 1/2-20 | 1/8-27 | 1 |
| G33945-0504 | 5MS-4MP90NV | 1/2-20 | 1/4-18 | 1 |
| G33945-0604 | 6MS-4MP90NV | 5/8-18 | 1/4-18 | 1 |

Needle Valve - Male SAE 45° Flare to Male SAE 45° Flare



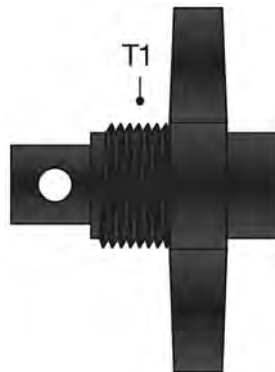
| Part No. | Desc. | | | Standard Pack |
|-------------|-----------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33950-0404 | 4MS-4MSNV | 7/16-20 | 7/16-20 | 1 |
| G33950-0606 | 6MS-6MSNV | 5/8-18 | 5/8-18 | 1 |

Plastic Drain Cock - Chrysler Black Key Style



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|--|---------------|
| | | T1 (in) | | |
| G49001-0000 | | Captive | | 1 |

Plastic Drain Cock - General Motors




| Part No. | Desc. | | | Standard Pack |
|-------------|-------|-----------|--|---------------|
| | | T1 (in) | | |
| G49002-0000 | | Oversized | | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |


Plastic Drain Cock - Ford (Short) 3



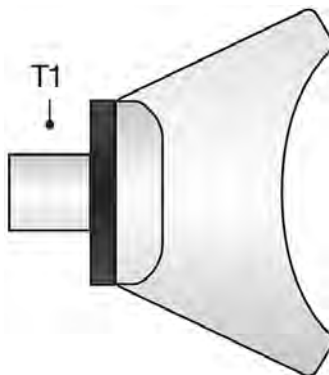
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49003-0000 | | Captive | 1 |


Plastic Drain Cock - Ford (Long) 4



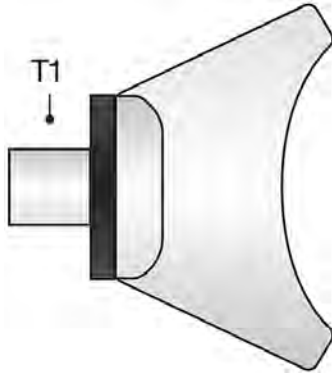
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49004-0000 | | Captive | 1 |


Plastic Drain Cock - Metric Long Stem



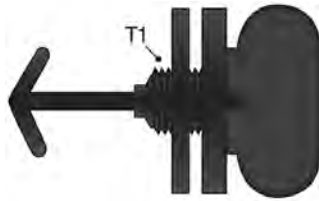
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49005-0000 | | M12X1.25 | 1 |
| G49006-0000 | | M14X1.25 | 1 |
| G49007-0000 | | M10X1.25 | 1 |


Plastic Drain Cock - Metric Short Stem



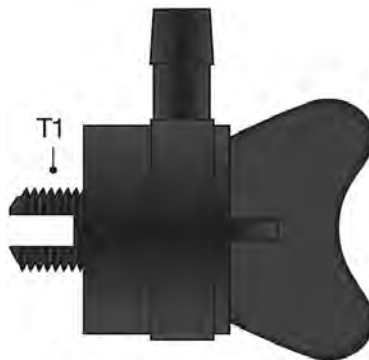
| Part No. | Desc. |  | | Standard Pack |
|-------------|-------|---|--|---------------|
| | | T1 (in) | | |
| G49008-0000 | | M14X1.25 | | 1 |


Plastic Drain Cock - Metric



| Part No. | Desc. |  | | Standard Pack |
|-------------|-------|---|--|---------------|
| | | T1 (in) | | |
| G49009-0000 | | M10X1.25 | | 1 |

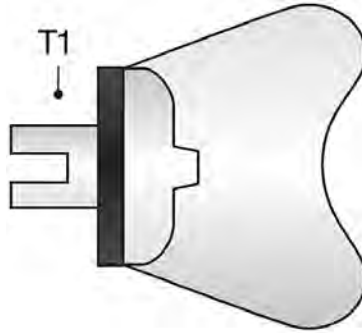
Plastic Drain Cock - Metric Single Bead




| Part No. | Desc. |  | | Standard Pack |
|-------------|-------|---|--|---------------|
| | | T1 (in) | | |
| G49010-0000 | | M12X1.5 | | 1 |

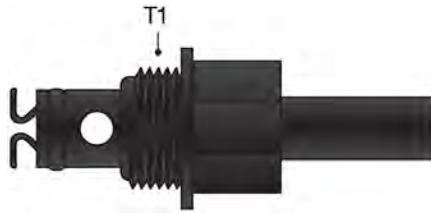
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Plastic Drain Cock - Metric Ford and Mazda



| Part No. | Desc. |  | |
|-------------|-------|---|---------------|
| | | T1 (in) | Standard Pack |
| G49011-0000 | | M10X1.25 | 1 |
| G49012-0000 | | M14X2.0 | 1 |


Plastic Drain Cock - Chrysler Long



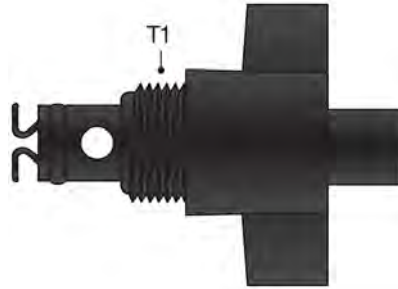
| Part No. | Desc. |  | |
|-------------|-------|---|---------------|
| | | T1 (in) | Standard Pack |
| G49013-0000 | | 5/8-18 | 1 |


Plastic Drain Cock - Metric Ford



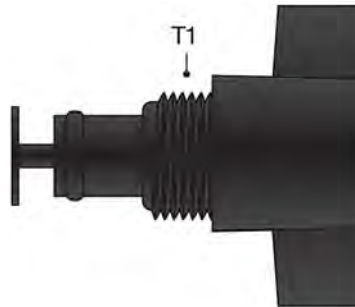
| Part No. | Desc. |  | |
|-------------|-------|---|---------------|
| | | T1 (in) | Standard Pack |
| G49014-0000 | | M14X2.0 | 1 |


Plastic Drain Cock - Chrysler Short



| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49015-0000 | | 5/8-18 | 1 |


Plastic Drain Cock - Chrysler Wide Opening



| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49016-0000 | | 5/8-18 | 1 |

Plastic Drain Cock - GM Black Key Style

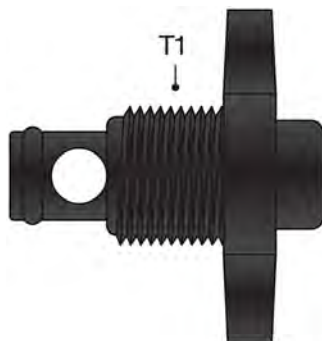



| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49017-0000 | | Captive | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

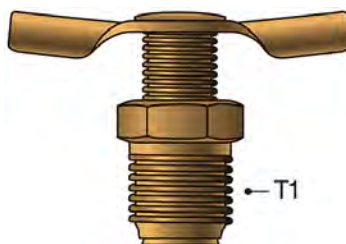
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Plastic Drain Cock - GM



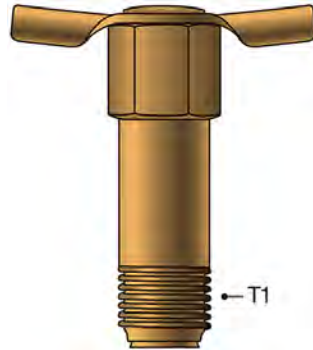
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49018-0000 | | 1/2-18 | 1 |


Drain Cock - Male Pipe Internal Seat



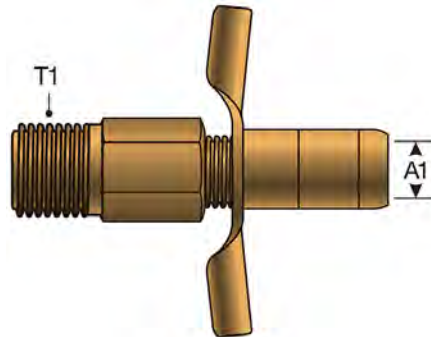
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49129-0004 | | 1/4-18 | 1 |
| G49130-0002 | | 1/8-27 | 1 |
| G49130-0004 | | 1/4-18 | 1 |
| G49130-0006 | | 3/8-18 | 1 |


Drain Cock - Male Pipe to Tube Internal Seat - Long



| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49134-0002 | | 1/8-27 | 1 |

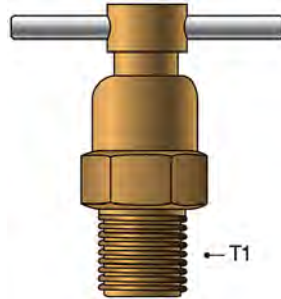
Drain Cock - Male Pipe to Tube Internal Seat - Long Tube




| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------|-----|--|---------------|
| | | " | T1 (in) | |
| G49135-0002 | | 1/8 | 1/8-27 | 1 |

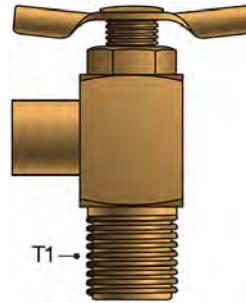
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Drain Cock - Male Pipe Internal Seat - Bibb Nose



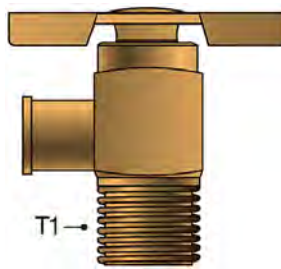
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49136-0002 | | 1/8-27 | 1 |
| G49136-0004 | | 1/4-18 | 1 |
| G49136-0006 | | 3/8-18 | 1 |


Drain Cock 90° - Angle Bib Nose



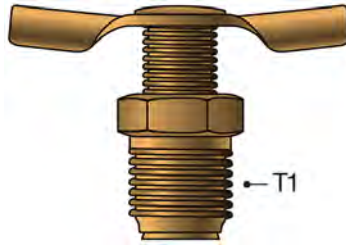
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49137-0002 | | 1/8-27 | 1 |
| G49137-0004 | | 1/4-18 | 1 |


Drain Cock 90° - Single Bead to Male Pipe



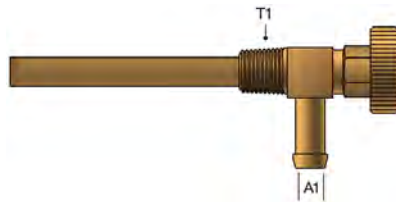
| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49138-0604 | | 1/4-18 | 1 |


Drain Cock - Male Pipe External Seat



| Part No. | Desc. |  | Standard Pack |
|-------------|-------|---|---------------|
| | | T1 (in) | |
| G49140-0002 | | 1/8-27 | 1 |
| G49140-0004 | | 1/4-18 | 1 |
| G49140-0006 | | 3/8-18 | 1 |
| G49140-0008 | | 1/2-14 | 1 |

Gasoline Shut-Off with Screen Filter



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------|-----|--|---------------|
| | | " | T1 (in) | |
| G49255-0402 | | 1/4 | 1/8-27 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES**
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| |
|---|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Recommended For: Fuel lines, fluid lines or vacuum lines in low and medium pressure applications.

Used With: LOC and LOL Hose

Features and Benefits: Lock-On barbed stem fittings are quick connecting and resistant to damage from high vibration diesel applications. Hose clamps or ferrules are not needed or recommended.

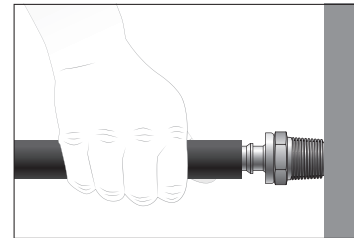
Working Pressure: 300 psi (21 bar)

Temperature Range: -40°F to 250°F (-40°C to +121°C)

Material: 360 Brass

Assembly Instructions:

1. Measure and mark the hose length to be cut. When cutting, be sure to make the cut as even as possible. We recommended using a hand held hose cutter or a sharp knife.
2. Lubricate the hose and/or fittings with light oil or soapy water. Heavy oils or grease are not recommended as a lubricant.
3. Insert fitting until the first barb is in the hose.
4. Place the fitting end against a flat hard surface, such as a work bench, to finish inserting the fitting stem into the hose. You'll need to grip the hose approximately one inch from the end of the fitting and push until the end of the hose is fully over the stem and against the yellow plastic stop cap or the stop below the hex on the fitting. Note: a yellow stop cap is normally part of a Lock-On fitting.

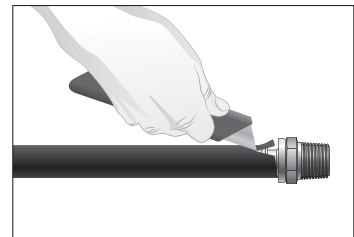


Precautions:

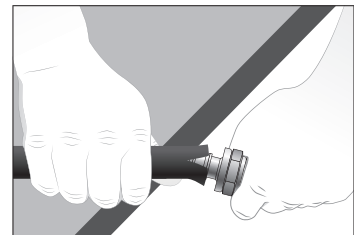
- Make sure the Lock-On fitting is fully inserted into the hose. Lock-On fittings will properly grip hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.
- Using clamps with LOC Lock-On fittings is not recommended. Clamps will damage the seal causing leaks and an unsafe assembly.

Lock-On Fitting and Hose Disassembly Instructions:

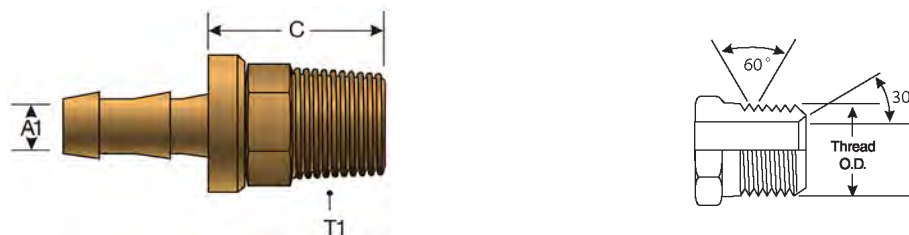
1. Secure the fitting using a vise, sturdy workbench or other stable surface.
2. Starting at the yellow plastic stop cap, carefully cut the hose lengthwise approximately one inch away from the yellow stop cap.



3. Cut slowly, making sure not to nick the fitting barbs.
4. Grip the hose firmly and give it a sharp downward tug away from the fitting to separate the fitting from the hose.

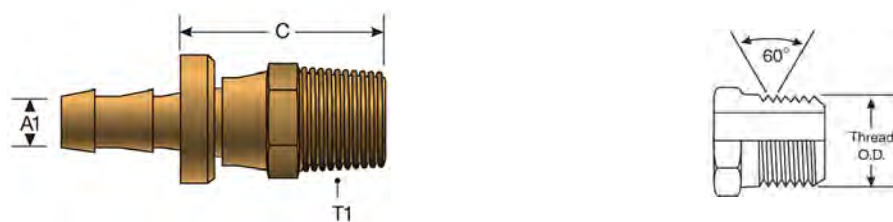


Male Pipe with Cone Seat



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|-------------|------|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36100-0402 | 4LOC-2RMP | 1/4 | 6.4 | 1/8-27 | .56 | 14.2 | 1 |
| G36100-0404 | 4LOC-4RMP | 1/4 | 6.4 | 1/4-18 | .81 | 20.6 | 1 |
| G36100-0406 | 4LOC-6RMP | 1/4 | 6.4 | 3/8-18 | .88 | 22.4 | 1 |
| G36100-0502 | 5LOC-2RMP | 5/16 | 7.9 | 1/8-27 | .81 | 20.6 | 1 |
| G36100-0504 | 5LOC-4RMP | 5/16 | 7.9 | 1/4-18 | .77 | 19.6 | 1 |
| G36100-0602 | 6LOC-2RMP | 3/8 | 9.5 | 1/8-27 | .56 | 14.2 | 1 |
| G36100-0604 | 6LOC-4RMP | 3/8 | 9.5 | 1/4-18 | .81 | 20.6 | 1 |
| G36100-0606 | 6LOC-6RMP | 3/8 | 9.5 | 3/8-18 | .88 | 22.4 | 1 |
| G36100-0608 | 6LOC-8RMP | 3/8 | 9.5 | 1/2-14 | .88 | 22.4 | 1 |
| G36100-0804 | 8LOC-4RMP | 1/2 | 12.7 | 1/4-18 | .81 | 20.6 | 1 |
| G36100-0806 | 8LOC-6RMP | 1/2 | 12.7 | 3/8-18 | .88 | 22.4 | 1 |
| G36100-0808 | 8LOC-8RMP | 1/2 | 12.7 | 1/2-14 | .88 | 22.4 | 1 |
| G36100-0812 | 8LOC-12RMP | 1/2 | 12.7 | 3/4-14 | 1.13 | 28.7 | 1 |
| G36100-1006 | 10LOC-6RMP | 5/8 | 15.9 | 3/8-18 | .88 | 22.4 | 1 |
| G36100-1008 | 10LOC-8RMP | 5/8 | 15.9 | 1/2-14 | 1.06 | 26.9 | 1 |
| G36100-1012 | 10LOC-12RMP | 5/8 | 15.9 | 3/4-14 | .88 | 22.4 | 1 |
| G36100-1208 | 12LOC-8RMP | 3/4 | 19.1 | 1/2-14 | .88 | 22.4 | 1 |
| G36100-1212 | 12LOC-12RMP | 3/4 | 19.1 | 3/4-14 | 1.13 | 28.7 | 1 |

Male Pipe Swivel without Cone Seat



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|--------------|-----|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36105-0404 | 4LOC-4RMPX | 1/4 | 6.4 | 1/4-18 | 1.81 | 46.0 | 1 |
| G36105-0606 | 6LOC-6RMPX | 3/8 | 9.5 | 3/8-18 | 2.00 | 50.8 | 1 |
| G36105-0808 | 8LOC-8RMPX | 1/2 | 12.7 | 1/2-14 | 2.38 | 60.5 | 1 |
| G36105-1212 | 12LOC-12RMPX | 3/4 | 19.1 | 3/4-14 | 2.68 | 68.1 | 1 |

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE FLARE

THREADED SLEEVE

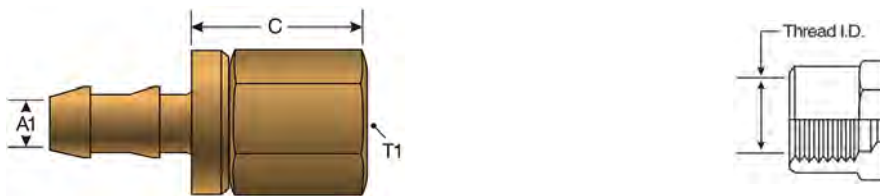
KITS & ASSORTMENTS

Male Pipe 90° Block with Cone Seat



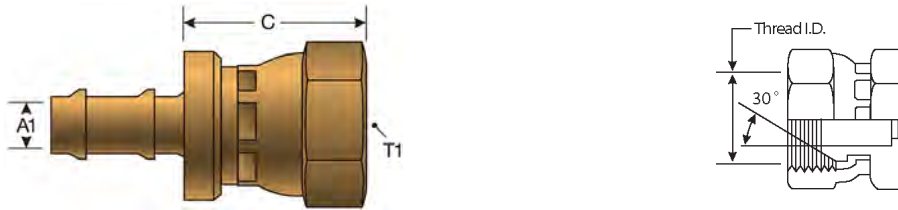
| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|---------------|------|------|---------|-----|------|---------------|
| | | " | mm | | " | mm | |
| G36106-0402 | 4LOC-2RMP90 | 1/4 | 6.4 | 1/8-27 | .31 | 7.9 | 1 |
| G36106-0404 | 4LOC-4RMP90 | 1/4 | 6.4 | 1/4-18 | .38 | 9.7 | 1 |
| G36106-0502 | 5LOC-2RMP90 | 5/16 | 7.9 | 1/8-27 | .31 | 7.9 | 1 |
| G36106-0504 | 5LOC-4RMP90 | 5/16 | 7.9 | 1/4-18 | .38 | 9.7 | 1 |
| G36106-0602 | 6LOC-2RMP90 | 3/8 | 9.5 | 1/8-27 | .38 | 9.7 | 1 |
| G36106-0604 | 6LOC-4RMP90 | 3/8 | 9.5 | 1/4-18 | .40 | 10.2 | 1 |
| G36106-0606 | 6LOC-6RMP90 | 3/8 | 9.5 | 3/8-18 | .43 | 10.9 | 1 |
| G36106-0808 | 8LOC-8RMP90 | 1/2 | 12.7 | 1/2-14 | .50 | 12.7 | 1 |
| G36106-1212 | 12LOC-12RMP90 | 3/4 | 19.1 | 3/4-14 | .76 | 19.3 | 1 |

Female Pipe without Cone Seat



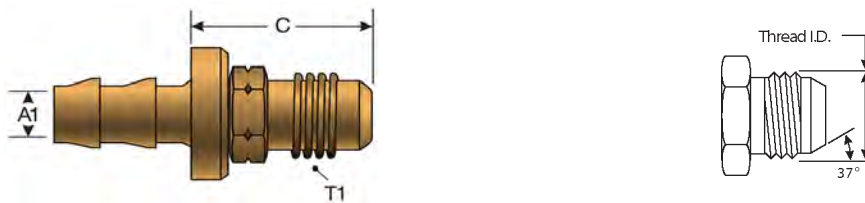
| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|-------------|------|------|---------|-----|------|---------------|
| | | " | mm | | " | mm | |
| G36110-0404 | 4LOC-4RFP | 1/4 | 6.4 | 1/4-18 | .50 | 12.7 | 1 |
| G36110-0504 | 5LOC-4RFP | 5/16 | 7.9 | 1/4-18 | .50 | 12.7 | 1 |
| G36110-0606 | 6LOC-6RFP | 3/8 | 9.5 | 3/8-18 | .63 | 16.0 | 1 |
| G36110-0806 | 8LOC-6RFP | 1/2 | 12.7 | 3/8-18 | .63 | 16.0 | 1 |
| G36110-0808 | 8LOC-8RFP | 1/2 | 12.7 | 1/2-14 | .75 | 19.1 | 1 |
| G36110-1008 | 10LOC-8RFP | 5/8 | 15.9 | 1/2-14 | .75 | 19.1 | 1 |
| G36110-1212 | 12LOC-12RFP | 3/4 | 19.1 | 3/4-14 | .93 | 23.6 | 1 |

Female Pipe Swivel with Cone Seat



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|--------------|-----|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36111-0402 | 4LOC-2RFPX | 1/4 | 6.4 | 1/8-27 | 1.81 | 46.0 | 1 |
| G36111-0404 | 4LOC-4RFPX | 1/4 | 6.4 | 1/4-18 | 1.81 | 46.0 | 1 |
| G36111-0406 | 4LOC-6RFPX | 1/4 | 6.4 | 3/8-18 | 2.00 | 50.8 | 1 |
| G36111-0604 | 6LOC-4RFPX | 3/8 | 9.5 | 1/4-18 | 1.81 | 46.0 | 1 |
| G36111-0606 | 6LOC-6RFPX | 3/8 | 9.5 | 3/8-18 | 2.00 | 50.8 | 1 |
| G36111-0608 | 6LOC-8RFPX | 3/8 | 9.5 | 1/2-14 | 2.38 | 60.5 | 1 |
| G36111-0808 | 8LOC-8RFPX | 1/2 | 12.7 | 1/2-14 | 2.38 | 60.5 | 1 |
| G36111-0812 | 8LOC-12RFPX | 1/2 | 12.7 | 3/4-14 | 2.68 | 68.1 | 1 |
| G36111-1012 | 10LOC-12RFPX | 5/8 | 15.9 | 3/4-14 | 2.68 | 68.1 | 1 |
| G36111-1212 | 12LOC-12RFPX | 3/4 | 19.1 | 3/4-14 | 2.68 | 68.1 | 1 |

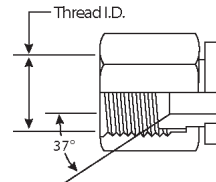
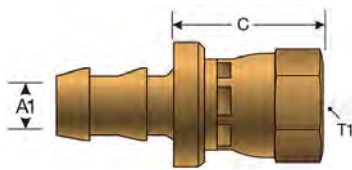
Male JIC 37° Flare



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|-------------|-----|------|-----------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36165-0404 | 4LOC-4RMJ | 1/4 | 6.4 | 7/16-20 | .81 | 20.6 | 1 |
| G36165-0405 | 4LOC-5RMJ | 1/4 | 6.4 | 1/2-20 | .94 | 23.9 | 1 |
| G36165-0406 | 4LOC-6RMJ | 1/4 | 6.4 | 9/16-18 | 1.00 | 25.4 | 1 |
| G36165-0604 | 6LOC-4RMJ | 3/8 | 9.5 | 7/16-20 | .88 | 22.4 | 1 |
| G36165-0605 | 6LOC-5RMJ | 3/8 | 9.5 | 1/2-20 | .94 | 23.9 | 1 |
| G36165-0606 | 6LOC-6RMJ | 3/8 | 9.5 | 9/16-18 | 1.00 | 25.4 | 1 |
| G36165-0608 | 6LOC-8RMJ | 3/8 | 9.5 | 3/4-16 | 1.19 | 30.2 | 1 |
| G36165-0808 | 8LOC-8RMJ | 1/2 | 12.7 | 3/4-16 | 1.19 | 30.2 | 1 |
| G36165-0810 | 8LOC-10RMJ | 1/2 | 12.7 | 7/8-14 | 1.27 | 32.3 | 1 |
| G36165-1008 | 10LOC-8RMJ | 5/8 | 15.9 | 3/4-16 | 1.19 | 30.2 | 1 |
| G36165-1010 | 10LOC-10RMJ | 5/8 | 15.9 | 7/8-14 | 1.27 | 32.3 | 1 |
| G36165-1210 | 12LOC-10RMJ | 3/4 | 19.1 | 7/8-14 | 1.27 | 32.3 | 1 |
| G36165-1212 | 12LOC-12RMJ | 3/4 | 19.1 | 1 1/16-12 | 1.33 | 33.8 | 1 |

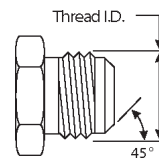
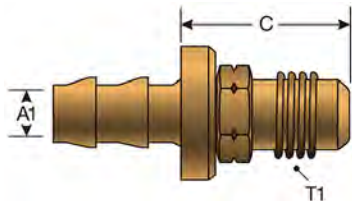
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Female JIC 37° Flare Swivel



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|--------------|-----|------|-----------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36170-0406 | 4LOC-6RFJX | 1/4 | 6.4 | 9/16-18 | .74 | 18.8 | 1 |
| G36170-0606 | 6LOC-6RFJX | 3/8 | 9.5 | 9/16-18 | .81 | 20.6 | 1 |
| G36170-1212 | 12LOC-12RFJX | 3/4 | 19.1 | 1 1/16-12 | 1.09 | 27.7 | 1 |

Male SAE 45° Flare



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|-------------|------|------|-----------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36195-0404 | 4LOC-4RMS | 1/4 | 6.4 | 7/16-20 | .69 | 17.5 | 1 |
| G36195-0405 | 4LOC-5RMS | 1/4 | 6.4 | 1/2-20 | .38 | 9.7 | 1 |
| G36195-0406 | 4LOC-6RMS | 1/4 | 6.4 | 5/8-18 | .88 | 22.4 | 1 |
| G36195-0505 | 5LOC-5RMS | 5/16 | 7.9 | 1/2-20 | .81 | 20.6 | 1 |
| G36195-0604 | 6LOC-4RMS | 3/8 | 9.5 | 7/16-20 | .69 | 17.5 | 1 |
| G36195-0605 | 6LOC-5RMS | 3/8 | 9.5 | 1/2-20 | .81 | 20.6 | 1 |
| G36195-0606 | 6LOC-6RMS | 3/8 | 9.5 | 5/8-18 | .88 | 22.4 | 1 |
| G36195-0608 | 6LOC-8RMS | 3/8 | 9.5 | 3/4-16 | 1.31 | 33.3 | 1 |
| G36195-0808 | 8LOC-8RMS | 1/2 | 12.7 | 3/4-16 | 1.13 | 28.7 | 1 |
| G36195-0810 | 8LOC-10RMS | 1/2 | 12.7 | 7/8-14 | 1.27 | 32.3 | 1 |
| G36195-1008 | 10LOC-8RMS | 5/8 | 15.9 | 3/4-16 | 1.13 | 28.7 | 1 |
| G36195-1010 | 10LOC-10RMS | 5/8 | 15.9 | 7/8-14 | 1.27 | 32.3 | 1 |
| G36195-1210 | 12LOC-10RMS | 3/4 | 19.1 | 7/8-14 | 1.27 | 32.3 | 1 |
| G36195-1212 | 12LOC-12RMS | 3/4 | 19.1 | 1 1/16-14 | 1.83 | 46.5 | 1 |

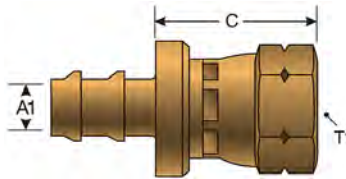
Female SAE 45° Flare Swivel



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|--------------|------------------|------|------|-----------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36200-0406 | 4LOC-6RFSX | 1/4 | 6.4 | 5/8-18 | .69 | 17.5 | 1 |
| G36200-0506 | 5LOC-6RFSX* | 5/16 | 7.9 | 5/8-18 | .81 | 20.6 | 1 |
| G36200-0606 | 6LOC-6RFSX | 3/8 | 9.5 | 5/8-18 | .84 | 21.3 | 1 |
| G36200-0606X | 6LOC-6RFSX XBULK | 3/8 | 9.5 | 5/8-18 | .84 | 21.3 | 100 |
| G36200-0806 | 8LOC-6RFSX | 1/2 | 12.7 | 5/8-18 | .84 | 21.3 | 1 |
| G36200-1212 | 12LOC-12RFSX | 3/4 | 19.1 | 1 1/16-14 | 1.09 | 27.7 | 1 |

*Steel

Dual Seat Female JIC 37°/SAE 45° Flare Swivel



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|---------------|------|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36210-0404 | 4LOC-4RFJSX | 1/4 | 6.4 | 7/16-20 | .75 | 19.1 | 1 |
| G36210-0405 | 4LOC-5RFJSX | 1/4 | 6.4 | 1/2-20 | .78 | 19.8 | 1 |
| G36210-0505 | 5LOC-5RFJSX* | 5/16 | 7.9 | 1/2-20 | .81 | 20.6 | 1 |
| G36210-0605 | 6LOC-5RFJSX | 3/8 | 9.5 | 1/2-20 | .81 | 20.6 | 1 |
| G36210-0608 | 6LOC-8RFJSX | 3/8 | 9.5 | 3/4-16 | .97 | 24.6 | 1 |
| G36210-0808 | 8LOC-8RFJSX | 1/2 | 12.7 | 3/4-16 | .97 | 24.6 | 1 |
| G36210-0810 | 8LOC-10RFJSX | 1/2 | 12.7 | 7/8-14 | 1.00 | 25.4 | 1 |
| G36210-1010 | 10LOC-10RFJSX | 5/8 | 15.9 | 7/8-14 | 1.00 | 25.4 | 1 |
| G36210-1210 | 12LOC-10RFJSX | 3/4 | 19.1 | 7/8-14 | 1.00 | 25.4 | 1 |

*Steel

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

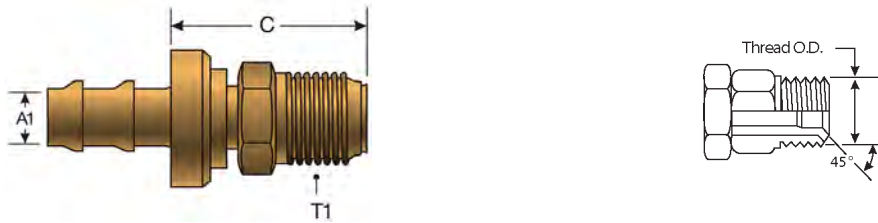
PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Male SAE Inverted Flare Swivel



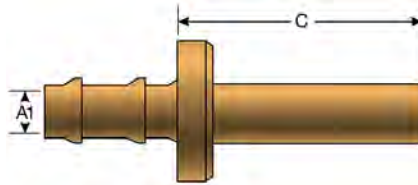
| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|--------------|------|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G36500-0403 | 4LOC-3RMIX | 1/4 | 6.4 | 3/8-24 | .78 | 19.8 | 1 |
| G36500-0404 | 4LOC-4RMIX | 1/4 | 6.4 | 7/16-24 | .78 | 19.8 | 1 |
| G36500-0405 | 4LOC-5RMIX | 1/4 | 6.4 | 1/2-20 | .78 | 19.8 | 1 |
| G36500-0504 | 5LOC-4RMIX | 5/16 | 7.9 | 1/2-20 | .78 | 19.8 | 1 |
| G36500-0505 | 5LOC-5RMIX | 5/16 | 7.9 | 1/2-20 | .82 | 20.8 | 1 |
| G36500-0506 | 5LOC-6RMIX | 5/16 | 7.9 | 5/8-18 | .86 | 21.8 | 1 |
| G36500-0605 | 6LOC-5RMIX | 3/8 | 9.5 | 1/2-20 | .82 | 20.8 | 1 |
| G36500-0606 | 6LOC-6RMIX | 3/8 | 9.5 | 5/8-18 | .97 | 24.6 | 1 |
| G36500-0608 | 6LOC-8RMIX | 3/8 | 9.5 | 3/4-18 | 1.00 | 25.4 | 1 |
| G36500-0806 | 8LOC-6RMIX | 1/2 | 12.7 | 5/8-18 | .97 | 24.6 | 1 |
| G36500-0808 | 8LOC-8RMIX | 1/2 | 12.7 | 3/4-18 | 1.00 | 25.4 | 1 |
| G36500-1010 | 10LOC-10RMIX | 5/8 | 15.9 | 7/8-18 | 1.00 | 25.4 | 1 |

Female SAE Inverted Flare



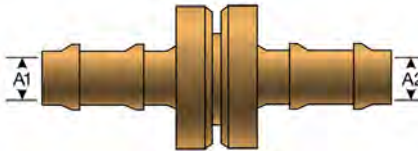
| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|-----------|------|------|---------|-----|------|---------------|
| | | " | mm | | " | mm | |
| G36508-0403 | 4LOC-3RFI | 1/4 | 6.4 | 3/8-24 | .75 | 19.1 | 1 |
| G36508-0404 | 4LOC-4RFI | 1/4 | 6.4 | 7/16-24 | .75 | 19.1 | 1 |
| G36508-0405 | 4LOC-5RFI | 1/4 | 6.4 | 1/2-20 | .75 | 19.1 | 1 |
| G36508-0505 | 5LOC-5RFI | 5/16 | 7.9 | 1/2-20 | .75 | 19.1 | 1 |
| G36508-0605 | 6LOC-5RFI | 3/8 | 9.5 | 1/2-20 | .75 | 19.1 | 1 |
| G36508-0606 | 6LOC-6RFI | 3/8 | 9.5 | 5/8-18 | .88 | 22.4 | 1 |
| G36508-0808 | 8LOC-8RFI | 1/2 | 12.7 | 5/8-18 | .93 | 23.6 | 1 |

North American Stand Pipe



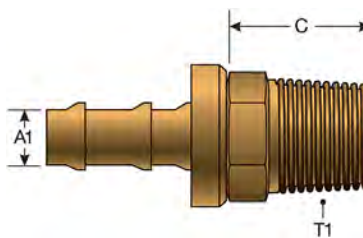
| Part No. | Desc. | A1 | | C | | Standard Pack |
|-------------|-------------|------|------|------|------|---------------|
| | | " | mm | " | mm | |
| G36520-0403 | 4LOC-3RFT | 1/4 | 6.4 | .75 | 19.1 | 1 |
| G36520-0404 | 4LOC-4RFT | 1/4 | 6.4 | 1.00 | 25.4 | 1 |
| G36520-0405 | 4LOC-5RFT | 1/4 | 6.4 | 1.13 | 28.7 | 1 |
| G36520-0505 | 5LOC-5RFT | 5/16 | 7.9 | 1.13 | 28.7 | 1 |
| G36520-0606 | 6LOC-6RSP | 3/8 | 9.5 | 1.25 | 31.8 | 1 |
| G36520-0808 | 8LOC-8RSP | 1/2 | 12.7 | 1.00 | 25.4 | 1 |
| G36520-1010 | 10LOC-10RSP | 5/8 | 15.9 | 1.00 | 25.4 | 1 |

Hose Length Extenders



| Part No. | Desc. | A1 | A2 | Standard Pack |
|--------------|----------------|------|------|---------------|
| | | " | " | |
| G36535-0404 | 4LOC-4RHM | 1/4 | 1/4 | 1 |
| G36535-0505 | 5LOC-5RHM | 5/16 | 5/16 | 1 |
| G36535-0606 | 6LOC-6RHM | 3/8 | 3/8 | 1 |
| G36535-0808 | 8LOC-8RHM | 1/2 | 1/2 | 1 |
| G36535-0808X | 8LOC-8RHMXBULK | 1/2 | 1/2 | 30 |
| G36535-1010 | 10LOC-10RHM | 5/8 | 5/8 | 1 |
| G36535-1212 | 12LOC-12RHM | 3/4 | 3/4 | 1 |

Male British Standard Pipe Tapered



| Part No. | Desc. | A1 | | T1 (in) | C | | Standard Pack |
|-------------|-------------|------|-----|---------|-----|------|---------------|
| | | " | mm | | " | mm | |
| G36795-0504 | 5LOC-4MBSPT | 5/16 | 7.9 | 1/4-19 | .63 | 16.0 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Recommended For: Low pressure fuel, oil, compressed air and water lines used in small engines, vacuum advance and evaporative emission control systems.

Used With: Low pressure hose such as multi-purpose or general purpose hose.

Features and Benefits: Single bead fittings are quick connecting, field attachable and reusable. An economical choice for general purpose fluid applications. Single bead is sometimes referred to as beaded nipple.

Conformance: Contact Gates to verify compliance to desired specifications and suitability for particular applications.

Working Pressure: 60 psi (4 bar)

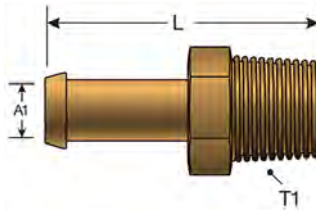
Temperature Range: -40°F to +250°F (-40°C to +121°C)

Material: 360 Brass

Assembly Instructions:

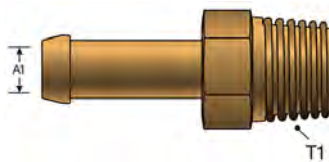
1. Cut hose as straight as possible.
2. Slide clamp on hose then lubricate hose or fitting.
3. Push hose on fitting until hose bottoms against hex or stop ring.
4. Position hose clamp between fitting bead on stem and end of hose and tighten.
5. Hose clamps required.

