

BRASS FITTINGS



COUPLINGS COMPANY, INC.

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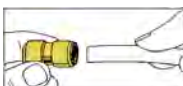
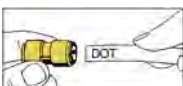
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See List Price Sheet & Our Website For List Prices

PIPE FITTINGS  1R - 4R	FLARE  5R - 7R	COMPRESSION  8R - 10R	CAPTIVE SLEEVE  8R & 11R	POLY TUBE COMPRESSION  14R	PUSH TO CONNECT  15R	AIR BRAKE PUSH TO CONN.  16R
AIR BRAKE NYLON TUBING  20R - 21R	AIR BRAKE COPPER TUBING  19R & 22R	REUSEABLE AIR BRAKE  20R - 21R	TRANSMISSION  20R	GARDEN HOSE  24R - 25R	INVERTED FLARE  26R - 27R	HOSE BARBS  28R - 31R
STEEL HEATER FITTINGS  31R	PUSH-ON HOSE BARBS  32R	POLY TUBING BARBS  33R	GREASE FTGS  34R	BRAKE LINES  36R	AIR COCKS  37R - 38R	VALVES  39R - 44R

NUMBERING SYSTEM

<u>FITTINGS TUBE TO TUBE</u>	<u>FITTINGS TUBE TO PIPE</u>	<u>FITTINGS TUBE TO PIPE</u>	<u>FITTINGS TUBE TO PIPE</u>
A 1/8	A 1/8 X 1/8	DE 5/16 X 3/8	HJ 5/8 X 3/4
AA 5/32	AS 1/8 X 1/16	E 3/8 X 1/8	J 3/4 X 1/2
B 3/16	AA 5/32 X 1/8	EE 3/8 X 1/4	JJ 3/4 X 3/4
C 1/4	AAS 5/32 X 1/16	EEE 3/8 X 3/8	MF 7/8 X 1/2
D 5/16	B 3/16 X 1/8	EF 3/8 X 1/2	MJ 7/8 X 3/4
E 3/8	BB 3/16 X 1/4	EJ 3/8 X 3/4	MN 7/8 X 1"
F 1/2	C 1/4 X 1/8	FC 1/2 X 1/4	NF 1" X 1/2
G 7/16	CC 1/4 X 1/4	F 1/2 X 3/8	NJ 1" X 3/4
H 5/8	CE 1/4 X 3/8	FF 1/2 X 1/2	NN 1" X 1"
J 3/4	CF 1/4 X 1/2	FJ 1/2 X 3/4	
M 7/8	D 5/16 X 1/8	HE 5/8 X 3/8	
N 1"	DD 5/16 X 1/4	H 5/8 X 1/2	

NOTICE: ALL OF THE PRODUCTS SOLD BY COUPLINGS COMPANY, INC. ARE FOR PROFESSIONAL USE ONLY. BEFORE USING ANY PRODUCT IN THIS CATALOG, CUSTOMER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED PURPOSE. CONSULT PAGE 48R FOR TERMS & CONDITIONS.

BRASS PIPE FITTINGS (BAR STOCK)

109 - PLUG SQUARE HEAD



(SOLID)

CAT. NO.	MALE PIPE	OVERALL LENGTH
109A	1/8	.59
109C	1/4	.70
109E	3/8	.73
109F*	1/2	1.06
109J*	3/4	1.12
109N**	1"	1&3/16

* HOLLOW

** CAST HOLLOW

109X - PLUG HEX HEAD



HOLLOW

CAT. NO.	MALE PIPE	HEX	OVR LENG
109XA	1/8	7/16	.55
109XC	1/4	9/16	.68
109XE	3/8	11/16	.72
109XF	1/2	7/8	.75
109XJ	3/4	1&1/16	.94
109XN	1"	1&13/32	1.17
SOLID STYLE			
109SXA	1/8	7/16	.54
109SXC	1/4	9/16	.76
109SXE	3/8	11/16	.78
109SXF	1/2	7/8	.80

109W - PLUG SLOTTED HEAD



CAT. NO.	MALE PIPE	OVERALL LENGTH
109WA	1/8	.28
109WC	1/4	.42
109WE	3/8	.43

**LEAD FREE PIPE
FITTINGS
AVAILABLE ON
REQUEST**

109U - PLUG COUNTERSUNK



CAT. NO.	MALE PIPE	OVERALL LENGTH
109UA	1/8	.30
109UC	1/4	.46
109UE	3/8	.46
109UF	1/2	.55
109UJ	3/4	.62

110 - BUSHINGS HEX AND FACE



CAT. NO.	MALE PIPE	FEMALE PIPE	HEX	OVR LENG
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HEX

110C	1/4 X 1/8	9/16	.65
110E	3/8 X 1/8	11/16	.75
110EE	3/8 X 1/4	11/16	.68
110F	1/2 X 3/8	7/8	.80
110FA	1/2 X 1/8	7/8	.77
110FC	1/2 X 1/4	7/8	.79
110J	3/4 X 1/2	1&1/16	.90
110JA	3/4 X 1/8	1&1/16	.93
110JC	3/4 X 1/4	1&1/16	.93
110JE	3/4 X 3/8	1&1/16	.89
110NC	1" X 1/4	1&3/8	1.15
110NE	1" X 3/8	1&3/8	1.15
110NF	1" X 1/2	1&3/8	1.15
110NJ	1" X 3/4	1&3/8	1.10

ADDITIONAL SIZES
AVAILABLE ON REQUEST

FACE

FB110EE	3/8X1/4	.50
FB110F	1/2X3/8	.54
FB110J	3/4X1/2	.54

103 - COUPLING L103

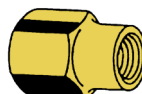


CAT. NO.	FEMALE PIPE	OVERALL HEX LENGTH
103A*	1/8	9/16 .73
L103A	1/8	1/2 .73
103C*	1/4	3/4 1.12
L103C	1/4	5/8 .88
103E*	3/8	7/8 1.12
L103E	3/8	13/16 1"
103F*	1/2	1&1/16 1.50
L103F	1/2	15/16 1.20
103J	3/4	1.25 1.20
103N**	1"	1.71

* HEAVY SAE STYLE

** CAST BRASS, ROUND (NO HEX)

119 - REDUCER COUPLING



CAT. NO.	FEM PIPE	FEM PIPE HEX	OVERALL LENGTH
119C	1/4 X 1/8	5/8	.88
119E	3/8 X 1/8	13/16	.94
119EE	3/8 X 1/4	13/16	.99
119F	1/2 X 3/8	15/16	1.17
119FA	1/2 X 1/8	15/16	1.20
119FC	1/2 X 1/4	15/16	1.20
119J	3/4 X 1/2	1.25	1.20
119JC*	3/4 X 1/4		1.35
119JE*	3/4 X 3/8		1.35
119NJ*	1" X 3/4		1.56

* CAST BRASS NO HEX

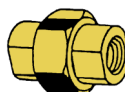
111 - LOCKNUT STRAIGHT PIPE THREAD (NPSL)