Male Pipe with Cone Seat



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|------------|------|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37100-0302 | 3SB-2RMP | 3/16 | 4.8 | 1/8-27 | 1.26 | 32.0 | 1 |
| G37100-0402 | 4SB-2RMP | 1/4 | 6.4 | 1/8-27 | 1.32 | 33.5 | 1 |
| G37100-0404 | 4SB-4RMP | 1/4 | 6.4 | 1/4-18 | 1.63 | 41.4 | 1 |
| G37100-0502 | 5SB-2RMP | 5/16 | 7.9 | 1/8-27 | 1.55 | 39.4 | 1 |
| G37100-0504 | 5SB-4RMP | 5/16 | 7.9 | 1/4-18 | 1.55 | 39.4 | 1 |
| G37100-0602 | 6SB-2RMP | 3/8 | 9.7 | 1/8-27 | 1.55 | 39.4 | 1 |
| G37100-0604 | 6SB-4RMP | 3/8 | 9.7 | 1/4-18 | 1.63 | 41.4 | 1 |
| G37100-0606 | 6SB-6RMP | 3/8 | 9.7 | 3/8-18 | 1.72 | 43.7 | 1 |
| G37100-0806 | 8SB-6RMP | 1/2 | 12.7 | 3/8-18 | 1.72 | 43.7 | 1 |
| G37100-0808 | 8SB-8RMP | 1/2 | 12.7 | 1/2-14 | 1.79 | 45.5 | 1 |
| G37100-1006 | 10SB-6RMP | 5/8 | 15.9 | 3/8-18 | 1.78 | 45.2 | 1 |
| G37100-1008 | 10SB-8RMP | 5/8 | 15.9 | 1/2-14 | 1.78 | 45.2 | 1 |
| G37100-1012 | 10SB-12RMP | 5/8 | 15.9 | 3/4-14 | 1.92 | 48.8 | 1 |
| G37100-1208 | 12SB-8RMP | 3/4 | 19.1 | 1/2-14 | 1.78 | 45.2 | 1 |
| G37100-1212 | 12SB-12RMP | 3/4 | 19.1 | 3/4-14 | 1.92 | 48.8 | 1 |

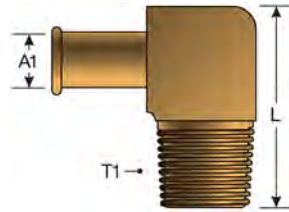
Male Straight Thread Connector



| Part No. | Desc. | A1 | | T1 (in) | Standard Pack |
|-------------|-----------|-----|-----|---------|---------------|
| | | " | mm | | |
| G37103-0609 | 6SB-9MSC | 3/8 | 9.7 | 9/16-24 | 1 |
| G37103-0610 | 6SB-10MSC | 3/8 | 9.7 | 5/8-20 | 1 |
| G37103-0614 | 6SB-14MSC | 3/8 | 9.7 | 7/8-20 | 1 |

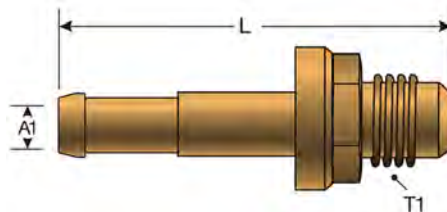
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD**
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Male Pipe 90° Block Cone Seat



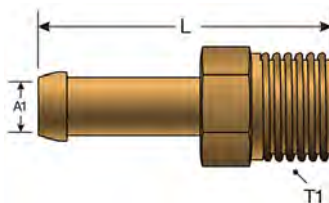
| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-------------|------|------|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37106-0402 | 4SB-2RMP90 | 1/4 | 6.4 | 1/8-27 | 1.00 | 25.4 | 1 |
| G37106-0502 | 5SB-2RMP90 | 5/16 | 7.9 | 1/8-27 | 1.01 | 25.7 | 1 |
| G37106-0504 | 5SB-4RMP90 | 5/16 | 7.9 | 1/4-18 | 1.01 | 25.7 | 1 |
| G37106-0602 | 6SB-2RMP90 | 3/8 | 9.7 | 1/8-27 | 1.01 | 25.7 | 1 |
| G37106-0604 | 6SB-4RMP90 | 3/8 | 9.7 | 1/4-18 | 1.04 | 26.4 | 1 |
| G37106-0606 | 6SB-6RMP90 | 3/8 | 9.7 | 3/8-14 | 1.08 | 27.4 | 1 |
| G37106-0806 | 8SB-6RMP90 | 1/2 | 12.7 | 3/8-14 | 1.08 | 27.4 | 1 |
| G37106-0808 | 8SB-8RMP90 | 1/2 | 12.7 | 1/2-14 | 1.16 | 29.5 | 1 |
| G37106-1006 | 10SB-6RMP90 | 5/8 | 15.9 | 3/8-18 | 1.13 | 28.7 | 1 |
| G37106-1008 | 10SB-8RMP90 | 5/8 | 15.9 | 1/2-14 | 1.21 | 30.7 | 1 |
| G37106-1208 | 12SB-8RMP90 | 3/4 | 19.1 | 1/2-14 | 1.28 | 32.5 | 1 |

Male SAE 45° Flare Connector



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|----------|-----|-----|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37195-0605 | 6SB-5RMS | 3/8 | 9.7 | 1/2-20 | 2.00 | 50.8 | 1 |
| G37195-0606 | 6SB-6RMS | 3/8 | 9.7 | 3/8-18 | 2.00 | 50.8 | 1 |

Male SAE Inverted Flare Swivel

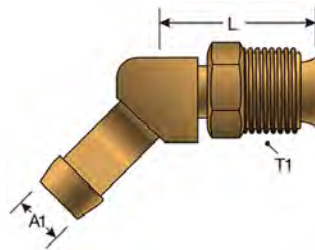


| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-----------|-----|-----|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37500-0404 | 4SB-4RMIX | 1/4 | 6.4 | 7/16-24 | 1.72 | 43.7 | 1 |

Male SAE Inverted Flare Swivel - Continued

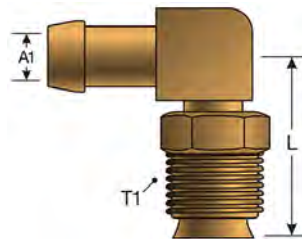
| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-----------|------|-----|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37500-0405 | 4SB-5RMIX | 1/4 | 6.4 | 1/2-20 | 1.78 | 45.2 | 1 |
| G37500-0504 | 5SB-4RMIX | 5/16 | 7.9 | 7/16-24 | 1.58 | 40.1 | 1 |
| G37500-0505 | 5SB-5RMIX | 5/16 | 7.9 | 1/2-20 | 1.58 | 40.1 | 1 |
| G37500-0506 | 5SB-6RMIX | 5/16 | 7.9 | 5/8-18 | 1.63 | 41.4 | 1 |
| G37500-0605 | 6SB-5RMIX | 3/8 | 9.7 | 1/2-20 | 1.73 | 44.0 | 1 |
| G37500-0606 | 6SB-6RMIX | 3/8 | 9.7 | 5/8-18 | 2.00 | 50.8 | 1 |

Male SAE Inverted Flare Swivel - 45°



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-------------|-----|-----|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37503-0605 | 6SB-5RMIX45 | 3/8 | 9.7 | 1/2-20 | 1.25 | 31.8 | 1 |

Male SAE Inverted Flare Swivel - 90°



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|-------------|------|-----|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37504-0404 | 4SB-4RMIX90 | 1/4 | 6.4 | 7/16-24 | 1.01 | 25.7 | 1 |
| G37504-0405 | 4SB-5RMIX90 | 1/4 | 6.4 | 1/2-20 | 1.01 | 25.7 | 1 |
| G37504-0506 | 5SB-6RMIX90 | 5/16 | 7.9 | 5/8-18 | 1.21 | 30.7 | 1 |
| G37504-0605 | 6SB-5RMIX90 | 3/8 | 9.7 | 1/2-20 | 1.21 | 30.7 | 1 |
| G37504-0606 | 6SB-6RMIX90 | 3/8 | 9.7 | 5/8-18 | 1.40 | 35.6 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

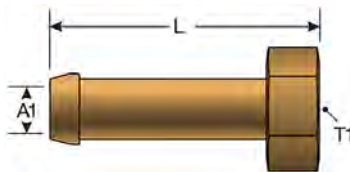
PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Female SAE Inverted Flare



| Part No. | Desc. | A1 | | T1 (in) | L | | Standard Pack |
|-------------|----------|------|-----|---------|------|------|---------------|
| | | " | mm | | " | mm | |
| G37508-0505 | 5SB-5RFI | 5/16 | 7.9 | 1/2-20 | 2.03 | 51.6 | 1 |
| G37508-0605 | 6SB-5RFI | 3/8 | 9.7 | 1/2-20 | 2.09 | 53.1 | 1 |
| G37508-0606 | 6SB-6RFI | 3/8 | 9.7 | 5/8-18 | 2.16 | 54.9 | 1 |

- AIR BRAKE NYLON TUBING
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- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD**
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Recommended For: Low pressure fuel, oil, compressed air, water and cooling lines. Typically used in heavy-duty truck, construction, industrial and mobile applications.

Used With: Low pressure multi-purpose or general purpose rubber hose and thermoplastic tubing.

Features and Benefits: Field attachable and reusable. An economical choice for general purpose fluid and pneumatic applications. The one-piece fitting is compact and great for use in tight spaces.

Conformance: Contact Gates to verify compliance to desired specifications and suitability for particular applications.

Working Pressure: 150 psi (10 bar)

Temperature Range: -40°F to +160°F (-40°C to +71°C)

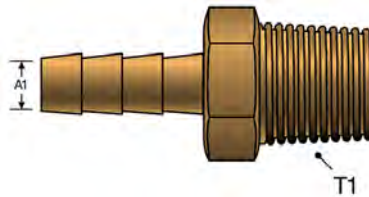
Material: 360 Brass

Assembly Instructions:

1. Cut hose as straight as is possible.
2. Slide clamp on hose, then lubricate hose.
3. Push hose on fitting until hose bottoms against hex or stop ring.
4. Position hose clamp between fitting end and end of hose. Tighten the clamp.
5. Hose clamps are recommended when using a barbed stem.

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |


Male Pipe NPTF with Cone Seat



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-----------|------|---|---------------|
| | | " | T1 (in) | |
| G38100-0202 | 2BS-2MP | 1/8 | 1/8-27 | 1 |
| G38100-0302 | 3BS-2MP | 3/16 | 1/8-27 | 1 |
| G38100-0304 | 3BS-4MP | 3/16 | 1/4-18 | 1 |
| G38100-0402 | 4BS-2MP | 1/4 | 1/8-27 | 1 |
| G38100-0404 | 4BS-4MP | 1/4 | 1/4-18 | 1 |
| G38100-0406 | 4BS-6MP | 1/4 | 3/8-18 | 1 |
| G38100-0502 | 5BS-2MP | 5/16 | 1/8-27 | 1 |
| G38100-0504 | 5BS-4MP | 5/16 | 1/4-18 | 1 |
| G38100-0602 | 6BS-2MP | 3/8 | 1/8-27 | 1 |
| G38100-0604 | 6BS-4MP | 3/8 | 1/4-18 | 1 |
| G38100-0606 | 6BS-6MP | 3/8 | 3/8-18 | 1 |
| G38100-0608 | 6BS-8MP | 3/8 | 1/2-14 | 1 |
| G38100-0804 | 8BS-4MP | 1/2 | 1/4-18 | 1 |
| G38100-0806 | 8BS-6MP | 1/2 | 3/8-18 | 1 |
| G38100-0808 | 8BS-8MP | 1/2 | 1/2-14 | 1 |
| G38100-0812 | 8BS-12MP | 1/2 | 3/4-14 | 1 |
| G38100-1006 | 10BS-6MP | 5/8 | 3/8-18 | 1 |
| G38100-1008 | 10BS-8MP | 5/8 | 1/2-14 | 1 |
| G38100-1012 | 10BS-12MP | 5/8 | 3/4-14 | 1 |
| G38100-1208 | 12BS-8MP | 3/4 | 1/2-14 | 1 |
| G38100-1212 | 12BS-12MP | 3/4 | 3/4-14 | 1 |

Female Pipe NPTF



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|---------|------|---|---------------|
| | | " | T1 (in) | |
| G38110-0202 | 2BS-2FP | 1/8 | 1/8-27 | 1 |
| G38110-0302 | 3BS-2FP | 3/16 | 1/8-27 | 1 |
| G38110-0402 | 4BS-2FP | 1/4 | 1/8-27 | 1 |
| G38110-0404 | 4BS-4FP | 1/4 | 1/4-18 | 1 |
| G38110-0502 | 5BS-2FP | 5/16 | 1/8-27 | 1 |
| G38110-0504 | 5BS-4FP | 5/16 | 1/4-18 | 1 |
| G38110-0602 | 6BS-2FP | 3/8 | 1/8-27 | 1 |
| G38110-0604 | 6BS-4FP | 3/8 | 1/4-18 | 1 |
| G38110-0606 | 6BS-6FP | 3/8 | 3/8-18 | 1 |
| G38110-0804 | 8BS-4FP | 1/2 | 1/4-18 | 1 |
| G38110-0806 | 8BS-6FP | 1/2 | 3/8-18 | 1 |
| G38110-0808 | 8BS-8FP | 1/2 | 1/2-14 | 1 |

Recommended For: Hydraulic brake, fuel and oil lines, refrigerant in engine, air conditioning, marine and mobile applications. Products for use in LP and natural gas applications require special order.

Used With: Aluminum, brass, copper and steel tubing that can be flared.

Features and Benefits: An economical and reusable solution that can be field installed. Threads and seats can be assembled and disassembled for long service life. Tighter tube bends can be achieved using a short nut (brass or steel), whereas a long nut is recommended in applications where excessive, high vibration exists.

Conformance: Meets functional requirements of SAE J512 and specifications/standards of ASA, ASME, SAE and MS (Military Standards). Underwriters Laboratories listed (available special order only) for fuel equipment and gas.

Working Pressure: Dependent upon the tubing size (See below chart).

| Tube O.D. (in) | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 7/8 | 1 |
|----------------|---------|--------|---------|--------|--------|----------|--------|--------|-----------|-----------|-----------|
| Thread Size | 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 | 1-3/16-16 | 1-5/16-16 |
| PSI* | 2800 | 1900 | 1400 | 1200 | 1000 | 875 | 750 | 650 | 550 | 450 | 350 |

*Lists typical PSI values at 73°F (23°C)

Burst Pressure: 5,000 psi with Bundy weld tubing (double-flared) and 3,500 psi with copper tubing, depending on size.

Temperature Range: -65°F to +250°F (-53°C to +121°C)

Material: 360 Brass

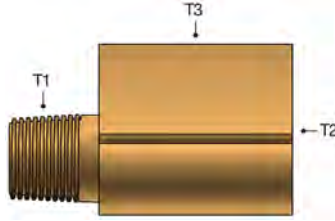
Assembly Instructions:


1. Measure and cut the tubing as straight as is possible to desired length.
2. Slide nut over the tubing, with threaded end of nut must face out, toward the tubing end to be flared.
3. Flare end of tube with a 45° flaring tool.
 - a) Measure the flare diameter and inspect for excessive thin out of the flare.
 - b) On thin wall, welded or brazed tubing, use double flare to prevent pinch-off and cracked flares.
4. Lubricate threads and assemble to connector body. Nut should be turned hand tight.
5. Tighten assembly with a wrench until a solid feeling and resistance is felt. Apply a one-sixth turn.

Caution: Do not over torque or you may damage the connectors or split the tubing at the flare.

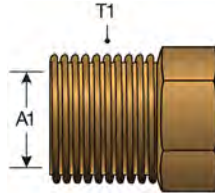
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
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- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Male Pipe to Female Pipe to Female Inverted Split Run Tee



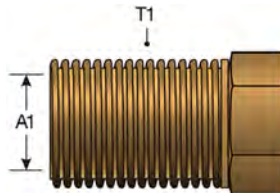
| Part No. | Desc. |  | | | Standard Pack |
|-------------|-------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G49375-0204 | | 1/8-27 | 1/8-27 | 3/8-24 | 1 |


Male Inverted Tube Nut - Steel



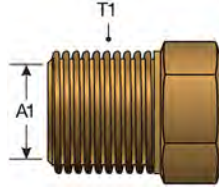
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|--------------|------|---|---------------|
| | | " | T1 (in) | |
| G60596-0202 | 2T-2MIXN-S | 1/8 | 5/16-28 | 1 |
| G60596-0303 | 3T-3MIXN-S | 3/16 | 3/8-24 | 1 |
| G60596-0404 | 4T-4MIXN-S | 1/4 | 7/16-24 | 1 |
| G60596-0505 | 5T-5MIXN-S | 5/16 | 1/2-20 | 1 |
| G60596-0606 | 6T-6MIXN-S | 3/8 | 5/8-18 | 1 |
| G60596-0607 | 6T-7MIXN-S | 3/8 | 11/16-18 | 1 |
| G60596-0707 | 7T-7MIXN-S | 7/16 | 11/16-18 | 1 |
| G60596-0808 | 8T-8MIXN-S | 1/2 | 3/4-18 | 1 |
| G60596-1010 | 10T-10MIXN-S | 5/8 | 7/8-18 | 1 |
| G60596-1212 | 12T-12MIXN-S | 3/4 | 1 1/16-16 | 1 |
| G60596-1414 | 14T-14MIXN-S | 7/8 | 1 3/16-16 | 1 |
| G60596-1616 | 16T-16MIXN-S | 1 | 1 5/16-16 | 1 |


Male Inverted Tube Nut - Steel - Long



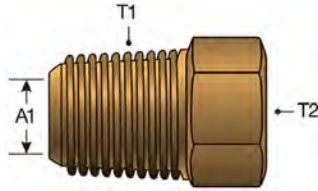
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------------|------|---|---------------|
| | | " | T1 (in) | |
| G60597-0303 | 3T-3MIXN-SL | 3/16 | 3/8-24 | 1 |
| G60597-0404 | 4T-4MIXN-SL | 1/4 | 7/16-24 | 1 |


Male Inverted Tube Nut - Brass



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|------|---|---------------|
| | | " | T1 (in) | |
| G60599-0303 | 3T-3MIXN-B | 3/16 | 3/8-24 | 1 |
| G60599-0404 | 4T-4MIXN-B | 1/4 | 7/16-24 | 1 |
| G60599-0505 | 5T-5MIXN-B | 5/16 | 1/2-20 | 1 |
| G60599-0606 | 6T-6MIXN-B | 3/8 | 5/8-18 | 1 |
| G60599-0808 | 8T-8MIXN-B | 1/2 | 3/4-18 | 1 |

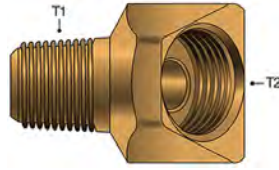
Female Inverted Flare to Male Pipe




| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-----------|------|--|-----------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60625-0202 | 2MP-2FI | 1/8 | 1/8-27 | 5/16-28 | 1 |
| G60625-0203 | 2MP-3FI | 3/16 | 1/8-27 | 3/8-24 | 1 |
| G60625-0204 | 2MP-4FI | 1/4 | 1/8-27 | 7/16-24 | 1 |
| G60625-0205 | 2MP-5FI | 5/16 | 1/8-27 | 1/2-20 | 1 |
| G60625-0206 | 2MP-6FI | 3/8 | 1/8-27 | 5/8-18 | 1 |
| G60625-0404 | 4MP-4FI | 1/4 | 1/4-18 | 7/16-24 | 1 |
| G60625-0405 | 4MP-5FI | 5/16 | 1/4-18 | 1/2-20 | 1 |
| G60625-0406 | 4MP-6FI | 3/8 | 1/4-18 | 5/8-18 | 1 |
| G60625-0408 | 4MP-8FI | 1/2 | 1/4-18 | 3/4-18 | 1 |
| G60625-0606 | 6MP-6FI | 3/8 | 3/8-18 | 5/8-18 | 1 |
| G60625-0607 | 6MP-7FI | 7/16 | 3/8-18 | 11/16-18 | 1 |
| G60625-0608 | 6MP-8FI | 1/2 | 3/8-18 | 3/4-18 | 1 |
| G60625-0808 | 8MP-8FI | 1/2 | 1/2-14 | 3/4-18 | 1 |
| G60625-0810 | 8MP-10FI | 5/8 | 1/2-14 | 7/8-18 | 1 |
| G60625-0812 | 8MP-12FI | 3/4 | 1/2-14 | 1 1/16-16 | 1 |
| G60625-1212 | 12MP-12FI | 3/4 | 3/4-14 | 1 1/16-16 | 1 |
| G60625-1214 | 12MP-14FI | 7/8 | 3/4-14 | 1 3/16-16 | 1 |
| G60625-1616 | 16MP-16FI | 1 | 1-11 1/2 | 1 5/16-16 | 1 |

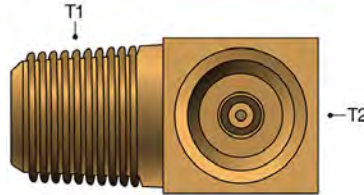
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
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- BARB STEM
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- AUTOMOTIVE ADAPTERS
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- INDUSTRIAL SURELOK
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- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Female Inverted Flare to Male Pipe - 45°



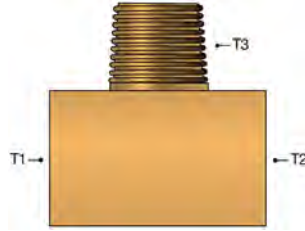
| Part No. | Desc. |  | | Standard Pack |
|-------------|------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60626-0202 | 2MP-2FI45 | 1/8-27 | 5/16-28 | 1 |
| G60626-0203 | 2MP-3FI45 | 1/8-27 | 3/8-24 | 1 |
| G60626-0204 | 2MP-4FI45 | 1/8-27 | 7/16-24 | 1 |
| G60626-0205 | 2MP-5FI45 | 1/8-27 | 1/2-20 | 1 |
| G60626-0206 | 2MP-6FI45 | 1/8-27 | 5/8-18 | 1 |
| G60626-0405 | 4MP-5FI45 | 1/4-18 | 1/2-20 | 1 |
| G60626-0406 | 4MP-6FI45 | 1/4-18 | 5/8-18 | 1 |
| G60626-0608 | 6MP-8FI45 | 3/8-18 | 3/4-18 | 1 |
| G60626-0810 | 8MP-10FI45 | 1/2-14 | 7/8-18 | 1 |

Female Inverted Flare to Male Pipe - 90°



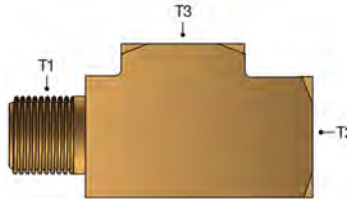
| Part No. | Desc. |  | | Standard Pack |
|-------------|-------------|---|-----------|---------------|
| | | T1 (in) | T2 (in) | |
| G60627-0202 | 2MP-2FI90 | 1/8-27 | 5/16-28 | 1 |
| G60627-0203 | 2MP-3FI90 | 1/8-27 | 3/8-24 | 1 |
| G60627-0204 | 2MP-4FI90 | 1/8-27 | 7/16-24 | 1 |
| G60627-0205 | 2MP-5FI90 | 1/8-27 | 1/2-20 | 1 |
| G60627-0206 | 2MP-6FI90 | 1/8-27 | 5/8-18 | 1 |
| G60627-0404 | 4MP-4FI90 | 1/4-18 | 7/16-24 | 1 |
| G60627-0405 | 4MP-5FI90 | 1/4-18 | 1/2-20 | 1 |
| G60627-0406 | 4MP-6FI90 | 1/4-18 | 5/8-18 | 1 |
| G60627-0408 | 4MP-8FI90 | 1/4-18 | 3/4-18 | 1 |
| G60627-0605 | 6MP-5FI90 | 3/8-18 | 1/2-20 | 1 |
| G60627-0606 | 6MP-6FI90 | 3/8-18 | 5/8-18 | 1 |
| G60627-0608 | 6MP-8FI90 | 3/8-18 | 3/4-18 | 1 |
| G60627-0610 | 6MP-10FI90 | 3/8-18 | 7/8-18 | 1 |
| G60627-0808 | 8MP-8FI90 | 1/2-14 | 3/4-18 | 1 |
| G60627-0810 | 8MP-10FI90 | 1/2-14 | 7/8-18 | 1 |
| G60627-0812 | 8MP-12FI90 | 1/2-14 | 1 1/16-16 | 1 |
| G60627-1212 | 12MP-12FI90 | 3/4-14 | 1 1/16-16 | 1 |
| G60627-1214 | 12MP-14FI90 | 3/4-14 | 1 3/16-16 | 1 |
| G60627-1616 | 16MP-16FI90 | 1-11 1/2 | 1 5/16-16 | 1 |

Female Inverted Branch Tee to Male Pipe



| Part No. | Desc. | T | | | Standard Pack |
|-------------|-------------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60628-0302 | 3FI-3FI-2MP | 3/8-24 | 3/8-24 | 1/8-27 | 1 |
| G60628-0402 | 4FI-4FI-2MP | 7/16-24 | 7/16-24 | 1/8-27 | 1 |
| G60628-0504 | 5FI-5FI-4MP | 1/2-20 | 1/2-20 | 1/4-18 | 1 |
| G60628-0604 | 6FI-6FI-4MP | 5/8-18 | 5/8-18 | 1/4-18 | 1 |

Female Inverted Run Tee to Male Pipe



| Part No. | Desc. | T | | | Standard Pack |
|-------------|-------------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60629-0203 | 2MP-3FI-3FI | 1/8-27 | 3/8-24 | 3/8-24 | 1 |
| G60629-0204 | 2MP-4FI-4FI | 1/8-27 | 7/16-24 | 7/16-24 | 1 |
| G60629-0205 | 2MP-5FI-5FI | 1/8-27 | 1/2-20 | 1/2-20 | 1 |
| G60629-0406 | 4MP-6FI-6FI | 1/4-18 | 5/8-18 | 5/8-18 | 1 |
| G60629-0408 | 4MP-8FI-8FI | 1/4-18 | 3/4-18 | 3/4-18 | 1 |

Female Inverted to Female Pipe



| Part No. | Desc. | T | | Standard Pack |
|-------------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60630-0202 | 2FP-2FI | 1/8-27 | 5/16-28 | 1 |
| G60630-0203 | 2FP-3FI | 1/8-27 | 3/8-24 | 1 |
| G60630-0204 | 2FP-4FI | 1/8-27 | 7/16-24 | 1 |
| G60630-0205 | 2FP-5FI | 1/8-27 | 1/2-20 | 1 |
| G60630-0404 | 4FP-4FI | 1/4-18 | 7/16-24 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION


PIPE ADAPTERS

ADAPTERS SAE
FLARE

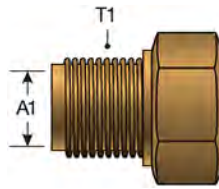
THREADED
SLEEVE


KITS &
ASSORTMENTS

Female Inverted to Female Pipe - Continued

| Part No. | Desc. |  | | Standard Pack |
|-------------|----------|---|-----------|---------------|
| | | T1 (in) | T2 (in) | |
| G60630-0406 | 4FP-6FI | 1/4-18 | 5/8-18 | 1 |
| G60630-0407 | 4FP-7FI | 1/4-18 | 11/16-18 | 1 |
| G60630-0608 | 6FP-8FI | 3/8-18 | 3/4-18 | 1 |
| G60630-0810 | 8FP-10FI | 1/2-14 | 7/8-18 | 1 |
| G60630-0812 | 8FP-12FI | 1/2-14 | 1 1/16-16 | 1 |


Male Inverted Flare Plug



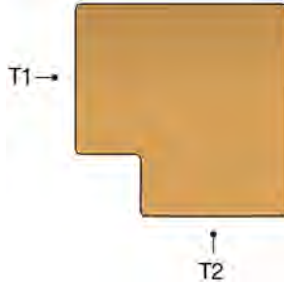
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|------|--|---------------|
| | | " | T1 (in) | |
| G60691-0003 | 3MI-PLUG | 3/16 | 3/8-24 | 1 |
| G60691-0004 | 4MI-PLUG | 1/4 | 7/16-24 | 1 |
| G60691-0005 | 5MI-PLUG | 5/16 | 1/2-20 | 1 |
| G60691-0006 | 6MI-PLUG | 3/8 | 5/8-18 | 1 |

Female Inverted to Female Inverted Union



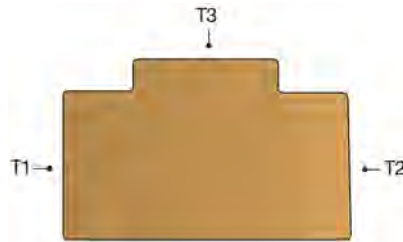
| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60693-0202 | 2FI-2FI | 5/16-28 | 5/16-28 | 1 |
| G60693-0303 | 3FI-3FI | 3/8-24 | 3/8-24 | 1 |
| G60693-0404 | 4FI-4FI | 7/16-24 | 7/16-24 | 1 |
| G60693-0505 | 5FI-5FI | 1/2-20 | 1/2-20 | 1 |
| G60693-0606 | 6FI-6FI | 5/8-18 | 5/8-18 | 1 |
| G60693-0808 | 8FI-8FI | 3/4-18 | 3/4-18 | 1 |
| G60693-1010 | 10FI-10FI | 7/8-18 | 7/8-18 | 1 |

Female Inverted to Female Inverted Union - 90°



| Part No. | Desc. | Standard Pack | | Standard Pack |
|-------------|-----------|---------------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60694-0404 | 4FI-4FI90 | 7/16-24 | 7/16-24 | 1 |
| G60694-0505 | 5FI-5FI90 | 1/2-20 | 1/2-20 | 1 |
| G60694-0606 | 6FI-6FI90 | 5/8-18 | 5/8-18 | 1 |
| G60694-0808 | 8FI-8FI90 | 3/4-18 | 3/4-18 | 1 |

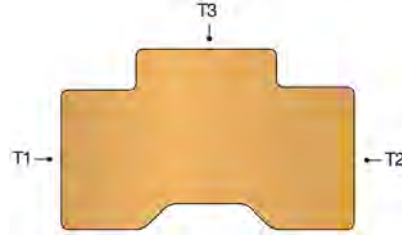
Female Inverted Union - Tee




| Part No. | Desc. | Standard Pack | | | Standard Pack |
|-------------|----------------|---------------|-----------|-----------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60695-0202 | 2FI-2FI-2FI | 5/16-28 | 5/16-28 | 5/16-28 | 1 |
| G60695-0303 | 3FI-3FI-3FI | 3/8-24 | 3/8-24 | 3/8-24 | 1 |
| G60695-0404 | 4FI-4FI-4FI | 7/16-24 | 7/16-24 | 7/16-24 | 1 |
| G60695-0505 | 5FI-5FI-5FI | 1/2-20 | 1/2-20 | 1/2-20 | 1 |
| G60695-0606 | 6FI-6FI-6FI | 5/8-18 | 5/8-18 | 5/8-18 | 1 |
| G60695-0808 | 8FI-8FI-8FI | 3/4-18 | 3/4-18 | 3/4-18 | 1 |
| G60695-1414 | 14FI-14FI-14FI | 1 3/16-16 | 1 3/16-16 | 1 3/16-16 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE**
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Female Inverted Branch Tee to Female Pipe



| Part No. | Desc. |  | | | Standard Pack |
|-------------|-------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60696-0303 | 3FI-3FI-3FP | 3/8-24 | 3/8-24 | 1/8-27 | 1 |
| G60696-0402 | 4FI-4FI-2FP | 7/16-24 | 7/16-24 | 1/8-27 | 1 |
| G60696-0404 | 4FI-4FI-4FP | 7/16-24 | 7/16-24 | 1/4-18 | 1 |
| G60696-0505 | 5FI-5FI-5FP | 1/2-20 | 1/2-20 | 1/8-27 | 1 |
| G60696-0604 | 6FI-6FI-4FP | 5/8-18 | 5/8-18 | 1/4-18 | 1 |
| G60696-0808 | 8FI-8FI-8FP | 3/4-18 | 3/4-18 | 1/2-14 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE**
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Recommended For: Adapting automotive oil filters, carburetors, power steering and fuel lines such as fuel injection, transmission oil cooler and drain plugs. Also, used to adapt brake lines to port configurations found in master cylinders or for adapting brake lines to metric sizes.

Used With: Aluminum, brass, copper and steel tubing

Features and Benefits: Robust construction with metal to metal seats for high heat and fluid compatibility.

Conformance: SAE, ASME

Working Pressure: 2,000 psi (136 bar)

Temperature Range: -30°F to +250°F (-34°C to +121°C)

Material: 360 Brass

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

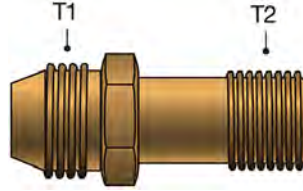
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

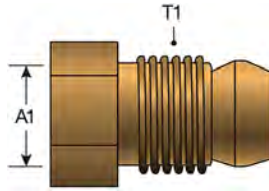
KITS &
ASSORTMENTS


Turbo Charger Connector



| Part No. | Desc. |  | | Standard Pack |
|-------------|-------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49200-1612 | | 30 Tube | 3/4-12 | 1 |


Ford Nut



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------|-----|---|---------------|
| | | " | T1 (in) | |
| G49230-0404 | | 1/4 | 1/2-20 | 1 |

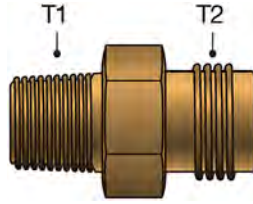
Carburetor to Fuel Line Adapter (Ford)



| Part No. | Desc. |  | | Standard Pack |
|-------------|------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49240-0204 | 2MPFLA-8MI | 1/8-27 | 1/2-20 | 1 |

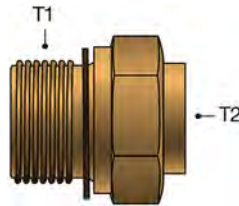
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Fuel Line Adapter (Plymouth)



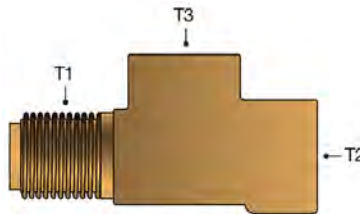
| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49250-0205 | | 1/8-27 | 1/2-20 | 1 |

Carburetor Inlet - Steel



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49251-0514 | | 1/2-20 | 7/8-20 | 1 |
| G49251-0614 | | 5/8-18 | 7/8-20 | 1 |

Towed Trailer Brake - Tee

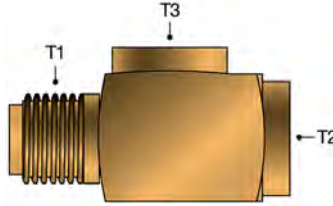


| Part No. | Desc. | | | | Standard Pack |
|-------------|-------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G49300-0303 | | 3/8-24 | 3/8-24 | 3/8-24 | 1 |
| G49300-0305 | | 1/2-20 | 1/2-20 | 3/8-24 | 1 |
| G49300-0403 | | 7/16-24 | 7/16-24 | 3/8-24 | 1 |
| G49300-0404 | | 7/16-24 | 7/16-24 | 7/16-24 | 1 |
| G49301-0303 | | 9/16-18 | 3/8-24 | 9/16-18 | 1 |
| G49301-0304 | | 7/16-24 | 7/16-24 | 3/8-24 | 1 |
| G49301-0403 | | 9/16-18 | 3/8-24 | 9/16-18 | 1 |
| G49302-0303 | | 9/16-20 | 3/8-24 | 9/16-20 | 1 |
| G49303-0403 | | 3/8-24 | 3/8-24 | 7/16-24 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS**
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

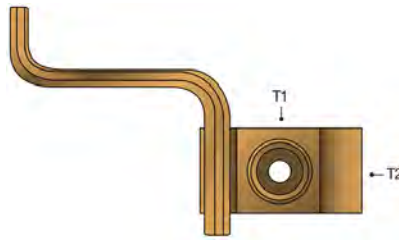
| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Metric Towed Trailer Brake - Tee



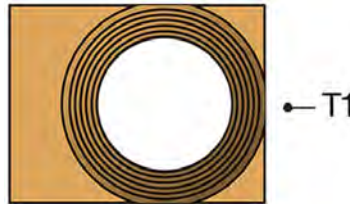
| Part No. | Desc. | Metric Towed Trailer Brake Tee | | | Standard Pack |
|-------------|-------|--------------------------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G49304-1203 | | M12X1.0 | M12X1.0 | 3/8-24 | 1 |
| G49304-1303 | | M13X1.5 | M13X1.5 | 3/8-24 | 1 |
| G49305-1203 | | M12X1.0 | M12X1.0 | 3/8-24 | 1 |

Hydraulic Brake Strap Assembly - Tee



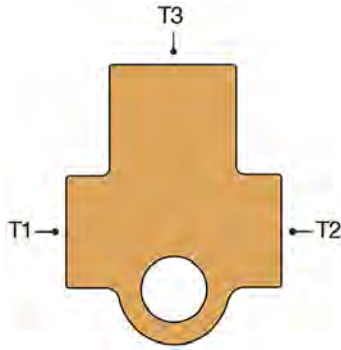
| Part No. | Desc. | Hydraulic Brake Strap Assembly Tee | | Standard Pack |
|-------------|-------|------------------------------------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49310-0303 | | 3/8-24 | 3/8-24 | 1 |
| G49310-0404 | | 9/16-18 | 9/16-18 | 1 |
| G49312-0304 | | 3/8-24 | 9/16-18 | 1 |

Hydraulic Brake - Block



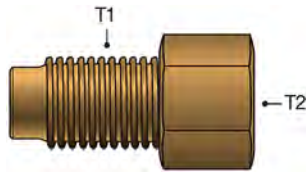
| Part No. | Desc. | Hydraulic Brake Block | Standard Pack |
|-------------|-------|-----------------------|---------------|
| | | T1 (in) | |
| G49313-0004 | | 7/16-24 | 1 |

Hydraulic Brake with Bolt Hole - Tee



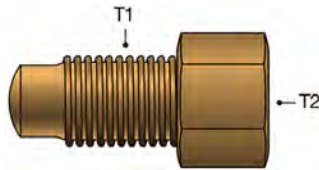
| Part No. | Desc. | 🌀 | | | Standard Pack |
|-------------|-------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G49314-0306 | | 3/8-24 | 3/8-24 | 5/8-18 | 1 |

Metric Hydraulic Brake Adapter - Male Inverted to Tube O.D. Female



| Part No. | Desc. | 🌀 | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49320-1003 | | M10X1.0 | 3/8-24 | 1 |

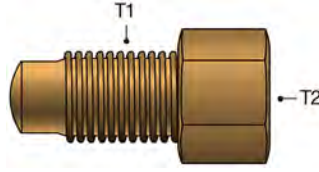
Metric Hydraulic Brake Adapter - Male Bubble to Tube O.D. Female



| Part No. | Desc. | 🌀 | | Standard Pack |
|-------------|-----------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49321-1003 | | M10X1.0 | 3/8-24 | 1 |
| G49321-1110 | 11MMHBA-10FMHBA | M11X1.5 | M10X1.0 | 1 |
| G49321-1210 | | M12X1.0 | M10X1.0 | 1 |
| G49321-1310 | | M13X1.0 | M10X1.0 | 1 |

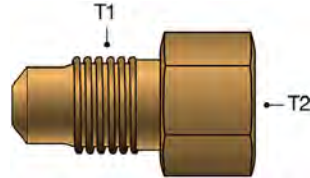
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS**
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Metric Hydraulic Brake Adapter - Bubble



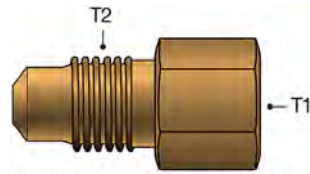
| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|----------|---------------|
| | | T1 (in) | T2 (in) | |
| G49323-0310 | | 3/8-24 | M10X1.25 | 1 |

Metric Hydraulic Brake Adapter - British Bubble



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49324-0304 | | 3/8-24 | 7/16-20 | 1 |

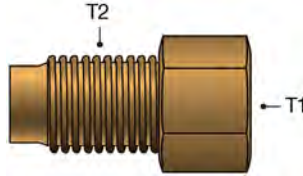
Standard to Metric



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49325-1103 | | 3/8-24 | 11X1.5 | 1 |
| G49325-1203 | | 3/8-24 | 12X1.0 | 1 |
| G49325-1303 | | 3/8-24 | 13X1.0 | 1 |

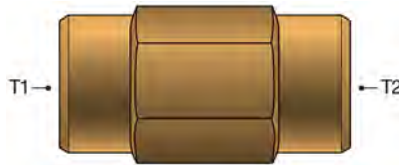
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
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- INVERTED FLARE
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- THREADED SLEEVE
- KITS & ASSORTMENTS

Adapter Standard to Metric Bubble



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49326-1003 | | 3/8-24 | 10X1.25 | 1 |

Hydraulic Brake Metric Union



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49400-1010 | | 3/8-24 | M10X1.0 | 1 |

Hydraulic Brake Union - British



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49401-0303 | | 3/8-24 | 3/8-24 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS**
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Hydraulic Brake Union - European



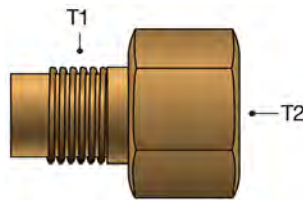
| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49402-1010 | | M10X1.0 | M10X1.0 | 1 |

Hydraulic Brake Union - Japanese



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49403-1010 | | M10X1.0 | M10X1.0 | 1 |

Dual Master Cylinder Adapter

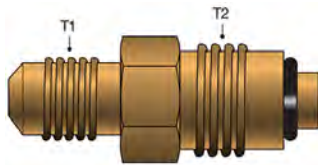


| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49500-0304 | | 7/16-24 | 3/8-24 | 1 |
| G49500-0405 | | 1/2-20 | 7/16-24 | 1 |
| G49500-0503 | | 3/8-24 | 1/2-20 | 1 |
| G49500-0504 | | 7/16-24 | 1/2-20 | 1 |
| G49500-0506 | | 5/8-18 | 1/2-20 | 1 |
| G49500-0605 | | 1/2-20 | 5/8-18 | 1 |
| G49501-0303 | | 9/16-18 | 9/16-18 | 1 |
| G49501-0404 | | 7/16-24 | 9/16-18 | 1 |
| G49501-0503 | | 1/2-20 | 3/8-24 | 1 |
| G49502-0303 | | 1/2-20 | 9/16-18 | 1 |
| G49502-0503 | | 9/16-18 | 1/2-20 | 1 |
| G49503-0303 | | 3/8-24 | 9/16-18 | 1 |
| G49504-0303 | | 3/8-24 | 9/16-18 | 1 |
| G49505-0403 | | 3/8-24 | 7/16-24 | 1 |
| G49505-0404 | | 7/16-24 | 7/16-20 | 1 |
| G49505-0503 | | 3/8-24 | 1/2-20 | 1 |

Dual Master Cylinder Adapter - Continued

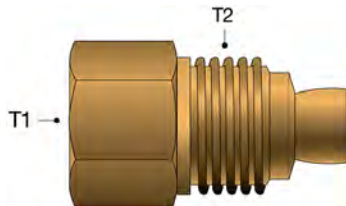
| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49505-0504 | | 7/16-24 | 1/2-20 | 1 |
| G49505-0505 | | 1/2-20 | 1/2-20 | 1 |
| G49506-0605 | | 1/2-20 | 3/8-18 | 1 |
| G49507-0303 | | 3/8-24 | 3/8-24 | 1 |
| G49507-0503 | | 3/8-24 | 1/2-20 | 1 |

JIC 37° Flare Power Steering Adapter



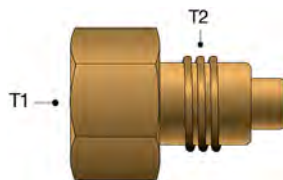
| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49700-0504 | | 7/16-20 | 9/16-18 | 1 |
| G49700-0606 | | 9/16-18 | 5/8-18 | 1 |

Ford Power Steering Adapter



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|----------|---------------|
| | | T1 (in) | T2 (in) | |
| G49701-0406 | | 5/8-18 | 11/16-18 | 1 |

Metric Power Steering Adapter



| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49702-1406 | | 5/8-18 | M14X1.5 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
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- VALVES
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- COPPER TUBING INDUSTRIAL COMPRESSION
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- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Metric Power Steering Adapter - Continued

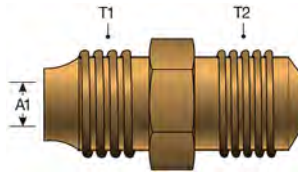
| Part No. | Desc. | | | Standard Pack |
|-------------|-------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G49702-1606 | | 5/8-18 | M16X1.5 | 1 |
| G49702-1806 | | 5/8-18 | M18X1.5 | 1 |

Transmission Oil Cooler Line Adapter



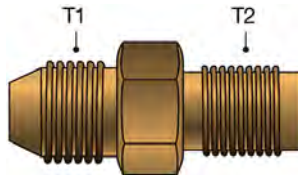
| Part No. | Desc. | A1 | | Standard Pack |
|-------------|-------|------|---------|---------------|
| | | " | T1 (in) | |
| G49800-0505 | | 5/16 | 1/2-20 | 1 |
| G49800-0606 | | 3/8 | 5/8-18 | 1 |

Air Conditioning Adapter



| Part No. | Desc. | A1 | | | Standard Pack |
|-------------|----------------|-----|---------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G49900-0404 | 4ACADAPTER-7MS | 1/4 | 7/16-20 | 7/16-20 | 1 |

Male SAE 45° - Male Inverted



| Part No. | Desc. | | | Standard Pack |
|-------------|---------|---------|----------|---------------|
| | | T1 (in) | T2 (in) | |
| G49901-0605 | | 5/8-18 | 1/2-20 | 1 |
| G49901-0607 | | 5/8-18 | 11/16-18 | 1 |
| G60679-0403 | 4MS-3MI | 7/16-20 | 3/8-24 | 1 |
| G60679-0404 | 4MS-4MI | 7/16-20 | 7/16-24 | 1 |

| | | | | | | | | | | |
|-----------------------|---------|--------|---------|--------|---------|--------|----------|----------|------|----------|
| Tube O.D. (in) | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 1 |
| Thread Size | 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 | 1-1/4-18 |
| PSI | 2800 | 1900 | 1400 | 1200 | 1000 | 875 | 750 | 650 | 550 | 350 |

Recommended For: Hydraulic and pneumatic systems

Used With: Copper, aluminum, and plastic tubing

Features and Benefits: Provides a low cost, easy to assemble solution that does not require flaring.

Working Pressure: Up to 2,800 psi depending on the tube size. See chart above.

Temperature Range: -65°F to +250°F (-53° to +121°C)

Material: 360 Brass

Assembly Instructions:

1. Measure tube and cut to the desired length. Ensure there are no burrs on the tubing.
2. Slide nut and then sleeve onto the tube. Threaded end of nut must face connector.
3. Insert tube into the connector body until the tubing bottoms out on the connector shoulder.
4. Lubricate the threads and assemble the nut to the connector body.
5. Hand-tighten the threads, then continue tighten with a wrench to the number of turns listed in the chart below.

| Tube Size | Turns from Hand Tight |
|--------------|-----------------------|
| 1/8" to 1/4" | 1-1/4 |
| 5/16" | 1-3/4 |
| 3/8" to 1" | 2-1/4 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

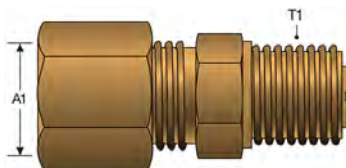
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

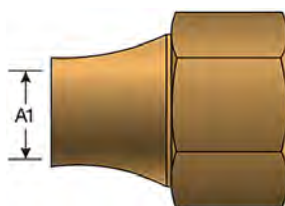
KITS &
ASSORTMENTS

Copper Tubing Industrial to Male Pipe - Check Valve



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------------|------|---|---------------|
| | | " | T1 (in) | |
| G55028-0302 | 3CTI-2MP-CV | 3/16 | 1/8-27 | 1 |
| G55028-0402 | 4CTI-2MP-CV | 1/4 | 1/8-27 | 1 |
| G55028-0502 | 5CTI-2MP-CV | 5/16 | 1/8-27 | 1 |
| G55028-0604 | 6CTI-4MP-CV | 3/8 | 1/4-18 | 1 |

Nut - Long



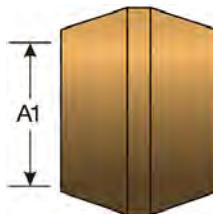
| Part No. | Desc. | A1 | Standard Pack |
|-------------|------------|------|---------------|
| | | " | |
| G55030-0003 | 3TN-CTI-L | 3/16 | 5 |
| G55030-0004 | 4TN-CTI-L | 1/4 | 5 |
| G55030-0005 | 5TN-CTI-L | 5/16 | 1 |
| G55030-0006 | 6TN-CTI-L | 3/8 | 1 |
| G55030-0008 | 8TN-CTI-L | 1/2 | 1 |
| G55030-0010 | 10TN-CTI-L | 5/8 | 1 |
| G55030-0012 | 12TN-CTI-L | 3/4 | 1 |
| G55030-0016 | 16TN-CTI-L | 1 | 1 |

Tube Sleeve Insert



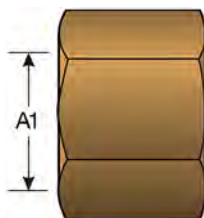
| Part No. | Desc. | A1 | Standard Pack |
|--------------|-----------|------|---------------|
| | | " | |
| G55040-0004 | 4TSI-CTI | 1/4 | 5 |
| G55040-0004T | 4TSI-CTI | 1/4 | 5 |
| G55040-0005 | 5TSI-CTI | 5/16 | 1 |
| G55040-0006 | 6TSI-CTI | 3/8 | 1 |
| G55040-0008 | 8TSI-CTI | 1/2 | 1 |
| G55040-0010 | 10TSI-CTI | 5/8 | 1 |
| G55040-0012 | 12TSI-CTI | 3/4 | 1 |
| G55040-0016 | 16TSI-CTI | 1 | 1 |

Tube Sleeve



| Part No. | Desc. | A1 | Standard Pack |
|-------------|----------|------|---------------|
| | | " | |
| G55050-0002 | 2TS-CTI | 1/8 | 5 |
| G55050-0003 | 3TS-CTI | 3/16 | 5 |
| G55050-0004 | 4TS-CTI | 1/4 | 5 |
| G55050-0005 | 5TS-CTI | 5/16 | 1 |
| G55050-0006 | 6TS-CTI | 3/8 | 1 |
| G55050-0007 | 7TS-CTI | 7/16 | 1 |
| G55050-0008 | 8TS-CTI | 1/2 | 1 |
| G55050-0010 | 10TS-CTI | 5/8 | 1 |
| G55050-0012 | 12TS-CTI | 3/4 | 1 |
| G55050-0016 | 16TS-CTI | 1 | 1 |

Tube Sleeve Nut



| Part No. | Desc. | A1 | Standard Pack |
|-------------|-----------|------|---------------|
| | | " | |
| G55060-0002 | 2TSN-CTI | 1/8 | 5 |
| G55060-0003 | 3TSN-CTI | 3/16 | 5 |
| G55060-0004 | 4TSN-CTI | 1/4 | 5 |
| G55060-0005 | 5TSN-CTI | 5/16 | 1 |
| G55060-0006 | 6TSN-CTI | 3/8 | 1 |
| G55060-0007 | 7TSN-CTI | 7/16 | 1 |
| G55060-0008 | 8TSN-CTI | 1/2 | 1 |
| G55060-0010 | 10TSN-CTI | 5/8 | 1 |
| G55060-0012 | 12TSN-CTI | 3/4 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
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INDUSTRIAL
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MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

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AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

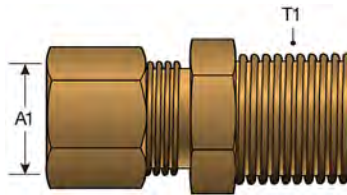
PIPE ADAPTERS


ADAPTERS SAE FLARE

THREADED SLEEVE

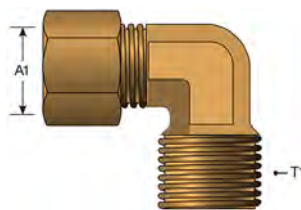
KITS & ASSORTMENTS


Copper Tubing Industrial to Male Pipe




| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|------|---|---------------|
| | | " | T1 (in) | |
| G55100-0201 | 2CTI-1MP | 1/8 | 1/16-32 | 1 |
| G55100-0202 | 2CTI-2MP | 1/8 | 1/8-27 | 1 |
| G55100-0302 | 3CTI-2MP | 3/16 | 1/8-27 | 1 |
| G55100-0304 | 3CTI-4MP | 3/16 | 1/4-18 | 1 |
| G55100-0402 | 4CTI-2MP | 1/4 | 1/8-27 | 1 |
| G55100-0404 | 4CTI-4MP | 1/4 | 1/4-18 | 1 |
| G55100-0502 | 5CTI-2MP | 5/16 | 1/8-27 | 1 |
| G55100-0504 | 5CTI-4MP | 5/16 | 1/4-18 | 1 |
| G55100-0602 | 6CTI-2MP | 3/8 | 1/8-27 | 1 |
| G55100-0604 | 6CTI-4MP | 3/8 | 1/4-18 | 1 |
| G55100-0606 | 6CTI-6MP | 3/8 | 3/8-18 | 1 |
| G55100-0608 | 6CTI-8MP | 3/8 | 1/2-14 | 1 |
| G55100-0704 | 7CTI-4MP | 7/16 | 1/4-18 | 1 |
| G55100-0804 | 8CTI-4MP | 1/2 | 1/4-18 | 1 |
| G55100-0806 | 8CTI-6MP | 1/2 | 3/8-18 | 1 |
| G55100-0808 | 8CTI-8MP | 1/2 | 1/2-14 | 1 |
| G55100-1008 | 10CTI-8MP | 5/8 | 1/2-14 | 1 |
| G55100-1208 | 12CTI-8MP | 3/4 | 1/2-14 | 1 |
| G55100-1212 | 12CTI-12MP | 3/4 | 3/4-14 | 1 |

Copper Tubing Industrial to Male Pipe - 90°

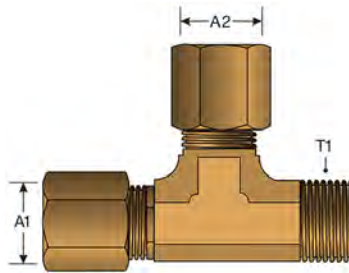



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|------|---|---------------|
| | | " | T1 (in) | |
| G55104-0201 | 2CTI-1MP90 | 1/8 | 1/16-32 | 1 |
| G55104-0202 | 2CTI-2MP90 | 1/8 | 1/8-27 | 1 |
| G55104-0302 | 3CTI-2MP90 | 3/16 | 1/8-27 | 1 |
| G55104-0402 | 4CTI-2MP90 | 1/4 | 1/8-27 | 1 |
| G55104-0404 | 4CTI-4MP90 | 1/4 | 1/4-18 | 1 |
| G55104-0502 | 5CTI-2MP90 | 5/16 | 1/8-27 | 1 |
| G55104-0504 | 5CTI-4MP90 | 5/16 | 1/4-18 | 1 |
| G55104-0602 | 6CTI-2MP90 | 3/8 | 1/8-27 | 1 |
| G55104-0604 | 6CTI-4MP90 | 3/8 | 1/4-18 | 1 |
| G55104-0606 | 6CTI-6MP90 | 3/8 | 3/8-18 | 1 |
| G55104-0608 | 6CTI-8MP90 | 3/8 | 1/2-14 | 1 |
| G55104-0704 | 7CTI-4MP90 | 7/16 | 1/4-18 | 1 |
| G55104-0804 | 8CTI-4MP90 | 1/2 | 1/4-18 | 1 |

Copper Tubing Industrial to Male Pipe - 90° - Continued

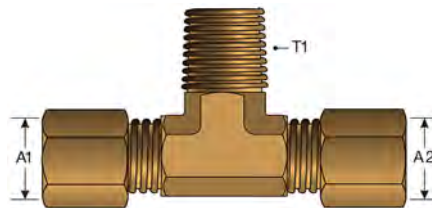
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|--------------|-----|---|---------------|
| | | " | T1 (in) | |
| G55104-0806 | 8CTI-6MP90 | 1/2 | 3/8-18 | 1 |
| G55104-0808 | 8CTI-8MP90 | 1/2 | 1/2-14 | 1 |
| G55104-1008 | 10CTI-8MP90 | 5/8 | 1/2-14 | 1 |
| G55104-1208 | 12CTI-8MP90 | 3/4 | 1/2-14 | 1 |
| G55104-1212 | 12CTI-12MP90 | 3/4 | 3/4-14 | 1 |


Copper Tubing Industrial Run Tee to Male Pipe



| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|---------------|------|------|--|---------------|
| | | " | " | T1 (in) | |
| G55130-0203 | 2MP-3CTI-3CTI | 3/16 | 3/16 | 1/8-27 | 1 |
| G55130-0204 | 2MP-4CTI-4CTI | 1/4 | 1/4 | 1/8-27 | 1 |
| G55130-0205 | 2MP-5CTI-5CTI | 5/16 | 5/16 | 1/8-27 | 1 |
| G55130-0404 | 4MP-4CTI-4CTI | 1/4 | 1/4 | 1/4-18 | 1 |
| G55130-0406 | 4MP-6CTI-6CTI | 3/8 | 3/8 | 1/4-18 | 1 |
| G55130-0608 | 6MP-8CTI-8CTI | 1/2 | 1/2 | 3/8-18 | 1 |

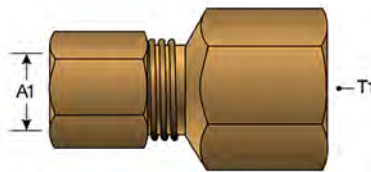
Copper Tubing Industrial Branch Tee to Male Pipe




| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|---------------|------|------|---|---------------|
| | | " | " | T1 (in) | |
| G55134-0302 | 3CTI-3CTI-2MP | 3/16 | 3/16 | 1/8-27 | 1 |
| G55134-0402 | 4CTI-4CTI-2MP | 1/4 | 1/4 | 1/8-27 | 1 |
| G55134-0404 | 4CTI-4CTI-4MP | 1/4 | 1/4 | 1/4-18 | 1 |
| G55134-0502 | 5CTI-5CTI-2MP | 5/16 | 5/16 | 1/8-27 | 1 |
| G55134-0604 | 6CTI-6CTI-4MP | 3/8 | 3/8 | 1/4-18 | 1 |
| G55134-0806 | 8CTI-8CTI-6MP | 1/2 | 1/2 | 3/8-18 | 1 |

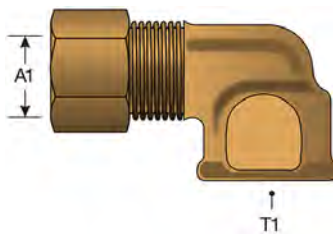
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Copper Tubing Industrial to Female Pipe



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-----------|------|---|---------------|
| | | " | T1 (in) | |
| G55150-0202 | 2CTI-2FP | 1/8 | 1/8-27 | 1 |
| G55150-0302 | 3CTI-2FP | 3/16 | 1/8-27 | 1 |
| G55150-0402 | 4CTI-2FP | 1/4 | 1/8-27 | 1 |
| G55150-0404 | 4CTI-4FP | 1/4 | 1/4-18 | 1 |
| G55150-0502 | 5CTI-2FP | 5/16 | 1/8-27 | 1 |
| G55150-0504 | 5CTI-4FP | 5/16 | 1/4-18 | 1 |
| G55150-0602 | 6CTI-2FP | 3/8 | 1/8-27 | 1 |
| G55150-0604 | 6CTI-4FP | 3/8 | 1/4-18 | 1 |
| G55150-0806 | 8CTI-6FP | 1/2 | 3/8-18 | 1 |
| G55150-1008 | 10CTI-8FP | 5/8 | 1/2-14 | 1 |

Copper Tubing Industrial to Female Pipe - 90°



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------------|------|---|---------------|
| | | " | T1 (in) | |
| G55154-0302 | 3CTI-2FP90 | 3/16 | 1/8-27 | 1 |
| G55154-0402 | 4CTI-2FP90 | 1/4 | 1/8-27 | 1 |
| G55154-0502 | 5CTI-2FP90 | 5/16 | 1/8-27 | 1 |
| G55154-0604 | 6CTI-4FP90 | 3/8 | 1/4-18 | 1 |
| G55154-0806 | 8CTI-6FP90 | 1/2 | 3/8-18 | 1 |
| G55154-1008 | 10CTI-8FP90 | 5/8 | 1/2-14 | 1 |

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

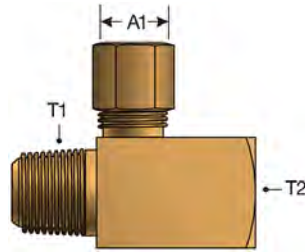
PIPE ADAPTERS

ADAPTERS SAE FLARE

THREADED SLEEVE

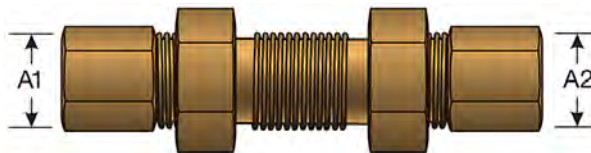
KITS & ASSORTMENTS

Copper Tubing Industrial to Male Pipe to Female Pipe Run Tee



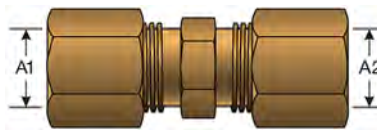
| Part No. | Desc. | A1 | T | | Standard Pack |
|-------------|--------------|------|---------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G55161-0203 | 2MP-2FP-3CTI | 3/16 | 1/8-27 | 1/8-27 | 1 |
| G55161-0204 | 2MP-2FP-4CTI | 1/4 | 1/8-27 | 1/8-27 | 1 |

Copper Tubing Industrial Bulkhead Union



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|----------------|------|------|---------------|
| | | " | " | |
| G55300-0404 | 4CTI-4CTI-BKHD | 1/4 | 1/4 | 1 |
| G55300-0505 | 5CTI-5CTI-BKHD | 5/16 | 5/16 | 1 |
| G55300-0606 | 6CTI-6CTI-BKHD | 3/8 | 3/8 | 1 |
| G55300-0808 | 8CTI-8CTI-BKHD | 1/2 | 1/2 | 1 |

Copper Tubing Industrial Union



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|-------------|------|------|---------------|
| | | " | " | |
| G55400-0202 | 2CTI-2CTI | 1/8 | 1/8 | 1 |
| G55400-0303 | 3CTI-3CTI | 3/16 | 3/16 | 1 |
| G55400-0404 | 4CTI-4CTI | 1/4 | 1/4 | 1 |
| G55400-0505 | 5CTI-5CTI | 5/16 | 5/16 | 1 |
| G55400-0606 | 6CTI-6CTI | 3/8 | 3/8 | 1 |
| G55400-0808 | 8CTI-8CTI | 1/2 | 1/2 | 1 |
| G55400-1010 | 10CTI-10CTI | 5/8 | 5/8 | 1 |
| G55400-1212 | 12CTI-12CTI | 3/4 | 3/4 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

AIR BRAKE NYLON TUBING

AIR BRAKE COPPER TUBING

AIR BRAKE SURELOK

COMPOSITE AIR BRAKE SURELOK

AIR BRAKE COMPRESSION FITTINGS

AIR BRAKE COUPLINGS FOR RUBBER HOSE

VALVES

BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE ADAPTERS

COPPER TUBING INDUSTRIAL COMPRESSION

INDUSTRIAL SURELOK

MINI-BARBED TUBE

POLY INDUSTRIAL COMPRESSION

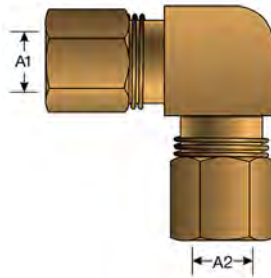
PIPE ADAPTERS

ADAPTERS SAE FLARE

THREADED SLEEVE

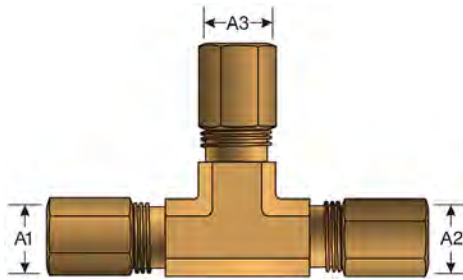
KITS & ASSORTMENTS

Copper Tubing Industrial Union - 90°



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|-------------|------|------|---------------|
| | | " | " | |
| G55404-0303 | 3CTI-3CTI90 | 3/16 | 3/16 | 1 |
| G55404-0404 | 4CTI-4CTI90 | 1/4 | 1/4 | 1 |
| G55404-0505 | 5CTI-5CTI90 | 5/16 | 5/16 | 1 |
| G55404-0606 | 6CTI-6CTI90 | 3/8 | 3/8 | 1 |
| G55404-0808 | 8CTI-8CTI90 | 1/2 | 1/2 | 1 |

Copper Tubing Industrial Union - Tee



| Part No. | Desc. | A1 | A2 | A3 | Standard Pack |
|-------------|----------------|------|------|------|---------------|
| | | " | " | " | |
| G55450-0303 | 3CTI-3CTI-3CTI | 3/16 | 3/16 | 3/16 | 1 |
| G55450-0404 | 4CTI-4CTI-4CTI | 1/4 | 1/4 | 1/4 | 1 |
| G55450-0505 | 5CTI-5CTI-5CTI | 5/16 | 5/16 | 5/16 | 1 |
| G55450-0606 | 6CTI-6CTI-6CTI | 3/8 | 3/8 | 3/8 | 1 |
| G55450-0808 | 8CTI-8CTI-8CTI | 1/2 | 1/2 | 1/2 | 1 |

Recommended For: Compressed air, pneumatic applications, lubrication and cooling lines.

Used With: Nylon, polyethylene, and plastic tubing

Features and Benefits: No tools required resulting in an easy to assemble component, time savings, and fewer installation errors.

Working Pressure: Up to 250 psi

Temperature Range: -40°F to +175°F (-40°C to +80°C)

Material: Nickel plated 360 Brass (Body); silicone-free nitrile (O-Ring)

Assembly Instructions:

1. Ensure tube end is free from burrs and cut squarely.
2. Push the tube through the collet and into the fitting.
3. The tube needs to be pushed through the O-Ring until it bottoms out on the tube.
4. In order to strengthen the collet gripping, pull back on the tube.
5. In order to disconnect:
 - a. First check that there is not any residual air in the system.
 - b. Push the tube fitting until it bottoms out on the tube.
 - c. Hold down the collet and withdraw the tube.

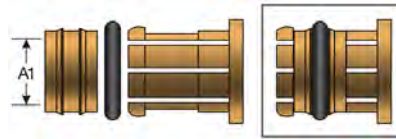
| |
|---|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Industrial SureLok™ Plug



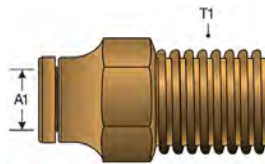
| Part No. | Desc. | A1 | Standard Pack |
|-------------|------------|------|---------------|
| | | " | |
| G56050-0004 | 4PLUG-SLI | 1/4 | 5 |
| G56050-0005 | 5PLUG-SLI | 5/16 | 5 |
| G56050-0006 | 6PLUG-SLI | 3/8 | 1 |
| G56050-0008 | 8PLUG-SLI | 1/2 | 1 |
| G56050-0010 | 10PLUG-SLI | 5/8 | 1 |
| G56050-0025 | 25PLUG-SLI | 5/32 | 1 |


Industrial SureLok™ Cartridge




| Part No. | Desc. | A1 | Standard Pack |
|-------------|----------------|------|---------------|
| | | " | |
| G56099-0002 | 2CARTRIDGE-SLI | 1/8 | 5 |
| G56099-0004 | 4CARTRIDGE-SLI | 1/4 | 5 |
| G56099-0005 | 5CARTRIDGE-SLI | 5/16 | 5 |
| G56099-0006 | 6CARTRIDGE-SLI | 3/8 | 1 |
| G56099-0008 | 8CARTRIDGE-SLI | 1/2 | 1 |

Industrial SureLok™ to Male Pipe

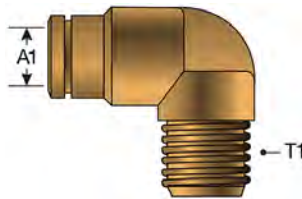



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|------|---|---------------|
| | | " | T1 (in) | |
| G56100-0202 | 2SLI-2MP | 1/8 | 1/8-27 | 1 |
| G56100-0204 | 2SLI-4MP | 1/8 | 1/4-18 | 1 |
| G56100-0402 | 4SLI-2MP | 1/4 | 1/8-27 | 1 |
| G56100-0404 | 4SLI-4MP | 1/4 | 1/4-18 | 1 |
| G56100-0406 | 4SLI-6MP | 1/4 | 3/8-18 | 1 |
| G56100-0502 | 5SLI-2MP | 5/16 | 1/8-27 | 1 |
| G56100-0504 | 5SLI-4MP | 5/16 | 1/4-18 | 1 |
| G56100-0506 | 5SLI-6MP | 5/16 | 3/8-18 | 1 |
| G56100-0602 | 6SLI-2MP | 3/8 | 1/8-27 | 1 |
| G56100-0604 | 6SLI-4MP | 3/8 | 1/4-18 | 1 |

Industrial SureLok™ to Male Pipe - Continued

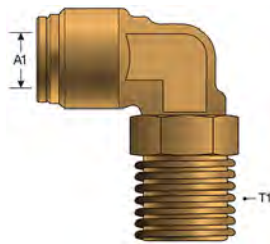
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-----------|------|---|---------------|
| | | " | T1 (in) | |
| G56100-0606 | 6SLI-6MP | 3/8 | 3/8-18 | 1 |
| G56100-0608 | 6SLI-8MP | 3/8 | 1/2-14 | 1 |
| G56100-0806 | 8SLI-6MP | 1/2 | 3/8-18 | 1 |
| G56100-0808 | 8SLI-8MP | 1/2 | 1/2-14 | 1 |
| G56100-2502 | 25SLI-2MP | 5/32 | 1/8-27 | 1 |
| G56100-2504 | 25SLI-4MP | 5/32 | 1/4-18 | 1 |


Industrial SureLok™ to Male Pipe - 90°



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|-----|---|---------------|
| | | " | T1 (in) | |
| G56104-0402 | 4SLI-2MP90 | 1/4 | 1/8-27 | 1 |
| G56104-0404 | 4SLI-4MP90 | 1/4 | 1/4-18 | 1 |
| G56104-0604 | 6SLI-4MP90 | 3/8 | 1/4-18 | 1 |
| G56104-0606 | 6SLI-6MP90 | 3/8 | 3/8-18 | 1 |


Industrial SureLok™ to Male Pipe Swivel - 90°



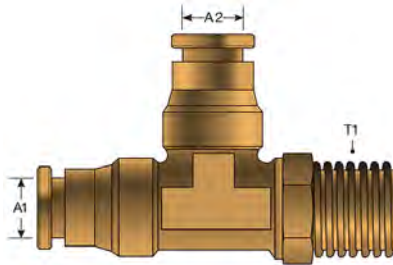
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------------|------|---|---------------|
| | | " | T1 (in) | |
| G56124-0202 | 2SLI-2MPX90 | 1/8 | 1/8-27 | 1 |
| G56124-0204 | 2SLI-4MPX90 | 1/8 | 1/4-18 | 1 |
| G56124-0402 | 4SLI-2MPX90 | 1/4 | 1/8-27 | 1 |
| G56124-0404 | 4SLI-4MPX90 | 1/4 | 1/4-18 | 1 |
| G56124-0406 | 4SLI-6MPX90 | 1/4 | 3/8-18 | 1 |
| G56124-0502 | 5SLI-2MPX90 | 5/16 | 1/8-27 | 1 |
| G56124-0504 | 5SLI-4MPX90 | 5/16 | 1/4-18 | 1 |
| G56124-0506 | 5SLI-6MPX90 | 5/16 | 3/8-18 | 1 |
| G56124-0602 | 6SLI-2MPX90 | 3/8 | 1/8-27 | 1 |
| G56124-0604 | 6SLI-4MPX90 | 3/8 | 1/4-18 | 1 |
| G56124-0606 | 6SLI-6MPX90 | 3/8 | 3/8-18 | 1 |
| G56124-0608 | 6SLI-8MPX90 | 3/8 | 1/2-14 | 1 |


- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Industrial SureLok™ to Male Pipe Swivel - 90° - Continued

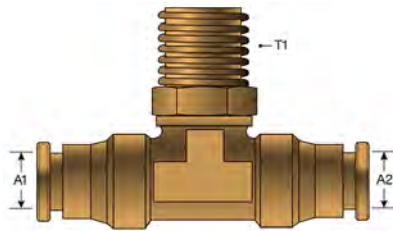
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|---------------|------|---|---------------|
| | | " | T1 (in) | |
| G56124-0804 | 8SLI-4MPX90 | 1/2 | 1/4-18 | 1 |
| G56124-0806 | 8SLI-6MPX90 | 1/2 | 3/8-18 | 1 |
| G56124-0808 | 8SLI-8MPX90 | 1/2 | 1/2-14 | 1 |
| G56124-2502 | 2.5SLI-2MPX90 | 5/32 | 1/8-27 | 1 |


Industrial SureLok™ Run Tee to Male Pipe Swivel



| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|----------------|-----|-----|---|---------------|
| | | " | " | T1 (in) | |
| G56140-0402 | 4MPX-2SLI-2SLI | 1/8 | 1/8 | 1/4-18 | 1 |
| G56140-0404 | 4MPX-4SLI-4SLI | 1/4 | 1/4 | 1/4-18 | 1 |
| G56140-0604 | 6MPX-4SLI-4SLI | 1/4 | 1/4 | 3/8-18 | 1 |
| G56140-0606 | 6MPX-6SLI-6SLI | 3/8 | 3/8 | 3/8-18 | 1 |
| G56140-0806 | 8MPX-6SLI-6SLI | 3/8 | 3/8 | 1/2-14 | 1 |
| G56140-0808 | 8MPX-8SLI-8SLI | 1/2 | 1/2 | 1/2-14 | 1 |


Industrial SureLok™ Branch Tee to Male Pipe Swivel



| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|------------------|------|------|---|---------------|
| | | " | " | T1 (in) | |
| G56142-0202 | 2SLI-2SLI-2MPX | 1/8 | 1/8 | 1/8-27 | 1 |
| G56142-0402 | 4SLI-4SLI-2MPX | 1/4 | 1/4 | 1/8-27 | 1 |
| G56142-0404 | 4SLI-4SLI-4MPX | 1/4 | 1/4 | 1/4-18 | 1 |
| G56142-0604 | 6SLI-6SLI-4MPX | 3/8 | 3/8 | 1/4-18 | 1 |
| G56142-0606 | 6SLI-6SLI-6MPX | 3/8 | 3/8 | 3/8-18 | 1 |
| G56142-0608 | 6SLI-6SLI-8MPX | 3/8 | 3/8 | 1/2-14 | 1 |
| G56142-0804 | 8SLI-8SLI-4MPX | 1/2 | 1/2 | 1/4-18 | 1 |
| G56142-0806 | 8SLI-8SLI-6MPX | 1/2 | 1/2 | 3/8-18 | 1 |
| G56142-0808 | 8SLI-8SLI-8MPX | 1/2 | 1/2 | 1/2-14 | 1 |
| G56142-2502 | 25SLI-25SLI-2MPX | 5/32 | 5/32 | 1/8-27 | 1 |

Industrial SureLok™ to Female Pipe



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|-----|--|---------------|
| | | " | T1 (in) | |
| G56150-0202 | 2SLI-2FP | 1/8 | 1/8-27 | 1 |
| G56150-0204 | 2SLI-4FP | 1/8 | 1/4-18 | 1 |
| G56150-0402 | 4SLI-2FP | 1/4 | 1/8-27 | 1 |
| G56150-0404 | 4SLI-4FP | 1/4 | 1/4-18 | 1 |
| G56150-0604 | 6SLI-4FP | 3/8 | 1/4-18 | 1 |
| G56150-0606 | 6SLI-6FP | 3/8 | 3/8-18 | 1 |

Industrial SureLok™ Bulkhead Union



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|----------------|-----|-----|---------------|
| | | " | " | |
| G56300-0202 | 2SLI-2SLI-BKHD | 1/8 | 1/8 | 1 |
| G56300-0404 | 4SLI-4SLI-BKHD | 1/4 | 1/4 | 1 |
| G56300-0606 | 6SLI-6SLI-BKHD | 3/8 | 3/8 | 1 |
| G56300-0808 | 8SLI-8SLI-BKHD | 1/2 | 1/2 | 1 |

Industrial SureLok™ Union



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|-------------|------|------|---------------|
| | | " | " | |
| G56400-0202 | 2SLI-2SLI | 1/8 | 1/8 | 1 |
| G56400-0204 | 2SLI-4SLI | 1/8 | 1/4 | 1 |
| G56400-0404 | 4SLI-4SLI | 1/4 | 1/4 | 1 |
| G56400-0406 | 4SLI-6SLI | 1/4 | 3/8 | 1 |
| G56400-0505 | 5SLI-5SLI | 5/16 | 5/16 | 1 |
| G56400-0606 | 6SLI-6SLI | 3/8 | 3/8 | 1 |
| G56400-0608 | 6SLI-8SLI | 3/8 | 1/2 | 1 |
| G56400-0808 | 8SLI-8SLI | 1/2 | 1/2 | 1 |
| G56400-1010 | 10SLI-10SLI | 5/8 | 5/8 | 1 |
| G56400-1212 | 12SLI-12SLI | 3/4 | 3/4 | 1 |
| G56400-2504 | 25SLI-4SLI | 5/32 | 1/4 | 1 |
| G56400-2525 | 25SLI-25SLI | 5/32 | 5/32 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

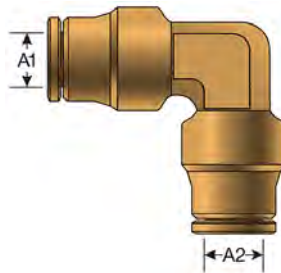
KITS &
ASSORTMENTS

Industrial SureLok™ Double Union



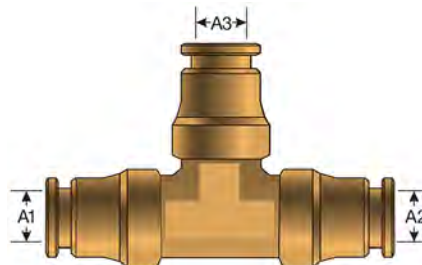
| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|---------------|------|------|---------------|
| | | " | " | |
| G56402-0202 | 2SLI-2SLI-D | 1/8 | 1/8 | 1 |
| G56402-0404 | 4SLI-4SLI-D | 1/4 | 1/4 | 1 |
| G56402-0505 | 5SLI-5SLI-D | 5/16 | 5/16 | 1 |
| G56402-0606 | 6SLI-6SLI-D | 3/8 | 3/8 | 1 |
| G56402-0808 | 8SLI-8SLI-D | 1/2 | 1/2 | 1 |
| G56402-2525 | 25SLI-25SLI-D | 5/32 | 5/32 | 1 |

Industrial SureLok™ Union - 90°



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|---------------|------|------|---------------|
| | | " | " | |
| G56404-0202 | 2SLI-2SLI90 | 1/8 | 1/8 | 1 |
| G56404-0404 | 4SLI-4SLI90 | 1/4 | 1/4 | 1 |
| G56404-0505 | 5SLI-5SLI90 | 5/16 | 5/16 | 1 |
| G56404-0606 | 6SLI-6SLI90 | 3/8 | 3/8 | 1 |
| G56404-0808 | 8SLI-8SLI90 | 1/2 | 1/2 | 1 |
| G56404-2525 | 25SLI-25SLI90 | 5/32 | 5/32 | 1 |

Industrial SureLok™ Union - Tee



| Part No. | Desc. | A1 | A2 | A3 | Standard Pack |
|-------------|----------------|-----|-----|-----|---------------|
| | | " | " | " | |
| G56450-0202 | 2SLI-2SLI-2SLI | 1/8 | 1/8 | 1/8 | 1 |
| G56450-0404 | 4SLI-4SLI-4SLI | 1/4 | 1/4 | 1/4 | 1 |

Industrial SureLok™ Union - Tee - Continued

| Part No. | Desc. | A1 | A2 | A3 | Standard Pack |
|-------------|-------------------|------|------|------|---------------|
| | | " | " | " | |
| G56450-0505 | 5SLI-5SLI-5SLI | 5/16 | 5/16 | 5/16 | 1 |
| G56450-0606 | 6SLI-6SLI-6SLI | 3/8 | 3/8 | 3/8 | 1 |
| G56450-0808 | 8SLI-8SLI-8SLI | 1/2 | 1/2 | 1/2 | 1 |
| G56450-1212 | 12SLI-12SLI-12SLI | 3/4 | 3/4 | 3/4 | 1 |
| G56450-2525 | 25SLI-25SLI-25SLI | 5/32 | 5/32 | 5/32 | 1 |

- AIR BRAKE
NYLON TUBING
- AIR BRAKE
COPPER TUBING
- AIR BRAKE
SURELOK
- COMPOSITE AIR
BRAKE SURELOK
- AIR BRAKE
COMPRESSION
FITTINGS
- AIR BRAKE
COUPLINGS FOR
RUBBER HOSE
- VALVES
- BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE
ADAPTERS
- COPPER TUBING
INDUSTRIAL
COMPRESSION
- INDUSTRIAL
SURELOK**
- MINI-BARBED
TUBE
- POLY
INDUSTRIAL
COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE
FLARE
- THREADED
SLEEVE
- KITS &
ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Recommended For: Pneumatic applications, lubrication and cooling lines, vacuum and fluid systems.

Used With: Polyethylene tubing

Features and Benefits: Allows for quick connection without any tube preparation. Barbed design provides a safe connection and a positive, tactile feel when the connection is made.

Conformance: Works with barbed tube designs such as SAE J1231.

Working Pressure: Dependent on the burst pressure of the polyethylene tubing.