CAT. NO.	NPSL	HEX	THICK
111A	1/8	.69"	3/16
111C	1/4	.88"	1/4
111E	3/8	1.00"	5/16
111F	1/2	1.12"	1/4
111J	3/4	1.40"	5/16
111N*	1"	1.75"	7/16

*CAST BRASS

104 - UNION (3PC)



CAT. NO.	FEMALE PIPE	CTR HEX	OVRL LEN
104A	1/8	15/16	1.25
104C	1/4	13/16	1.54
104E*	3/8	1&1/2	1.60
104F	1/2	1&1/2	1.94
104J*	3/4	1&7/8	1.88
104N*	1"	2&5/16	2.11

* CAST BRASS

392 - BULKHEAD COUPLING BRASS



CAT. NO.	FEM. PIPE	OVER ALL LENGTH	STRT MALE THRD.
392A-1&1/2	1/8	1.50	5/8-18
392C-94	1/4	.94	3/4-16
392C-1&1/2	1/4	1.50	3/4-16
392E-1&5/16	3/8	1&5/16	1.0-14
392F-1&1/2	1/2	1.50	1&1/8-14

108 - PIPE CAP



CAT. NO.	FEMALE PIPE	OVER HEX LEN
108A	1/8	1/2 .50
108C	1/4	11/16 .60
108E	3/8	7/8 .68
108F	1/2	15/16 .69
108J	3/4	13/16 .96

112 - CLOSE NIPPLE (YELLOW BRASS)



CAT. NO.	MALE PIPE	OVERALL LENGTH
112A	1/8	0.75
112C	1/4	0.88
112E	3/8	1.00
112F	1/2	1.12
112J	3/4	1.38
112N	1"	1.50

LONG NIPPLES SOLD ON P. 4R

112X - HEX NIPPLE



CAT. NO.	MALE PIPE	OVERALL LENGTH
112XA	1/8	.97
112XC	1/4	1.12
112XC-80	1/4	1.38
112XE	3/8	1.25
112XE-80	3/8	1.41
112XF	1/2	1.50
112XF-80	1/2	1.81
112XJ	3/4	1.56
112XN	1"	2.315

112R - HEX NIPPLE REDUCING SIZES



CAT. NO.	MALE PIPE	MALE PIPE	OVER-ALL LENG.
112RCA	1/4 X 1/8		1.19
112REA	3/8 X 1/8		1.12
112REC	3/8 X 1/4		1.19
112RFC	1/2 X 1/4		1.34
112RFE	1/2 X 3/8		1.40
112RJF	3/4 X 1/2		1.50

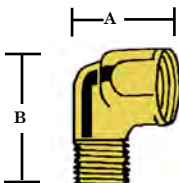
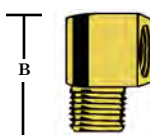
1R

PIPE SIZE	1/8	1/4	3/8	1/2	3/4	1"
THREAD PITCH	-27	-18	-18	-14	-14	-11&1/2

LARGER SIZES
AVAILABLE

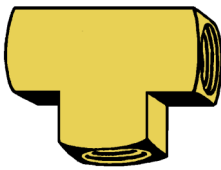
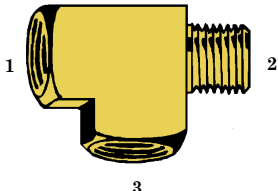
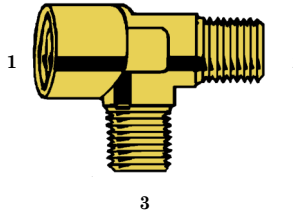
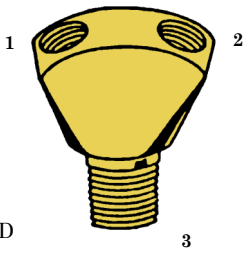
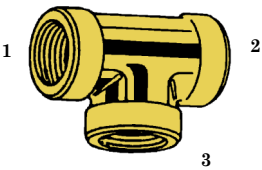
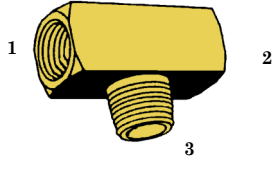
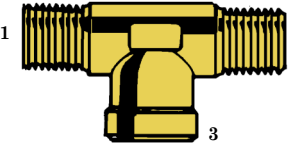
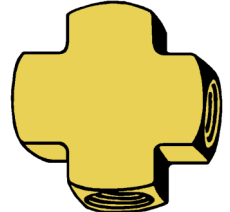
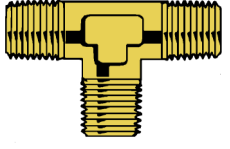
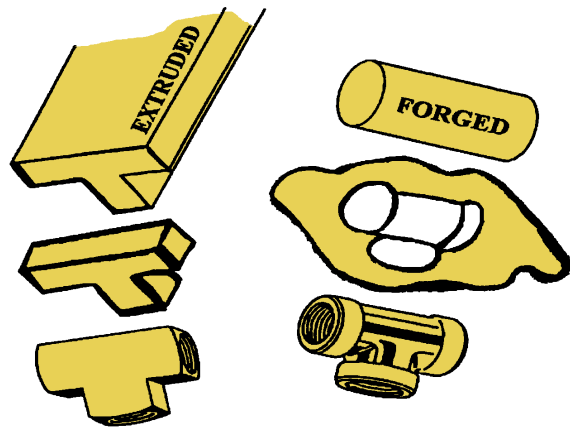
LEAD FREE
AVAILABLE

Continued: BRASS PIPE FITTINGS (BAR STOCK / FORGED)