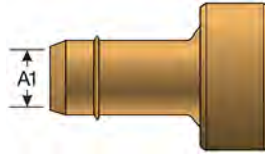
Temperature Range: -65°F to +250°F (-53° to +121°C)

Material: 360 Brass

Assembly Instructions:

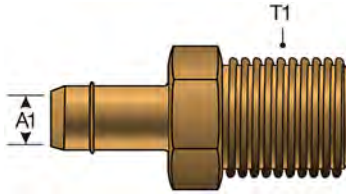
1. Ensure there are not any burrs on the tubing and the end is cut square.
2. Push the tubing over the insert until the tubing bottoms out on the connector body.


Plug



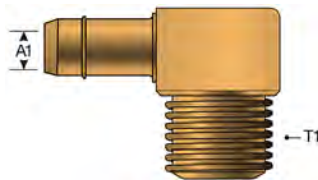
| Part No. | Desc. | A1 | Standard Pack |
|-------------|-----------|-----|---------------|
| | | " | |
| G57050-0004 | 4PLUG-MBT | 1/4 | 5 |
| G57050-0006 | 6PLUG-MBT | 3/8 | 1 |
| G57050-0008 | 8PLUG-MBT | 1/2 | 1 |


Mini-Barb to Male Pipe



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-----------|------|---|---------------|
| | | " | T1 (in) | |
| G57100-0401 | 4MBT-1MP | 1/4 | 1/16-32 | 1 |
| G57100-0402 | 4MBT-2MP | 1/4 | 1/8-27 | 1 |
| G57100-0404 | 4MBT-4MP | 1/4 | 1/4-18 | 1 |
| G57100-0602 | 6MBT-2MP | 3/8 | 1/8-27 | 1 |
| G57100-0604 | 6MBT-4MP | 3/8 | 1/4-18 | 1 |
| G57100-0608 | 6MBT-8MP | 3/8 | 1/2-14 | 1 |
| G57100-0806 | 8MBT-6MP | 1/2 | 3/8-18 | 1 |
| G57100-2502 | 25MBT-2MP | 5/32 | 1/8-27 | 1 |

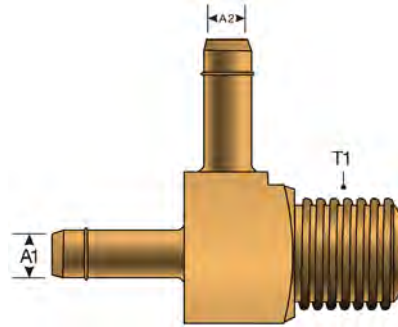
Mini-Barb to Male Pipe - 90°




| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|-----|---|---------------|
| | | " | T1 (in) | |
| G57104-0401 | 4MBT-1MP90 | 1/4 | 1/16-32 | 1 |
| G57104-0402 | 4MBT-2MP90 | 1/4 | 1/8-27 | 1 |
| G57104-0404 | 4MBT-4MP90 | 1/4 | 1/4-18 | 1 |
| G57104-0602 | 6MBT-2MP90 | 3/8 | 1/8-27 | 1 |
| G57104-0604 | 6MBT-4MP90 | 3/8 | 1/4-18 | 1 |
| G57104-0806 | 8MBT-6MP90 | 1/2 | 3/8-18 | 1 |

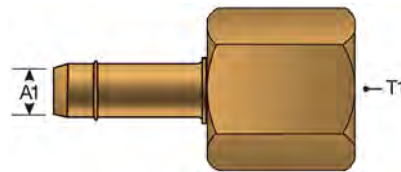
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Mini-Barb Run Tee to Male Pipe



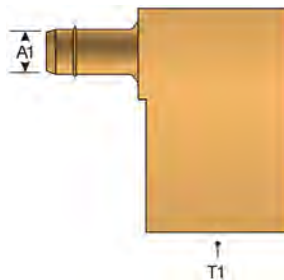
| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|---------------|-----|-----|---|---------------|
| | | " | " | T1 (in) | |
| G57130-0204 | 2MP-4MBT-4MBT | 1/4 | 1/4 | 1/8-27 | 1 |
| G57130-0206 | 2MP-6MBT-6MBT | 3/8 | 3/8 | 1/8-27 | 1 |
| G57130-0402 | 4MP-2MBT-2MBT | 1/8 | 1/8 | 1/8-27 | 1 |
| G57130-0602 | 6MP-2MBT-2MBT | 1/8 | 1/8 | 1/8-27 | 1 |
| G57130-0604 | 6MP-4MBT-4MBT | 1/4 | 1/4 | 3/8-18 | 1 |


Mini-Barb to Female Pipe



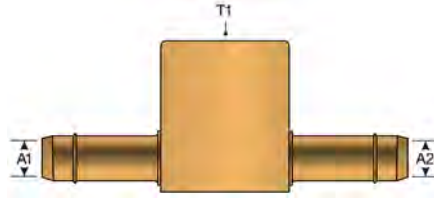
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|-----|---|---------------|
| | | " | T1 (in) | |
| G57150-0402 | 4MBT-2FP | 1/4 | 1/8-27 | 1 |
| G57150-0404 | 4MBT-4FP | 1/4 | 1/4-18 | 1 |


Mini-Barb to Female Pipe - 90°



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|-----|---|---------------|
| | | " | T1 (in) | |
| G57154-0402 | 4MBT-2FP90 | 1/4 | 1/8-27 | 1 |
| G57154-0604 | 6MBT-4FP90 | 3/8 | 1/4-18 | 1 |

Mini-Barb Branch Tee to Female Pipe



| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|---------------|-----|-----|---|---------------|
| | | " | " | T1 (in) | |
| G57160-0402 | 4MBT-4MBT-2FP | 1/4 | 1/4 | 1/8-27 | 1 |

Mini-Barb to Industrial Copper Tubing Compression



| Part No. | Desc. | A1 | Standard Pack |
|-------------|-----------|------|---------------|
| | | " | |
| G57190-0304 | 3MBT-4MFA | 3/16 | 1 |
| G57190-0404 | 4MBT-4MFA | 1/4 | 1 |

Mini-Barb Bulkhead Union



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|----------------|-----|-----|---------------|
| | | " | " | |
| G57300-0404 | 4MBT-4MBT-BKHD | 1/4 | 1/4 | 1 |
| G57300-0606 | 6MBT-6MBT-BKHD | 3/8 | 3/8 | 1 |
| G57300-0808 | 8MBT-8MBT-BKHD | 1/2 | 1/2 | 1 |

Mini-Barb to Copper Tubing Industrial Compression Assembly Bulkhead



| Part No. | Desc. | A1 | Standard Pack |
|-------------|----------------|-----|---------------|
| | | " | |
| G57350-0404 | 4MBT-4MFA-BKHD | 1/4 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Mini-Barb to Copper Tubing Industrial Compression Assembly Bulkhead - Continued

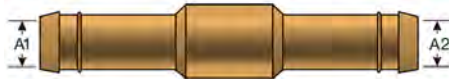
| Part No. | Desc. | A1 | Standard Pack |
|-------------|----------------|-----|---------------|
| | | " | |
| G57350-0606 | 6MBT-6MFA-BKHD | 3/8 | 1 |

Mini-Barb Union



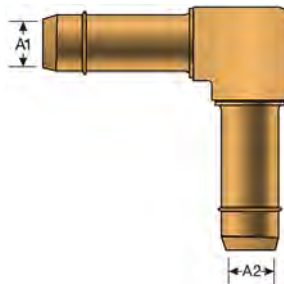
| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|-----------|------|-----|---------------|
| | | " | " | |
| G57400-0304 | 3MBT-4MBT | 3/16 | 1/4 | 1 |
| G57400-0404 | 4MBT-4MBT | 1/4 | 1/4 | 1 |
| G57400-0406 | 4MBT-6MBT | 1/4 | 3/8 | 1 |
| G57400-0606 | 6MBT-6MBT | 3/8 | 3/8 | 1 |
| G57400-0804 | 8MBT-4MBT | 1/2 | 1/4 | 1 |
| G57400-0806 | 8MBT-6MBT | 1/2 | 3/8 | 1 |
| G57400-0808 | 8MBT-8MBT | 1/2 | 1/2 | 1 |

Mini-Barb Union - Long



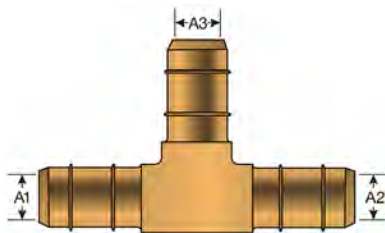
| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|------------|-----|-----|---------------|
| | | " | " | |
| G57401-0404 | 4MBT-4MBTL | 1/4 | 1/4 | 1 |

Mini-Barb Union - 90°



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|-------------|-----|-----|---------------|
| | | " | " | |
| G57404-0404 | 4MBT-4MBT90 | 1/4 | 1/4 | 1 |
| G57404-0606 | 6MBT-6MBT90 | 3/8 | 3/8 | 1 |
| G57404-0808 | 8MBT-8MBT90 | 1/2 | 1/2 | 1 |

Mini-Barb Union - Tee



| Part No. | Desc. | A1 | A2 | A3 | Standard Pack |
|-------------|----------------|-----|-----|-----|---------------|
| | | " | " | " | |
| G57452-0404 | 4MBT-4MBT-4MBT | 1/4 | 1/4 | 1/4 | 1 |
| G57452-0604 | 6MBT-4MBT-4MBT | 3/8 | 1/4 | 1/4 | 1 |
| G57452-0606 | 6MBT-6MBT-6MBT | 3/8 | 3/8 | 3/8 | 1 |
| G57452-0608 | 6MBT-8MBT-6MBT | 3/8 | 1/2 | 3/8 | 1 |
| G57452-0804 | 8MBT-8MBT-4MBT | 1/2 | 1/2 | 1/4 | 1 |
| G57452-0806 | 8MBT-8MBT-6MBT | 1/2 | 1/2 | 3/8 | 1 |
| G57452-0808 | 8MBT-8MBT-8MBT | 1/2 | 1/2 | 1/2 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

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BRASS LOCK-ON
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BARB STEM

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AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| | | | | |
|-----------------------|--------|---------|--------|----------|
| Tube O.D. (in) | 1/4 | 5/16 | 3/8 | 1/2 |
| Thread Size | 3/8-24 | 7/16-24 | 1/2-24 | 11/16-20 |

Recommended For: Hydraulic and pneumatic systems.

Used With: Polyvinylchloride and polyethylene tubing

Features and Benefits: Easy installation without any required tube flaring.

Conformance: Exclusive product design not requiring flaring.

Working Pressure: 200 psi (14 bar)

Temperature Range: -65°F to +250°F (-53° to +121°C)

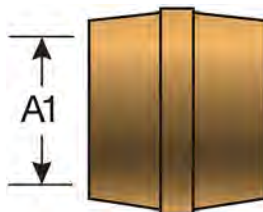
Material: 360 Brass with plastic sleeve

Assembly Instructions:

1. Measure the tube and cut to the desired length. Ensure the tube is free from burrs and cut square.
2. Slide the nut and tube onto the sleeve.
3. Insert the tube and ensure it bottoms out on the seat of the fitting.
4. Hand tighten the fitting and place one mark on the nut.
5. Tighten with a wrench using the number of turns shown on the chart below.

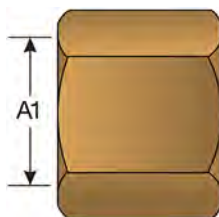
| Tube Size | Turns from Hand Tight |
|-----------|-----------------------|
| 3/16 | 1-1/3 |
| 1/4 | 1-2/3 |
| 5/16 | 2-2/3 |
| 3/8 | 2 |

Tubing Sleeve



| Part No. | Desc. | A1 | Standard Pack |
|-------------|-----------|------|---------------|
| | | " | |
| G58050-0002 | 2TSI-PVC | 1/8 | 5 |
| G58050-0003 | 3TSI-PVC | 3/16 | 5 |
| G58050-0004 | 4TSI-PVC | 1/4 | 5 |
| G58050-0005 | 5TSI-PVC | 5/16 | 1 |
| G58050-0006 | 6TSI-PVC | 3/8 | 1 |
| G58050-0008 | 8TSI-PVC | 1/2 | 1 |
| G58050-0010 | 10TSI-PVC | 5/8 | 1 |
| G58050-0012 | 12TSI-PVC | 3/4 | 1 |
| G58050-0016 | 16TSI-PVC | 1 | 1 |

Tubing Sleeve Nut



| Part No. | Desc. | A1 | Standard Pack |
|-------------|-----------|------|---------------|
| | | " | |
| G58060-0002 | 2TSN-PVC | 1/8 | 5 |
| G58060-0003 | 3TSN-PVC | 3/16 | 5 |
| G58060-0004 | 4TSN-PVC | 1/4 | 5 |
| G58060-0005 | 5TSN-PVC | 5/16 | 1 |
| G58060-0006 | 6TSN-PVC | 3/8 | 1 |
| G58060-0008 | 8TSN-PVC | 1/2 | 1 |
| G58060-0010 | 10TSN-PVC | 5/8 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
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COPPER TUBING
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INDUSTRIAL
COMPRESSION

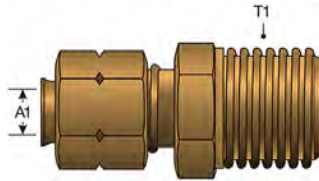
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

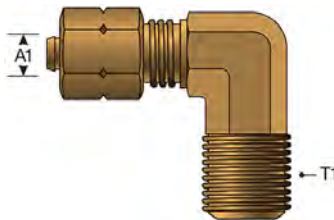
KITS &
ASSORTMENTS


Compression PVC to Male Pipe



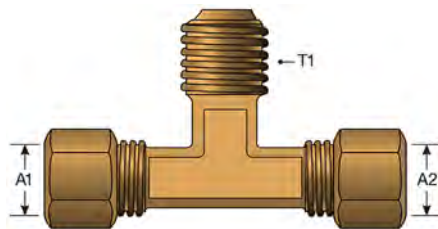
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|------------|------|---|---------------|
| | | " | T1 (in) | |
| G58100-0201 | 2PVC-1MP | 1/8 | 1/16-32 | 1 |
| G58100-0202 | 2PVC-2MP | 1/8 | 1/8-27 | 1 |
| G58100-0302 | 3PVC-2MP | 3/16 | 1/8-27 | 1 |
| G58100-0304 | 3PVC-4MP | 3/16 | 1/4-18 | 1 |
| G58100-0402 | 4PVC-2MP | 1/4 | 1/8-27 | 1 |
| G58100-0404 | 4PVC-4MP | 1/4 | 1/4-18 | 1 |
| G58100-0502 | 5PVC-2MP | 5/16 | 1/8-27 | 1 |
| G58100-0504 | 5PVC-4MP | 5/16 | 1/4-18 | 1 |
| G58100-0604 | 6PVC-4MP | 3/8 | 1/4-18 | 1 |
| G58100-0606 | 6PVC-6MP | 3/8 | 3/8-18 | 1 |
| G58100-0608 | 6PVC-8MP | 3/8 | 1/2-14 | 1 |
| G58100-1212 | 12PVC-12MP | 3/4 | 3/4-14 | 1 |


Compression PVC to Male Pipe - 90°



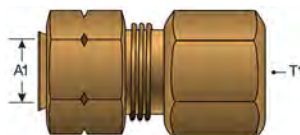
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------------|------|---|---------------|
| | | " | T1 (in) | |
| G58104-0201 | 2PVC-1MP90 | 1/8 | 1/16-32 | 1 |
| G58104-0202 | 2PVC-2MP90 | 1/8 | 1/8-27 | 1 |
| G58104-0302 | 3PVC-2MP90 | 3/16 | 1/8-27 | 1 |
| G58104-0402 | 4PVC-2MP90 | 1/4 | 1/8-27 | 1 |
| G58104-0404 | 4PVC-4MP90 | 1/4 | 1/4-18 | 1 |
| G58104-0604 | 6PVC-4MP90 | 3/8 | 1/4-18 | 1 |
| G58104-0606 | 6PVC-6MP90 | 3/8 | 3/8-18 | 1 |
| G58104-0608 | 6PVC-8MP90 | 3/8 | 1/2-14 | 1 |
| G58104-0808 | 8PVC-8MP90 | 1/2 | 1/2-14 | 1 |
| G58104-1008 | 10PVC-8MP90 | 5/8 | 1/2-14 | 1 |


Compression PVC Branch Tee to Male Pipe



| Part No. | Desc. | A1 | A2 |  | Standard Pack |
|-------------|---------------|-----|-----|---|---------------|
| | | " | " | T1 (in) | |
| G58134-0402 | 4PVC-4PVC-2MP | 1/4 | 1/4 | 1/8-27 | 1 |
| G58134-0604 | 6PVC-6PVC-4MP | 3/8 | 3/8 | 1/4-18 | 1 |
| G58134-0806 | 8PVC-8PVC-6MP | 1/2 | 1/2 | 3/8-18 | 1 |

Compression PVC to Female Pipe



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|----------|-----|---|---------------|
| | | " | T1 (in) | |
| G58150-0202 | 2PVC-2FP | 1/8 | 1/8-27 | 1 |
| G58150-0402 | 4PVC-2FP | 1/4 | 1/8-27 | 1 |
| G58150-0604 | 6PVC-4FP | 3/8 | 1/4-18 | 1 |

Compression PVC Union



| Part No. | Desc. | A1 | A2 | Standard Pack |
|-------------|-------------|------|------|---------------|
| | | " | " | |
| G58400-0202 | 2PVC-2PVC | 1/8 | 1/8 | 1 |
| G58400-0303 | 3PVC-3PVC | 3/16 | 3/16 | 1 |
| G58400-0404 | 4PVC-4PVC | 1/4 | 1/4 | 1 |
| G58400-0505 | 5PVC-5PVC | 5/16 | 5/16 | 1 |
| G58400-0606 | 6PVC-6PVC | 3/8 | 3/8 | 1 |
| G58400-0808 | 8PVC-8PVC | 1/2 | 1/2 | 1 |
| G58400-1010 | 10PVC-10PVC | 5/8 | 5/8 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| | | | | | | |
|--------------------|---------|--------|--------|--------|--------|--------|
| Pipe Size | 1/16 | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 |
| Thread Size | 1/16-27 | 1/8-27 | 1/4-18 | 3/8-18 | 1/2-14 | 3/4-14 |

Recommended For: Grease, refrigeration, and instrumentation.

Used With: Brass and steel tubing

Features and Benefits: A large range of sizes and configurations which covers most application needs.

Conformance: ASME, SAE

Working Pressure: 1,200 psi (82 bar)

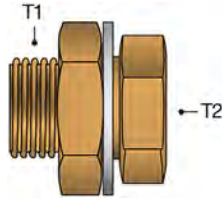
Temperature Range: -65°F to +250°F (-53° to +121°C)

Material: 360 Brass

Assembly Instructions:

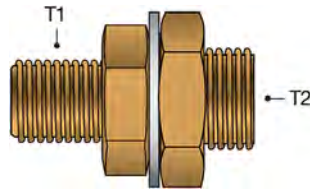
1. Align the threads and tighten 2-1/2 turns past hand tight.
2. If the connector states "Seal-A-Thread", only tighten 2 turns past hand tight.

Female Pipe to Female Pipe Bulkhead



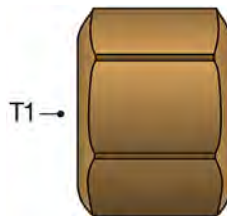
| Part No. | Desc. | T1 (in) | | Standard Pack |
|-------------|--------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33300-0202 | 2FP-2FPBKHD | 1/8-27 | 1/8-27 | 1 |
| G33300-0404 | 4FP-4FPBKHD | 1/4-18 | 1/4-18 | 1 |
| G33300-0606 | 6FP-6FPBKHD | 3/8-18 | 3/8-18 | 1 |
| G33300-0804 | 8FP-4FPBKHD | 1/2-14 | 1/4-18 | 1 |
| G33300-0808 | 8FP-8FPBKHD | 1/2-14 | 1/2-14 | 1 |
| G33301-0404 | 4FP-4FPBKHDS | 1/4-18 | 1/4-18 | 1 |
| G33301-0804 | 8FP-4FPBKHDS | 1/2-14 | 1/4-18 | 1 |

Male Pipe to Female Pipe Bulkhead



| Part No. | Desc. | T1 (in) | | Standard Pack |
|-------------|--------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G33302-0804 | 8MP-4FPBKHDL | 1/2-14 | 1/4-18 | 1 |
| G33303-0806 | 8MP-6FPBKHD | 1/2-14 | 3/8-18 | 1 |

Female Pipe Cap

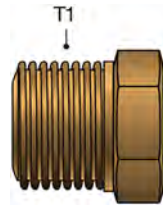



| Part No. | Desc. | T1 (in) | Standard Pack |
|-------------|-----------|---------|---------------|
| | | T1 (in) | |
| G60600-0002 | 2FPB-CAP | 1/8-27 | 1 |
| G60600-0004 | 4FPB-CAP | 1/4-18 | 1 |
| G60600-0006 | 6FPB-CAP | 3/8-18 | 1 |
| G60600-0008 | 8FPB-CAP | 1/2-14 | 1 |
| G60600-0012 | 12FPB-CAP | 3/4-14 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

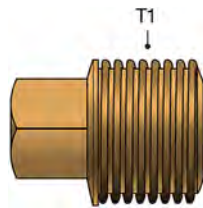
| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |


Male Pipe Plug - Hex Head



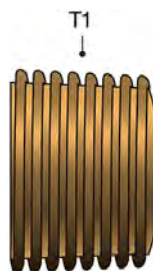
| Part No. | Desc. |  | Standard Pack |
|-------------|------------|---|---------------|
| | | T1 (in) | |
| G60601-0001 | 1MPB-PLUG | 1/16-32 | 5 |
| G60601-0002 | 2MPB-PLUG | 1/8-27 | 5 |
| G60601-0004 | 4MPB-PLUG | 1/4-18 | 1 |
| G60601-0006 | 6MPB-PLUG | 3/8-18 | 1 |
| G60601-0008 | 8MPB-PLUG | 1/2-14 | 1 |
| G60601-0012 | 12MPB-PLUG | 3/4-14 | 1 |


Male Pipe Plug - Square Head




| Part No. | Desc. |  | Standard Pack |
|-------------|--------------------|---|---------------|
| | | T1 (in) | |
| G60602-0002 | 2MPB-PLUG SQ HEAD | 1/8-27 | 5 |
| G60602-0004 | 4MPB-PLUG SQ HEAD | 1/4-18 | 5 |
| G60602-0006 | 6MPB-PLUG SQ HEAD | 3/8-18 | 1 |
| G60602-0008 | 8MPB-PLUG SQ HEAD | 1/2-14 | 1 |
| G60602-0012 | 12MPB-PLUG SQ HEAD | 3/4-14 | 1 |

Male Pipe Plug - Hex Key Head

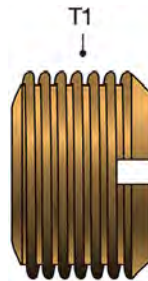



| Part No. | Desc. |  | Standard Pack |
|-------------|-------------------|---|---------------|
| | | T1 (in) | |
| G60603-0001 | 1MPB-PLUG HK HEAD | 1/16-32 | 5 |
| G60603-0002 | 2MPB-PLUG HK HEAD | 1/8-27 | 5 |

Male Pipe Plug - Hex Key Head - Continued

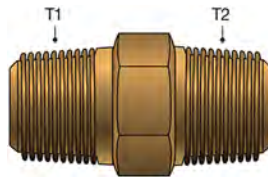
| Part No. | Desc. |  | | Standard Pack |
|-------------|-------------------|---|--|---------------|
| | | T1 (in) | | |
| G60603-0004 | 4MPB-PLUG HK HEAD | 1/4-18 | | 1 |
| G60603-0006 | 6MPB-PLUG HK HEAD | 3/8-18 | | 1 |
| G60603-0008 | 8MPB-PLUG HK HEAD | 1/2-14 | | 1 |


Male Pipe Plug - Slotted Head



| Part No. | Desc. |  | | Standard Pack |
|-------------|--------------|---|--|---------------|
| | | T1 (in) | | |
| G60604-0002 | 2MPB-PLUG-SL | 1/8-27 | | 5 |
| G60604-0004 | 4MPB-PLUG-SL | 1/4-18 | | 5 |
| G60604-0006 | 6MPB-PLUG-SL | 3/8-18 | | 1 |

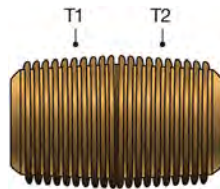
Male Pipe to Male Pipe Hex Nipple




| Part No. | Desc. |  | | Standard Pack |
|-------------|------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60605-0101 | 1MP-1MP | 1/16-32 | 1/16-32 | 1 |
| G60605-0102 | 1MP-2MPB | 1/16-32 | 1/8-27 | 1 |
| G60605-0202 | 2MP-2MPB | 1/8-27 | 1/8-27 | 1 |
| G60605-0204 | 2MP-4MPB | 1/8-27 | 1/4-18 | 1 |
| G60605-0206 | 2MP-6MPB | 1/8-27 | 3/8-18 | 1 |
| G60605-0404 | 4MP-4MPB | 1/4-18 | 1/4-18 | 1 |
| G60605-0406 | 4MP-6MPB | 1/4-18 | 3/8-18 | 1 |
| G60605-0408 | 4MP-8MPB | 1/4-18 | 1/2-14 | 1 |
| G60605-0606 | 6MP-6MPB | 3/8-18 | 3/8-18 | 1 |
| G60605-0608 | 6MP-8MPB | 3/8-18 | 1/2-14 | 1 |
| G60605-0808 | 8MP-8MPB | 1/2-14 | 1/2-14 | 1 |
| G60605-0812 | 8MP-12MPB | 1/2-14 | 3/4-14 | 1 |
| G60605-1212 | 12MP-12MPB | 3/4-14 | 3/4-14 | 1 |

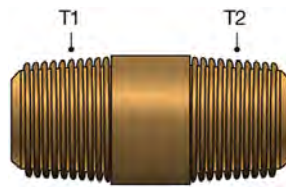
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS**
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Male Pipe to Male Pipe Close Nipple



| Part No. | Desc. |  | | Standard Pack |
|-------------|----------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60606-0202 | 2MP-2MPB-CNS | 1/8-27 | 1/8-27 | 1 |
| G60606-0404 | 4MP-4MPB-CNS | 1/4-18 | 1/4-18 | 1 |
| G60606-0606 | 6MP-6MPB-CNS | 3/8-18 | 3/8-18 | 1 |
| G60606-0808 | 8MP-8MPB-CNS | 1/2-14 | 1/2-14 | 1 |
| G60606-1212 | 12MP-12MPB-CNS | 3/4-14 | 3/4-14 | 1 |


Male Pipe to Male Pipe Medium Nipple



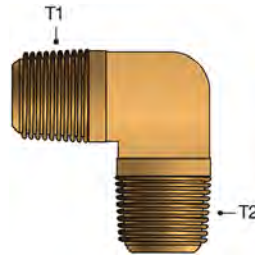
| Part No. | Desc. |  | | Standard Pack |
|-------------|--------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60607-0202 | 2MP-2MPB-CNL | 1/8-27 | 1/8-27 | 1 |
| G60607-0404 | 4MP-4MPB-CNL | 1/4-18 | 1/4-18 | 1 |
| G60607-0606 | 6MP-6MPB-CNL | 3/8-18 | 3/8-18 | 1 |


Male Pipe to Male Pipe Long Nipple



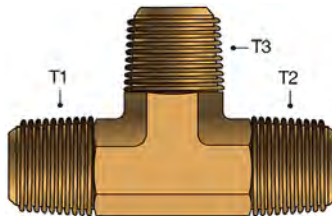
| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60608-0202 | 2MP-2MPB-CNXL | 1/8-27 | 1/8-27 | 1 |
| G60608-0404 | 4MP-4MPB-CNXL | 1/4-18 | 1/4-18 | 1 |
| G60608-0606 | 6MP-6MPB-CNXL | 3/8-18 | 3/8-18 | 1 |
| G60608-0808 | 8MP-8MPB-CNXL | 1/2-14 | 1/2-14 | 1 |
| G60608-1212 | 12MP-12MPB-CNXL | 3/4-14 | 3/4-14 | 1 |


Male Pipe NPTF to Male Pipe NPTF - 90°



| Part No. | Desc. |  | | Standard Pack |
|-------------|------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60610-0202 | 2MP-2MPB90 | 1/8-27 | 1/8-27 | 1 |
| G60610-0204 | 2MP-4MPB90 | 1/8-27 | 1/4-18 | 1 |
| G60610-0206 | 2MP-6MPB90 | 1/8-27 | 3/8-18 | 1 |
| G60610-0404 | 4MP-4MPB90 | 1/4-18 | 1/4-18 | 1 |
| G60610-0406 | 4MP-6MPB90 | 1/4-18 | 3/8-18 | 1 |
| G60610-0606 | 6MP-6MPB90 | 3/8-18 | 3/8-18 | 1 |
| G60610-0608 | 6MP-8MPB90 | 3/8-18 | 1/2-14 | 1 |
| G60610-0808 | 8MP-8MPB90 | 1/2-14 | 1/2-14 | 1 |

Male Pipe NPTF Union - Tee



| Part No. | Desc. |  | | | Standard Pack |
|-------------|-----------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60612-0202 | 2MP-2MP-2MPB | 1/8-27 | 1/8-27 | 1/8-27 | 1 |
| G60612-0404 | 4MP-4MP-4MPB | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G60612-0606 | 6MP-6MP-6MPB | 3/8-18 | 3/8-18 | 3/8-18 | 1 |
| G60612-0808 | 8MP-8MP-8MPB | 1/2-14 | 1/2-14 | 1/2-14 | 1 |
| G60612-1212 | 12MP-12MP-12MPB | 3/4-14 | 3/4-14 | 3/4-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
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BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

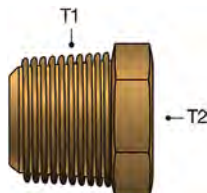
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

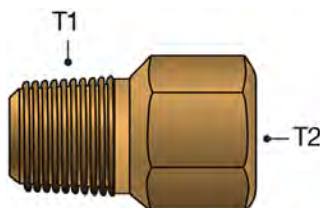
KITS &
ASSORTMENTS


Male Pipe to Female Pipe - Reducer



| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60614-0402 | 4MP-2FPB | 1/4-18 | 1/8-27 | 1 |
| G60614-0602 | 6MP-2FPB | 3/8-18 | 1/8-27 | 1 |
| G60614-0604 | 6MP-4FPB | 3/8-18 | 1/4-18 | 1 |
| G60614-0802 | 8MP-2FPB | 1/2-14 | 1/8-27 | 1 |
| G60614-0804 | 8MP-4FPB | 1/2-14 | 1/4-18 | 1 |
| G60614-0806 | 8MP-6FPB | 1/2-14 | 3/8-18 | 1 |
| G60614-1206 | 12MP-6FPB | 3/4-14 | 3/8-18 | 1 |
| G60614-1208 | 12MP-8FPB | 3/4-14 | 1/2-14 | 1 |

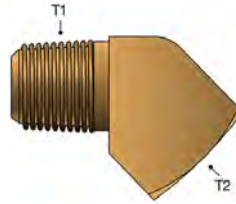
Male Pipe to Female Pipe - Long



| Part No. | Desc. |  | | Standard Pack |
|-------------|--------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60615-0102 | 1MP-2FPB-L | 1/16-32 | 1/8-27 | 1 |
| G60615-0202 | 2MP-2FPB-L | 1/8-27 | 1/8-27 | 1 |
| G60615-0204 | 2MP-4FPB-L | 1/8-27 | 1/4-18 | 1 |
| G60615-0206 | 2MP-6FPB-L | 1/8-27 | 3/8-18 | 1 |
| G60615-0404 | 4MP-4FPB-L | 1/4-18 | 1/4-18 | 1 |
| G60615-0406 | 4MP-6FPB-L | 1/4-18 | 3/8-18 | 1 |
| G60615-0408 | 4MP-8FPB-L | 1/4-18 | 1/2-14 | 1 |
| G60615-0606 | 6MP-6FPB-L | 3/8-18 | 3/8-18 | 1 |
| G60615-0608 | 6MP-8FPB-L | 3/8-18 | 1/2-14 | 1 |
| G60615-0808 | 8MP-8FPB-L | 1/2-14 | 1/2-14 | 1 |
| G60615-0812 | 8MP-12FPB-L | 1/2-14 | 3/4-14 | 1 |
| G60615-1212 | 12MP-12FPB-L | 3/4-14 | 3/4-14 | 1 |

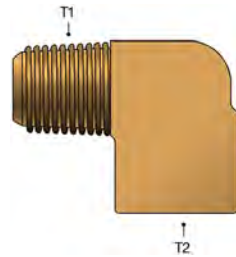
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Male Pipe to Female Pipe - 45°



| Part No. | Desc. | | | Standard Pack |
|-------------|-------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60618-0202 | 2MP-2FP45 | 1/8-27 | 1/8-27 | 1 |
| G60618-0404 | 4MP-4FP45 | 1/4-18 | 1/4-18 | 1 |
| G60618-0606 | 6MP-6FP45 | 3/8-18 | 3/8-18 | 1 |
| G60618-0808 | 8MP-8FP45 | 1/2-14 | 1/2-14 | 1 |
| G60618-1212 | 12MP-12FP45 | 3/4-14 | 3/4-14 | 1 |

Male Pipe to Female Pipe - 90°



| Part No. | Desc. | | | Standard Pack |
|-------------|--------------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60620-0101 | 1MP-1FPB90 | 1/16-32 | 1/16-32 | 1 |
| G60620-0202 | 2MP-2FPB90 | 1/8-27 | 1/8-27 | 1 |
| G60620-0204 | 2MP-4FPB90 | 1/8-27 | 1/4-18 | 1 |
| G60620-0402 | 4MP-2FPB90 | 1/4-18 | 1/8-27 | 1 |
| G60620-0404 | 4MP-4FPB90 | 1/4-18 | 1/4-18 | 1 |
| G60620-0406 | 4MP-6FPB90 | 1/4-18 | 3/8-18 | 1 |
| G60620-0604 | 6MP-4FPB90 | 3/8-18 | 1/4-18 | 1 |
| G60620-0606 | 6MP-6FPB90 | 3/8-18 | 3/8-18 | 1 |
| G60620-0608 | 6MP-8FPB90 | 3/8-18 | 1/2-14 | 1 |
| G60620-0806 | 8MP-6FPB90 | 1/2-14 | 3/8-18 | 1 |
| G60620-0808 | 8MP-8FPB90 | 1/2-14 | 1/2-14 | 1 |
| G60620-1212 | 12MP-12FPB90 | 3/4-14 | 3/4-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

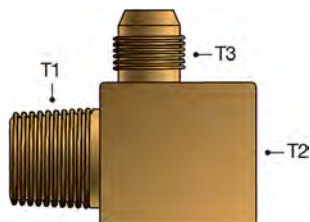
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

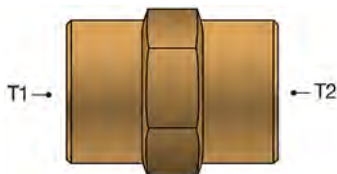
KITS &
ASSORTMENTS


Male Pipe to Female Pipe to Male SAE 45° Flare - Split Run Tee



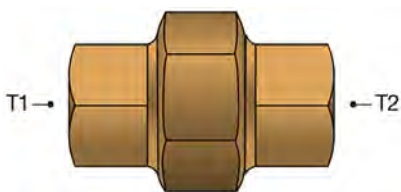
| Part No. | Desc. |  | | | Standard Pack |
|-------------|-------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60623-0203 | 2MP-2FP-3MS | 1/8-27 | 1/8-27 | 3/8-24 | 1 |


Female Pipe to Female Pipe




| Part No. | Desc. |  | | Standard Pack |
|-------------|------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60631-0101 | 1FP-1FPB | 1/16-32 | 1/16-32 | 1 |
| G60631-0202 | 2FP-2FPB | 1/8-27 | 1/8-27 | 1 |
| G60631-0402 | 4FP-2FPB | 1/4-18 | 1/8-27 | 1 |
| G60631-0404 | 4FP-4FPB | 1/4-18 | 1/4-18 | 1 |
| G60631-0602 | 6FP-2FPB | 3/8-18 | 1/8-27 | 1 |
| G60631-0604 | 6FP-4FPB | 3/8-18 | 1/4-18 | 1 |
| G60631-0606 | 6FP-6FPB | 3/8-18 | 3/8-18 | 1 |
| G60631-0806 | 8FP-6FPB | 1/2-14 | 3/8-18 | 1 |
| G60631-0808 | 8FP-8FPB | 1/2-14 | 1/2-14 | 1 |
| G60631-1208 | 12FP-8FPB | 3/4-14 | 1/2-14 | 1 |
| G60631-1212 | 12FP-12FPB | 3/4-14 | 3/4-14 | 1 |

Female Pipe to Female Pipe Swivel Union

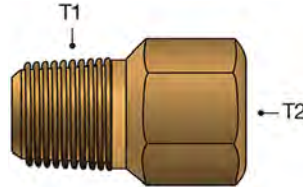



| Part No. | Desc. |  | | Standard Pack |
|-------------|-----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60632-0202 | 2FP-2FPXB | 1/8-27 | 1/8-27 | 1 |
| G60632-0404 | 4FP-4FPXB | 1/4-18 | 1/4-18 | 1 |
| G60632-0606 | 6FP-6FPXB | 3/8-18 | 3/8-18 | 1 |
| G60632-0808 | 8FP-8FPXB | 1/2-14 | 1/2-14 | 1 |

Female Pipe to Female Pipe Swivel Union - Continued

| Part No. | Desc. |  | | Standard Pack |
|-------------|-------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60632-1212 | 12FP-12FPXB | 3/4-14 | 3/4-14 | 1 |


Male Pipe to Female Pipe - Restriction



| Part No. | Desc. |  | | Standard Pack |
|-------------|----------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60633-0202 | 2MP-2FPR | 1/8-27 | 1/8-27 | 1 |

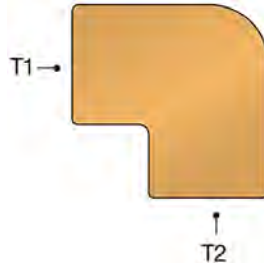
Female Pipe to Female Pipe - 45°



| Part No. | Desc. |  | | Standard Pack |
|-------------|--------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60635-0202 | 2FP-2FPB45 | 1/8-27 | 1/8-27 | 1 |
| G60635-0404 | 4FP-4FPB45 | 1/4-18 | 1/4-18 | 1 |
| G60635-0606 | 6FP-6FPB45 | 3/8-18 | 3/8-18 | 1 |
| G60635-0808 | 8FP-8FPB45 | 1/2-14 | 1/2-14 | 1 |
| G60635-1212 | 12FP-12FPB45 | 3/4-14 | 3/4-14 | 1 |

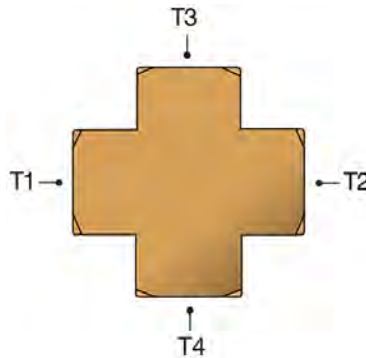
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Female Pipe to Female Pipe - 90°



| Part No. | Desc. | Standard Pack | | Standard Pack |
|-------------|--------------|---------------|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60637-0202 | 2FP-2FPB90 | 1/8-27 | 1/8-27 | 1 |
| G60637-0204 | 2FP-4FPB90 | 1/8-27 | 1/4-18 | 1 |
| G60637-0404 | 4FP-4FPB90 | 1/4-18 | 1/4-18 | 1 |
| G60637-0406 | 4FP-6FPB90 | 1/4-18 | 3/8-18 | 1 |
| G60637-0606 | 6FP-6FPB90 | 3/8-18 | 3/8-18 | 1 |
| G60637-0608 | 6FP-8FPB90 | 3/8-18 | 1/2-14 | 1 |
| G60637-0808 | 8FP-8FPB90 | 1/2-14 | 1/2-14 | 1 |
| G60637-1212 | 12FP-12FPB90 | 3/4-14 | 3/4-14 | 1 |

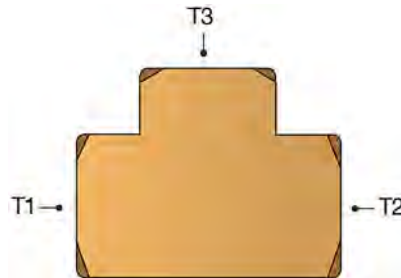
Female Pipe - Cross




| Part No. | Desc. | Standard Pack | | | | Standard Pack |
|-------------|----------------------|---------------|---------|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | T4 (in) | |
| G60639-0202 | 2FP-2FP-2FP-2FPB | 1/8-27 | 1/8-27 | 1/8-27 | 1/8-27 | 1 |
| G60639-0404 | 4FP-4FP-4FP-4FPB | 1/4-18 | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G60639-0606 | 6FP-6FP-6FP-6FPB | 3/8-18 | 3/8-18 | 3/8-18 | 3/8-18 | 1 |
| G60639-0808 | 8FP-8FP-8FP-8FPB | 1/2-14 | 1/2-14 | 1/2-14 | 1/2-14 | 1 |
| G60639-1212 | 12FP-12FP-12FP-12FPB | 3/4-14 | 3/4-14 | 3/4-14 | 3/4-14 | 1 |

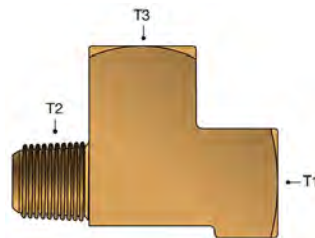
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
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- BARB STEM
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- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS


Female Pipe - Union Tee



| Part No. | Desc. |  | | | Standard Pack |
|-------------|-----------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60640-0101 | 1FP-1FP-1FPB | 1/16-32 | 1/16-32 | 1/16-32 | 1 |
| G60640-0202 | 2FP-2FP-2FPB | 1/8-27 | 1/8-27 | 1/8-27 | 1 |
| G60640-0204 | 2FP-2FP-4FPB | 1/8-27 | 1/8-27 | 1/4-18 | 1 |
| G60640-0402 | 4FP-4FP-2FPB | 1/4-18 | 1/4-18 | 1/8-27 | 1 |
| G60640-0404 | 4FP-4FP-4FPB | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G60640-0604 | 6FP-6FP-4FPB | 3/8-18 | 3/8-18 | 1/4-18 | 1 |
| G60640-0606 | 6FP-6FP-6FPB | 3/8-18 | 3/8-18 | 3/8-18 | 1 |
| G60640-0806 | 8FP-8FP-6FPB | 1/2-14 | 1/2-14 | 3/8-18 | 1 |
| G60640-0808 | 8FP-8FP-8FPB | 1/2-14 | 1/2-14 | 1/2-14 | 1 |
| G60640-1208 | 12FP-12FP-8FPB | 3/4-14 | 3/4-14 | 1/2-14 | 1 |
| G60640-1212 | 12FP-12FP-12FPB | 3/4-14 | 3/4-14 | 3/4-14 | 1 |

Male Pipe Run Tee to Female Pipe



| Part No. | Desc. |  | | | Standard Pack |
|-------------|-----------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60641-0202 | 2FP-2MP-2FPB | 1/8-27 | 1/8-27 | 1/8-27 | 1 |
| G60641-0404 | 4FP-4MP-4FPB | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G60641-0606 | 6FP-6MP-6FPB | 3/8-18 | 3/8-18 | 3/8-18 | 1 |
| G60641-0808 | 8FP-8MP-8FPB | 1/2-14 | 1/2-14 | 1/2-14 | 1 |
| G60641-1212 | 12FP-12MP-12FPB | 3/4-14 | 3/4-14 | 3/4-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

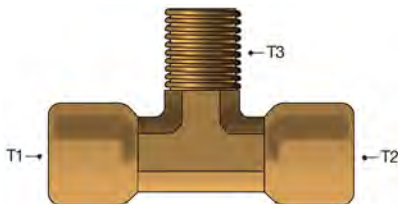
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Male Pipe Branch Tee to Female Pipe



| Part No. | Desc. |  | | | Standard Pack |
|-------------|-----------------|---|---------|---------|---------------|
| | | T1 (in) | T2 (in) | T3 (in) | |
| G60642-0202 | 2FP-2FP-2MPB | 1/8-27 | 1/8-27 | 1/8-27 | 1 |
| G60642-0404 | 4FP-4FP-4MPB | 1/4-18 | 1/4-18 | 1/4-18 | 1 |
| G60642-0606 | 6FP-6FP-6MPB | 3/8-18 | 3/8-18 | 3/8-18 | 1 |
| G60642-0808 | 8FP-8FP-8MPB | 1/2-14 | 1/2-14 | 1/2-14 | 1 |
| G60642-1212 | 12FP-12FP-12MPB | 3/4-14 | 3/4-14 | 3/4-14 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
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- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS**
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

| | | | | | | | | | |
|-----------------------|---------|--------|---------|--------|--------|----------|--------|--------|-----------|
| Tube O.D. (in) | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 |
| Thread Size | 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 |
| PSI | 2800 | 1900 | 1400 | 1200 | 1000 | 875 | 750 | 650 | 550 |

Recommended For: Air, fuel, oil, power steering, and water applications.