100S - 90° ELBOW EXTRUDED  <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th></tr><tr><td>100SA</td><td>1/8</td></tr><tr><td>100SC</td><td>1/4</td></tr><tr><td>100SE</td><td>3/8</td></tr><tr><td>100SF</td><td>1/2</td></tr><tr><td>100SJ</td><td>3/4</td></tr></table>	CAT. NO.	FEMALE PIPE	100SA	1/8	100SC	1/4	100SE	3/8	100SF	1/2	100SJ	3/4	130 - 90° MALE ELBOW FORGED  <table><tr><th>CAT. NO.</th><th>MALE PIPE</th></tr><tr><td>130A</td><td>1/8</td></tr><tr><td>130C</td><td>1/4</td></tr><tr><td>130E</td><td>3/8</td></tr><tr><td>130F</td><td>1/2</td></tr></table> REDUCING SIZES FORGED <table><tr><td>130CA</td><td>1/4 X 1/8</td></tr><tr><td>130EC</td><td>3/8 X 1/4</td></tr><tr><td>130FE</td><td>1/2 X 3/8</td></tr></table>	CAT. NO.	MALE PIPE	130A	1/8	130C	1/4	130E	3/8	130F	1/2	130CA	1/4 X 1/8	130EC	3/8 X 1/4	130FE	1/2 X 3/8	116 - 90° STREET ELBOW FORGED  <table><tr><th>CAT. NO.</th><th>PIPE SIZE</th></tr><tr><td>116A</td><td>1/8 A .85 B 1.14</td></tr><tr><td>116C</td><td>1/4 A .70 B 1.24</td></tr><tr><td>116E</td><td>3/8 A 1.00 B 1.46</td></tr><tr><td>116F</td><td>1/2 A 1.34 B 1.96</td></tr><tr><td>116J</td><td>3/4 A 1.37 B 2.03</td></tr><tr><td>116J-39*</td><td>3/4 A 1.65 B 2.34</td></tr><tr><td>116N*</td><td>1" A 1.97 B 2.95</td></tr></table> * BRASS CASTING REDUCING SIZES <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>MALE PIPE</th></tr><tr><td>116RAC</td><td>1/8</td><td>1/4 A - .71 B - 1.22</td></tr><tr><td>116RCE</td><td>1/4</td><td>3/8 A - 1.27 B - 1.39</td></tr><tr><td>116REC</td><td>3/8</td><td>1/4 A - .84 B - 1.35</td></tr><tr><td>116REF</td><td>3/8</td><td>1/2 A - 1.16 B - 1.73</td></tr><tr><td>116RFE</td><td>1/2</td><td>3/8 A - 1.34 B - 1.88</td></tr></table>	CAT. NO.	PIPE SIZE	116A	1/8 A .85 B 1.14	116C	1/4 A .70 B 1.24	116E	3/8 A 1.00 B 1.46	116F	1/2 A 1.34 B 1.96	116J	3/4 A 1.37 B 2.03	116J-39*	3/4 A 1.65 B 2.34	116N*	1" A 1.97 B 2.95	CAT. NO.	FEMALE PIPE	MALE PIPE	116RAC	1/8	1/4 A - .71 B - 1.22	116RCE	1/4	3/8 A - 1.27 B - 1.39	116REC	3/8	1/4 A - .84 B - 1.35	116REF	3/8	1/2 A - 1.16 B - 1.73	116RFE	1/2	3/8 A - 1.34 B - 1.88	124S - 45° STREET ELBOW  EXTRUDED BRASS <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>MALE PIPE</th></tr><tr><td>124SA</td><td>1/8 X 1/8</td><td></td></tr><tr><td>124SC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>124SE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>124SF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>124SJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	FEMALE PIPE	MALE PIPE	124SA	1/8 X 1/8		124SC	1/4 X 1/4		124SE	3/8 X 3/8		124SF	1/2 X 1/2		124SJ	3/4 X 3/4														
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CAT. NO.	MALE PIPE																																																																																															
130A	1/8																																																																																															
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130E	3/8																																																																																															
130F	1/2																																																																																															
130CA	1/4 X 1/8																																																																																															
130EC	3/8 X 1/4																																																																																															
130FE	1/2 X 3/8																																																																																															
CAT. NO.	PIPE SIZE																																																																																															
116A	1/8 A .85 B 1.14																																																																																															
116C	1/4 A .70 B 1.24																																																																																															
116E	3/8 A 1.00 B 1.46																																																																																															
116F	1/2 A 1.34 B 1.96																																																																																															
116J	3/4 A 1.37 B 2.03																																																																																															
116J-39*	3/4 A 1.65 B 2.34																																																																																															
116N*	1" A 1.97 B 2.95																																																																																															
CAT. NO.	FEMALE PIPE	MALE PIPE																																																																																														
116RAC	1/8	1/4 A - .71 B - 1.22																																																																																														
116RCE	1/4	3/8 A - 1.27 B - 1.39																																																																																														
116REC	3/8	1/4 A - .84 B - 1.35																																																																																														
116REF	3/8	1/2 A - 1.16 B - 1.73																																																																																														
116RFE	1/2	3/8 A - 1.34 B - 1.88																																																																																														
CAT. NO.	FEMALE PIPE	MALE PIPE																																																																																														
124SA	1/8 X 1/8																																																																																															
124SC	1/4 X 1/4																																																																																															
124SE	3/8 X 3/8																																																																																															
124SF	1/2 X 1/2																																																																																															
124SJ	3/4 X 3/4																																																																																															
100 - 90° ELBOW FORGED  <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th></tr><tr><td>100A</td><td>1/8</td></tr><tr><td>100C</td><td>1/4</td></tr><tr><td>100E</td><td>3/8</td></tr><tr><td>100F</td><td>1/2</td></tr><tr><td>100F-39*</td><td>1/2</td></tr><tr><td>100J-39*</td><td>3/4</td></tr><tr><td>100J</td><td>3/4</td></tr><tr><td>100N*</td><td>1"</td></tr></table> * BRASS CASTING REDUCING SIZES - FORGED <table><tr><td>100CA</td><td>1/4X1/8</td></tr><tr><td>100EC</td><td>3/8 X 1/4</td></tr><tr><td>100FE</td><td>1/2 X 3/8</td></tr></table>	CAT. NO.	FEMALE PIPE	100A	1/8	100C	1/4	100E	3/8	100F	1/2	100F-39*	1/2	100J-39*	3/4	100J	3/4	100N*	1"	100CA	1/4X1/8	100EC	3/8 X 1/4	100FE	1/2 X 3/8	116S - STREET ELBOW 90°  <table><tr><th>CAT. NO.</th><th>PIPE / DIMEN- SIZE / SIONS</th></tr><tr><td>116SA-97</td><td>1/8 A-.55 B-.83</td></tr><tr><td>116SA-LONG</td><td>1/8 A-.69 B-.94</td></tr><tr><td>116SA-80</td><td>1/8 A-.72 B-.95</td></tr><tr><td>116SC-97</td><td>1/4 A-.73 B-1.12</td></tr><tr><td>116SC-LONG</td><td>1/4 A-.94 B-1.23</td></tr><tr><td>116SC-80</td><td>1/4 A-.73 B-1.25</td></tr><tr><td>116SE-30</td><td>3/8 A-.83 B-1.41</td></tr><tr><td>116SE-LONG</td><td>3/8 A-1.08 B-1.40</td></tr><tr><td>116SF</td><td>1/2 A-1.10 B-1.65</td></tr><tr><td>116SJ</td><td>3/4 A-1.58 B-2.06</td></tr></table> REDUCING SIZES FEM MALE <table><tr><td>116SRCA</td><td>1/4 X 1/8 A-.73 B - 1.05</td></tr></table> ADD. REDUCING SIZES SHOWN IN NEXT COLUMN	CAT. NO.	PIPE / DIMEN- SIZE / SIONS	116SA-97	1/8 A-.55 B-.83	116SA-LONG	1/8 A-.69 B-.94	116SA-80	1/8 A-.72 B-.95	116SC-97	1/4 A-.73 B-1.12	116SC-LONG	1/4 A-.94 B-1.23	116SC-80	1/4 A-.73 B-1.25	116SE-30	3/8 A-.83 B-1.41	116SE-LONG	3/8 A-1.08 B-1.40	116SF	1/2 A-1.10 B-1.65	116SJ	3/4 A-1.58 B-2.06	116SRCA	1/4 X 1/8 A-.73 B - 1.05	116L - 90° STREET ELBOW EXTRA LONG  <table><tr><th>CAT. NO.</th><th>FEM. & MALE PIPE (A)</th></tr><tr><td>116LA1</td><td>1/8 X 1&3/16*</td></tr><tr><td>116LA2</td><td>1/8 X 1&7/16*</td></tr><tr><td>116LA3</td><td>1/8 X 1&11/16*</td></tr><tr><td>116LA4</td><td>1/8 X 1&7/8*</td></tr><tr><td>116LC1</td><td>1/4 X 1&3/16*</td></tr><tr><td>116LC2</td><td>1/4 X 1&7/16*</td></tr><tr><td>116LC3</td><td>1/4 X 1&11/16*</td></tr><tr><td>116LC4</td><td>1/4 X 1&7/8*</td></tr><tr><td>116LC5</td><td>1/4 X 2&1/4*</td></tr><tr><td>116LE1</td><td>3/8 X 1&3/4*</td></tr><tr><td>116LE2</td><td>3/8 X 2&1/4*</td></tr></table> * "A" FROM CENTERLINE OF FEMALE END TO END OF MALE	CAT. NO.	FEM. & MALE PIPE (A)	116LA1	1/8 X 1&3/16*	116LA2	1/8 X 1&7/16*	116LA3	1/8 X 1&11/16*	116LA4	1/8 X 1&7/8*	116LC1	1/4 X 1&3/16*	116LC2	1/4 X 1&7/16*	116LC3	1/4 X 1&11/16*	116LC4	1/4 X 1&7/8*	116LC5	1/4 X 2&1/4*	116LE1	3/8 X 1&3/4*	116LE2	3/8 X 2&1/4*	124 - 45° STREET ELBOW  FORGED <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>MALE PIPE</th></tr><tr><td>124A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>124C</td><td>1/4 X 1/4</td><td></td></tr><tr><td>124E</td><td>3/8 X 3/8</td><td></td></tr><tr><td>124SF**</td><td>1/2 X 1/2</td><td></td></tr><tr><td>124J*</td><td>3/4 X 3/4</td><td></td></tr><tr><td>124N*</td><td>1" X 1"</td><td></td></tr></table> ** - BRASS EXTRUSION * - BRASS CASTING	CAT. NO.	FEMALE PIPE	MALE PIPE	124A	1/8 X 1/8		124C	1/4 X 1/4		124E	3/8 X 3/8		124SF**	1/2 X 1/2		124J*	3/4 X 3/4		124N*	1" X 1"	
CAT. NO.	FEMALE PIPE																																																																																															
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CAT. NO.	PIPE / DIMEN- SIZE / SIONS																																																																																															
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130S - 90° MALE ELBOW EXTRUDED  <table><tr><th>CAT. NO.</th><th>MALE PIPE</th></tr><tr><td>130SA</td><td>1/8</td></tr><tr><td>130SC</td><td>1/4</td></tr><tr><td>130SE</td><td>3/8</td></tr></table> LEAD FREE PIPE FITTINGS AVAIL ON REQUEST	CAT. NO.	MALE PIPE	130SA	1/8	130SC	1/4	130SE	3/8			129 - 45° FEMALE ELBOW BRASS CASTING  <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th></tr><tr><td>129A</td><td>1/8</td></tr><tr><td>129C</td><td>1/4</td></tr><tr><td>129E</td><td>3/8</td></tr><tr><td>129F</td><td>1/2</td></tr><tr><td>129J</td><td>3/4</td></tr><tr><td>129N</td><td>1"</td></tr></table>	CAT. NO.	FEMALE PIPE	129A	1/8	129C	1/4	129E	3/8	129F	1/2	129J	3/4	129N	1"																																																																							
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LEAD FREE AVAILABLE	PIPE SIZE THREAD PITCH	1/8 -27	1/4 -18	3/8 -18	1/2 -14	3/4 -14	1" -11&1/2
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Continued: BRASS PIPE FITTINGS (BAR STOCK / FORGED)

101S - TEE EXTRUDED  <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th></tr><tr><td>101SA</td><td>1/8</td></tr><tr><td>101SC</td><td>1/4</td></tr><tr><td>101SE</td><td>3/8</td></tr><tr><td>101SF</td><td>1/2</td></tr><tr><td>101SJ</td><td>3/4</td></tr></table>	CAT. NO.	FEMALE PIPE	101SA	1/8	101SC	1/4	101SE	3/8	101SF	1/2	101SJ	3/4	127 - RUN TEE FEMALE X MALE X FEMALE PIPE  <table><tr><th>CAT. NO.</th><th>1&3 FEMALE PIPE</th><th>2 MALE PIPE</th></tr><tr><td>127A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>127C</td><td>1/4 X 1/4</td><td></td></tr><tr><td>127E</td><td>3/8 X 3/8</td><td></td></tr><tr><td>127F</td><td>1/2 X 1/2</td><td></td></tr><tr><td>127J</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	1&3 FEMALE PIPE	2 MALE PIPE	127A	1/8 X 1/8		127C	1/4 X 1/4		127E	3/8 X 3/8		127F	1/2 X 1/2		127J	3/4 X 3/4		127Z - TEE FEMALE X MALE X MALE PIPE  FORGED <table><tr><th>CAT. NO.</th><th>1 FEM. PIPE</th><th>2&3 MALE PIPE</th></tr><tr><td>127ZA</td><td>1/8 X 1/8</td><td></td></tr><tr><td>127ZC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	1 FEM. PIPE	2&3 MALE PIPE	127ZA	1/8 X 1/8		127ZC	1/4 X 1/4		118MPT - Y  FORGED <table><tr><th>CAT. NO.</th><th>1&2 FEMALE PIPE</th><th>3 MALE PIPE</th></tr><tr><td>118MPT-C</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	1&2 FEMALE PIPE	3 MALE PIPE	118MPT-C	1/4 X 1/4																		
CAT. NO.	FEMALE PIPE																																																																
101SA	1/8																																																																
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101 - TEE FORGED BRASS  <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th></tr><tr><td>101A</td><td>1/8</td></tr><tr><td>101C</td><td>1/4</td></tr><tr><td>101E</td><td>3/8</td></tr><tr><td>101F-39*</td><td>1/2</td></tr><tr><td>101F</td><td>1/2</td></tr><tr><td>101J-39*</td><td>3/4</td></tr><tr><td>101J</td><td>3/4</td></tr><tr><td>101N*</td><td>1"</td></tr></table> * BRASS CASTING	CAT. NO.	FEMALE PIPE	101A	1/8	101C	1/4	101E	3/8	101F-39*	1/2	101F	1/2	101J-39*	3/4	101J	3/4	101N*	1"	127S - BRANCH TEE FEMALE X FEMALE X MALE PIPE EXTRUDED  <table><tr><th>CAT. NO.</th><th>1&2 FEMALE PIPE</th><th>3 MALE PIPE</th></tr><tr><td>127SA</td><td>1/8 X 1/8</td><td></td></tr><tr><td>127SC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>127SE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>127SF*</td><td>1/2 X 1/2</td><td></td></tr></table> * BRASS FORGING	CAT. NO.	1&2 FEMALE PIPE	3 MALE PIPE	127SA	1/8 X 1/8		127SC	1/4 X 1/4		127SE	3/8 X 3/8		127SF*	1/2 X 1/2		127V - TEE MALE X MALE X FEMALE PIPE  <table><tr><th>CAT. NO.</th><th>1&2 MALE PIPE</th><th>3 FEMALE PIPE</th></tr><tr><td>127VA</td><td>1/8 X 1/8</td><td></td></tr><tr><td>127VC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	1&2 MALE PIPE	3 FEMALE PIPE	127VA	1/8 X 1/8		127VC	1/4 X 1/4		102 - CROSS  <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th></tr><tr><td>102A⊕</td><td>1/8</td></tr><tr><td>102SC♦</td><td>1/4</td></tr><tr><td>102C⊕</td><td>1/4</td></tr><tr><td>102E⊕</td><td>3/8</td></tr><tr><td>102F-39*</td><td>1/2</td></tr><tr><td>102F⊕</td><td>1/2</td></tr><tr><td>102SF♦</td><td>1/2</td></tr><tr><td>102J♦</td><td>3/4</td></tr><tr><td>102N*</td><td>1"</td></tr></table> ⊕ BRASS FORGING ♦ BRASS EXTRUSION * BRASS CASTING	CAT. NO.	FEMALE PIPE	102A⊕	1/8	102SC♦	1/4	102C⊕	1/4	102E⊕	3/8	102F-39*	1/2	102F⊕	1/2	102SF♦	1/2	102J♦	3/4	102N*	1"
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REDUCING SIZES <table><tr><th></th><th>1</th><th>2</th><th>3</th></tr><tr><td>101AAC</td><td>1/8X1/8X1/4</td><td></td><td></td></tr><tr><td>101CCA</td><td>1/4X1/4X1/8</td><td></td><td></td></tr><tr><td>101CCE</td><td>1/4X1/4X3/8</td><td></td><td></td></tr><tr><td>101EEC</td><td>3/8X3/8X1/4</td><td></td><td></td></tr><tr><td>101FFC*</td><td>1/2X1/2X1/4</td><td></td><td></td></tr><tr><td>101FFE*</td><td>1/2X1/2X3/8</td><td></td><td></td></tr><tr><td>101JFF*</td><td>3/4X3/4X1/2</td><td></td><td></td></tr></table> * BRASS CASTING		1	2	3	101AAC	1/8X1/8X1/4			101CCA	1/4X1/4X1/8			101CCE	1/4X1/4X3/8			101EEC	3/8X3/8X1/4			101FFC*	1/2X1/2X1/4			101FFE*	1/2X1/2X3/8			101JFF*	3/4X3/4X1/2			127W - TEE MALE PIPE  FORGED <table><tr><th>CAT. NO.</th><th>MALE PIPE</th></tr><tr><td>127WA</td><td>1/8</td></tr><tr><td>127WC</td><td>1/4</td></tr><tr><td>127WE</td><td>3/8</td></tr><tr><td>127WF</td><td>1/2</td></tr></table>	CAT. NO.	MALE PIPE	127WA	1/8	127WC	1/4	127WE	3/8	127WF	1/2	LEAD FREE PIPE FITTINGS AVAIL ON REQUEST 																					
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ADDITIONAL SIZES AVAILABLE ON REQUEST																																																																	