Used With: Copper, brass, aluminum, and flared steel tubing

Features and Benefits: Meets standard industry specifications; therefore, common tooling can quickly form the flared end on the tube to ensure a leak tight connection.

Conformance: ASME, SAE

Working Pressure: Up to 2,800 psi depending on the tube size. See chart above.

Temperature Range: -65°F to +250°F (-53° to +121°C)

Material: 360 Brass

Assembly Instructions:

1. Measure the desired length to be cut and mark the tube.
2. Cut the tube and ensure all burrs are removed and the ends are cut square.
3. Ensure the threaded end of the nut is facing out and slide the nut onto the tube.
4. Use a 45° flaring tool to flare the end of the tube. It is important to measure the flare diameter and to examine the flare for excessive thinning.
5. Lubricate the threads, assemble the connector body, and turn the nut until it is hand tight.
6. Using a wrench, tighten the assembly until a solid connection is felt and then apply a one-sixth turn.

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
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SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

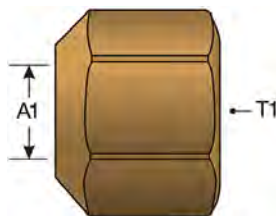
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

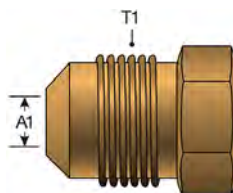
KITS &
ASSORTMENTS


Female SAE 45° Flare Cap



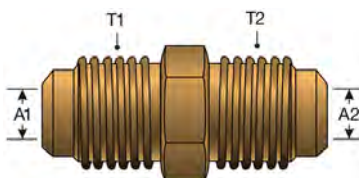
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|---------|------|--|---------------|
| | | " | T1 (in) | |
| G60643-0003 | 3FSCAP | 3/16 | 3/8-24 | 1 |
| G60643-0004 | 4FSCAP | 1/4 | 7/16-20 | 1 |
| G60643-0005 | 5FSCAP | 5/16 | 1/2-20 | 1 |
| G60643-0006 | 6FSCAP | 3/8 | 5/8-18 | 1 |
| G60643-0008 | 8FSCAP | 1/2 | 3/4-16 | 1 |
| G60643-0010 | 10FSCAP | 5/8 | 7/8-14 | 1 |
| G60643-0012 | 12FSCAP | 3/4 | 1 1/16-14 | 1 |


Male SAE Plug




| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-----------|------|--|---------------|
| | | " | T1 (in) | |
| G60644-0002 | 2MS-PLUG | 1/8 | 5/16-24 | 1 |
| G60644-0003 | 3MS-PLUG | 3/16 | 3/8-24 | 1 |
| G60644-0004 | 4MS-PLUG | 1/4 | 7/16-20 | 1 |
| G60644-0005 | 5MS-PLUG | 5/16 | 1/2-20 | 1 |
| G60644-0006 | 6MS-PLUG | 3/8 | 5/8-18 | 1 |
| G60644-0008 | 8MS-PLUG | 1/2 | 3/4-16 | 1 |
| G60644-0010 | 10MS-PLUG | 5/8 | 7/8-14 | 1 |
| G60644-0012 | 12MS-PLUG | 3/4 | 1 1/16-14 | 1 |

Male SAE 45° Flare to Male SAE 45° Flare

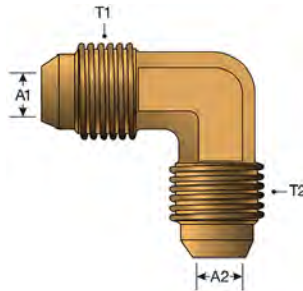



| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|---------|-----|-----|---|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G60645-0202 | 2MS-2MS | 1/8 | 1/8 | 5/16-24 | 5/16-24 | 1 |

Male SAE 45° Flare to Male SAE 45° Flare - Continued

| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|-----------|------|------|---|-----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G60645-0303 | 3MS-3MS | 3/16 | 3/16 | 3/8-24 | 3/8-24 | 1 |
| G60645-0403 | 4MS-3MS | 1/4 | 3/16 | 7/16-20 | 3/8-24 | 1 |
| G60645-0404 | 4MS-4MS | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 1 |
| G60645-0504 | 5MS-4MS | 5/16 | 1/4 | 1/2-20 | 7/16-20 | 1 |
| G60645-0505 | 5MS-5MS | 5/16 | 5/16 | 1/2-20 | 1/2-20 | 1 |
| G60645-0604 | 6MS-4MS | 3/8 | 1/4 | 5/8-18 | 7/16-20 | 1 |
| G60645-0605 | 6MS-5MS | 3/8 | 5/16 | 5/8-18 | 1/2-20 | 1 |
| G60645-0606 | 6MS-6MS | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 1 |
| G60645-0804 | 8MS-4MS | 1/2 | 1/4 | 3/4-16 | 7/16-20 | 1 |
| G60645-0806 | 8MS-6MS | 1/2 | 3/8 | 3/4-16 | 5/8-18 | 1 |
| G60645-0808 | 8MS-8MS | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 1 |
| G60645-1006 | 10MS-6MS | 5/8 | 3/8 | 7/8-14 | 5/8-18 | 1 |
| G60645-1008 | 10MS-8MS | 5/8 | 1/2 | 7/8-14 | 3/4-16 | 1 |
| G60645-1010 | 10MS-10MS | 5/8 | 5/8 | 7/8-14 | 7/8-14 | 1 |
| G60645-1208 | 12MS-8MS | 3/4 | 1/2 | 1 1/16-14 | 3/4-16 | 1 |
| G60645-1210 | 12MS-10MS | 3/4 | 5/8 | 1 1/16-14 | 7/8-14 | 1 |
| G60645-1212 | 12MS-12MS | 3/4 | 3/4 | 1 1/16-14 | 1 1/16-14 | 1 |

Male SAE 45° Flare to Male SAE 45° Flare - 90°

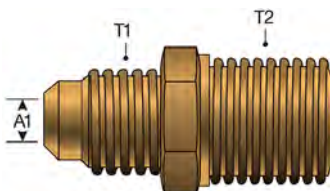


| Part No. | Desc. | A1 | A2 |  | | Standard Pack |
|-------------|-------------|------|------|---|-----------|---------------|
| | | " | " | T1 (in) | T2 (in) | |
| G60648-0202 | 2MS-2MS90 | 1/8 | 1/8 | 5/16-24 | 5/16-24 | 1 |
| G60648-0404 | 4MS-4MS90 | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 1 |
| G60648-0505 | 5MS-5MS90 | 5/16 | 5/16 | 1/2-20 | 1/2-20 | 1 |
| G60648-0604 | 6MS-4MS90 | 3/8 | 1/4 | 5/8-18 | 7/16-20 | 1 |
| G60648-0605 | 6MS-5MS90 | 3/8 | 5/16 | 5/8-18 | 1/2-20 | 1 |
| G60648-0606 | 6MS-6MS90 | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 1 |
| G60648-0804 | 8MS-4MS90 | 1/2 | 1/4 | 3/4-16 | 7/16-20 | 1 |
| G60648-0806 | 8MS-6MS90 | 1/2 | 3/8 | 3/4-16 | 5/8-18 | 1 |
| G60648-0808 | 8MS-8MS90 | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 1 |
| G60648-1006 | 10MS-6MS90 | 5/8 | 3/8 | 7/8-14 | 5/8-18 | 1 |
| G60648-1008 | 10MS-8MS90 | 5/8 | 1/2 | 7/8-14 | 3/4-16 | 1 |
| G60648-1010 | 10MS-10MS90 | 5/8 | 5/8 | 7/8-14 | 7/8-14 | 1 |
| G60648-1210 | 12MS-10MS90 | 3/4 | 5/8 | 1 1/16-14 | 7/8-14 | 1 |
| G60648-1212 | 12MS-12MS90 | 3/4 | 3/4 | 1 1/16-14 | 1 1/16-14 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

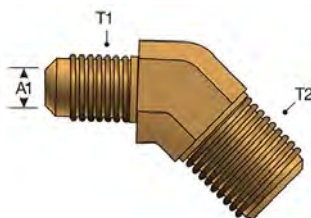
| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Male SAE 45° Flare to Male Pipe




| Part No. | Desc. | A1 | T1 | | Standard Pack |
|-------------|-----------|------|-----------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60650-0202 | 2MS-2MP | 1/8 | 5/16-24 | 1/8-27 | 1 |
| G60650-0302 | 3MS-2MP | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G60650-0402 | 4MS-2MP | 1/4 | 7/16-20 | 1/8-27 | 1 |
| G60650-0404 | 4MS-4MP | 1/4 | 7/16-20 | 1/4-18 | 1 |
| G60650-0406 | 4MS-6MP | 1/4 | 7/16-20 | 3/8-18 | 1 |
| G60650-0408 | 4MS-8MP | 1/4 | 7/16-20 | 1/2-14 | 1 |
| G60650-0502 | 5MS-2MP | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60650-0504 | 5MS-4MP | 5/16 | 1/2-20 | 1/4-18 | 1 |
| G60650-0506 | 5MS-6MP | 5/16 | 1/2-20 | 3/8-18 | 1 |
| G60650-0602 | 6MS-2MP | 3/8 | 5/8-18 | 1/8-27 | 1 |
| G60650-0604 | 6MS-4MP | 3/8 | 5/8-18 | 1/4-18 | 1 |
| G60650-0606 | 6MS-6MP | 3/8 | 5/8-18 | 3/8-18 | 1 |
| G60650-0608 | 6MS-8MP | 3/8 | 5/8-18 | 1/2-14 | 1 |
| G60650-0704 | 7MS-4MP | 7/16 | 11/16-16 | 1/4-18 | 1 |
| G60650-0804 | 8MS-4MP | 1/2 | 3/4-16 | 1/4-18 | 1 |
| G60650-0806 | 8MS-6MP | 1/2 | 3/4-16 | 3/8-18 | 1 |
| G60650-0808 | 8MS-8MP | 1/2 | 3/4-16 | 1/2-14 | 1 |
| G60650-0812 | 8MS-12MP | 1/2 | 3/4-16 | 3/4-14 | 1 |
| G60650-1006 | 10MS-6MP | 5/8 | 7/8-14 | 3/8-18 | 1 |
| G60650-1008 | 10MS-8MP | 5/8 | 7/8-14 | 1/2-14 | 1 |
| G60650-1012 | 10MS-12MP | 5/8 | 7/8-14 | 3/4-14 | 1 |
| G60650-1208 | 12MS-8MP | 3/4 | 1 1/16-14 | 1/2-14 | 1 |
| G60650-1212 | 12MS-12MP | 3/4 | 1 1/16-14 | 3/4-14 | 1 |

Male SAE 45° Flare to Male Pipe - 45°

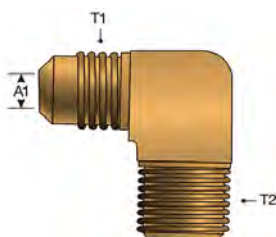



| Part No. | Desc. | A1 | T1 | | Standard Pack |
|-------------|-----------|------|---------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60652-0402 | 4MS-2MP45 | 1/4 | 7/16-20 | 1/8-27 | 1 |
| G60652-0404 | 4MS-4MP45 | 1/4 | 7/16-20 | 1/4-18 | 1 |
| G60652-0502 | 5MS-2MP45 | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60652-0504 | 5MS-4MP45 | 5/16 | 1/2-20 | 1/4-18 | 1 |
| G60652-0604 | 6MS-4MP45 | 3/8 | 5/8-18 | 1/4-18 | 1 |
| G60652-0606 | 6MS-6MP45 | 3/8 | 5/8-18 | 3/8-18 | 1 |
| G60652-0608 | 6MS-8MP45 | 3/8 | 5/8-18 | 1/2-14 | 1 |
| G60652-0806 | 8MS-6MP45 | 1/2 | 3/4-16 | 3/8-18 | 1 |
| G60652-0808 | 8MS-8MP45 | 1/2 | 3/4-16 | 1/2-14 | 1 |

Male SAE 45° Flare to Male Pipe - 45° - Continued

| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-------------|-----|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60652-1006 | 10MS-6MP45 | 5/8 | 7/8-14 | 3/8-18 | 1 |
| G60652-1008 | 10MS-8MP45 | 5/8 | 7/8-14 | 1/2-14 | 1 |
| G60652-1208 | 12MS-8MP45 | 3/4 | 1 1/16-14 | 1/2-14 | 1 |
| G60652-1212 | 12MS-12MP45 | 3/4 | 1 1/16-14 | 3/4-14 | 1 |

Male SAE 45° Flare to Male Pipe - 90°



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-------------|------|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60654-0202 | 2MS-2MP90 | 1/8 | 5/16-24 | 1/8-27 | 1 |
| G60654-0302 | 3MS-2MP90 | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G60654-0402 | 4MS-2MP90 | 1/4 | 7/16-20 | 1/8-27 | 1 |
| G60654-0404 | 4MS-4MP90 | 1/4 | 7/16-20 | 1/4-18 | 1 |
| G60654-0406 | 4MS-6MP90 | 1/4 | 7/16-20 | 3/8-18 | 1 |
| G60654-0502 | 5MS-2MP90 | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60654-0504 | 5MS-4MP90 | 5/16 | 1/2-20 | 1/4-18 | 1 |
| G60654-0506 | 5MS-6MP90 | 5/16 | 1/2-20 | 3/8-18 | 1 |
| G60654-0602 | 6MS-2MP90 | 3/8 | 5/8-18 | 1/8-27 | 1 |
| G60654-0604 | 6MS-4MP90 | 3/8 | 5/8-18 | 1/4-18 | 1 |
| G60654-0606 | 6MS-6MP90 | 3/8 | 5/8-18 | 3/8-18 | 1 |
| G60654-0607 | 6MS-7MP90 | 3/8 | 5/8-18 | 3/8-18 | 1 |
| G60654-0608 | 6MS-8MP90 | 3/8 | 5/8-18 | 1/2-14 | 1 |
| G60654-0612 | 6MS-12MP90 | 3/8 | 5/8-18 | 3/4-14 | 1 |
| G60654-0804 | 8MS-4MP90 | 1/2 | 3/4-16 | 1/4-18 | 1 |
| G60654-0806 | 8MS-6MP90 | 1/2 | 3/4-16 | 3/8-18 | 1 |
| G60654-0808 | 8MS-8MP90 | 1/2 | 3/4-16 | 1/2-14 | 1 |
| G60654-0812 | 8MS-12MP90 | 1/2 | 3/4-16 | 3/4-14 | 1 |
| G60654-1006 | 10MS-6MP90 | 5/8 | 7/8-14 | 3/8-18 | 1 |
| G60654-1008 | 10MS-8MP90 | 5/8 | 7/8-14 | 1/2-14 | 1 |
| G60654-1012 | 10MS-12MP90 | 5/8 | 7/8-14 | 3/4-14 | 1 |
| G60654-1208 | 12MS-8MP90 | 3/4 | 1 1/16-14 | 1/2-14 | 1 |
| G60654-1212 | 12MS-12MP90 | 3/4 | 1 1/16-14 | 3/4-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

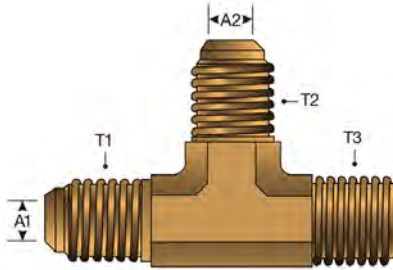
PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

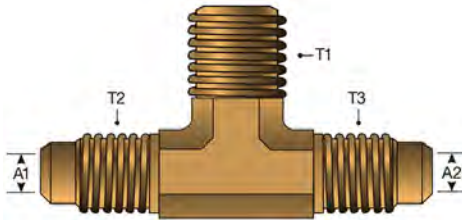
KITS &
ASSORTMENTS


Male SAE 45° Flare Run Tee to Male Pipe




| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|----------------|------|------|--|-----------|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G60657-0202 | 2MS-2MS-2MP | 1/8 | 1/8 | 5/16-24 | 5/16-24 | 1/8-27 | 1 |
| G60657-0302 | 3MS-3MS-2MP | 3/16 | 3/16 | 3/8-24 | 3/8-24 | 1/8-27 | 1 |
| G60657-0402 | 4MS-4MS-2MP | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 1/8-27 | 1 |
| G60657-0404 | 4MS-4MS-4MP | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 1/4-18 | 1 |
| G60657-0406 | 4MS-4MS-6MP | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 3/8-18 | 1 |
| G60657-0408 | 4MS-4MS-8MP | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 1/2-14 | 1 |
| G60657-0502 | 5MS-5MS-2MP | 5/16 | 5/16 | 1/2-20 | 1/2-20 | 1/8-27 | 1 |
| G60657-0504 | 5MS-5MS-4MP | 5/16 | 5/16 | 1/2-20 | 1/2-20 | 1/4-18 | 1 |
| G60657-0602 | 6MS-6MS-2MP | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 1/8-27 | 1 |
| G60657-0604 | 6MS-6MS-4MP | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 1/4-18 | 1 |
| G60657-0606 | 6MS-6MS-6MP | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 3/8-18 | 1 |
| G60657-0608 | 6MS-6MS-8MP | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 1/2-14 | 1 |
| G60657-0804 | 8MS-8MS-4MP | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 1/4-18 | 1 |
| G60657-0806 | 8MS-8MS-6MP | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 3/8-18 | 1 |
| G60657-0808 | 8MS-8MS-8MP | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 1/2-14 | 1 |
| G60657-0812 | 8MS-8MS-12MP | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 3/4-14 | 1 |
| G60657-1008 | 10MS-10MS-8MP | 5/8 | 5/8 | 7/8-14 | 7/8-14 | 1/2-14 | 1 |
| G60657-1012 | 10MS-10MS-12MP | 5/8 | 5/8 | 7/8-14 | 7/8-14 | 3/4-14 | 1 |
| G60657-1208 | 12MS-12MS-8MP | 3/4 | 3/4 | 1 1/16-14 | 1 1/16-14 | 1/2-14 | 1 |
| G60657-1212 | 12MS-12MS-12MP | 3/4 | 3/4 | 1 1/16-14 | 1 1/16-14 | 3/4-14 | 1 |

Male SAE 45° Flare Branch Tee to Male Pipe

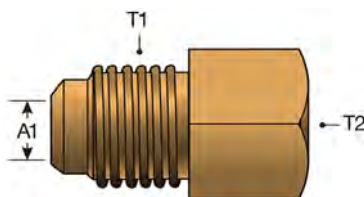



| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|-------------|------|------|--|---------|---------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G60659-0203 | 2MP-3MS-3MS | 3/16 | 3/16 | 1/8-27 | 3/8-24 | 3/8-24 | 1 |
| G60659-0204 | 2MP-4MS-4MS | 1/4 | 1/4 | 1/8-27 | 7/16-20 | 7/16-20 | 1 |
| G60659-0205 | 2MP-5MS-5MS | 5/16 | 5/16 | 1/8-27 | 1/2-20 | 1/2-20 | 1 |
| G60659-0206 | 2MP-6MS-6MS | 3/8 | 3/8 | 1/8-27 | 5/8-18 | 5/8-18 | 1 |
| G60659-0404 | 4MP-4MS-4MS | 1/4 | 1/4 | 1/4-18 | 7/16-20 | 7/16-20 | 1 |
| G60659-0405 | 4MP-5MS-5MS | 5/16 | 5/16 | 1/4-18 | 1/2-20 | 1/2-20 | 1 |
| G60659-0406 | 4MP-6MS-6MS | 3/8 | 3/8 | 1/4-18 | 5/8-18 | 5/8-18 | 1 |
| G60659-0408 | 4MP-8MS-8MS | 1/2 | 1/2 | 1/4-18 | 3/4-16 | 3/4-16 | 1 |

Male SAE 45° Flare Branch Tee to Male Pipe - Continued

| Part No. | Desc. | A1 | A2 |  | | | Standard Pack |
|-------------|----------------|-----|-----|--|-----------|-----------|---------------|
| | | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G60659-0604 | 6MP-4MS-4MS | 1/4 | 1/4 | 3/8-18 | 7/16-20 | 7/16-20 | 1 |
| G60659-0606 | 6MP-6MS-6MS | 3/8 | 3/8 | 3/8-18 | 5/8-18 | 5/8-18 | 1 |
| G60659-0608 | 6MP-8MS-8MS | 1/2 | 1/2 | 3/8-18 | 3/4-16 | 3/4-16 | 1 |
| G60659-0610 | 6MP-10MS-10MS | 5/8 | 5/8 | 3/8-18 | 7/8-14 | 7/8-14 | 1 |
| G60659-0806 | 8MP-6MS-6MS | 3/8 | 3/8 | 1/2-14 | 5/8-18 | 5/8-18 | 1 |
| G60659-0808 | 8MP-8MS-8MS | 1/2 | 1/2 | 1/2-14 | 3/4-16 | 3/4-16 | 1 |
| G60659-0810 | 8MP-10MS-10MS | 5/8 | 5/8 | 1/2-14 | 7/8-14 | 7/8-14 | 1 |
| G60659-0812 | 8MP-12MS-12MS | 3/4 | 3/4 | 1/2-14 | 1 1/16-14 | 1 1/16-14 | 1 |
| G60659-1212 | 12MP-12MS-12MS | 3/4 | 3/4 | 3/4-14 | 1 1/16-14 | 1 1/16-14 | 1 |

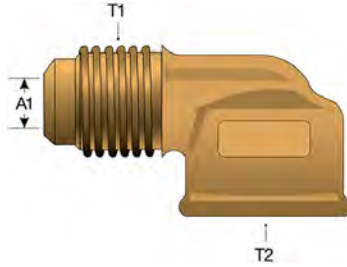
Male SAE 45° Flare to Female Pipe



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|-----------|------|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60660-0202 | 2MS-2FP | 1/8 | 5/16-24 | 1/8-27 | 1 |
| G60660-0302 | 3MS-2FP | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G60660-0402 | 4MS-2FP | 1/4 | 7/16-20 | 1/8-27 | 1 |
| G60660-0404 | 4MS-4FP | 1/4 | 7/16-20 | 1/4-18 | 1 |
| G60660-0406 | 4MS-6FP | 1/4 | 7/16-20 | 3/8-18 | 1 |
| G60660-0408 | 4MS-8FP | 1/4 | 7/16-20 | 1/2-14 | 1 |
| G60660-0502 | 5MS-2FP | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60660-0504 | 5MS-4FP | 5/16 | 1/2-20 | 1/4-18 | 1 |
| G60660-0506 | 5MS-6FP | 5/16 | 1/2-20 | 3/8-18 | 1 |
| G60660-0602 | 6MS-2FP | 3/8 | 1/2-20 | 1/8-27 | 1 |
| G60660-0604 | 6MS-4FP | 3/8 | 5/8-18 | 1/4-18 | 1 |
| G60660-0606 | 6MS-6FP | 3/8 | 5/8-18 | 3/8-18 | 1 |
| G60660-0608 | 6MS-8FP | 3/8 | 5/8-18 | 1/2-14 | 1 |
| G60660-0804 | 8MS-4FP | 1/2 | 3/4-16 | 1/4-18 | 1 |
| G60660-0806 | 8MS-6FP | 1/2 | 3/4-16 | 3/8-18 | 1 |
| G60660-0808 | 8MS-8FP | 1/2 | 3/4-16 | 1/2-14 | 1 |
| G60660-1006 | 10MS-6FP | 5/8 | 7/8-14 | 3/8-18 | 1 |
| G60660-1008 | 10MS-8FP | 5/8 | 7/8-14 | 1/2-14 | 1 |
| G60660-1012 | 10MS-12FP | 5/8 | 7/8-14 | 3/4-14 | 1 |
| G60660-1208 | 12MS-8FP | 3/4 | 1 1/16-14 | 1/2-14 | 1 |

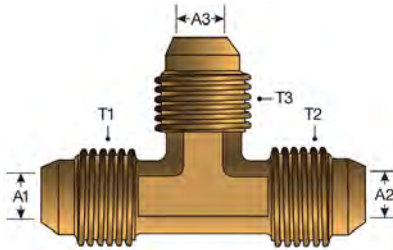
- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Male SAE 45° Flare to Female Pipe - 90°




| Part No. | Desc. | A1 | T1 | | Standard Pack |
|-------------|-------------|------|-----------|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60664-0302 | 3MS-2FP90 | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G60664-0402 | 4MS-2FP90 | 1/4 | 7/16-20 | 1/8-27 | 1 |
| G60664-0404 | 4MS-4FP90 | 1/4 | 7/16-20 | 1/4-18 | 1 |
| G60664-0406 | 4MS-6FP90 | 1/4 | 7/16-20 | 3/8-18 | 1 |
| G60664-0502 | 5MS-2FP90 | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60664-0504 | 5MS-4FP90 | 5/16 | 1/2-20 | 1/4-18 | 1 |
| G60664-0604 | 6MS-4FP90 | 3/8 | 5/8-18 | 1/4-18 | 1 |
| G60664-0606 | 6MS-6FP90 | 3/8 | 5/8-18 | 3/8-18 | 1 |
| G60664-0806 | 8MS-6FP90 | 1/2 | 3/4-16 | 3/8-18 | 1 |
| G60664-0808 | 8MS-8FP90 | 1/2 | 3/4-16 | 1/2-14 | 1 |
| G60664-1006 | 10MS-6FP90 | 5/8 | 7/8-14 | 3/8-18 | 1 |
| G60664-1008 | 10MS-8FP90 | 5/8 | 7/8-14 | 1/2-14 | 1 |
| G60664-1208 | 12MS-8FP90 | 3/4 | 1 1/16-14 | 1/2-14 | 1 |
| G60664-1212 | 12MS-12FP90 | 3/4 | 1 1/16-14 | 3/4-14 | 1 |

SAE 45° Flare Union Tee Brass




| Part No. | Desc. | A1 | A2 | A3 | T1 | | | Standard Pack |
|-------------|--------------|------|------|------|---------|---------|---------|---------------|
| | | " | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G60669-0202 | 2MS-2MS-2MS | 1/8 | 1/8 | 1/8 | 5/16-24 | 5/16-24 | 5/16-24 | 1 |
| G60669-0303 | 3MS-3MS-3MS | 3/16 | 3/16 | 3/16 | 3/8-24 | 3/8-24 | 3/8-24 | 1 |
| G60669-0404 | 4MS-4MS-4MS | 1/4 | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 7/16-20 | 1 |
| G60669-0406 | 4MS-4MS-6MS | 1/4 | 1/4 | 3/8 | 7/16-20 | 7/16-20 | 5/8-18 | 1 |
| G60669-0504 | 5MS-5MS-4MS | 5/16 | 5/16 | 1/4 | 1/2-20 | 1/2-20 | 7/16-20 | 1 |
| G60669-0505 | 5MS-5MS-5MS | 5/16 | 5/16 | 5/16 | 1/2-20 | 1/2-20 | 1/2-20 | 1 |
| G60669-0604 | 6MS-6MS-4MS | 3/8 | 3/8 | 1/4 | 5/8-18 | 5/8-18 | 7/16-20 | 1 |
| G60669-0606 | 6MS-6MS-6MS | 3/8 | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 5/8-18 | 1 |
| G60669-0608 | 6MS-6MS-8MS | 3/8 | 3/8 | 1/2 | 5/8-18 | 5/8-18 | 3/4-16 | 1 |
| G60669-0610 | 6MS-6MS-10MS | 3/8 | 3/8 | 5/8 | 5/8-18 | 5/8-18 | 7/8-14 | 1 |
| G60669-0804 | 8MS-8MS-4MS | 1/2 | 1/2 | 1/4 | 3/4-16 | 3/4-16 | 7/16-20 | 1 |
| G60669-0806 | 8MS-8MS-6MS | 1/2 | 1/2 | 3/8 | 3/4-16 | 3/4-16 | 5/8-18 | 1 |
| G60669-0808 | 8MS-8MS-8MS | 1/2 | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 3/4-16 | 1 |
| G60669-0810 | 8MS-8MS-10MS | 1/2 | 1/2 | 5/8 | 3/4-16 | 3/4-16 | 7/8-14 | 1 |

SAE 45° Flare Union Tee Brass - Continued

| Part No. | Desc. | A1 | A2 | A3 |  | | | Standard Pack |
|-------------|----------------|-----|-----|-----|---|-----------|-----------|---------------|
| | | " | " | " | T1 (in) | T2 (in) | T3 (in) | |
| G60669-0812 | 8MS-8MS-12MS | 1/2 | 1/2 | 3/4 | 3/4-16 | 3/4-16 | 1 1/16-14 | 1 |
| G60669-1004 | 10MS-10MS-4MS | 5/8 | 5/8 | 1/4 | 7/8-14 | 7/8-14 | 7/16-20 | 1 |
| G60669-1006 | 10MS-10MS-6MS | 5/8 | 5/8 | 3/8 | 7/8-14 | 7/8-14 | 5/8-18 | 1 |
| G60669-1008 | 10MS-10MS-8MS | 5/8 | 5/8 | 1/2 | 7/8-14 | 7/8-14 | 3/4-16 | 1 |
| G60669-1010 | 10MS-10MS-10MS | 5/8 | 5/8 | 5/8 | 7/8-14 | 7/8-14 | 7/8-14 | 1 |
| G60669-1208 | 12MS-12MS-8MS | 3/4 | 3/4 | 1/2 | 1 1/16-14 | 1 1/16-14 | 3/4-16 | 1 |
| G60669-1210 | 12MS-12MS-10MS | 3/4 | 3/4 | 5/8 | 1 1/16-14 | 1 1/16-14 | 7/8-14 | 1 |
| G60669-1212 | 12MS-12MS-12MS | 3/4 | 3/4 | 3/4 | 1 1/16-14 | 1 1/16-14 | 1 1/16-14 | 1 |
| G60670-0604 | 6MS-4MS-4MS | 3/8 | 1/4 | 1/4 | 5/8-18 | 7/16-20 | 7/16-20 | 1 |
| G60670-0806 | 8MS-6MS-6MS | 1/2 | 3/8 | 3/8 | 3/4-16 | 5/8-18 | 5/8-18 | 1 |
| G60670-1006 | 10MS-6MS-6MS | 5/8 | 3/8 | 3/8 | 7/8-14 | 5/8-18 | 5/8-18 | 1 |
| G60670-1008 | 10MS-8MS-8MS | 5/8 | 1/2 | 1/2 | 7/8-14 | 3/4-16 | 3/4-16 | 1 |
| G60671-0604 | 6MS-4MS-6MS | 3/8 | 1/4 | 3/8 | 5/8-18 | 7/16-20 | 5/8-18 | 1 |
| G60671-0804 | 8MS-4MS-8MS | 1/2 | 1/4 | 1/2 | 3/4-16 | 7/16-20 | 3/4-16 | 1 |
| G60671-0806 | 8MS-6MS-8MS | 1/2 | 3/8 | 1/2 | 3/4-16 | 5/8-18 | 3/4-16 | 1 |
| G60671-1006 | 10MS-6MS-10MS | 5/8 | 3/8 | 5/8 | 7/8-14 | 5/8-18 | 7/8-14 | 1 |
| G60671-1008 | 10MS-8MS-10MS | 5/8 | 1/2 | 5/8 | 7/8-14 | 3/4-16 | 7/8-14 | 1 |
| G60671-1210 | 12MS-10MS-12MS | 3/4 | 5/8 | 3/4 | 1 1/16-14 | 7/8-14 | 1 1/16-14 | 1 |

Female SAE 45° Flare Nut - Short



| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|---------|------|--|---------------|
| | | " | T1 (in) | |
| G60675-0002 | 2FSN-S | 1/8 | 5/16-24 | 1 |
| G60675-0003 | 3FSN-S | 3/16 | 3/8-24 | 1 |
| G60675-0004 | 4FSN-S | 1/4 | 7/16-20 | 1 |
| G60675-0005 | 5FSN-S | 5/16 | 1/2-20 | 1 |
| G60675-0006 | 6FSN-S | 3/8 | 5/8-18 | 1 |
| G60675-0007 | 7FSN-S | 7/16 | 11/16-16 | 1 |
| G60675-0008 | 8FSN-S | 1/2 | 3/4-16 | 1 |
| G60675-0010 | 10FSN-S | 5/8 | 7/8-14 | 1 |
| G60675-0012 | 12FSN-S | 3/4 | 1 1/16-14 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS


ADAPTERS SAE
FLARE

THREADED
SLEEVE

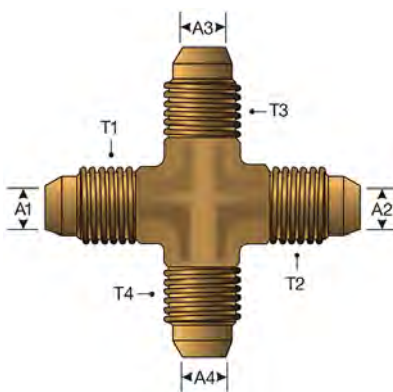
KITS &
ASSORTMENTS


Female SAE 45° Flare Nut - Long



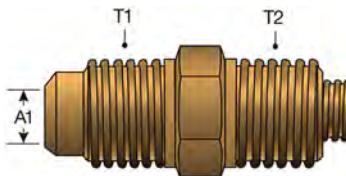
| Part No. | Desc. | A1 |  T1 (in) | Standard Pack |
|-------------|---------|------|--|---------------|
| | | " | " | |
| G60676-0003 | 3FSN-L | 3/16 | 3/8-24 | 1 |
| G60676-0004 | 4FSN-L | 1/4 | 7/16-20 | 1 |
| G60676-0005 | 5FSN-L | 5/16 | 1/2-20 | 1 |
| G60676-0006 | 6FSN-L | 3/8 | 5/8-18 | 1 |
| G60676-0008 | 8FSN-L | 1/2 | 3/4-16 | 1 |
| G60676-0010 | 10FSN-L | 5/8 | 7/8-14 | 1 |


Male SAE 45° Flare - Cross



| Part No. | Desc. | A1 | A2 | A3 | A4 |  | | | | Standard Pack |
|-------------|----------|------|------|------|------|---|---------|---------|---------|---------------|
| | | " | " | " | " | T1 (in) | T2 (in) | T3 (in) | T4 (in) | |
| G60680-0404 | 4MSCROSS | 1/4 | 1/4 | 1/4 | 1/4 | 7/16-20 | 7/16-20 | 7/16-20 | 7/16-20 | 1 |
| G60680-0505 | 5MSCROSS | 5/16 | 5/16 | 5/16 | 5/16 | 1/2-20 | 1/2-20 | 1/2-20 | 1/2-20 | 1 |
| G60680-0606 | 6MSCROSS | 3/8 | 3/8 | 3/8 | 3/8 | 5/8-18 | 5/8-18 | 5/8-18 | 5/8-18 | 1 |
| G60680-0808 | 8MSCROSS | 1/2 | 1/2 | 1/2 | 1/2 | 3/4-16 | 3/4-16 | 3/4-16 | 3/4-16 | 1 |

Male SAE 45° Flare to Male Pipe - Check Valve



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|------------|------|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60690-0204 | 2MS-4MP-CV | 1/8 | 5/16-24 | 1/4-18 | 1 |
| G60690-0402 | 4MS-2MP-CV | 1/4 | 7/16-20 | 1/8-27 | 1 |
| G60690-0502 | 5MS-2MP-CV | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60690-0604 | 6MS-4MP-CV | 3/8 | 5/8-18 | 1/4-18 | 1 |

AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
FIELD
ATTACHABLE
COUPLINGS

SINGLE BEAD

BARB STEM

INVERTED FLARE

AUTOMOTIVE
ADAPTERS

COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Threaded Sleeve

| |
|---|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| | | | | | |
|-----------------------|---------|--------|---------|--------|---------|
| Tube O.D. (in) | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 |
| Thread Size | 5/16-24 | 3/8-24 | 7/16-24 | 1/2-20 | 9/16-20 |

Recommended For: Air, oil, water, and lubrication systems.