BRASS PIPE NIPPLES

BRASS PIPE FITTINGS

117A - 1/8" PIPE NIPPLES (LONG)



CAT. NO.	OVERALL LENGTH
YELLOW BRASS	
117A1&1/2	1.5"
117A2	2"
117A2&1/2	2.5"
117A3	3"
117A3&1/2	3.5"
117A4	4"
RED BRASS - LEAD FREE	
117A4&1/2	4.5"
117A5	5"
117A5&1/2	5.5"
117A6	6"

117F - 1/2" PIPE NIPPLES (LONG)



CAT. NO.	OVERALL LENGTH
YELLOW BRASS	
117F1&1/2	1.5"
117F2	2"
117F2&1/2	2.5"
117F3	3"
RED BRASS - LEAD FREE	
117F3&1/2	3.5"
117F4	4"
117F4&1/2	4.5"
117F5	5"
117F5&1/2	5.5"
117F6	6"

117C - 1/4" PIPE NIPPLES (LONG)



CAT. NO.	OVERALL LENGTH
YELLOW BRASS	
117C1&1/2	1.5"
117C2	2"
117C2&1/2	2.5"
117C3	3"
117C3&1/2	3.5"
117C4	4"
RED BRASS - LEAD FREE	
117C4&1/2	4.5"
117C5	5"
117C5&1/2	5.5"
117C6	6"

117J - 3/4" PIPE NIPPLES (LONG)



CAT. NO.	OVERALL LENGTH
YELLOW BRASS	
117J1&1/2	1.5"
117J2	2"
117J2&1/2	2.5"
RED BRASS - LEAD FREE	
117J3	3"
117J3&1/2	3.5"
117J4	4"
117J4&1/2	4.5"
117J5	5"
117J5&1/2	5.5"
117J6	6"

117E - 3/8" PIPE NIPPLES (LONG)



CAT. NO.	OVERALL LENGTH
YELLOW BRASS	
117E1&1/2	1.5"
117E2	2"
117E2&1/2	2.5"
117E3	3"
RED BRASS - LEAD FREE	
117E3&1/2	3.5"
117E4	4"
117E4&1/2	4.5"
117E5	5"
117E5&1/2	5.5"
117E6	6"

117N - 1" PIPE NIPPLES (LONG)



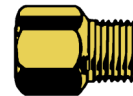
CAT. NO.	OVERALL LENGTH
YELLOW BRASS	
112N- 1.5" CLOSE	
RED BRASS - LEAD FREE	
117N2	2"
117N2&1/2	2.5"
117N3	3"
117N3&1/2	3.5"
117N4	4"
117N4&1/2	4.5"
117N5	5"
117N5&1/2	5.5"
117N6	6"

112 - CLOSE NIPPLE (YELLOW BRASS)



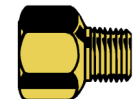
CAT. NO.	MALE PIPE	OVERALL LENGTH
112A	1/8	.75
112C	1/4	.88
112E	3/8	1.00
112F	1/2	1.12
112J	3/4	1.38
112N	1"	1.50

120 - EXTENSION ADAPTER



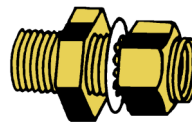
CAT. NO.	FEMALE PIPE	MALE PIPE	OVER ALL HEX LENG
120A	1/8 X 1/8	1/2	.83
120C	1/4 X 1/4	5/8	1"
120E	3/8 X 3/8	13/16	1.13
120F	1/2 X 1/2	15/16	1.30
120J	3/4 X 3/4	3/8	1.69

120R - ADAPTER REDUCING



CAT. NO.	FEMALE PIPE	MALE PIPE	OVER ALL HEX LENG
120RCA	1/4 X 1/8	5/8	.88
120REA	3/8 X 1/8	7/8	1.07
120REC	3/8 X 1/4	13/16	1.25
120RFC	1/2 X 1/4	15/16	1.21
120RFE	1/2 X 3/8	15/16	1.21
120RJE	3/4 X 3/8	1.375	1.50
120RJF	3/4 X 1/2	1.25	1.20

BULKHEAD COUPLINGS



SEE PAGE 19R

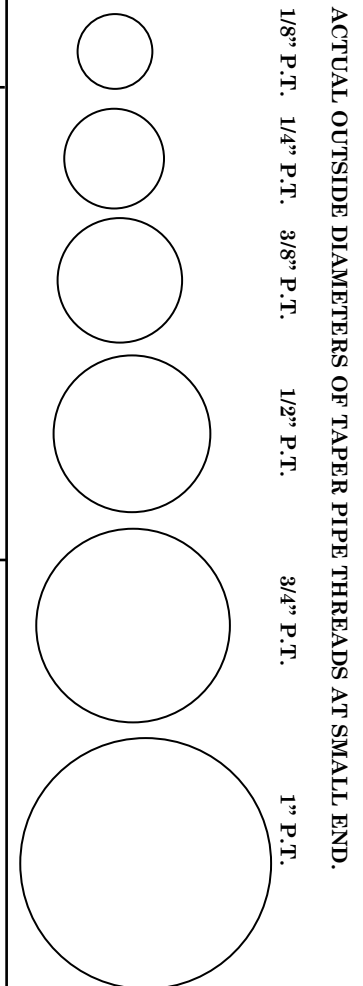
120L - ADAPTER EXTENSION

EXTRA LONG

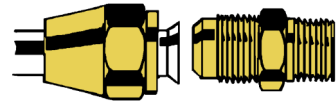


CAT. NO.	FEMALE/ MALE PIPE	OVERALL LENGTH (A)
120LA1	1/8	1.250"
120LA2	1/8	1.750"
120LC1	1/4	1.563"
120LC2	1/4	1.813"
120LC3	1/4	2.063"
120LC4	1/4	2.500"

ADDITIONAL SIZES & STAINLESS NIPPLES ARE AVAILABLE ON REQUEST

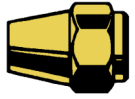


FLARED BRASS FITTINGS (45° FLARE)



41 - NUT ROD L41 SHORT

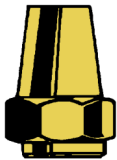
SAE
STYLE



CAT NO.	TUBE O.D.	HEX	OVER- ALL LENG
41A	1/8	3/8	.50
41B	3/16	7/16	.62
41C	1/4	9/16	.75
41D	5/16	5/8	.87
L41E*	3/8	3/4	.88
41E	3/8	3/4	1"
L41F*	1/2	7/8	1"
41F	1/2	7/8	1.12
L41H*	5/8	1"	1.09
41H	5/8	1&1/16	1.31
41J	3/4	1&1/4	1.50
41M	7/8	1&3/8	1.15

*ECONOMY STYLE

141 - NUT, ROD LONG



CAT NO.	TUBE O.D.	HEX	OVER- ALL LENG
141A	1/8	3/8	.75
141B	3/16	7/16	.81
141C	1/4	9/16	.94
141D	5/16	5/8	1.12
141E	3/8	3/4	1.32
141F	1/2	7/8	1.62
141H	5/8	1&1/16	1.90

N4 - NUT, FORGED LONG



CAT NO.	TUBE O.D.	HEX	OVER- ALL LENG
N4C	1/4	5/8	.94
N4E	3/8	13/16	1.04
N4F	1/2	15/16	1.15
N4H	5/8	1&1/16	1.44
N4J	3/4	1&1/4	2.19

**LEAD FREE FLARE
AVAILABLE ON
REQUEST**

NS4 - NUT, FORGED SHORT

SAE
STYLE



CAT NO.	TUBE O.D.	HEX	OVER- ALL LENG
NS4B	3/16	1/2	.57
NS4C	1/4	5/8	.61
NS4D	5/16	11/16	.66
NS4E	3/8	13/16	.70
NS4F	1/2	15/16	.82
NS4H	5/8	1&1/16	.95
NS4J	3/4	1&5/16	1.17
NS4M	7/8	1&5/8	1.18

REDUCING SIZES

CAT. NO.	FIT- TING	TUBE O.D.	HEX	OVR LENG
NS4EC	3/8 X 1/4	13/16	.75	
NS4FE	1/2 X 3/8	15/16	.82	
NS4HF	5/8 X 1/2	1&1/16	.99	
NS4JH	3/4 X 5/8	1&3/8	1.15	

N5 - CAP, FLARE N7



CAT NO.	TUBE O.D.	HEX	OVER ALL LENG
N5B	3/16	1/2	.50
N5C	1/4	1/2	.50
N7-4*	1/4	9/16	.53
N5D	5/16	5/8	.53
N5E	3/8	5/8	.58
N5F	1/2	13/16	.68
N5H	5/8	15/16	.80
N5J	3/4	1&5/16	.96

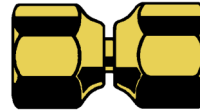
* EXTRA HEAVY
USE #B2 GASKET

P2 - PLUG



CAT. NO.	TUBE O.D.
P2C	1/4
P2D	5/16
P2E	3/8
P2F	1/2
P2H	5/8

US4 - SWIVEL FORGED NUTS



CAT. NO.	TUBE O.D.
US4C	1/4
US4D	5/16
US4E	3/8
US4F	1/2
US4H	5/8
US4J	3/4

REDUCING SIZES

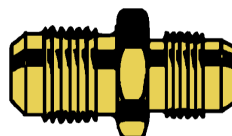
CAT. NO.	TUBE O.D.	TUBE O.D.
US4EC	3/8 X 1/4	
US4FE	1/2 X 3/8	
US4HF	5/8 X 1/2	

42 - UNION



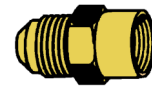
CAT. NO.	TUBE O.D.
42A	1/8
42B	3/16
42C	1/4
42D	5/16
42E	3/8
42F	1/2
42H	5/8
42J	3/4
42M	7/8

G42 - UNION REDUCING SIZES



CAT. NO.	TUBE O.D.	TUBE O.D.
G42EC	3/8 X 1/4	
G42FC	1/2 X 1/4	
G42FE	1/2 X 3/8	
G42HE	5/8 X 3/8	

46 - FEMALE CONNECTOR



CAT. NO.	TUBE O.D.	FEM. PIPE
46A	1/8 X 1/8	
46B	3/16 X 1/8	
46C	1/4 X 1/8	
46CC	1/4 X 1/4	
46CE	1/4 X 3/8	
46CF	1/4 X 1/2	
46D	5/16 X 1/8	
46DD	5/16 X 1/4	
46E	3/8 X 1/8	
46EE	3/8 X 1/4	
46EEE	3/8 X 3/8	
46EF	3/8 X 1/2	
46EJ	3/8 X 3/4	
46F	1/2 X 3/8	
46FC	1/2 X 1/4	
46FF	1/2 X 1/2	
46FJ	1/2 X 3/4	
46H	5/8 X 1/2	
46HJ	5/8 X 3/4	
46JJ	3/4 X 3/4	
46MJ	7/8 X 3/4	