Used With: Copper and aluminum tubing only

Features and Benefits: Flaring is not required; easy to assemble.

Conformance: ASME

Working Pressure: 500 psi (34 bar)

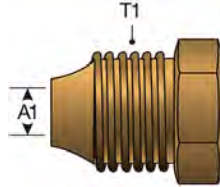
Temperature Range: -65°F to +250°F (-53° to +121°C)


Material: 360 Brass

Assembly Instructions:

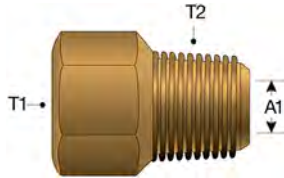
1. Measure the tube and cut to the desired length.
2. Slide nut on end of tube. Threaded end of nut must face connector.
3. Insert the tube into the connector body until it bottoms out on the connector shoulder.
4. Assemble the nut to the connector body and tighten nut hand tight.
5. From hand tight, tighten with a wrench 1-1/2 additional turns.


Threaded Sleeve Nut



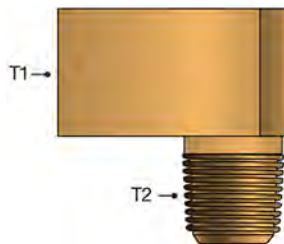
| Part No. | Desc. | A1 |  | Standard Pack |
|-------------|-------|------|--|---------------|
| | | " | T1 (in) | |
| G60593-0202 | 2DCN | 1/8 | 5/16-24 | 1 |
| G60593-0303 | 3DCN | 3/16 | 3/8-24 | 1 |
| G60593-0404 | 4DCN | 1/4 | 7/16-24 | 1 |
| G60593-0505 | 5DCN | 5/16 | 1/2-20 | 1 |
| G60593-0606 | 6DCN | 3/8 | 9/16-20 | 1 |


Threaded Sleeve to Male Pipe



| Part No. | Desc. | A1 |  | | Standard Pack |
|-------------|----------|------|--|---------|---------------|
| | | " | T1 (in) | T2 (in) | |
| G60594-0202 | 2DCN-2MP | 1/8 | 5/16-24 | 1/8-27 | 1 |
| G60594-0302 | 3DCN-2MP | 3/16 | 3/8-24 | 1/8-27 | 1 |
| G60594-0402 | 4DCN-2MP | 1/4 | 7/16-24 | 1/8-27 | 1 |
| G60594-0502 | 5DCN-2MP | 5/16 | 1/2-20 | 1/8-27 | 1 |
| G60594-0604 | 6DCN-4MP | 3/8 | 9/16-20 | 1/4-18 | 1 |


Threaded Sleeve to Male Pipe - 90°



| Part No. | Desc. |  | | Standard Pack |
|-------------|-------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60595-0202 | 2DCN-2MP90 | 5/16-24 | 1/8-27 | 1 |
| G60595-0221 | 2DCN-21MP90 | 5/16-24 | 1/4-28 | 1 |
| G60595-0302 | 3DCN-2MP90 | 3/8-24 | 1/8-27 | 1 |
| G60595-0402 | 4DCN-2MP90 | 7/16-24 | 1/8-27 | 1 |
| G60595-0502 | 5DCN-2MP90 | 1/2-20 | 1/8-27 | 1 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Threaded Sleeve to Male Pipe - 90° - Continued

| Part No. | Desc. |  | | Standard Pack |
|-------------|------------|---|---------|---------------|
| | | T1 (in) | T2 (in) | |
| G60595-0604 | 6DCN-4MP90 | 9/16-20 | 1/4-18 | 1 |

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

SureLok™ Coupling Assortments

Air Line Repair Kit – Part No. 85111 —————→



Air Brake Repair Kit – Part No. 85112 —————→



Transmission Line Repair Kit – Part No. 85113 —————→



Tubing Repair Kit – Part No. 85114 —————→



Small SureLok™ Assortment – Part No. A33001

Assortment includes:

- 4 sizes of hose
- 16 coupling configurations
- 158 individual couplings

Large SureLok™ Assortment – Part No. A33002

Assortment includes:

- 7 sizes of hose
- 51 coupling configurations
- 318 individual couplings

Small Compression Assortment – Part No. A33003

Assortment includes:

- 4 sizes of hose
- 31 coupling configurations
- 211 individual couplings

Large Compression Assortment – Part No. A33004

Assortment includes:

- 7 sizes of hose
- 59 coupling configurations
- 330 individual couplings

Air Brake Couplings for Rubber Hose and C14 (PTFE) Assembly Assortments

Air Brake Hose Rack – Part No. 91180 —————→

Small Air Brake Assortment – Part No. 91182

Assortment includes:

- 1 Air Brake Hose Rack Part No. 91180
- 16 assemblies

Large Air Brake Assortment – Part No. 91181

Assortment includes:

- 2 Air Brake Hose Racks Part No. 91180
- 31 assemblies



AIR BRAKE
NYLON TUBING

AIR BRAKE
COPPER TUBING

AIR BRAKE
SURELOK

COMPOSITE AIR
BRAKE SURELOK

AIR BRAKE
COMPRESSION
FITTINGS

AIR BRAKE
COUPLINGS FOR
RUBBER HOSE

VALVES

BRASS LOCK-ON
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ATTACHABLE
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COPPER TUBING
INDUSTRIAL
COMPRESSION

INDUSTRIAL
SURELOK

MINI-BARBED
TUBE

POLY
INDUSTRIAL
COMPRESSION

PIPE ADAPTERS

ADAPTERS SAE
FLARE

THREADED
SLEEVE

KITS &
ASSORTMENTS

Competitive Interchange

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
|-----------------|-------------|-----------------------|-------------|-------------------------------|-------------|-------------------------------|-------------|
| ALKON | | ALKON - CONT. | | ANDERSON BRASS - CONT. | | ANDERSON BRASS - CONT. | |
| AQ54-DOT-10X8 | G31102-1008 | AQ72-DOTS-8X4 | G31142-0804 | 119A-CA | G60631-0602 | 302-44 | G36195-0404 |
| AQ54-DOT-4X2 | G31102-0402 | AQ72-DOTS-8X8 | G31142-0808 | 119A-CB | G60631-0604 | 302-45 | G36195-0405 |
| AQ54-DOT-4X4 | G31102-0404 | AQ82-DOT-4 | G31300-0404 | 119A-DC | G60631-0806 | 302-66 | G36195-0606 |
| AQ54-DOT-6X2 | G31102-0602 | AQ82-DOT-6 | G31300-0606 | 119A-ED | G60631-1208 | 302-88 | G36195-0808 |
| AQ54-DOT-6X4 | G31102-0604 | AQ82-DOT-8 | G31300-0808 | 120A-AA | G60615-0202 | 304-1212 | G36535-1212 |
| AQ54-DOT-6X6 | G31102-0606 | AQ86-DOT-4X4 | G31360-0404 | 120A-BA | G60615-0204 | 304-44 | G36535-0404 |
| AQ54-DOT-6X8 | G31102-0608 | AQ86-DOT-6X4 | G31360-0604 | 120A-BB | G60615-0404 | 304-55 | G36535-0505 |
| AQ54-DOT-8X4 | G31102-0804 | AQ86-DOT-6X6 | G31360-0606 | 120A-CA | G60615-0206 | 304-66 | G36535-0606 |
| AQ54-DOT-8X6 | G31102-0806 | | | 120A-CB | G60615-0406 | 304-88 | G36535-0808 |
| AQ54-DOT-8X8 | G31102-0808 | | | 120A-CC | G60615-0606 | 305-43 | G36500-0403 |
| AQ59-P-4 | G31050-0004 | ANDERSON BRASS | | 120A-DB | G60615-0408 | 305-44 | G36500-0404 |
| AQ59-P-5/32 | G31050-0025 | 6 | G33832-0202 | 120A-DC | G60615-0608 | 305-45 | G36500-0405 |
| AQ59-P-6 | G31050-0006 | 8 | G33832-0606 | 120A-DD | G60615-0808 | 305-54 | G36500-0504 |
| AQ59-P-8 | G31050-0008 | 9 | G33832-0808 | 120A-ED | G60615-0812 | 305-55 | G36500-0505 |
| AQ62-DOT-4 | G31400-0404 | 46 | G33805-0202 | 121A-A | G60601-0002 | 305-56 | G36500-0506 |
| AQ62-DOT-6 | G31400-0606 | 47 | G33805-0404 | 121A-B | G60601-0004 | 305-66 | G36500-0606 |
| AQ62-DOT-8 | G31400-0808 | 48 | G33805-0606 | 121A-C | G60601-0006 | 305-88 | G36500-0808 |
| AQ64-DOT-4 | G31450-0404 | 100A-A | G60637-0202 | 121A-D | G60601-0008 | 306-88 | G36508-0808 |
| AQ64-DOT-6 | G31450-0606 | 100A-B | G60637-0404 | 121A-E | G60601-0012 | 307-1212 | G36200-1212 |
| AQ64-DOT-8 | G31450-0808 | 100A-BA | G60637-0204 | 122A-A | G60605-0202 | 307-46 | G36200-0406 |
| AQ-68-DOT-10X6 | G31100-1006 | 100A-C | G60637-0606 | 122A-B | G60605-0404 | 307-66 | G36200-0606 |
| AQ-68-DOT-10X8 | G31100-1008 | 100A-CB | G60637-0406 | 122A-D | G60605-0808 | 308-88 | G36210-0808 |
| AQ-68-DOT-3X2 | G31100-0302 | 100A-D | G60637-0808 | 122A-E | G60605-1212 | 309-1010 | G36210-1010 |
| AQ-68-DOT-4X1 | G31100-0401 | 100A-DC | G60637-0608 | 123A-BA | G60605-0204 | 309-44 | G36210-0404 |
| AQ-68-DOT-4X2 | G31100-0402 | 100A-E | G60637-1212 | 123A-CA | G60605-0206 | 309-45 | G36210-0405 |
| AQ-68-DOT-4X4 | G31100-0404 | 101A-A | G60640-0202 | 123A-CB | G60605-0406 | 309-55 | G36210-0505 |
| AQ-68-DOT-4X6 | G31100-0406 | 101A-B | G60640-0404 | 123A-DB | G60605-0408 | 309-65 | G36210-0605 |
| AQ68-DOT-5/32X1 | G31100-2501 | 101A-BBA | G60640-0402 | 123A-DC | G60605-0606 | 3099-44 | G36110-0404 |
| AQ68-DOT-5/32X2 | G31100-2502 | 101A-C | G60640-0606 | 123A-ED | G60605-0812 | 3099-66 | G36110-0606 |
| AQ-68-DOT-6X2 | G31100-0602 | 101A-CCB | G60640-0604 | 124A-A | G60635-0202 | 3099-88 | G36110-0808 |
| AQ-68-DOT-6X4 | G31100-0604 | 101A-D | G60640-0808 | 124A-B | G60635-0404 | 30CC | G33701-0505 |
| AQ-68-DOT-6X6 | G31100-0606 | 101A-DDC | G60640-0806 | 124A-C | G60635-0606 | 30SAE | G33730-0505 |
| AQ-68-DOT-6X8 | G31100-0608 | 101A-E | G60640-1212 | 124A-D | G60635-0808 | 31NV | G33930-0202 |
| AQ-68-DOT-8X4 | G31100-0804 | 101CP | G33910-0402 | 124A-E | G60635-1212 | 31PC | G33715-0202 |
| AQ-68-DOT-8X6 | G31100-0806 | 102A-A | G60641-0202 | 127A-B | G60641-0404 | 32NV | G33930-0404 |
| AQ-68-DOT-8X8 | G31100-0808 | 103A-A | G60631-0202 | 127A-C | G60641-0606 | 32PC | G33715-0404 |
| AQ-69-DOT-10X6 | G31104-1006 | 103A-B | G60631-0404 | 127A-D | G60641-0808 | 360A-6 | G33050-0006 |
| AQ-69-DOT-10X8 | G31104-1008 | 103A-C | G60631-0606 | 127A-E | G60641-1212 | 360A-8 | G33050-0008 |
| AQ-69-DOT-4X2 | G31104-0402 | 103A-D | G60631-0808 | 128A-BA | G60620-0204 | 361A-6 | G33060-0006 |
| AQ-69-DOT-4X4 | G31104-0404 | 103A-E | G60631-1212 | 128A-CB | G60620-0406 | 361A-6G | G33061-0006 |
| AQ-69-DOT-4X6 | G31104-0406 | 103CC | G33905-0402 | 143CP | G33910-0604 | 361A-8 | G33060-0008 |
| AQ-69-DOT-6X2 | G31104-0602 | 104A-A | G60632-0202 | 200D | G33830-0002 | 361A-8G | G33061-0008 |
| AQ-69-DOT-6X4 | G31104-0604 | 104A-B | G60632-0404 | 201D | G33830-0004 | 362A-6 | G33400-0606 |
| AQ-69-DOT-6X6 | G31104-0606 | 104A-C | G60632-0606 | 202D | G33830-0006 | 362A-8 | G33400-0808 |
| AQ-69-DOT-6X8 | G31104-0608 | 104A-D | G60632-0808 | 203CC | G33905-0502 | 368A-6B | G33100-0604 |
| AQ-69-DOT-8X4 | G31104-0804 | 104A-E | G60632-1212 | 203SAE | G33945-0502 | 368A-6C | G33100-0606 |
| AQ-69-DOT-8X6 | G31104-0806 | 104SAE | G33940-0402 | 204SAE | G33945-0504 | 368A-6D | G33100-0608 |
| AQ-69-DOT-8X8 | G31104-0808 | 105SAE | G33940-0404 | 227CC | G33705-0404 | 368A-8C | G33100-0806 |
| AQ-69-DOTS-4X2 | G31124-0402 | 106CC | G33901-0404 | 227SAE | G33720-0404 | 368A-8D | G33100-0808 |
| AQ-69-DOTS-4X4 | G31124-0404 | 107CC | G33901-0505 | 229CC | G33705-0504 | 371AS-6 | G33112-0006 |
| AQ-69-DOTS-4X6 | G31124-0406 | 108A-A | G60600-0002 | 229SAE | G33720-0504 | 371AS-8 | G33112-0008 |
| AQ-69-DOTS-6X2 | G31124-0602 | 108A-B | G60600-0004 | 262PPDOT-4 | G31400-0404 | 378A-6B | G33110-0604 |
| AQ-69-DOTS-6X4 | G31124-0604 | 108A-C | G60600-0006 | 262PPDOT-6 | G31400-0606 | 378A-6C | G33110-0606 |
| AQ-69-DOTS-6X6 | G31124-0606 | 108A-D | G60600-0008 | 27CC | G33705-0402 | 378A-6D | G33110-0608 |
| AQ-69-DOTS-6X8 | G31124-0608 | 108A-E | G60600-0012 | 27SAE | G33720-0402 | 378A-8C | G33110-0806 |
| AQ-69-DOTS-8X4 | G31124-0804 | 108SAE | G33940-0604 | 28CC | G33701-0404 | 378A-8D | G33110-0808 |
| AQ-69-DOTS-8X6 | G31124-0806 | 108SD-2 | G33650-0202 | 28SAE | G33730-0404 | 388A-12B | G33030-0604 |
| AQ-69-DOTS-8X8 | G31124-0808 | 108SD-4 | G33650-0404 | 29CC | G33705-0502 | 388A-12C | G33030-0606 |
| AQ71-DOT-4X4 | G31130-0404 | 108SD-6 | G33650-0606 | 301-1010 | G36535-1010 | 388A-14C | G33030-0806 |
| AQ71-DOT-6X4 | G31130-0604 | 110MP | G33910-0404 | 301-108 | G36100-1008 | 388A-14D | G33030-0808 |
| AQ71-DOT-6X6 | G31130-0606 | 110SAE | G33950-0404 | 301-1212 | G36100-1212 | 38D | G33832-0404 |
| AQ71-DOT-8X8 | G31130-0808 | 113CC | G33901-0606 | 301-128 | G36100-1208 | 40PC | G33715-0606 |
| AQ71-DOTS-4X2 | G31140-0204 | 114SD | G33655-0404 | 301-42 | G36100-0402 | 41D | G33801-0002 |
| AQ71-DOTS-4X4 | G31140-0404 | 115SD | G33656-0404 | 301-44 | G36100-0404 | 41P-3 | G60691-0003 |
| AQ71-DOTS-6X4 | G31140-0406 | 116A-A | G60620-0202 | 301-46 | G36100-0406 | 41P-4 | G60691-0004 |
| AQ71-DOTS-8X6 | G31140-0608 | 116A-B | G60620-0404 | 301-52 | G36100-0502 | 41P-5 | G60691-0005 |
| AQ72-DOT-4X2 | G31134-0402 | 116A-C | G60620-0606 | 301-54 | G36100-0504 | 41P-6 | G60691-0006 |
| AQ72-DOT-4X4 | G31134-0404 | 116A-D | G60620-0808 | 301-62 | G36100-0602 | 421D | G33831-0004 |
| AQ72-DOT-6X4 | G31134-0604 | 116A-E | G60620-1212 | 301-64 | G36100-0604 | 42D | G33801-0004 |
| AQ72-DOT-6X6 | G31134-0606 | 116AM-A | G60610-0202 | 301-66 | G36100-0606 | 421-2 | G60693-0002 |
| AQ72-DOT-8X4 | G31134-0804 | 116AM-B | G60610-0404 | 301-66 | G36105-0606 | 421-3 | G60693-0003 |
| AQ72-DOT-8X6 | G31134-0806 | 116AM-BA | G60610-0204 | 301-68 | G36100-0608 | 421-4 | G60693-0004 |
| AQ72-DOTS-4X2 | G31142-0402 | 116AM-C | G60610-0606 | 301-812 | G36100-0812 | 421-5 | G60693-0005 |
| AQ72-DOTS-4X4 | G31142-0404 | 116AM-CB | G60610-0406 | 301-84 | G36100-0804 | 421-6 | G60693-0006 |
| AQ72-DOTS-6X4 | G31142-0604 | 116AM-D | G60612-0202 | 301-86 | G36100-0806 | 421-8 | G60693-0008 |
| AQ72-DOTS-6X6 | G31142-0606 | 119A-BA | G60631-0402 | 301-88 | G36100-0808 | 43D | G33801-0006 |

Competitive Interchange

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
|-------------------------------|-------------|-------------------------------|-------------|-------------------------------|-------------|-------------------------------|-------------|
| ANDERSON BRASS - CONT. | | ANDERSON BRASS - CONT. | | ANDERSON BRASS - CONT. | | ANDERSON BRASS - CONT. | |
| 44D..... | G33801-0008 | 68NAB-6A..... | G32100-0602 | E1-45-5A..... | G60652-0502 | T1-2A..... | G60657-0202 |
| 46I-3A..... | G60630-0302 | 68NAB-6B..... | G32100-0604 | E1-45-5B..... | G60652-0504 | T1-3A..... | G60657-0302 |
| 46I-4A..... | G60630-0402 | 68NAB-6C..... | G32100-0606 | E1-45-6A..... | G60652-0604 | T1-4A..... | G60657-0402 |
| 46I-5A..... | G60630-0502 | 68NAB-6D..... | G32100-0608 | E1-45-6C..... | G60652-0606 | T1-4B..... | G60657-0404 |
| 46I-6B..... | G60630-0604 | 68NAB-8B..... | G32100-0804 | E1-45-6D..... | G60652-0608 | T1-4C..... | G60657-0406 |
| 46I-8C..... | G60630-0806 | 68NAB-8C..... | G32100-0806 | E1-45-8C..... | G60652-0806 | T1-5A..... | G60657-0502 |
| 48I-10D..... | G60625-1008 | 68NAB-8D..... | G32100-0808 | E1-45-8D..... | G60652-0808 | T1-5B..... | G60657-0504 |
| 48I-2A..... | G60625-0202 | 68SAE..... | G33730-0808 | E1-4A..... | G60654-0402 | T1-6A..... | G60657-0602 |
| 48I-3A..... | G60625-0302 | 69NAB-10C..... | G32104-1006 | E1-4B..... | G60654-0404 | T1-6B..... | G60657-0604 |
| 48I-4A..... | G60625-0402 | 69NAB-10D..... | G32104-1008 | E1-4C..... | G60654-0406 | T1-6C..... | G60657-0606 |
| 48I-4B..... | G60625-0404 | 69NAB-12D..... | G32104-1208 | E1-5A..... | G60654-0502 | T1-6D..... | G60657-0608 |
| 48I-5A..... | G60625-0502 | 69NAB-4A..... | G32104-0402 | E1-5B..... | G60654-0504 | T1-8B..... | G60657-0804 |
| 48I-5B..... | G60625-0504 | 69NAB-4B..... | G32104-0404 | E1-5C..... | G60654-0506 | T1-8C..... | G60657-0806 |
| 48I-6A..... | G60625-0602 | 69NAB-4C..... | G32104-0406 | E1-6A..... | G60654-0602 | T1-8D..... | G60657-0808 |
| 48I-6B..... | G60625-0604 | 69NAB-6A..... | G32104-0602 | E1-6B..... | G60654-0604 | T2-10..... | G60669-1010 |
| 48I-6C..... | G60625-0606 | 69NAB-6B..... | G32104-0604 | E1-6C..... | G60654-0606 | T2-12..... | G60669-1212 |
| 48I-8B..... | G60625-0804 | 69NAB-6C..... | G32104-0606 | E1-6D..... | G60654-0608 | T2-2..... | G60669-0202 |
| 48I-8C..... | G60625-0806 | 69NAB-6D..... | G32104-0608 | E1-8B..... | G60654-0804 | T2-3..... | G60669-0303 |
| 48I-8D..... | G60625-0808 | 69NAB-8B..... | G32104-0804 | E1-8C..... | G60654-0806 | T2-4..... | G60669-0404 |
| 48NV..... | G33920-0202 | 69NAB-8C..... | G32104-0806 | E1-8D..... | G60654-0808 | T2-5..... | G60669-0505 |
| 48PC..... | G33710-0202 | 69NAB-8D..... | G32104-0808 | E1-8E..... | G60654-0812 | T2-6..... | G60669-0606 |
| 49NV..... | G33920-0404 | 70NAB-4A..... | G32154-0402 | E2-10..... | G60648-1010 | T2-8..... | G60669-0808 |
| 49PC..... | G33710-0404 | 70NAB-6A..... | G32154-0602 | E2-12..... | G60648-1212 | T3-10D..... | G60659-0810 |
| 50PC..... | G33710-0606 | 70NAB-6B..... | G32154-0604 | E2-2..... | G60648-0202 | T3-12D..... | G60659-0812 |
| 557CC..... | G33705-0606 | 70NAB-6C..... | G32154-0606 | E2-4..... | G60648-0404 | T3-12E..... | G60659-1212 |
| 557SAE..... | G33720-0606 | 70NAB-8C..... | G32154-0806 | E2-5..... | G60648-0505 | T3-3A..... | G60659-0203 |
| 57CC..... | G33705-0604 | 70NAB-8D..... | G32154-0808 | E2-6..... | G60648-0606 | T3-4A..... | G60659-0204 |
| 57SAE..... | G33720-0604 | 71NAB-4A..... | G32130-0204 | E2-8..... | G60648-0808 | T3-4B..... | G60659-0404 |
| 58CC..... | G33701-0606 | 71NAB-4B..... | G32130-0404 | E3-10D..... | G60664-1008 | T3-4C..... | G60659-0604 |
| 58SAE..... | G33730-0606 | 71NAB-6B..... | G32130-0406 | E3-12E..... | G60664-1212 | T3-5A..... | G60659-0205 |
| 59A-10..... | G32040-0010 | 71NAB-6C..... | G32130-0606 | E3-3A..... | G60664-0302 | T3-5B..... | G60659-0405 |
| 59A-12..... | G32040-0012 | 71NAB-8C..... | G32130-0608 | E3-4A..... | G60664-0402 | T3-6A..... | G60659-0206 |
| 59A-4..... | G32040-0004 | 71NAB-8D..... | G32130-0808 | E3-4B..... | G60664-0404 | T3-6B..... | G60659-0406 |
| 59A-6..... | G32040-0006 | 72NAB-10D..... | G32134-1008 | E3-5A..... | G60664-0502 | T3-6C..... | G60659-0606 |
| 59A-8..... | G32040-0008 | 72NAB-4A..... | G32134-0402 | E3-5B..... | G60664-0504 | T3-6D..... | G60659-0806 |
| 59SAE..... | G33720-0502 | 72NAB-4B..... | G32134-0404 | E3-6B..... | G60664-0604 | T3-8C..... | G60659-0608 |
| 60NAB-10..... | G32050-0010 | 72NAB-6A..... | G32134-0602 | E3-6C..... | G60664-0606 | T3-8D..... | G60659-0808 |
| 60NAB-12..... | G32050-0012 | 72NAB-6B..... | G32134-0604 | E3-8C..... | G60664-0806 | T9-222..... | G60642-0202 |
| 60NAB-4..... | G32050-0004 | 72NAB-6C..... | G32134-0606 | E3-8D..... | G60664-0808 | T9-444..... | G60642-0404 |
| 60NAB-6..... | G32050-0006 | 72NAB-8C..... | G32134-0806 | ER2-106..... | G60648-1006 | T9-666..... | G60642-0606 |
| 60NAB-8..... | G32050-0008 | 72NAB-8D..... | G32134-0808 | ER2-108..... | G60648-1008 | T9-888..... | G60642-0808 |
| 61NAB-10..... | G32060-0010 | 77SAE..... | G33720-0808 | ER2-1210..... | G60648-1210 | TR2-10106..... | G60670-1006 |
| 61NAB-12..... | G32060-0012 | 79NAB-10D..... | G32102-1008 | ER2-128..... | G60648-1208 | TR2-10108..... | G60670-1008 |
| 61NAB-4..... | G32060-0004 | 79NAB-4A..... | G32102-0402 | ER2-64..... | G60648-0604 | TR2-10810..... | G60671-1008 |
| 61NAB-6..... | G32060-0006 | 79NAB-4B..... | G32102-0404 | ER2-84..... | G60648-0804 | TR2-446..... | G60669-0406 |
| 61NAB-8..... | G32060-0008 | 79NAB-6A..... | G32102-0602 | ER2-86..... | G60648-0806 | TR2-6106..... | G60669-1006 |
| 62NAB-10..... | G32400-1010 | 79NAB-6B..... | G32102-0604 | HBPHV-6C..... | G33622-0606 | TR2-664..... | G60669-0604 |
| 62NAB-12..... | G32400-1212 | 79NAB-6C..... | G32102-0606 | HV1-10C..... | G33620-1006 | TR2-668..... | G60669-0608 |
| 62NAB-4..... | G32400-0404 | 79NAB-6D..... | G32102-0608 | HV1-10D..... | G33620-1008 | TR2-866..... | G60670-0806 |
| 62NAB-6..... | G32400-0606 | 79NAB-8C..... | G32102-0806 | HV1-12C..... | G33620-1206 | TR2-868..... | G60671-0806 |
| 62NAB-8..... | G32400-0808 | 79NAB-8D..... | G32102-0808 | HV1-12D..... | G33620-1208 | TR2-8810..... | G60669-0810 |
| 62NABH-6..... | G32300-0606 | 80PC..... | G33715-0808 | HV1-6C..... | G33620-0606 | TR2-886..... | G60669-0806 |
| 62NABH-8..... | G32300-0808 | B1-10..... | G60684-0010 | HV1-8C..... | G33620-0806 | U1-10C..... | G60650-1006 |
| 64NAB-10..... | G32450-1010 | B1-4..... | G60684-0004 | N2-10..... | G60685-0010 | U1-10D..... | G60650-1008 |
| 64NAB-4..... | G32450-0404 | B1-6..... | G60684-0006 | N2-12..... | G60685-0012 | U1-10E..... | G60650-1012 |
| 64NAB-6..... | G32450-0606 | B1-8..... | G60684-0008 | N2-4..... | G60685-0004 | U1-12D..... | G60650-1208 |
| 64NAB-8..... | G32450-0808 | B368A-6B..... | G33111-0604 | N2-5..... | G60685-0005 | U1-12E..... | G60650-1212 |
| 65NAB-10..... | G32404-1010 | B368A-6C..... | G33111-0606 | N2-6..... | G60685-0006 | U1-2A..... | G60650-0202 |
| 65NAB-4..... | G32404-0404 | B368A-6D..... | G33111-0608 | N2-8..... | G60685-0008 | U1-3A..... | G60650-0302 |
| 65NAB-6..... | G32404-0606 | B368A-8C..... | G33111-0806 | N5-10..... | G60643-0010 | U1-4A..... | G60650-0402 |
| 65NAB-8..... | G32404-0808 | B368A-8D..... | G33111-0808 | N5-12..... | G60643-0012 | U1-4B..... | G60650-0404 |
| 66NAB-4A..... | G32150-0402 | C1-4444..... | G60680-0404 | N5-3..... | G60643-0003 | U1-4C..... | G60650-0406 |
| 66NAB-4B..... | G32150-0404 | C1-6666..... | G60680-0606 | N5-4..... | G60643-0004 | U1-4D..... | G60650-0408 |
| 66NAB-6A..... | G32150-0602 | C1-8888..... | G60680-0808 | N5-5..... | G60643-0005 | U1-5A..... | G60650-0502 |
| 66NAB-6B..... | G32150-0604 | E1-10C..... | G60654-1006 | N5-6..... | G60643-0006 | U1-5B..... | G60650-0504 |
| 66NAB-6C..... | G32150-0606 | E1-10D..... | G60654-1008 | N5-8..... | G60643-0008 | U1-5C..... | G60650-0506 |
| 66NAB-8C..... | G32150-0806 | E1-10E..... | G60654-1012 | P2-10..... | G60644-0010 | U1-6A..... | G60650-0602 |
| 67SAE..... | G33720-0806 | E1-12D..... | G60654-1208 | P2-12..... | G60644-0012 | U1-6B..... | G60650-0604 |
| 68CC..... | G33701-0808 | E1-12E..... | G60654-1212 | P2-3..... | G60644-0003 | U1-6C..... | G60650-0606 |
| 68NAB-10C..... | G32100-1006 | E1-2A..... | G60654-0202 | P2-4..... | G60644-0004 | U1-6D..... | G60650-0608 |
| 68NAB-10D..... | G32100-1008 | E1-3A..... | G60654-0302 | P2-5..... | G60644-0005 | U1-8B..... | G60650-0804 |
| 68NAB-12D..... | G32100-1208 | E1-45-10D..... | G60652-1008 | P2-6..... | G60644-0006 | U1-8C..... | G60650-0806 |
| 68NAB-12E..... | G32100-1212 | E1-45-12D..... | G60652-1208 | P2-8..... | G60644-0008 | U1-8D..... | G60650-0808 |
| 68NAB-4A..... | G32100-0402 | E1-45-12E..... | G60652-1212 | T1-10D..... | G60657-1008 | U1-8E..... | G60650-0812 |
| 68NAB-4B..... | G32100-0404 | E1-45-4A..... | G60652-0402 | T1-12D..... | G60657-1208 | U2-10..... | G60645-1010 |
| 68NAB-4C..... | G32100-0406 | E1-45-4B..... | G60652-0404 | T1-12E..... | G60657-1212 | U2-12..... | G60645-1212 |

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Competitive Interchange

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
|-------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|
| ANDERSON BRASS - CONT. | | ANDERSON FIT. - CONT. | | ANDERSON FIT. - CONT. | | ANDERSON FIT. - CONT. | |
| U2-2..... | G60645-0202 | 00468-0602..... | G32100-0602 | 04040-08..... | G60643-0008 | 04048-0602..... | G60650-0602 |
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| U3-4C..... | G60660-0406 | 00469-0406..... | G32104-0406 | 04042-06..... | G60645-0606 | 04049-0302..... | G60654-0302 |
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| U3-8C..... | G60660-0806 | 00469-1008..... | G32104-1008 | 04044-05..... | G60669-0505 | 04049-0606..... | G60654-0606 |
| U3-8D..... | G60660-0808 | 00469-1208..... | G32104-1208 | 04044-06..... | G60669-0606 | 04049-0608..... | G60654-0608 |
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| UR2-1210..... | G60645-1210 | 00470-0602..... | G32154-0602 | 04044-12..... | G60669-1212 | 04049-0808..... | G60654-0808 |
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| UR2-65..... | G60645-0605 | 00470-0806..... | G32154-0806 | 04045-0402..... | G60657-0402 | 04049-1008..... | G60654-1008 |
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| | | 00472-1008..... | G32134-1008 | 04045-1212..... | G60657-1212 | 04051-0404..... | G60659-0404 |
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| | | 00473-12..... | G32040-0012 | 04046-0406..... | G60660-0406 | 04051-0604..... | G60659-0406 |
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| | | 00483-06..... | G32300-0606 | 04046-0502..... | G60660-0502 | 04051-0608..... | G60659-0806 |
| | | 00483-08..... | G32300-0808 | 04046-0504..... | G60660-0504 | 04051-0806..... | G60659-0608 |
| | | 00483-10..... | G32300-1010 | 04046-0506..... | G60660-0506 | 04051-0808..... | G60659-0808 |
| | | 00495-0402..... | G32102-0402 | 04046-0602..... | G60660-0602 | 04051-1008..... | G60659-0810 |
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| | | 00495-0602..... | G32102-0602 | 04046-0606..... | G60660-0606 | 04051-1212..... | G60659-1212 |
| | | 00495-0604..... | G32102-0604 | 04046-0608..... | G60660-0608 | 04052-04..... | G60680-0404 |
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| | | 00495-0806..... | G32102-0806 | 04046-0808..... | G60660-0808 | 04052-08..... | G60680-0808 |
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| | | 04040-05..... | G60643-0005 | 04048-0504..... | G60650-0504 | 04056-0804..... | G60645-0804 |
| | | 04040-06..... | G60643-0006 | 04048-0506..... | G60650-0506 | 04056-0806..... | G60645-0806 |

ANDERSON FITTINGS

Competitive Interchange

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
|------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|
| ANDERSON FIT. - CONT. | | ANDERSON FIT. - CONT. | | ANDERSON FIT. - CONT. | | ANDERSON FIT. - CONT. | |
| 04056-1006 | G60645-1006 | 06108-02 | G60600-0002 | 06228-0806 | G60620-0608 | 07206-1010 | G36500-1010 |
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| 04056-1208 | G60645-1208 | 06108-06 | G60600-0006 | 06230-04 | G60610-0404 | 07207-0504 | G36110-0504 |
| 04056-1210 | G60645-1210 | 06108-08 | G60600-0008 | 06230-06 | G60610-0606 | 07207-0606 | G36110-0606 |
| 04059-040406 | G60669-0406 | 06108-12 | G60600-0012 | 06230-08 | G60610-0808 | 07207-0806 | G36110-0806 |
| 04059-060604 | G60669-0604 | 06119-0402 | G60631-0402 | 06231-02 | G60642-0202 | 07207-0808 | G36110-0808 |
| 04059-060608 | G60669-0608 | 06119-0602 | G60631-0602 | 06231-04 | G60642-0404 | 07207-1008 | G36110-1008 |
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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Competitive Interchange

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
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| 08722-0606 | G37504-0606 | 09514-04 | G33655-0404 | 769AB-8-8 | G32104-0808 | 466-108 | G32150-1008 |
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| 120600 | G60691-0006 | 149460 | G60654-0406 | 220640 | G60615-0406 | 744880 | G36100-0808 |
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| 123300 | G60693-0003 | 149540 | G60654-0504 | 220660 | G60615-0608 | 750500 | G36535-0505 |
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| | | 149640 | G60654-0604 | 222440 | G60605-0204 | 750800 | G36535-0808 |
| | | 149660 | G60654-0606 | | | 911440 | G32300-0404 |

- AIR BRAKE NYLON TUBING
- AIR BRAKE COPPER TUBING
- AIR BRAKE SURELOK
- COMPOSITE AIR BRAKE SURELOK
- AIR BRAKE COMPRESSION FITTINGS
- AIR BRAKE COUPLINGS FOR RUBBER HOSE
- VALVES
- BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS
- SINGLE BEAD
- BARB STEM
- INVERTED FLARE
- AUTOMOTIVE ADAPTERS
- COPPER TUBING INDUSTRIAL COMPRESSION
- INDUSTRIAL SURELOK
- MINI-BARBED TUBE
- POLY INDUSTRIAL COMPRESSION
- PIPE ADAPTERS
- ADAPTERS SAE FLARE
- THREADED SLEEVE
- KITS & ASSORTMENTS

Competitive Interchange

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
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| 1492-8D..... | G33100-0808 | NY272-6-6..... | G32134-0606 | 451031B..... | H30062-06 | S766AB-10-6..... | G32150-1006 |
| 1492-8S..... | G33400-0808 | NY272-8-6..... | G32134-0806 | 451031G..... | H30042-06 | S766AB-10-8..... | G32150-1008 |
| 1492SW-6..... | G33150-0606 | NY272-8-8..... | G32134-0808 | 451031NG..... | H30082-06 | S766AB-4-2..... | G32150-0402 |
| 1492-SW8..... | G33150-0808 | NY279-10-8..... | G32102-1008 | 451031R..... | H30052-06 | S766AB-4-4..... | G32150-0404 |
| 1493-6B..... | G33110-0604 | NY279-4-2..... | G32102-0402 | 451031Y..... | H30072-06 | S766AB-6-2..... | G32150-0602 |
| 1493-6C..... | G33110-0606 | NY279-6-4..... | G32102-0604 | 451032-500..... | H30000-08 | S766AB-6-4..... | G32150-0604 |
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| 1494-6N..... | G33061-0006 | NY60-10..... | G32050-0010 | 451032R..... | H30052-08 | S768AB-10-6..... | G32100-1006 |
| 1494-6S..... | G33112-0006 | NY60-12..... | G32050-0012 | 451032Y..... | H30072-08 | S768AB-10-8..... | G32100-1008 |
| 1494-8N..... | G33061-0008 | NY60-4..... | G32050-0004 | 451033-250..... | H30000-10 | S768AB-12-12..... | G32100-1212 |
| 1494-8S..... | G33112-0008 | NY60-6..... | G32050-0006 | 451033B..... | H30063-10 | S768AB-12-8..... | G32100-1208 |
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| CV1-D..... | G33027-0008 | NY62-8..... | G32400-0808 | S360AB-8..... | G33050-0008 | S769AB-10-6..... | G32104-1006 |
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| FLARE | | NY66-10-8..... | G32150-1008 | S361AB-8..... | G33060-0008 | S769AB-4-2..... | G32104-0402 |
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| 3610..... | G33050-0006 | NY66-4-4..... | G32150-0404 | S361ABS-8..... | G33061-0008 | S769AB-4-6..... | G32104-0406 |
| 3613..... | G33061-0006 | NY66-6-2..... | G32150-0602 | S362RB-6..... | G33400-0606 | S769AB-6-2..... | G32104-0602 |
| 3624..... | G33060-0006 | NY66-6-4..... | G32150-0604 | S362RB-8..... | G33400-0808 | S769AB-6-4..... | G32104-0604 |
| 13630..... | G33032-0006 | NY66-6-6..... | G32150-0606 | S366RBSV-634..... | G33150-0606 | S769AB-6-6..... | G32104-0606 |
| 16678..... | G33400-0606 | NY66-8-6..... | G32150-0806 | S366RBSV-878..... | G33150-0808 | S769AB-6-8..... | G32104-0608 |
| 33801..... | G33050-0008 | NY66-8-8..... | G32150-0808 | S368AB-6-4..... | G33100-0604 | S769AB-8-4..... | G32104-0804 |
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| 33803..... | G33061-0008 | NY68-10-8..... | G32100-1008 | S368AB-6-6..... | G33100-0606 | S769AB-8-8..... | G32104-0808 |
| 33805..... | G33030-0606 | NY68-12-12..... | G32100-1212 | S368AB-6-6-1..... | G33111-0606 | S770AB-10-8..... | G32154-1008 |
| 33806..... | G33030-0806 | NY68-12-8..... | G32100-1208 | S368AB-6-8..... | G33100-0608 | S770AB-4-2..... | G32154-0402 |
| 33887..... | G33400-0808 | NY68-4-2..... | G32100-0402 | S368AB-6-8-1..... | G33111-0608 | S770AB-4-4..... | G32154-0404 |
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| NBH62-6..... | G32300-0606 | NY68-4-6..... | G32100-0406 | S368AB-8-6-1..... | G33111-0806 | S770AB-6-4..... | G32154-0604 |
| NBH62-8..... | G32300-0808 | NY68-6-2..... | G32100-0602 | S368AB-8-8..... | G33100-0808 | S770AB-6-6..... | G32154-0606 |
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| NY264-4..... | G32450-0404 | NY68-6-6..... | G32100-0606 | S371AS-6..... | G33112-0006 | S770AB-8-8..... | G32154-0808 |
| NY264-6..... | G32450-0606 | NY68-6-8..... | G32100-0608 | S371AS-8..... | G33112-0008 | S772AB-10-8..... | G32134-1008 |
| NY264-8..... | G32450-0808 | NY68-8-4..... | G32100-0804 | S376AB-3/4-4..... | G33030-0604 | S772AB-4-2..... | G32134-0402 |
| NY265-10..... | G32404-1010 | NY68-8-6..... | G32100-0806 | S376AB-3/4-6..... | G33030-0606 | S772AB-4-4..... | G32134-0404 |
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| NY269-6-8..... | G32104-0608 | 401047..... | G33021-0004 | S762AB-10..... | G32400-1010 | S779AB-6-6..... | G32102-0606 |
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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
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Competitive Interchange