48 - MALE CONNECTOR



CAT. NO.	TUBE O.D.	MALE PIPE
48A	1/8 X 1/8	
48B	3/16 X 1/8	
48C	1/4 X 1/8	
48CC	1/4 X 1/4	
48CE	1/4 X 3/8	
48CF	1/4 X 1/2	
48D	5/16 X 1/8	
48DD	5/16 X 1/4	
48DE	5/16 X 3/8	
48E	3/8 X 1/8	
48EE	3/8 X 1/4	
48EEE	3/8 X 3/8	
48EF	3/8 X 1/2	
48EJ	3/8 X 3/4	
48F	1/2 X 3/8	
48FC	1/2 X 1/4	
48FF	1/2 X 1/2	
48FJ	1/2 X 3/4	
48H	5/8 X 1/2	
48HE	5/8 X 3/8	
48HJ	5/8 X 3/4	
48J	3/4 X 1/2	
48JJ	3/4 X 3/4	
48MF	7/8 X 1/2	
48MJ	7/8 X 3/4	

5R

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1"
THREAD SIZE	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-16	7/8-14	1&1/6-14	1&1/4-12	1&3/8-12

CONTINUED: FLARED BRASS FITTINGS (45° FLARE)

49 - MALE ELBOW



FORGED

CAT. NO.	TUBE O.D.	MALE PIPE
49A	1/8 X 1/8	
49B*	3/16 X 1/8	
49BB	3/16 X 1/4	
49C*	1/4 X 1/8	
49CC	1/4 X 1/4	
49CE	1/4 X 3/8	
49CF	1/4 X 1/2	
49D*	5/16 X 1/8	
49DD*	5/16 X 1/4	
49DE	5/16 X 3/8	
49DF	5/16 X 1/2	
49E	3/8 X 1/8	
49EE	3/8 X 1/4	
49EEE	3/8 X 3/8	
49EF	3/8 X 1/2	
49EJ	3/8 X 3/4	
49F	1/2 X 3/8	
49FC	1/2 X 1/4	
49FF	1/2 X 1/2	
49FJ	1/2 X 3/4	
49H	5/8 X 1/2	
49HC	5/8 X 1/4	
49HE	5/8 X 3/8	
49HJ	5/8 X 3/4	
49J	3/4 X 1/2	
49JE	3/4 X 3/8	
49JJ	3/4 X 3/4	
49JN	3/4 X 1"	
49MJ	7/8 X 3/4	
49MN	7/8 X 1"	
49NJ	1" X 3/4	

* BARSTOCK

56 - 45° MALE ELBOW



FORGED

CAT. NO.	TUBE O.D.	MALE PIPE
56B	3/16 X 1/8	
56C*	1/4 X 1/8	
56CC	1/4 X 1/4	
56CE	1/4 X 3/8	
56D	5/16 X 1/8	
56DD	5/16 X 1/4	
56EE	3/8 X 1/4	
56EEE	3/8 X 3/8	
56EF	3/8 X 1/2	
56F*	1/2 X 3/8	
56FF	1/2 X 1/2	
56H	5/8 X 1/2	
56J	3/4 X 1/2	
56JJ	3/4 X 3/4	

* BARSTOCK

50 - FEMALE ELBOW



FORGED

CAT. NO.	TUBE O.D.	FEM. PIPE
50B	3/16 X 1/8	
50C	1/4 X 1/8	
50CC	1/4 X 1/4	
50CE	1/4 X 3/8	
50CF	1/4 X 1/2	
50D	5/16 X 1/8	
50DD	5/16 X 1/4	
50E	3/8 X 1/8	
50EE	3/8 X 1/4	
54EEE	3/8 X 3/8	
54EF	3/8 X 1/2	
54EJ	3/8 X 3/4	
50F	1/2 X 3/8	
50FC	1/2 X 1/4	
54FF	1/2 X 1/2	
54FJ	1/2 X 3/4	
54H	5/8 X 1/2	
50HE	5/8 X 3/8	
54HJ	5/8 X 3/4	
50J	3/4 X 1/2	
50JJ	3/4 X 3/4	
50MJ	7/8 X 3/4	

54S - DROP-EAR FEMALE ELBOW



CAT. NO.	TUBE O.D.	FEM. PIPE
54SFF	1/2 X 1/2	

55 - UNION ELBOW



FORGED

CAT. NO.	TUBE O.D.
55A	1/8
55B	3/16
55C	1/4
55D	5/16
55E	3/8
55F	1/2
55H	5/8
55J	3/4
55M	7/8

E4 - ELBOW TUBE X FEMALE FLARE THREAD



NOTE: USE PROPER SIZE B2 GASKET ON FEMALE FLARE END

CAT. NO.	MALE FLARE	FEM. FLARE
E4C	1/4 X 1/4	
E4E	3/8 X 3/8	
E4F	1/2 X 1/2	

ES2 - ELBOW TUBE X SOLDER TUBE O.D.



CAT. NO.	TUBE O.D.	FLARE SOLDER TUBING O.D.
ES2CC	1/4 X 1/4	
ES2EEE	3/8 X 3/8	
ES2FE	1/2 X 3/8	
ES2FF	1/2 X 1/2	
ES2FH	1/2 X 5/8	

44 - TEE



FORGED

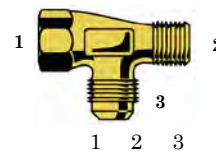
CAT. NO.	TUBE O.D.
44A	1/8
44B	3/16
44C*	1/4
44D	5/16
44E	3/8
44F	1/2
44H	5/8
44J	3/4
44M	7/8

* BARSTOCK

REDUCING SIZES AVAILABLE ON REQUEST

**LEAD FREE FLARE
AVAILABLE ON
REQUEST**

53 - TEE FEMALE PIPE X MALE PIPE X TUBE



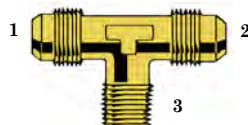
CAT. NO.	FEM. PIPE	MALE PIPE	TUBE O.D.
53C	1/8X1/8X1/4		
53CC	1/4X1/4X1/4		
53EE	1/4X1/4X3/8		

53V - TEE TUBE X MALE PIPE X FEMALE PIPE



CAT. NO.	TUBE O.D.	MALE PIPE	FEM. PIPE
53VECA	3/8X1/4X1/8		

45 - MALE BRANCH TEE



FORGED

CAT. NO.	TUBE O.D.	MALE PIPE
45A	1/8 X 1/8	
45B	3/16 X 1/8	
45C	1/4 X 1/8	
45CC	1/4 X 1/4	
45CE	1/4 X 3/8	
45CF	1/4 X 1/2	
45D	5/16 X 1/8	
45DD	5/16 X 1/4	
45E	3/8 X 1/8	
45EE	3/8 X 1/4	
45EEE	3/8 X 3/8	
45EF	3/8 X 1/2	
45EJ	3/8 X 3/4	
45F	1/2 X 3/8	
45FC	1/2 X 1/4	
45FF	1/2 X 1/2	
45FJ	1/2 X 3/4	
45H	5/8 X 1/2	
45HE	5/8 X 3/8	
45HJ	5/8 X 3/4	
45J	3/4 X 1/2	
45JJ	3/4 X 3/4	

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1"
THREAD SIZE	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-16	7/8-14	1&1/6-14	1&1/4-12	1&3/8-12