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| AIR BRAKE NYLON TUBING |
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| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
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| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
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| 119-64 | G60631-0604 | 215C-6 | G33656-0606 | 29PO1-68 | G36100-0608 | 29SB-52 | G37100-0502 |
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| 120-22 | G60615-0202 | 229SAE | G33720-0504 | 29PO1-84 | G36100-0804 | 29SB-66 | G37100-0606 |
| 120-42 | G60615-0204 | 23328X8 | G60608-0808 | 29PO1-86 | G36100-0806 | 29SB-86 | G37100-0806 |
| 120-44 | G60615-0404 | 27C | G33705-0402 | 29PO1-88 | G36100-0808 | 29SB-88 | G37100-0808 |
| 120-62 | G60615-0206 | 27SAE | G33720-0402 | 29PO2-108 | G36110-1008 | 29SSB-66 | G37195-0606 |
| 120-64 | G60615-0406 | 28C | G33701-0404 | 29PO2-1212 | G36110-1212 | 303SAE | G33945-0604 |
| 120-66 | G60615-0606 | 28SAE | G33730-0404 | 29PO2-44 | G36110-0404 | 30C | G33701-0505 |
| 120-84 | G60615-0408 | 29C | G33705-0502 | 29PO2-54 | G36110-0504 | 30SAE | G33730-0505 |
| 120-86 | G60615-0608 | 29ESB-106 | G37106-1006 | 29PO2-66 | G36110-0606 | 31P | G33715-0202 |
| 120-88 | G60615-0808 | 29ESB-108 | G37106-1008 | 29PO2-86 | G36110-0806 | 32P | G33715-0404 |
| 121S-12 | G60601-0012 | 29ESB-128 | G37106-1208 | 29PO2-88 | G36110-0808 | 39-10 | G60644-0010 |
| 121S-2 | G60601-0002 | 29ESB-42 | G37106-0402 | 29PO3-1010 | G36195-1010 | 39-12 | G60644-0012 |
| 121S-4 | G60601-0004 | 29ESB-52 | G37106-0502 | 29PO3-108 | G36195-1008 | 39-3 | G60644-0003 |
| 121S-6 | G60601-0006 | 29ESB-54 | G37106-0504 | 29PO3-1210 | G36195-1210 | 39-4 | G60644-0004 |
| 121S-8 | G60601-0008 | 29ESB-62 | G37106-0602 | 29PO3-1212 | G36195-1212 | 39-5 | G60644-0005 |
| 122-12 | G60605-1212 | 29ESB-64 | G37106-0604 | 29PO3-44 | G36195-0404 | 39-6 | G60644-0006 |
| 122-2 | G60605-0202 | 29ESB-66 | G37106-0606 | 29PO3-45 | G36195-0405 | 39-8 | G60644-0008 |
| 122-4 | G60605-0404 | 29ESB-86 | G37106-0806 | 29PO3-46 | G36195-0406 | 39IF-3 | G60691-0003 |
| 122-6 | G60605-0606 | 29ESB-88 | G37106-0808 | 29PO3-64 | G36195-0604 | 39IF-4 | G60691-0004 |
| 122-8 | G60605-0808 | 29FIFSB-55 | G37508-0505 | 29PO3-65 | G36195-0605 | 39IF-5 | G60691-0005 |
| 123-128 | G60605-0812 | 29FIFSB-65 | G37508-0605 | 29PO3-66 | G36195-0606 | 39IF-6 | G60691-0006 |
| 123-42 | G60605-0204 | 29FIFSB-66 | G37508-0606 | 29PO3-68 | G36195-0608 | 40-10 | G60643-0010 |
| 123-62 | G60605-0206 | 29FIFSB-44 | G37500-0404 | 29PO3-810 | G36195-0810 | 40-12 | G60643-0012 |
| 123-64 | G60605-0406 | 29FIFSB-45 | G37500-0405 | 29PO3-88 | G36195-0808 | 40-3 | G60643-0003 |
| 123-84 | G60605-0408 | 29FIFSB-54 | G37500-0504 | 29PO4-1012 | G36111-1012 | 40-4 | G60643-0004 |
| 123-86 | G60605-0608 | 29FIFSB-55 | G37500-0505 | 29PO4-1212 | G36111-1212 | 40-5 | G60643-0005 |
| 124-12 | G60635-1212 | 29FIFSB-56 | G37500-0506 | 29PO4-42 | G36111-0402 | 40-6 | G60643-0006 |
| 124-2 | G60635-0202 | 29FIFSB-65 | G37500-0605 | 29PO4-44 | G36111-0404 | 40-8 | G60643-0008 |
| 124-4 | G60635-0404 | 29FIFSB-66 | G37500-0606 | 29PO4-46 | G36111-0406 | 40P | G33715-0606 |
| 124-6 | G60635-0606 | 29IMES-44 | G37504-0404 | 29PO4-64 | G36111-0604 | 41L-10 | G60685-0010 |

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| 41L-12 | G60685-0012 | 45-86 | G60657-0806 | 49-1212BS | G60654-1212 | 67C | G33705-0806 |
| 41L-4 | G60685-0004 | 45-88 | G60657-0808 | 49-128BS | G60654-1208 | 67SAE | G33720-0806 |
| 41L-5 | G60685-0005 | 46-1012 | G60660-1012 | 49-32BS | G60654-0302 | 68C | G33701-0808 |
| 41L-6 | G60685-0006 | 46-108 | G60660-1008 | 49-42BS | G60654-0402 | 68SAE | G33730-0808 |
| 41L-8 | G60685-0008 | 46-1212 | G60660-1212 | 49-44BS | G60654-0404 | 6-PAC | G33832-0202 |
| 41P | G33801-0002 | 46-128 | G60660-1208 | 4945-108 | G60652-1008 | 77SAE | G33720-0808 |
| 42-10 | G60645-1010 | 46-22 | G60660-0202 | 4945-128 | G60652-1208 | 7-PAC | G33832-0404 |
| 42-12 | G60645-1212 | 46-32 | G60660-0302 | 4945F-1212 | G60652-1212 | 80P | G33715-0808 |
| 421P | G33831-0004 | 464-10 | G60684-0010 | 4945F-42 | G60652-0402 | 8-PAC | G33832-0606 |
| 42-2 | G60645-0202 | 464-12 | G60684-0012 | 4945F-44 | G60652-0404 | 9-PAC | G33832-0808 |
| 42-3 | G60645-0303 | 46-42 | G60660-0402 | 4945F-52 | G60652-0502 | DQ64-12 | G31450-1212 |
| 42-4 | G60645-0404 | 464-4 | G60684-0004 | 4945F-54 | G60652-0504 | HE60-6 | G33050-0006 |
| 42-5 | G60645-0505 | 46-44 | G60660-0404 | 4945F-64 | G60652-0604 | HE60-8 | G33050-0008 |
| 42-6 | G60645-0606 | 464-5 | G60684-0005 | 4945F-66 | G60652-0606 | HE61-6 | G33060-0006 |
| 42-8 | G60645-0808 | 464-6 | G60684-0006 | 4945F-68 | G60652-0608 | HE61-8 | G33060-0008 |
| 421F-2 | G60693-0002 | 46-46 | G60660-0406 | 4945F-86 | G60652-0806 | HE61G-6 | G33112-0006 |
| 421F-3 | G60693-0003 | 464-8 | G60684-0008 | 4945F-88 | G60652-0808 | HE61G-8 | G33112-0008 |
| 421F-4 | G60693-0004 | 46-48 | G60660-0408 | 49-46BS | G60654-0406 | HE611N-6 | G33061-0006 |
| 421F-5 | G60693-0005 | 46-52 | G60660-0502 | 49-52BS | G60654-0502 | HE611N-8 | G33061-0008 |
| 421F-6 | G60693-0006 | 46-54 | G60660-0504 | 49-54BS | G60654-0504 | HE62-6 | G33400-0606 |
| 421F-8 | G60693-0008 | 46-56 | G60660-0506 | 49-56BS | G60654-0506 | HE62-8 | G33400-0808 |
| 42P | G33801-0004 | 46-62 | G60660-0602 | 49-62BS | G60654-0602 | HE68-64 | G33100-0604 |
| 42R-106 | G60645-1006 | 46-64 | G60660-0604 | 49-64BS | G60654-0604 | HE68-66 | G33100-0606 |
| 42R-108 | G60645-1008 | 46-66 | G60660-0606 | 49-66BS | G60654-0606 | HE68-68 | G33100-0608 |
| 42R-1210 | G60645-1210 | 46-68 | G60660-0608 | 49-68BS | G60654-0608 | HE68-86 | G33100-0806 |
| 42R-128 | G60645-1208 | 46-84 | G60660-0804 | 49-812BS | G60654-0812 | HE68-88 | G33100-0808 |
| 42R-43 | G60645-0403 | 46-86 | G60660-0806 | 49-84BS | G60654-0804 | HE68B-64 | G33111-0604 |
| 42R-54 | G60645-0504 | 46-88 | G60660-0808 | 49-86BS | G60654-0806 | HE68B-66 | G33111-0606 |
| 42R-64 | G60645-0604 | 461F-108 | G60630-1008 | 49-88BS | G60654-0808 | HE68B-68 | G33111-0608 |
| 42R-65 | G60645-0605 | 461F-32 | G60630-0302 | 49F-22 | G60654-0202 | HE68B-86 | G33111-0806 |
| 42R-84 | G60645-0804 | 461F-42 | G60630-0402 | 49P | G33710-0404 | HE68B-88 | G33111-0808 |
| 42R-86 | G60645-0806 | 461F-44 | G60630-0404 | 50-42 | G60664-0402 | HE68G-64 | G33110-0604 |
| 43-42 | G60690-0402 | 461F-52 | G60630-0502 | 50F-108 | G60664-1008 | HE68G-66 | G33110-0606 |
| 43-64 | G60690-0604 | 461F-64 | G60630-0604 | 50F-1212 | G60664-1212 | HE68G-68 | G33110-0608 |
| 43P | G33801-0006 | 461F-86 | G60630-0806 | 50F-32 | G60664-0302 | HE68G-86 | G33110-0806 |
| 44F-10 | G60669-1010 | 46-PAC | G33805-0202 | 50F-44 | G60664-0404 | HE68G-88 | G33110-0808 |
| 44F-12 | G60669-1212 | 47-PAC | G33805-0404 | 50F-52 | G60664-0502 | HE68S-64 | G33151-0604 |
| 44F-2 | G60669-0202 | 48-1012 | G60650-1012 | 50F-54 | G60664-0504 | HE68S-66 | G33151-0606 |
| 44F-3 | G60669-0303 | 48-106 | G60650-1006 | 50F-64 | G60664-0604 | HE68S-86 | G33151-0806 |
| 44F-4 | G60669-0404 | 48-108 | G60650-1008 | 50F-66 | G60664-0606 | HE68S-88 | G33151-0808 |
| 44F-5 | G60669-0504 | 48-1212 | G60650-1212 | 50F-86 | G60664-0806 | NT60-10 | G32050-0010 |
| 44F-6 | G60669-0606 | 48-128 | G60650-1208 | 50F-88 | G60664-0808 | NT60-12 | G32050-0012 |
| 44F-8 | G60669-0808 | 48-22 | G60650-0202 | 50P | G33710-0606 | NT60-4 | G32050-0004 |
| 44P | G33801-0008 | 48-44 | G60650-0404 | 51F-108 | G60659-0810 | NT60-6 | G32050-0006 |
| 44R-10106 | G60670-1006 | 48-46 | G60650-0406 | 51F-1212 | G60659-1212 | NT60-8 | G32050-0008 |
| 44R-10108 | G60670-1008 | 48-48 | G60650-0408 | 51F-128 | G60659-0812 | NT60-10 | G32060-0010 |
| 44R-1066 | G60669-1006 | 48-52 | G60650-0502 | 51F-32 | G60659-0203 | NT61-10 | G32060-0010 |
| 44R-10810 | G60671-1008 | 48-54 | G60650-0504 | 51F-42 | G60659-0204 | NT61-12 | G32060-0012 |
| 44R-1088 | G60669-1008 | 48-56 | G60650-0506 | 51F-44 | G60659-0404 | NT61-4 | G32060-0004 |
| 44R-121012 | G60671-1210 | 48-62 | G60650-0602 | 51F-46 | G60659-0604 | NT61-6 | G32060-0006 |
| 44R-121210 | G60669-1210 | 48-64 | G60650-0604 | 51F-52 | G60659-0205 | NT61-8 | G32060-0008 |
| 44R-446 | G60669-0406 | 48-66 | G60650-0606 | 51F-54 | G60659-0405 | NT62-10 | G32400-1010 |
| 44R-664 | G60669-0604 | 48-68 | G60650-0608 | 51F-62 | G60659-0206 | NT62-12 | G32400-1212 |
| 44R-668 | G60669-0608 | 48-812 | G60650-0812 | 51F-64 | G60659-0406 | NT62-4 | G32400-0404 |
| 44R-866 | G60670-0806 | 48-84 | G60650-0804 | 51F-66 | G60659-0606 | NT62-6 | G32400-0606 |
| 44R-868 | G60671-0806 | 48-86 | G60650-0806 | 51F-68 | G60659-0806 | NT62-8 | G32400-0808 |
| 44R-8810 | G60669-0810 | 48-88 | G60650-0808 | 51F-86 | G60659-0608 | NT62BH-10 | G32300-1010 |
| 44R-886 | G60669-0806 | 48A-PAC | G33805-0808 | 51F-88 | G60659-0808 | NT62BH-4 | G32300-0404 |
| 45-1012 | G60657-1012 | 481F-108 | G60625-1008 | 52F-4 | G60680-0404 | NT62BH-6 | G32300-0606 |
| 45-108 | G60657-1008 | 481F-22 | G60625-0202 | 52F-5 | G60680-0505 | NT62BH-8 | G32300-0808 |
| 45-1212 | G60657-1212 | 481F-32 | G60625-0302 | 52F-6 | G60680-0606 | NT63B-10 | G32040-0010 |
| 45-128 | G60657-1208 | 481F-42 | G60625-0402 | 52F-8 | G60680-0808 | NT63B-12 | G32040-0012 |
| 45-22 | G60657-0202 | 481F-44 | G60625-0404 | 557C | G33705-0606 | NT63B-4 | G32040-0004 |
| 45-32 | G60657-0302 | 481F-52 | G60625-0502 | 557SAE | G33720-0606 | NT63B-6 | G32040-0006 |
| 45-42 | G60657-0402 | 481F-54 | G60625-0504 | 55F-10 | G60648-1010 | NT63B-8 | G32040-0008 |
| 45-44 | G60657-0404 | 481F-62 | G60625-0602 | 55F-12 | G60648-1212 | NT64-10 | G32450-1010 |
| 45-46 | G60657-0406 | 481F-64 | G60625-0604 | 55F-2 | G60648-0202 | NT64-4 | G32450-0404 |
| 45-48 | G60657-0408 | 481F-66 | G60625-0606 | 55F-4 | G60648-0404 | NT64-6 | G32450-0606 |
| 45-52 | G60657-0502 | 481F-84 | G60625-0804 | 55F-5 | G60648-0505 | NT64-8 | G32450-0808 |
| 45-54 | G60657-0504 | 481F-86 | G60625-0806 | 55F-6 | G60648-0606 | NT65-10 | G32404-1010 |
| 45-62 | G60657-0602 | 481F-88 | G60625-0808 | 55F-8 | G60648-0808 | NT65-4 | G32404-0404 |
| 45-64 | G60657-0604 | 48P | G33710-0202 | 577SAE | G33720-0608 | NT65-6 | G32404-0606 |
| 45-66 | G60657-0606 | 48-PAC | G33805-0606 | 57C | G33705-0604 | NT65-8 | G32404-0808 |
| 45-68 | G60657-0608 | 49-1012BS | G60654-1012 | 57SAE | G33720-0604 | NT66-106 | G32150-1006 |
| 45-812 | G60657-0812 | 49-106BS | G60654-1006 | 58C | G33701-0606 | NT66-108 | G32150-1008 |
| 45-84 | G60657-0804 | 49-108BS | G60654-1008 | 58SAE | G33730-0606 | NT66-128 | G32150-1208 |

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Competitive Interchange

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
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| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

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| NT66-44..... | G32150-0404 | TV44-86..... | G33620-0806 | 95 411 412..... | G31124-0604 | 95 459 007..... | G31136-1008 |
| NT66-62..... | G32150-0602 | TV44PH-106..... | G33622-1006 | 95 411 413..... | G31124-0804 | 95 459 010..... | G31134-0604 |
| NT66-64..... | G32150-0604 | TV44PH-66..... | G33622-0606 | 95 411 418..... | G31124-0406 | 95 459 012..... | G31134-0404 |
| NT66-66..... | G32150-0606 | TV45-66..... | G33630-0606 | 95 411 420..... | G31124-0606 | 95 459 013..... | G31134-0804 |
| NT66-86..... | G32150-0806 | TV45-68..... | G33630-0608 | 95 411 421..... | G31124-0806 | 95 459 014..... | G31135-0806 |
| NT66-88..... | G32150-0808 | TV45-88..... | G33630-0808 | 95 411 429..... | G31124-0608 | 95 459 016..... | G31135-0604 |
| NT68-106VS..... | G32100-1006 | TV49-108..... | G33612-1008 | 95 411 430..... | G31124-0808 | 95 459 019..... | G31134-0406 |
| NT68-108VS..... | G32100-1008 | TV49-128..... | G33612-1208 | 95 433 103..... | G31104-0302 | 95 460 004..... | G31102-0402 |
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| NT68-44VS..... | G32100-0404 | TV49-86..... | G33612-0806 | 95 433 112..... | G31104-0604 | 95 460 020..... | G31102-0606 |
| NT68-46VS..... | G32100-0406 | TV49-88..... | G33612-0808 | 95 433 113..... | G31104-0804 | 95 460 021..... | G31102-0806 |
| NT68-62VS..... | G32100-0602 | | | 95 433 118..... | G31104-0406 | 95 460 022..... | G31102-1006 |
| NT68-64VS..... | G32100-0604 | | | 95 433 120..... | G31104-0606 | 95 460 029..... | G31102-0608 |
| NT68-66VS..... | G32100-0606 | NORGREN | | 95 433 121..... | G31104-0806 | 95 460 030..... | G31102-0808 |
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| NT68-84VS..... | G32100-0804 | 12-060-0100..... | G31450-0202 | 95 433 129..... | G31104-0608 | 95 460 049..... | G31102-1208 |
| NT68-86VS..... | G32100-0806 | 12-060-0300..... | G31450-0303 | 95 433 130..... | G31104-0808 | 95 462 202..... | G31160-0604 |
| NT68-88VS..... | G32100-0808 | 12-425-0118..... | G31100-0202 | 95 433 131..... | G31104-1008 | 95402202M..... | G31377-0808 |
| NT69-106VS..... | G32104-1006 | 12-425-0118..... | G31400-0202 | 95 433 149..... | G31104-1208 | 95411106M..... | G31142-0602 |
| NT69-108VS..... | G32104-1008 | 12-425-0218..... | G31100-2502 | 95 433 198..... | G31104-1006 | 95411121M..... | G31142-0806 |
| NT69-128VS..... | G32104-1208 | 12-426-0218..... | G31150-2502 | 95 435 504..... | G31150-0402 | 95411421M..... | G31124-1006 |
| NT69-42VS..... | G32104-0402 | 12-445-0118..... | G31104-0202 | 95 435 510..... | G31150-0404 | 95411449M..... | G31124-1208 |
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| NT69-45-42VS..... | G32102-0402 | 70 433 102V..... | G31104-2502 | 95 435 530..... | G31150-0808 | 95411506M..... | G31122-0602 |
| NT69-45-44VS..... | G32102-0404 | 70 454 202V..... | G31100-2501 | 95 453 003..... | G31100-0302 | 95411510M..... | G31122-0404 |
| NT69-45-62VS..... | G32102-0602 | 94 050 904..... | G31050-0004 | 95 453 004..... | G31100-0402 | 95411512M..... | G31122-0604 |
| NT69-45-64VS..... | G32102-0604 | 94 050 906..... | G31050-0006 | 95 453 006..... | G31100-0602 | 95411520M..... | G31122-0606 |
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| NT69-45-86VS..... | G32102-0806 | 94 450 306..... | G31400-0606 | 95 453 013..... | G31100-0804 | 95411531M..... | G31122-1008 |
| NT69-45-88VS..... | G32102-0808 | 94 450 307..... | G31400-0808 | 95 453 018..... | G31100-0406 | 95411531M..... | G31124-1008 |
| NT69-46VS..... | G32104-0406 | 94 450 308..... | G31400-1010 | 95 453 020..... | G31100-0606 | 95433155M..... | G31104-1212 |
| NT69-62VS..... | G32104-0602 | 94 450 309..... | G31400-1212 | 95 453 021..... | G31100-0806 | 95453001M..... | G31100-0401 |
| NT69-64VS..... | G32104-0604 | 94 450 313..... | G31400-0303 | 95 453 022..... | G31100-1006 | 95453055M..... | G31100-1212 |
| NT69-66VS..... | G32104-0606 | 94 450 448..... | G31400-0604 | 95 453 029..... | G31100-0608 | 95456406BP..... | G31154-0604 |
| NT69-68VS..... | G32104-0608 | 94 450 464..... | G31400-0806 | 95 453 030..... | G31100-0808 | 95456410BP..... | G31154-0404 |
| NT69-84VS..... | G32104-0804 | 94 450 707..... | G31300-0808 | 95 453 031..... | G31100-1008 | 95456418BP..... | G31154-0406 |
| NT69-86VS..... | G32104-0806 | 94 451 104..... | G31404-0404 | 95 453 049..... | G31100-1208 | 95456420BP..... | G31154-0606 |
| NT69-88VS..... | G32104-0808 | 94 451 106..... | G31404-0606 | 95 456 204..... | G31154-0402 | 95456430BP..... | G31154-0808 |
| NT70-108..... | G32154-1008 | 94 451 107..... | G31404-0808 | 95 456 401..... | G31154-0302 | 95460055M..... | G31102-1212 |
| NT70-42..... | G32154-0402 | 94 451 404..... | G31450-0404 | 95 456 501..... | G31105-0806P | 95479401BP..... | G31350-0606 |
| NT70-44..... | G32154-0404 | 94 451 406..... | G31450-0606 | 95 456 502..... | G31105-0808P | 95479402BP..... | G31350-0404 |
| NT70-62..... | G32154-0602 | 94 451 407..... | G31450-0808 | 95 456 503..... | G31105-0606P | | |
| NT70-64..... | G32154-0604 | 94 451 408..... | G31450-1010 | 95 456 504..... | G31105-0604P | | |
| NT70-66..... | G32154-0606 | 94 458 801..... | G31451-0604 | 95 457 001..... | G31360-0404 | | |
| NT70-86..... | G32154-0806 | 94 458 802..... | G31451-0608 | 95 457 002..... | G31360-0608 | | |
| NT70-88..... | G32154-0808 | 94 458 804..... | G31452-0806 | 95 457 003..... | G31360-0604 | | |
| NT71-108VS..... | G32130-0810 | 94 458 810..... | G31451-0804 | 95 457 004..... | G31360-0606 | | |
| NT71-42VS..... | G32130-0204 | 94 458 811..... | G31451-0806 | 95 457 005..... | G31360-0806 | | |
| NT71-44VS..... | G32130-0404 | 94 458 814..... | G31451-1008 | 95 457 005..... | G31360-0806 | | |
| NT71-64VS..... | G32130-0406 | 94 458 816..... | G31452-0604 | 95 457 006..... | G31360-0402 | | |
| NT71-66VS..... | G32130-0606 | 94 458 817..... | G31451-0406 | 95 457 007..... | G31360-0808 | | |
| NT71-86VS..... | G32130-0608 | 94435521BP..... | G31150-0806 | 95 458 503..... | G31167-0406 | | |
| NT71-88VS..... | G32130-0808 | 94-450-304..... | G31400-2525 | 95 458 603..... | G31130-0406 | | |
| NT72-108VS..... | G32134-1008 | 94450704BP..... | G31300-0404 | 95 458 604..... | G31130-0806 | | |
| NT72-42VS..... | G32134-0402 | 94450706BP..... | G31300-0606 | 95 458 605..... | G31132-0406 | | |
| NT72-44VS..... | G32134-0404 | 94450708BP..... | G31300-1010 | 95 458 607..... | G31131-0604 | | |
| NT72-62VS..... | G32134-0602 | 94451108BP..... | G31404-1010 | 95 458 610..... | G31130-0606 | | |
| NT72-64VS..... | G32134-0604 | 94451409BP..... | G31450-1212 | 95 458 611..... | G31130-0608 | | |
| NT72-66VS..... | G32134-0606 | 95 411 104..... | G31142-0402 | 95 458 613..... | G31130-0404 | | |
| NT72-86VS..... | G32134-0806 | 95 411 110..... | G31142-0404 | 95 458 615..... | G31130-0808 | | |
| NT72-88VS..... | G32134-0808 | 95 411 112..... | G31142-0604 | 95 458 617..... | G31130-0604 | | |
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| R48-42..... | G60650-0402 | 95 411 120..... | G31142-0606 | 95 458 621..... | G31131-0406 | | |
| TV-2..... | G33850-0202 | 95 411 130..... | G31142-0808 | 95 458 622..... | G31131-0608 | | |
| TV-4..... | G33850-0404 | 95 411 210..... | G31140-0404 | 95 458 627..... | G31132-0604 | | |
| TV410NA-88..... | G32602-0808 | 95 411 212..... | G31140-0406 | 95 458 628..... | G31130-0204 | | |
| TV412-108..... | G33610-0810 | 95 411 220..... | G31140-0606 | 95 458 904..... | G31138-0806 | | |
| TV44-106..... | G33620-1006 | 95 411 221..... | G31140-0608 | 95 458 919..... | G31138-0606 | | |
| TV44-108..... | G33620-1008 | 95 411 230..... | G31140-0808 | 95 459 001..... | G31134-0606 | | |
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| TV44-128..... | G33620-1208 | 95 411 406..... | G31124-0602 | 95 459 004..... | G31134-0808 | | |
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| | | | | | | 16523-8S..... | G33112-0008 |
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| | | | | | | 265NTA-10..... | G32404-1010 |
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| | | | | | | 60NTA-12..... | G32050-0012 |
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| 61NTA-10 | G32060-0010 | VS68NTA-6-6 | G32100-0606 | S145-12-8 | G60657-1208 | S361ABS-8 | G33061-0008 |
| 61NTA-12 | G32060-0012 | VS68NTA-6-8 | G32100-0608 | S145-3-2 | G60657-0302 | S362RB-6 | G33400-0606 |
| 61NTA-4 | G32060-0004 | VS68NTA-8-4 | G32100-0804 | S145-4-2 | G60657-0402 | S362RB-8 | G33400-0808 |
| 61NTA-6 | G32060-0006 | VS68NTA-8-6 | G32100-0806 | S145-4-4 | G60657-0404 | S363RB-6 | G33151-0604 |
| 61NTA-8 | G32060-0008 | VS68NTA-8-8 | G32100-0808 | S145-5-2 | G60657-0502 | S363RB-8 | G33151-0806 |
| 61RB-6 | G33060-0006 | TRAMEC SLOAN | | S145-6-4 | G60657-0604 | S368AB-6-4 | G33100-0604 |
| 61RB-8 | G33060-0008 | 451029 | H30002-02 | S145-6-6 | G60657-0606 | S368AB-6-4-1 | G33111-0604 |
| 61RBSG-6 | G33061-0006 | 451030 | H30002-04 | S145-6-8 | G60657-0608 | S368AB-6-6 | G33100-0606 |
| 61RBSG-8 | G33061-0008 | 451031 | H30002-06 | S145-8-6 | G60657-0806 | S368AB-6-6-1 | G33111-0606 |
| 62NBH-4 | G32300-0404 | 451032 | H30002-08 | S145-8-8 | G60657-0808 | S368AB-6-8 | G33100-0608 |
| 62NBH-6 | G32300-0606 | 451033 | H30003-10 | S151-10-8 | G60659-0810 | S368AB-6-8-1 | G33111-0608 |
| 62NBH-8 | G32300-0808 | 451034 | H30003-12 | S151-3-2 | G60659-0203 | S368AB-8-6 | G33100-0806 |
| 62NTA-10 | G32400-1010 | 451035 | H30002-05 | S151-4-2 | G60659-0204 | S368AB-8-6-1 | G33111-0806 |
| 62NTA-12 | G32400-1212 | 451036 | H30000-02 | S151-4-4 | G60659-0404 | S368AB-8-8 | G33100-0808 |
| 62NTA-4 | G32400-0404 | 451037 | H30000-04 | S151-5-2 | G60659-0205 | S368AB-8-8-1 | G33111-0808 |
| 62NTA-6 | G32400-0606 | 451038 | H30000-08 | S151-5-4 | G60659-0405 | S371AS-6 | G33112-0006 |
| 62NTA-8 | G32400-0808 | 451039 | H30002-04 | S151-6-2 | G60659-0206 | S371AS-8 | G33112-0008 |
| 62RB-6 | G33400-0606 | 451040 | H30002-06 | S151-6-4 | G60659-0406 | S376AB-3/4-4 | G33030-0604 |
| 62RB-8 | G33400-0808 | 451041 | H30002-08 | S151-6-6 | G60659-0606 | S376AB-3/4-6 | G33030-0606 |
| 66NTA-6-2 | G32150-0602 | 451042 | H30002-10 | S151-6-8 | G60659-0806 | S376AB-7/8-6 | G33030-0806 |
| 66NTA-6-4 | G32150-0604 | 451043 | H30002-12 | S151-8-6 | G60659-0608 | S378AB-6-4 | G33110-0604 |
| 66NTA-6-6 | G32150-0606 | 451044 | H30002-14 | S151-8-8 | G60659-0808 | S378AB-6-6 | G33110-0606 |
| 66NTA-8-6 | G32150-0806 | 451045 | H30002-16 | S155-10-8 | G60648-1010 | S378AB-6-8 | G33110-0608 |
| 66RBSV-6-3/4 | G33150-0606 | 451046 | H30002-18 | S155-12 | G60648-1212 | S378AB-8-6 | G33110-0806 |
| 66RBSV-8-7/8 | G33150-0808 | 451047 | H30002-20 | S155-2 | G60648-0202 | S378AB-8-8 | G33110-0808 |
| 68RB-6-4 | G33100-0604 | 451048 | H30002-22 | S155-4 | G60648-0404 | S39-10 | G60644-0010 |
| 68RB-6-6 | G33100-0606 | 451049 | H30002-24 | S155-5 | G60648-0505 | S39-4 | G60644-0004 |
| 68RB-6-8 | G33100-0608 | 451050 | H30002-26 | S155-6 | G60648-0606 | S39-5 | G60644-0005 |
| 68RB-8-6 | G33100-0806 | 451051 | H30002-28 | S155-8 | G60648-0808 | S39-6 | G60644-0006 |
| 68RB-8-8 | G33100-0808 | 451052 | H30002-30 | S159-10-8 | G60652-1008 | S39-8 | G60644-0008 |
| 68RBSG-6-4 | G33110-0604 | 451053 | H30002-32 | S159-4-2 | G60652-0402 | S40-10 | G60643-0010 |
| 68RBSG-6-6 | G33110-0606 | 451054 | H30002-34 | S159-4-4 | G60652-0404 | S40-3 | G60643-0003 |
| 68RBSG-6-8 | G33110-0608 | 451055 | H30002-36 | S159-6-4 | G60652-0604 | S40-4 | G60643-0004 |
| 68RBSG-8-6 | G33110-0806 | 451056 | H30002-38 | S159-6-6 | G60652-0606 | S40-5 | G60643-0005 |
| 68RBSG-8-8 | G33110-0808 | 451057 | H30002-40 | S159-8-6 | G60652-0806 | S40-6 | G60643-0006 |
| 76RB-3/4-4 | G33030-0604 | 451058 | H30002-42 | S200-2 | G60637-0202 | S40-8 | G60643-0008 |
| 76RB-3/4-6 | G33030-0606 | 451059 | H30002-44 | S200-4 | G60637-0404 | S41L-10 | G60685-0010 |
| 76RB-7/8-6 | G33030-0806 | 451060 | H30002-46 | S200-6 | G60637-0606 | S41L-4 | G60685-0004 |
| 76RB-7/8-8 | G33030-0808 | 451061 | H30002-48 | S200-8 | G60637-0808 | S41L-5 | G60685-0005 |
| LV91 | G33111-0606 | 451062 | H30002-50 | S202-12 | G60620-1212 | S41L-6 | G60685-0006 |
| PFT-10B | H30000-10 | 451063 | H30002-52 | S202-2 | G60620-0202 | S41L-8 | G60685-0008 |
| PFT-12B | H30000-12 | 451064 | H30002-54 | S202-4 | G60620-0404 | S42-10 | G60645-1010 |
| PFT-2A | H30000-02 | 451065 | H30002-56 | S202-4-2 | G60620-0204 | S42-10-6 | G60645-1006 |
| PFT-4A | H30000-04 | 451066 | H30002-58 | S202-6 | G60620-0606 | S42-10-8 | G60645-1008 |
| PFT-5A | H30000-05 | 451067 | H30002-60 | S202-8-6 | G60620-0608 | S42-12 | G60645-1212 |
| PFT-6B | H30000-06 | 451068 | H30002-62 | S202-8-8 | G60620-0808 | S42-12-10 | G60645-1210 |
| PFT-8B | H30000-08 | 451069 | H30002-64 | S203-2 | G60640-0202 | S42-12-8 | G60645-1208 |
| VS269NTA-10-6 | G32104-1006 | 451070 | H30002-66 | S203-4 | G60640-0404 | S42-2 | G60645-0202 |
| VS269NTA-10-8 | G32104-1008 | 451071 | H30002-68 | S203-6 | G60640-0606 | S42-3 | G60645-0303 |
| VS269NTA-4-2 | G32104-0402 | 451072 | H30002-70 | S203-8 | G60640-0808 | S42-4 | G60645-0404 |
| VS269NTA-4-4 | G32104-0404 | 451073 | H30002-72 | S207-12 | G60631-1212 | S42-5 | G60645-0505 |
| VS269NTA-4-6 | G32104-0406 | 451074 | H30002-74 | S207-2 | G60631-0202 | S42-6 | G60645-0606 |
| VS269NTA-6-2 | G32104-0602 | 451075 | H30002-76 | S207-4 | G60631-0404 | S42-6-4 | G60645-0604 |
| VS269NTA-6-4 | G32104-0604 | 451076 | H30002-78 | S207-6 | G60631-0606 | S42-6-5 | G60645-0605 |
| VS269NTA-6-6 | G32104-0606 | 451077 | H30002-80 | S207-8 | G60631-0808 | S42-8 | G60645-0808 |
| VS269NTA-6-8 | G32104-0608 | 451078 | H30002-82 | S213-2 | G60600-0002 | S42-8-4 | G60645-0804 |
| VS269NTA-8-4 | G32104-0804 | 451079 | H30002-84 | S213-4 | G60600-0004 | S42-8-6 | G60645-0806 |
| VS269NTA-8-6 | G32104-0806 | 451080 | H30002-86 | S213-6 | G60600-0006 | S44-10-10-8 | G60670-1008 |
| VS269NTA-8-8 | G32104-0808 | 451081 | H30002-88 | S213-8 | G60600-0008 | S44-10-6-6 | G60669-1006 |
| VS271NTA-6-6 | G32130-0606 | 451082 | H30002-90 | S224-2 | G60635-0202 | S44-6-6-8 | G60669-0608 |
| VS272NTA-10-8 | G32134-1008 | 451083 | H30002-92 | S224-4 | G60635-0404 | S44-8-6-6 | G60670-0806 |
| VS272NTA-4-2 | G32134-0402 | 451084 | H30002-94 | S224-6 | G60635-0606 | S44-8-6-8 | G60671-0806 |
| VS272NTA-4-4 | G32134-0404 | 451085 | H30002-96 | S224-8 | G60635-0808 | S44-8-8-6 | G60669-0806 |
| VS272NTA-6-4 | G32134-0604 | 451086 | H30002-98 | S225-2 | G60641-0202 | S46-10-12 | G60660-1012 |
| VS272NTA-6-6 | G32134-0606 | 451087 | H30002-100 | S225-4 | G60641-0404 | S46-10-8 | G60660-1008 |
| VS272NTA-8-6 | G32134-0806 | 451088 | H30002-102 | S225-6 | G60641-0606 | S46-12-12 | G60660-1212 |
| VS272NTA-8-8 | G32134-0808 | 451089 | H30002-104 | S225-8 | G60641-0808 | S46-12-8 | G60660-1208 |
| VS68NTA-10-6 | G32100-1006 | 451090 | H30002-106 | S226-12 | G60642-1212 | S46-3-2 | G60660-0302 |
| VS68NTA-10-8 | G32100-1008 | 451091 | H30002-108 | S226-2 | G60642-0202 | S46-4-2 | G60660-0402 |
| VS68NTA-12-12 | G32100-1212 | 451092 | H30002-110 | S226-4 | G60642-0404 | S46-4-4 | G60660-0404 |
| VS68NTA-12-8 | G32100-1208 | 451093 | H30002-112 | S226-6 | G60642-0606 | S46-4-6 | G60660-0406 |
| VS68NTA-4-2 | G32100-0402 | 451094 | H30002-114 | S226-8 | G60642-0808 | S46-4-8 | G60660-0408 |
| VS68NTA-4-4 | G32100-0404 | 451095 | H30002-116 | S360AB-6 | G33050-0006 | S46-5-2 | G60660-0502 |
| VS68NTA-4-6 | G32100-0406 | 451096 | H30002-118 | S360AB-8 | G33050-0008 | S46-5-4 | G60660-0504 |
| VS68NTA-6-2 | G32100-0602 | 451097 | H30002-120 | S361AB-6 | G33060-0008 | S46-6-2 | G60660-0602 |
| VS68NTA-6-4 | G32100-0604 | 451098 | H30002-122 | S361ABS-6 | G33061-0006 | S46-6-4 | G60660-0604 |

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Competitive Interchange

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| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

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| S46-6-8..... | G60660-0608 | S692-6-5..... | G36508-0605 | S771AB-4-4..... | G32130-0404 | 016201..... | G32400-1212 |
| S46-8-4..... | G60660-0804 | S692-8-8..... | G36508-0808 | S771AB-6-4..... | G32130-0406 | 016240..... | G32400-0404 |
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| S46-8-8..... | G60660-0808 | S760AB-12..... | G32050-0012 | S771AB-8-6..... | G32130-0608 | 016280..... | G32400-0808 |
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| S48-10-8..... | G60650-1008 | S760AB-6..... | G32050-0006 | S772AB-10-8..... | G32134-1008 | 016301..... | G32050-0012 |
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| S48-4-8..... | G60650-0408 | S761AB-8..... | G32060-0008 | S772AB-8-6..... | G32134-0806 | 016480..... | G32450-0808 |
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| S48-5-4..... | G60650-0504 | S762AB-12..... | G32400-1212 | S774AB-4..... | G32300-0404 | 016580..... | G32404-0808 |
| S48-5-6..... | G60650-0506 | S762AB-4..... | G32400-0404 | S774AB-6..... | G32300-0606 | 016662..... | G32150-0602 |
| S48-6-2..... | G60650-0602 | S762AB-6..... | G32400-0606 | S774AB-8..... | G32300-0808 | 016664..... | G32150-0604 |
| S48-6-4..... | G60650-0604 | S762AB-8..... | G32400-0808 | S779AB-10-8..... | G32102-1008 | 016806..... | G32100-1006 |
| S48-6-6..... | G60650-0606 | S763AB-10..... | G32040-0010 | S779AB-4-2..... | G32102-0402 | 016808..... | G32100-1008 |
| S48-6-8..... | G60650-0608 | S763AB-12..... | G32040-0012 | S779AB-4-4..... | G32102-0404 | 016811..... | G32100-1212 |
| S48-8-12..... | G60650-0812 | S763AB-4..... | G32040-0004 | S779AB-6-2..... | G32102-0602 | 016818..... | G32100-1208 |
| S48-8-4..... | G60650-0804 | S763AB-6..... | G32040-0006 | S779AB-6-4..... | G32102-0604 | 016842..... | G32100-0402 |
| S48-8-6..... | G60650-0806 | S763AB-8..... | G32040-0008 | S779AB-6-6..... | G32102-0606 | 016844..... | G32100-0404 |
| S48-8-8..... | G60650-0808 | S764AB-10..... | G32450-1010 | S779AB-6-8..... | G32102-0608 | 016846..... | G32100-0606 |
| S49-10-8..... | G60654-1008 | S764AB-4..... | G32450-0404 | S779AB-8-6..... | G32102-0806 | 016862..... | G32100-0602 |
| S49-3-2..... | G60654-0302 | S764AB-6..... | G32450-0606 | S779AB-8-8..... | G32102-0808 | 016864..... | G32100-0604 |
| S49-4-2..... | G60654-0402 | S764AB-8..... | G32450-0808 | SDC604-2..... | G33830-0002 | 016866..... | G32100-0606 |
| S49-4-4..... | G60654-0404 | S765AB-10..... | G32404-1010 | SDC604-4..... | G33830-0004 | 016868..... | G32100-0608 |
| S49-4-6..... | G60654-0406 | S765AB-4..... | G32404-0404 | SDC604-6..... | G33830-0006 | 016884..... | G32100-0804 |
| S49-5-2..... | G60654-0502 | S765AB-6..... | G32404-0606 | SFB-10..... | G60684-0010 | 016886..... | G32100-0806 |
| S49-5-4..... | G60654-0504 | S765AB-8..... | G32404-0808 | SFB-12..... | G60684-0012 | 016888..... | G32100-0808 |
| S49-6-2..... | G60654-0602 | S766AB-10-6..... | G32150-1006 | SFB-4..... | G60684-0004 | 016906..... | G32104-1006 |
| S49-6-4..... | G60654-0604 | S766AB-10-8..... | G32150-1008 | SFB-5..... | G60684-0005 | 016908..... | G32104-1008 |
| S49-6-6..... | G60654-0606 | S766AB-4-2..... | G32150-0402 | SFB-6..... | G60684-0006 | 016911..... | G32104-1208 |
| S49-6-8..... | G60654-0608 | S766AB-4-4..... | G32150-0404 | SFB-8..... | G60684-0008 | 016942..... | G32104-0402 |
| S49-8-4..... | G60654-0804 | S766AB-6-2..... | G32150-0602 | SFF209-2..... | G33715-0202 | 016944..... | G32104-0404 |
| S49-8-6..... | G60654-0806 | S766AB-6-4..... | G32150-0604 | SFF209-4..... | G33715-0404 | 016946..... | G32104-0406 |
| S49-8-8..... | G60654-0808 | S766AB-6-6..... | G32150-0606 | SFF209-6..... | G33715-0606 | 016962..... | G32104-0602 |
| S50-10-8..... | G60664-1008 | S766AB-8-6..... | G32150-0806 | SFF209-8..... | G33715-0808 | 016964..... | G32104-0604 |
| S50-6-6..... | G60664-0606 | S766AB-8-8..... | G32150-0808 | SPHN-12..... | G60605-1212 | 016966..... | G32104-0606 |
| S50-8-8..... | G60664-0808 | S768AB-10-6..... | G32100-1006 | SPHN-2..... | G60605-0202 | 016968..... | G32104-0608 |
| S625-10-12..... | G36100-1012 | S768AB-10-8..... | G32100-1008 | SPHN-4..... | G60605-0404 | 016984..... | G32104-0804 |
| S625-10-6..... | G36100-1006 | S768AB-12-12..... | G32100-1212 | SPHN-4-2..... | G60605-0204 | 016986..... | G32104-0806 |
| S625-10-8..... | G36100-1008 | S768AB-12-8..... | G32100-1208 | SPHN-6..... | G60605-0606 | 016988..... | G32104-0808 |
| S625-12-12..... | G36100-1212 | S768AB-4-2..... | G32100-0402 | SPHN-6-2..... | G60605-0206 | 017064..... | G32154-0604 |
| S625-12-8..... | G36100-1208 | S768AB-4-4..... | G32100-0404 | SPHN-6-4..... | G60605-0406 | 017242..... | G32134-0402 |
| S625-4-2..... | G36100-0402 | S768AB-4-6..... | G32100-0406 | SPHN-8..... | G60605-0808 | 017264..... | G32134-0604 |
| S625-4-4..... | G36100-0404 | S768AB-6-2..... | G32100-0602 | SPHN-8-4..... | G60605-0408 | 017266..... | G32134-0606 |
| S625-4-6..... | G36100-0406 | S768AB-6-4..... | G32100-0604 | SPHN-8-6..... | G60605-0608 | 017286..... | G32134-0806 |
| S625-5-2..... | G36100-0502 | S768AB-6-6..... | G32100-0606 | SPPH-12..... | G60601-0012 | 017808..... | G32102-1008 |
| S625-5-4..... | G36100-0504 | S768AB-6-8..... | G32100-0608 | SPPH-2..... | G60601-0002 | 017842..... | G32102-0402 |
| S625-6-2..... | G36100-0602 | S768AB-8-4..... | G32100-0804 | SPPH-4..... | G60601-0004 | 017844..... | G32102-0404 |
| S625-6-4..... | G36100-0604 | S768AB-8-6..... | G32100-0806 | SPPH-6..... | G60601-0006 | 017862..... | G32102-0602 |
| S625-6-6..... | G36100-0606 | S768AB-8-8..... | G32100-0808 | SPPH-8..... | G60601-0008 | 017864..... | G32102-0604 |
| S625-8-4..... | G36100-0804 | S769AB-10-6..... | G32104-1006 | SV402-2..... | G33710-0202 | 017866..... | G32102-0606 |
| S625-8-6..... | G36100-0806 | S769AB-10-8..... | G32104-1008 | SV402-4..... | G33710-0404 | 017868..... | G32102-0608 |
| S625-8-8..... | G36100-0808 | S769AB-12-8..... | G32104-1208 | SV402-6..... | G33710-0606 | 017886..... | G32102-0806 |
| S626-12-12..... | G36170-1212 | S769AB-4-2..... | G32104-0402 | SV601-2..... | G33801-0002 | 017888..... | G32102-0808 |
| S626-4-6..... | G36170-0406 | S769AB-4-4..... | G32104-0404 | SV601-4..... | G33801-0004 | 035001..... | G33032-0006 |
| S626-6-6..... | G36170-0606 | S769AB-4-6..... | G32104-0406 | SV601-6..... | G33801-0006 | 140000..... | G33030-0604 |
| S628-12-12..... | G36105-1212 | S769AB-6-2..... | G32104-0602 | SV601-8..... | G33801-0008 | 142001..... | G33030-0606 |
| S628-4-4..... | G36105-0404 | S769AB-6-4..... | G32104-0604 | SVC206-4-2..... | G33705-0402 | 500001..... | G33100-0608 |
| S628-6-6..... | G36105-0606 | S769AB-6-6..... | G32104-0606 | SVC206-4-4..... | G33705-0404 | 500003..... | G33111-0608 |
| S628-8-8..... | G36105-0808 | S769AB-6-8..... | G32104-0608 | SVC206-6-4..... | G33705-0604 | 500004..... | G33060-0006 |
| S682-4-4..... | G36111-0404 | S769AB-8-4..... | G32104-0804 | SVC406P-4..... | G33650-0404 | 500005..... | G33050-0006 |
| S682-6-6..... | G36111-0606 | S769AB-8-6..... | G32104-0806 | SVC406P-6..... | G33650-0606 | 500009..... | G33100-0606 |
| S682-6-8..... | G36111-0608 | S769AB-8-8..... | G32104-0808 | SVC407P-4..... | G33655-0404 | 500011..... | G33111-0606 |
| S682-8-8..... | G36111-0808 | S770AB-10-8..... | G32154-1008 | SVC407P-6..... | G33655-0606 | 500015..... | G33100-0604 |
| S684-12-12..... | G36165-1212 | S770AB-4-2..... | G32154-0402 | | | 500017..... | G33111-0604 |
| S684-4-6..... | G36165-0406 | S770AB-4-4..... | G32154-0404 | VELVAC | | 500019..... | G33110-0608 |
| S684-6-6..... | G36165-0606 | S770AB-6-2..... | G32154-0602 | 016100..... | G32060-0010 | 500022..... | G33061-0006 |
| S687-10-10..... | G36520-1010 | S770AB-6-4..... | G32154-0604 | 016101..... | G32060-0012 | 500024..... | G33112-0006 |
| S687-8-8..... | G36520-0808 | S770AB-6-6..... | G32154-0606 | 016140..... | G32060-0004 | 500025..... | G33110-0606 |
| S690-5-6..... | G36200-0506 | S770AB-8-6..... | G32154-0806 | 016160..... | G32060-0006 | 500027..... | G33110-0604 |
| | | S770AB-8-8..... | G32154-0808 | 016180..... | G32060-0008 | 500031..... | G33400-0606 |
| | | S771AB-10-8..... | G32130-0810 | | | 500050..... | G33100-0808 |

Competitive Interchange

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
|-----------------------|-------------|----------------------------|--------------|----------------------------|--------------|----------------------------|-------------|
| VELVAC - CONT. | | WEATHERHEAD - CONT. | | WEATHERHEAD - CONT. | | WEATHERHEAD - CONT. | |
| 500051..... | G33100-0806 | 00906B606..... | G36170-0606 | 10006B102..... | G36100-0602 | 1468X6X2..... | G32100-0602 |
| 500052..... | G33030-0806 | 00906BB06..... | G36500-0606 | 10006B106..... | G36100-0606 | 1468X6X6..... | G32100-0606 |
| 500053..... | G33111-0808 | 05703B102..... | G37100-0302 | 10006B256..... | G36110-0606 | 1468X6X8..... | G32100-0608 |
| 500054..... | G33060-0008 | 05704B102..... | G37100-0402 | 10006B306..... | G36195-0606 | 1468X8..... | G32100-0806 |
| 500055..... | G33050-0008 | 05704B104..... | G37100-0404 | 10006B405..... | G36210-0605 | 1468X8X4..... | G32100-0804 |
| 500061..... | G33111-0806 | 05704BB64..... | G37504-0404 | 10006B406..... | G36200-0606 | 1468X8X8..... | G32100-0808 |
| 500070..... | G33110-0808 | 05704BB65..... | G37504-0405 | 10006BA05..... | G36508-0605 | 1469X10..... | G32104-1008 |
| 500072..... | G33061-0008 | 05704BC02..... | G37106-0402 | 10006BB05..... | G36500-0605 | 1469X10X6..... | G32104-1006 |
| 500074..... | G33112-0008 | 05705B102..... | G37100-0502 | 10006BC02..... | G36106-0602 | 1469X12..... | G32104-1208 |
| 500078..... | G33110-0806 | 05705B104..... | G37100-0504 | 10006BC04..... | G36106-0406 | 1469X4..... | G32104-0402 |
| 500088..... | G33400-0808 | 05705B1560..... | G37500-0505 | 10006BY06..... | G36535-0606 | 1469X4X4..... | G32104-0404 |
| | | 05705B1561..... | G37500-0506 | 10008B106..... | G36100-0806 | 1469X4X6..... | G32104-0406 |
| | | 05705B1598..... | G37500-0504 | 10008B108..... | G36100-0808 | 1469X6..... | G32104-0604 |
| WEATHERHEAD | | 05705BC02..... | G37106-0502 | 10008B258..... | G36110-0808 | 1469X6X2..... | G32104-0602 |
| 130..... | G33830-0002 | 05705BC04..... | G37106-0504 | 10008B408..... | G36210-0808 | 1469X6X6..... | G32104-0606 |
| 140..... | G33830-0004 | 05706B102..... | G37100-0602 | 10008BA08..... | G36508-0808 | 1469X6X8..... | G32104-0608 |
| 230..... | G33830-0006 | 05706B104..... | G37100-0604 | 10008BB08..... | G36500-0808 | 1469X8..... | G32104-0806 |
| 320..... | G33945-0402 | 05706B106..... | G37100-0606 | 10008BY08..... | G36535-0808 | 1469X8X4..... | G32104-0804 |
| 325..... | G33945-0502 | 05706B1416..... | G37504-0605 | 10010B108..... | G36100-1008 | 1469X8X8..... | G32104-0808 |
| 330..... | G33945-0604 | 05706B1417..... | G37504-0606 | 10010B410..... | G36210-0810 | 1470X4..... | G32154-0402 |
| 530..... | G33940-0402 | 05706B1568..... | G37500-0605 | 10010B410..... | G36210-1010 | 1470X6..... | G32154-0604 |
| 537..... | G33720-0402 | 05706B1570..... | G37500-0606 | 10012B112..... | G36100-1212 | 1470X6X6..... | G32154-0606 |
| 630..... | G33940-0502 | 05706BC02..... | G37106-0602 | 10012B412..... | G36200-1212 | 1470X8..... | G32154-0806 |
| 632..... | G33720-0502 | 05706BC04..... | G37106-0604 | 10012B610..... | G36210-1210 | 1471X4..... | G32130-0204 |
| 695..... | G33940-0504 | 05706BC06..... | G37106-0606 | 10012B612..... | G36170-1212 | 1471X6..... | G32130-0406 |
| 700..... | G33940-0604 | 05710B106..... | G37100-1006 | 12EY62..... | G40460-1212B | 1471X6X6X6..... | G32130-0606 |
| 702..... | G33720-0504 | 05710B108..... | G37100-1008 | 131X3..... | G60691-0003 | 1471X8..... | G32130-0608 |
| 703..... | G33720-0604 | 05710B108..... | G37100-1008 | 131X4..... | G60691-0004 | 1472X10..... | G32134-1008 |
| 1341..... | G33302-0804 | 05712B108..... | G37100-1208 | 131X5..... | G60691-0005 | 1472X4..... | G32134-0402 |
| 1344..... | G33300-0404 | 0578B106..... | G37100-0806 | 131X6..... | G60691-0006 | 1472X6..... | G32134-0604 |
| 1345..... | G33301-0404 | 0578B108..... | G37100-0808 | 1390X6..... | G33030-0604 | 1472X6X6X2..... | G32134-0602 |
| 1346..... | G33300-0606 | 06904D102..... | G34100-0402 | 1390X6X6..... | G33030-0606 | 1472X6X6X6..... | G32134-0606 |
| 1351..... | G33300-0808 | 06904D104..... | G34100-0404 | 1390X6X8..... | G33030-0806 | 1472X8..... | G32134-0806 |
| 1433..... | G33620-1206 | 06904D604..... | G34210-0404 | 1390X8X8..... | G33030-0808 | 1472X8X8..... | G32134-0808 |
| 1451..... | G33620-1208 | 06904DB04..... | G34500-0404 | 1391X6..... | G33111-0604 | 1474X10..... | G32300-1010 |
| 6700..... | G33940-0404 | 06905D104..... | G34100-0504 | 1391X6X6..... | G33111-0606 | 1474X4..... | G32300-0404 |
| 6703..... | G33945-0504 | 06905D605..... | G34210-0505 | 1391X6X8..... | G33111-0608 | 1474X6..... | G32300-0606 |
| 6707..... | G33655-0606 | 06906D104..... | G34100-0604 | 1391X8..... | G33111-0806 | 1474X8..... | G32300-0808 |
| 6708..... | G33656-0606 | 06906D406..... | G34200-0606 | 1391X8X8..... | G33111-0808 | 1480X10..... | G32102-1008 |
| 6709..... | G33650-0606 | 06906D606..... | G34170-0606 | 1460X10..... | G32050-0010 | 1480X4..... | G32102-0402 |
| 6715..... | G33950-0404 | 06906DB06..... | G34500-0605 | 1460X12..... | G32050-0012 | 1480X4X4..... | G32102-0404 |
| 6719..... | G33730-0404 | 06908D106..... | G34100-0806 | 1460X4..... | G32050-0004 | 1480X6..... | G32102-0604 |
| 6724..... | G33730-0505 | 06908D108..... | G34100-0808 | 1460X6..... | G32050-0006 | 1480X6X2..... | G32102-0602 |
| 6729..... | G33730-0606 | 06908D608..... | G34210-0808 | 1460X8..... | G32050-0008 | 1480X6X6..... | G32102-0606 |
| 6737..... | G33650-0202 | 06910D108..... | G34100-1008 | 1461X10..... | G32060-0010 | 1480X6X8..... | G32102-0608 |
| 6747..... | G33655-0404 | 06910D610..... | G34210-1010 | 1461X12..... | G32060-0012 | 1480X8..... | G32102-0806 |
| 6748..... | G33656-0404 | 06912D112..... | G34100-1212 | 1461X4..... | G32060-0004 | 1480X8X8..... | G32102-0808 |
| 6749..... | G33650-0404 | 06912D412..... | G34200-1212 | 1461X6..... | G32060-0006 | 1484X10..... | G32040-0010 |
| 6788..... | G33831-0004 | 06912D612..... | G34170-1212 | 1461X8..... | G32060-0008 | 1484X12..... | G32040-0012 |
| 6800..... | G33930-0202 | 06916D112..... | G34100-1612 | 1462X10..... | G32400-1010 | 1484X4..... | G32040-0004 |
| 6804..... | G33715-0202 | 06916D116..... | G34100-1616 | 1462X12..... | G32400-1212 | 1484X6..... | G32040-0006 |
| 6805..... | G33930-0404 | 06916D616..... | G34170-1616 | 1462X4..... | G32400-0404 | 1484X8..... | G32040-0008 |
| 6809..... | G33715-0404 | 06916DX26..... | G34562-1616 | 1462X6..... | G32400-0606 | 1862X10..... | G31400-1010 |
| 6810..... | G33915-0202 | 06920D120..... | G34100-2020 | 1462X8..... | G32400-0808 | 1862X25..... | G31400-2525 |
| 6815..... | G33910-0404 | 06920D620..... | G34170-2020 | 1464X10..... | G32450-1010 | 1862X4..... | G31400-0404 |
| 6815..... | G33915-0404 | 06924D124..... | G34100-2424 | 1464X4..... | G32450-0404 | 1862X6..... | G31400-0606 |
| 6820..... | G33920-0202 | 06924D624..... | G34170-2424 | 1464X6..... | G32450-0606 | 1862X8..... | G31400-0808 |
| 6824..... | G33710-0202 | 06932D132..... | G34100-3232 | 1464X8..... | G32450-0808 | 1864X12..... | G31450-1212 |
| 6825..... | G33920-0404 | 06932D632..... | G34170-3232 | 1465X10..... | G32404-1010 | 1864X4..... | G31450-0404 |
| 6829..... | G33710-0404 | 08ET60..... | G40461-1010B | 1465X4..... | G32404-0404 | 1864X6..... | G31450-0606 |
| 6829..... | G33710-0808 | 08EY58..... | G40460-0808B | 1465X6..... | G32404-0606 | 1864X8..... | G31450-0808 |
| 6891..... | G33801-0002 | 08EY60..... | G40460-1010B | 1465X8..... | G32404-0808 | 1865X4..... | G31404-0404 |
| 6892..... | G33801-0004 | 10004B254..... | G36110-0404 | 1466X12..... | G32150-1208 | 1865X6..... | G31404-0606 |
| 6893..... | G33801-0006 | 10004B304..... | G36195-0404 | 1466X4..... | G32150-0402 | 1865X8..... | G31404-0808 |
| 7502..... | G33620-1008 | 10004B305..... | G36195-0405 | 1466X6..... | G32150-0604 | 1866X4..... | G31150-0402 |
| 7504..... | G33620-1006 | 10004B306..... | G36195-0406 | 1466X6X2..... | G32150-0602 | 1866X4X4..... | G31150-0404 |
| 7506..... | G33620-0606 | 10004B405..... | G36210-0405 | 1466X6X6..... | G32150-0606 | 1866X6..... | G31150-0604 |
| 7508..... | G33630-0808 | 10004BB03..... | G36500-0403 | 1466X8..... | G32150-0806 | 1866X6X6..... | G31150-0606 |
| 7509..... | G33630-0606 | 10004BB04..... | G36500-0404 | 1468X10..... | G32100-1008 | 1866X8..... | G31150-0806 |
| 14217..... | G33021-0004 | 10004BB05..... | G36500-0405 | 1468X10X6..... | G32100-1006 | 1866X8X8..... | G31150-0808 |
| 00904B102..... | G36100-0402 | 10004BY04..... | G36535-0404 | 1468X12..... | G32100-1208 | 1868X10..... | G31100-1008 |
| 00904B104..... | G36100-0404 | 10005B102..... | G36100-0502 | 1468X12X12..... | G32100-1212 | 1868X10X6..... | G31100-1006 |
| 00904B604..... | G36210-0404 | 10005B104..... | G36100-0504 | 1468X4..... | G32100-0402 | 1868X12..... | G31100-1212 |
| 00905B605..... | G36210-0505 | 10005BB04..... | G36500-0504 | 1468X4X4..... | G32100-0404 | 1868X12X8..... | G31100-1208 |
| 00905BB05..... | G36500-0505 | 10005BB06..... | G36500-0506 | 1468X4X6..... | G32100-0406 | 1868X25..... | G31100-2502 |
| 00906B104..... | G36100-0604 | 10005BY05..... | G36535-0505 | 1468X6..... | G32100-0604 | 1868X25X1..... | G31100-2501 |

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|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

Competitive Interchange

| |
|--|
| AIR BRAKE NYLON TUBING |
| AIR BRAKE COPPER TUBING |
| AIR BRAKE SURELOK |
| COMPOSITE AIR BRAKE SURELOK |
| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
| VALVES |
| BRASS LOCK-ON FIELD ATTACHABLE COUPLINGS |
| SINGLE BEAD |
| BARB STEM |
| INVERTED FLARE |
| AUTOMOTIVE ADAPTERS |
| COPPER TUBING INDUSTRIAL COMPRESSION |
| INDUSTRIAL SURELOK |
| MINI-BARBED TUBE |
| POLY INDUSTRIAL COMPRESSION |
| PIPE ADAPTERS |
| ADAPTERS SAE FLARE |
| THREADED SLEEVE |
| KITS & ASSORTMENTS |

| Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. | Interchange No. | Gates No. |
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| 1868X4..... | G31100-0402 | 1880X4X4..... | G31102-0404 | 24705NE05..... | G34504-0505 | 3300X6..... | G60631-0606 |
| 1868X4X1..... | G31100-0401 | 1880X4X4S..... | G31122-0404 | 24706N106..... | G34100-0606 | 3300X6X2..... | G60631-0602 |
| 1868X4X4..... | G31100-0404 | 1880X6..... | G31102-0604 | 24706N306..... | G34195-0606 | 3300X6X4..... | G60631-0604 |
| 1868X4X6..... | G31100-0406 | 1880X6S..... | G31122-0604 | 24706N446..... | G34206-0606 | 3300X8..... | G60631-0808 |
| 1868X6..... | G31100-0604 | 1880X6X2..... | G31102-0602 | 24706N466..... | G34205-0606 | 3300X8X6..... | G60631-0806 |
| 1868X6X2..... | G31100-0602 | 1880X6X6..... | G31102-0606 | 24706N486..... | G34202-0606 | 3325X12..... | G60605-1212 |
| 1868X6X6..... | G31100-0606 | 1880X6X6S..... | G31122-0606 | 24706N506..... | G34165-0606 | 3325X2..... | G60605-0202 |
| 1868X6X8..... | G31100-0608 | 1880X6X8..... | G31102-0608 | 24706N608..... | G34210-0608 | 3325X4..... | G60605-0404 |
| 1868X8..... | G31100-0806 | 1880X8..... | G31102-0806 | 24706N646..... | G34181-0606 | 3325X4X2..... | G60605-0204 |
| 1868X8X4..... | G31100-0804 | 1880X8S..... | G31122-0806 | 24706N666..... | G34180-0606 | 3325X6..... | G60605-0606 |
| 1868X8X8..... | G31100-0808 | 1880X8X4..... | G31102-0804 | 24706N686..... | G34175-0606 | 3325X6X2..... | G60605-0206 |
| 1869X10..... | G31104-1008 | 1880X8X8..... | G31102-0808 | 24706N754..... | G34510-0606 | 3325X6X4..... | G60605-0406 |
| 1869X10S..... | G31124-1008 | 1880X8X8S..... | G31122-0808 | 24706NB06..... | G34500-0606 | 3325X8..... | G60605-0808 |
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| 1869X4..... | G31104-0402 | 202X4X4..... | G60625-0404 | 24708N668..... | G34211-0808 | 3350X4..... | G60635-0404 |
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| 1869X4X4..... | G31104-0404 | 202X5X4..... | G60625-0504 | 24710BY60..... | G34510-1010 | 3350X8..... | G60635-0808 |
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| 1869X4X6..... | G31104-0406 | 202X6X2..... | G60625-0602 | 24710N310..... | G34195-1010 | 33806B..... | G33060-0006 |
| 1869X4X6S..... | G31124-0406 | 202X6X6..... | G60625-0606 | 24710N510..... | G34165-1010 | 33806BY06..... | G33040-0606 |
| 1869X6..... | G31104-0604 | 202X8..... | G60625-0806 | 24710N608..... | G34210-1008 | 33806BY24..... | G33100-0604 |
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| 1869X6X2..... | G31104-0602 | 202X8X8..... | G60625-0808 | 24712N312..... | G34195-1212 | 33806BY28..... | G33100-0608 |
| 1869X6X2S..... | G31124-0602 | 211273A..... | G33622-1006 | 24712N452..... | G34206-1212 | 33806BY34..... | G33110-0604 |
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| 1869X8..... | G31104-0806 | 21304N684..... | G35211-0404 | 24716N516..... | G34165-1616 | 33806BY86..... | G33151-0606 |
| 1869X8S..... | G31124-0806 | 21304NB04..... | G35500-0404 | 252X3..... | G60630-0302 | 33806C..... | G33112-0006 |
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| 1869X8X8S..... | G31124-0808 | 21305NB05..... | G35500-0505 | 252X8..... | G60630-0806 | 33808BY08..... | G33400-0808 |
| 1870X4..... | G31154-0402 | 21305NE05..... | G35504-0505 | 302X2..... | G60693-0002 | 33808BY26..... | G33100-0806 |
| 1870X4X4..... | G31154-0404 | 21306N106..... | G35100-0606 | 302X3..... | G60693-0003 | 33808BY28..... | G33100-0808 |
| 1870X6..... | G31154-0604 | 21306N406..... | G35200-0606 | 302X4..... | G60693-0004 | 33808BY36..... | G33110-0806 |
| 1870X6X6..... | G31154-0606 | 21306N466..... | G35205-0606 | 302X5..... | G60693-0005 | 33808BY38..... | G33110-0808 |
| 1870X8X8..... | G31154-0808 | 21306N486..... | G35202-0606 | 302X6..... | G60693-0006 | 33808BY78..... | G33150-0808 |
| 1871X4X4..... | G31130-0404 | 21306N606..... | G35170-0606 | 302X8..... | G60693-0008 | 33808C..... | G33112-0008 |
| 1871X4X4S..... | G31140-0404 | 21306N666..... | G35180-0606 | 3129X2..... | G60600-0002 | 33808D..... | G33061-0008 |
| 1871X6..... | G31130-0604 | 21306N686..... | G35175-0606 | 3129X4..... | G60600-0004 | 3400X12..... | G60620-1212 |
| 1871X6X6..... | G31130-0606 | 21306NB06..... | G35500-0606 | 3129X6..... | G60600-0006 | 3400X2..... | G60620-0202 |
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| 1871X8S..... | G31140-0608 | 21306NE46..... | G35502-0606 | 3152X2..... | G60601-0002 | 3400X6..... | G60620-0606 |
| 1871X8X8..... | G31140-0808 | 21308N108..... | G35100-0808 | 3152X4..... | G60601-0004 | 3400X8..... | G60620-0808 |
| 1872X4..... | G31134-0402 | 21308N608..... | G35210-0808 | 3152X6..... | G60601-0006 | 3500X12..... | G60637-1212 |
| 1872X4S..... | G31142-0402 | 21308N668..... | G35212-0808 | 3152X8..... | G60601-0008 | 3500X2..... | G60637-0202 |
| 1872X4X4..... | G31134-0404 | 21308N688..... | G35211-0808 | 3200X12X6..... | G60614-1206 | 3500X4..... | G60637-0404 |
| 1872X4X4S..... | G31142-0404 | 21308NB08..... | G35500-0808 | 3200X12X8..... | G60615-0812 | 3500X6..... | G60637-0606 |
| 1872X6..... | G31134-0604 | 21308NE08..... | G35504-0808 | 3200X2..... | G60615-0202 | 3500X8..... | G60637-0808 |
| 1872X6S..... | G31142-0604 | 21308NE48..... | G35502-0808 | 3200X4..... | G60615-0404 | 3600X12..... | G60642-1212 |
| 1872X6X6..... | G31134-0606 | 21310B410..... | G35210-1010 | 3200X4X2..... | G60615-0204 | 3600X2..... | G60642-0202 |
| 1872X8..... | G31134-0806 | 21310N108..... | G35100-1008 | 3200X6..... | G60615-0606 | 3600X4..... | G60642-0404 |
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| 1872X8X4..... | G31134-0804 | 21312N412..... | G35200-1212 | 3200X8X4..... | G60615-0408 | 3600X8..... | G60642-0808 |
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| 1872X8X8..... | G31134-0808 | 21316N116..... | G35100-1616 | 3220X12X8..... | G60614-1208 | 3700X2..... | G60640-0202 |
| 1873X4X4..... | G31360-0404 | 21316N616..... | G35170-1616 | 3220X4X2..... | G60614-0402 | 3700X4..... | G60640-0404 |
| 1873X6X6..... | G31360-0606 | 21316NX26..... | G35562-1616 | 3220X6X2..... | G60614-0602 | 3700X6..... | G60640-0606 |
| 1873X8X8..... | G31360-0808 | 24704N304..... | G34195-0404 | 3220X6X4..... | G60614-0604 | 3700X8..... | G60640-0808 |
| 1874X10X10..... | G31300-1010 | 24704N504..... | G34165-0404 | 3220X8X2..... | G60614-0802 | 3750X12..... | G60641-1212 |
| 1874X4X4..... | G31300-0404 | 24704N644..... | G34212-1010 | 3220X8X4..... | G60614-0804 | 3750X2..... | G60641-0202 |
| 1874X6X6..... | G31300-0606 | 24704N664..... | G34212-0404 | 3220X8X6..... | G60614-0806 | 3750X4..... | G60641-0404 |
| 1874X8X8..... | G31300-0808 | 24704N684..... | G34211-0404 | 3250X2..... | G60632-0202 | 3750X6..... | G60641-0606 |
| 1877X6..... | G31160-0604 | 24704NE04..... | G34504-0404 | 3250X4..... | G60632-0404 | 3750X8..... | G60641-0808 |
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| 1880X10X6..... | G31102-1006 | 24705N505..... | G34165-0505 | 3250X8..... | G60632-0808 | 42X12..... | G60645-1212 |
| 1880X12..... | G31102-1212 | 24705N645..... | G34213-0404 | 3300X12..... | G60631-1212 | 42X2..... | G60645-0202 |
| 1880X12X8..... | G31102-1208 | 24705N665..... | G34212-0505 | 3300X2..... | G60631-0202 | 42X3..... | G60645-0303 |
| 1880X4..... | G31102-0402 | 24705N685..... | G34211-0505 | 3300X4..... | G60631-0404 | 42X4..... | G60645-0404 |

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| 42X8 | G60645-0808 | 48X4 | G60650-0402 | 51X4 | G60659-0204 | A6860 | G33905-0604 |
| 43X4 | G60690-0402 | 48X4X4 | G60650-0404 | 51X4x4 | G60659-0404 | A690 | G33910-0402 |
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| 44X10 | G60669-1010 | 48X6 | G60650-0604 | 51X6 | G60659-0406 | NT10003BK100 | H30002-03 |
| 44X12 | G60669-1212 | 48X6X2 | G60650-0602 | 51X6X6X6 | G60659-0606 | NT10004BK100 | H30002-04 |
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| 44X4 | G60669-0404 | 48X6X8 | G60650-0608 | 51X8X8X8 | G60659-0808 | NT10004GN100 | H30042-04 |
| 44X5 | G60669-0504 | 48X8 | G60650-0806 | 54X10 | G60652-1008 | NT10004OR100 | H30082-04 |
| 44X5 | G60669-0505 | 48X8X4 | G60650-0804 | 54X12 | G60652-1212 | NT10004RD100 | H30052-04 |
| 44X6 | G60669-0606 | 48X8X8 | G60650-0808 | 54X4 | G60652-0402 | NT10004YW100 | H30072-04 |
| 44X8 | G60669-0808 | 49X10 | G60654-1008 | 54X4X4 | G60652-0404 | NT10005BK100 | H30002-05 |
| 45X10 | G60657-1008 | 49X10X6 | G60654-1006 | 54X5 | G60652-0502 | NT10005BK500 | H30000-05 |
| 45X12 | G60657-1208 | 49X12 | G60654-1208 | 54X5X4 | G60652-0504 | NT10006BK100 | H30002-06 |
| 45X3 | G60657-0302 | 49X12X12 | G60654-1212 | 54X6 | G60652-0604 | NT10006BU100 | H30062-06 |
| 45X4 | G60657-0402 | 49X2 | G60654-0202 | 54X6X6 | G60652-0606 | NT10006GN100 | H30042-06 |
| 45X4X4X4 | G60657-0404 | 49X3 | G60654-0302 | 54X8 | G60652-0806 | NT10006OR100 | H30082-06 |
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| 45X5X5X4 | G60657-0504 | 49X4X4 | G60654-0404 | 55X10 | G60648-1010 | NT10006YW100 | H30072-06 |
| 45X6 | G60657-0604 | 49X4X6 | G60654-0406 | 55X4 | G60648-0404 | NT10008BK100 | H30002-08 |
| 45X6X6X6 | G60657-0606 | 49X5 | G60654-0502 | 55X5 | G60648-0505 | NT10008BU100 | H30062-08 |
| 45X8 | G60657-0806 | 49X5X4 | G60654-0504 | 55X6 | G60648-0606 | NT10008GN100 | H30042-08 |
| 45X8X8X8 | G60657-0808 | 49X6 | G60654-0604 | 55X8 | G60648-0808 | NT10008OR100 | H30082-08 |
| 46X10 | G60660-1008 | 49X6X2 | G60654-0602 | A555 | G33905-0402 | NT10008RD100 | H30052-08 |
| 46X3 | G60660-0302 | 49X6X6 | G60654-0606 | A655 | G33905-0502 | NT10008YW100 | H30072-08 |
| 46X4 | G60660-0402 | 49X6X8 | G60654-0608 | A660 | G33910-0502 | NT10010BK100 | H30003-10 |
| 46X4X4 | G60660-0404 | 49X8 | G60654-0806 | A664 | G33705-0502 | NT10010BU100 | H30063-10 |
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| 46X5X4 | G60660-0504 | 49X8X8 | G60654-0808 | A6754 | G33705-0404 | NT10010RD100 | H30053-10 |
| 46X6 | G60660-0604 | 50X10 | G60664-1008 | A6755 | G33910-0504 | NT10012BK100 | H30003-12 |
| 46X6X2 | G60660-0602 | 50X3 | G60664-0302 | A6759 | G33705-0504 | W1206 | G30050-1208 |
| 46X6X6 | G60660-0606 | 50X4 | G60664-0402 | A6760 | G33910-0604 | W13630 | G33032-0006 |
| 46X6X8 | G60660-0608 | 50X4X4 | G60664-0404 | A6763 | G33901-0303 | W1512 | G30050-1508 |
| 46X8 | G60660-0806 | 50X5 | G60664-0502 | A6764 | G33705-0604 | W15310 | G33832-0404 |
| 46X8X4 | G60660-0804 | 50X5X4 | G60664-0504 | A6765 | G33901-0404 | W20332 | G33805-0404 |
| 46X8X8 | G60660-0808 | 50X6 | G60664-0604 | A6769 | G33701-0404 | W75150 | G33031-0608 |
| 48X10 | G60650-1008 | 50X6X6 | G60664-0606 | A6770 | G33901-0505 | W79850 | G33031-0508 |
| 48X10X6 | G60650-1006 | 50X8 | G60664-0806 | A6774 | G33701-0505 | | |
| 48X12 | G60650-1208 | 50X8X8 | G60664-0808 | A6775 | G33901-0606 | | |
| 48X12X12 | G60650-1212 | 51X10 | G60659-0810 | A6779 | G33701-0606 | | |

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| AIR BRAKE COMPRESSION FITTINGS |
| AIR BRAKE COUPLINGS FOR RUBBER HOSE |
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Coupling Cabinets

Customized to fit all your needs

Now even more versatile, these easy-to-assemble units are compactly designed to give you years of reliable service. Components are ordered individually by part/product number for easy customization.

**Great
for
Brass**

1. Mounting Shelf

Part No. 78193

Product No. 7484-0013

2. Coupling Cabinet with Four Sliding Shelves [2 Shown]

Part No. 78190

Product No. 7484-0010

Shelves slide out for easy access and can hold a combination of ten 3 1/2" wide bin boxes or five 7" wide bin boxes. Unit can be stacked and bolted together as shown in image. Each measures 41" wide x 21" high x 12" deep.

Safety Hint:

Slide open only one shelf at a time to avoid tipping

3. Stationary Legs [Shown]

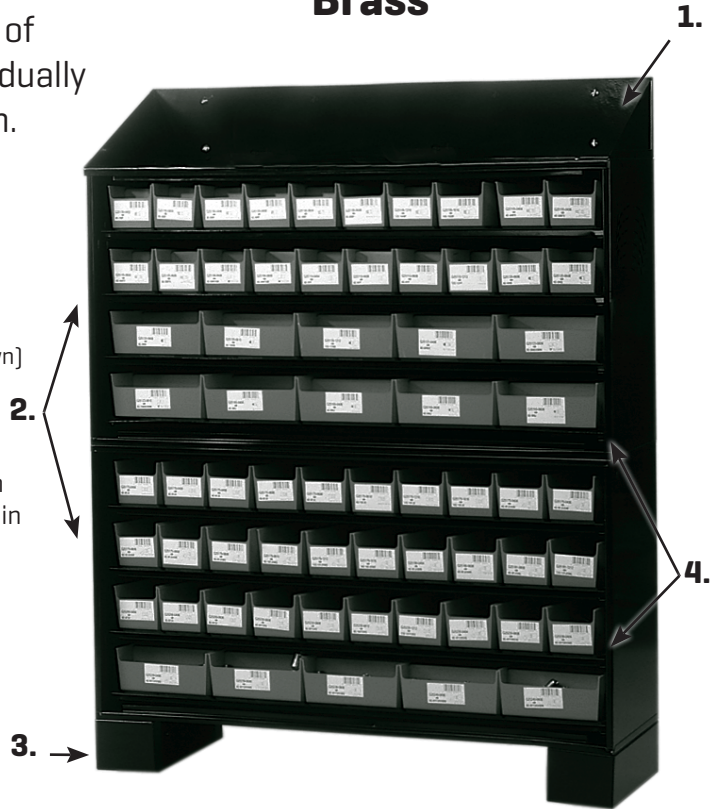
Part No. 78191

Product No. 7484-0011

Allows for precise leveling.

4. Bin Boxes

Ordered separately in whatever combination best fits your needs. Four dividers come with each bin box. Each bin box has nine available slots, which allows for maximum utilization.



When assembled, the typical combination of two 4-shelf coupling cabinets and stationary leg set as shown measures 48" high x 41" wide x 12" deep.

| Description | Part No. | Product No. |
|---|----------|-------------|
| Ten 3.5" wide bins with three dividers each | 78194 | 7484-0014 |
| Five 7" wide bins with three dividers each | 78195 | 7484-0015 |
| Three dividers for 3.5" wide bin box | 78196 | 7484-0016 |
| Three dividers for 7" wide bin box | 78197 | 7484-0017 |
| Sixty dividers for 3.5" wide bin box | 78199 | 7484-0031 |

2-Drawer Coupling Cabinet

Part No. 78189

Product No. 7484-0021

This two-drawer cabinet is ideal to add nylon air brake tubing couplings to your inventory. This cabinet can be stacked and bolted together with your existing cabinet. Uses the same bin boxes as above. Measures 41" wide x 11" high x 12" deep.






POWERING PROGRESS™



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