CONTINUED: FLARED BRASS FITTINGS (45° FLARE)

T6 - TEE TUBE X TUBE X FEMALE FLARE



NOTE: USE PROPER SIZE #B2
GASKET ON FEM. FLARE END

CAT.	MALE	FEM.
NO.	FLARE	FLARE
T6C	1/4 X 1/4	

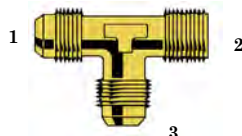
C1 - CROSS



ALL ENDS TUBE

CAT.	
NO.	TUBE O.D.
C1C	1/4
C1E	3/8
C1F	1/2
C1H	5/8

51 - MALE RUN TEE



FORGED

CAT.	1&3 TUBE O.D.	2 MALE PIPE
51B	3/16 X 1/8	
51C	1/4 X 1/8	
51CC	1/4 X 1/4	
51D	5/16 X 1/8	
51E	3/8 X 1/8	
51EE	3/8 X 1/4	
51EEE	3/8 X 3/8	
51EF	3/8 X 1/2	
51F	1/2 X 3/8	
51FF	1/2 X 1/2	
51H	5/8 X 1/2	
51HE	5/8 X 3/8	
51J	3/4 X 1/2	

**LEAD FREE FLARE
AVAILABLE ON
REQUEST**

45S - FEMALE BRANCH TEE



CAT.	1&2 TUBE O.D.	3 FEM. PIPE
NO.		
45SC	1/4 X 1/8	
45SCC	1/4 X 1/4	
45SE	3/8 X 1/8	
45SEE	3/8 X 1/4	
45SEEE	3/8 X 3/8	

UR3 - REDUCER FEMALE FLARE X MALE FLARE



NOTE: USE PROPER SIZE #B2
GASKET ON FEM FLARE END

CAT.	FEM. FLARE	MALE FLARE
NO.		
UR3CE	1/4 X 3/8	
UR3DC	5/16 X 1/4	
UR3EC	3/8 X 1/4	
UR3EF	3/8 X 1/2	
UR3FC	1/2 X 1/4	
UR3FE	1/2 X 3/8	
UR3FH	1/2 X 5/8	

B1 - BONNET 45° FLARE COPPER



BLOCKS FLOW

CAT.	TUBE O.D.
NO.	
B1C	1/4
B1D	5/16
B1E	3/8
B1F	1/2
B1H	5/8

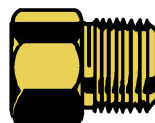
53W - TEE MALE PIPE X MALE PIPE X TUBE



CAT.	MALE PIPE	MALE PIPE	TUBE O.D.
NO.			
53WCCC	1/4X1/4X1/4		
53WCCE	1/4X1/4X3/8		
53WEEE	3/8X3/8X3/8		

47 - CONVERSION

FEMALE FLARE X
MALE PIPE



NOTE: USE PROPER SIZE #B2
GASKET ON FEM. FLARE END

CAT.	FLARE	MALE PIPE
NO.	O.D.	
47C	1/4 X 1/8	
47CC	1/4 X 1/4	
47EE	3/8 X 1/4	
47F	1/2 X 3/8	
47FF	1/2 X 1/2	

B2 - GASKET 45° FLARE COPPER



CAT.	TUBE O.D.
NO.	
B2C	1/4
B2D	5/16
B2E	3/8
B2F	1/2
B2H	5/8
B2J	3/4

U4 - CONNECTOR FEMALE FLARE BOTH ENDS



NOTE: USE PROPER SIZE #B2
GASKET ON FEM. FLARE ENDS

CAT.	FLARE	FLARE
NO.	O.D.	O.D.
U4C	1/4 X 1/4	
U4E	3/8 X 3/8	
U4F	1/2 X 1/2	

US3 - SOLDER CONNECTOR FLARE TUBE X SOLDER TUBE



CAT.	FLARE TUBE O.D.	SOLDER TUBING O.D.
NO.		
US3CC	1/4 X 1/4	
US3CE	1/4 X 3/8	
US3EE	3/8 X 1/4	
US3EEE	3/8 X 3/8	
US3EF	3/8 X 1/2	
US3FF	1/2 X 1/2	
US3JJ	3/4 X 3/4	

ES4 - ELBOW TUBE X SWIVEL FORGED FLARE NUT



CAT.	MALE FLARE NUT
NO.	O.D. FEM. O.D.
ES4CC	1/4 X 1/4
ES4EEE	3/8 X 3/8
ES4FF	1/2 X 1/2
ES4HH	5/8 X 5/8

6846 - CONVERSION 1/4 FEMALE FLARE X 1/4 MALE COMPRESSION SUPPLIED WITH COPPER GASKET



CAT.	FEMALE FLARE	MALE COMP.
NO.		
6846C	1/4 X 1/4	

**INVERTED FLARE
STARTS ON PAGE 26R**

STANDARD



COMPRESSION BRASS FITTINGS

STAstrate

**60 - SLEEVE BRASS**

STANDARD

SAE		
		A
CAT. NO.	TUBE O.D.	A
60A	1/8	.184
60B	3/16	.221
60C	1/4	.250
60D	5/16	.250
60E	3/8	.250
L60F*	1/2	.307
60F	1/2	.38
60G	7/16	.313
L60H*	5/8	.317
60H	5/8	.380
60J	3/4	.408
60M	7/8	.375

* ECONOMY STYLE

860 - SLEEVESTAstrate BRASS FOR
METAL OR PLASTIC TUBING
MUST BE USEDWITH #861 BELOW
FITTINGS ON PAGE 12R

CAT. NO.	TUBE O.D.
860A	1/8
860B	3/16
860C	1/4
860D	5/16
860E	3/8
860F	1/2
860H	5/8

861 - NUT STAstrateBRASS FOR
METAL OR PLASTIC
TUBING USE WITH #860
SHOWN ABOVE

CAT. NO.	TUBE O.D.
861A	1/8
861B	3/16
861C	1/4
861D	5/16
861E	3/8
861F	1/2
861H	5/8

461 - INSERT BRASS

TUBE SUPPORT

CAT. NO.	TUBING O.D.	INSERT O.D.
461A-80	1/8"	.080
461A-0*	1/8"	.073
461BS	3/16"	.135
461B-80	3/16"	.095
461B-0	3/16"	.110
461C**	1/4"	.163
461D	5/16"	.187
461DS*	5/16"	.232
461E**	3/8"	.250
461F**	1/2"	.370
461H	5/8"	.470
TH461H*	5/8"	.434

* USE WITH A/B TUBING

**USE WITH A/B & POLY TUBING

61 - NUT STANDARD

SAE		
		HEX
CAT. NO.	TUBE O.D.	HEX
61A	1/8	.375
61B	3/16	.4375
61C	1/4	.50
61D	5/16	.557
61E	3/8	.620
L61F*	1/2	.750
61F	1/2	.810
61G	7/16	.688
L61H*	5/8	.900
61H	5/8	.9375
61J	3/4	1.123
61M	7/8	1.243

*ECONOMY STYLE

NUT CHROME PLATED

CL61E	3/8
CL61F	1/2
CL61H	5/8

CS61 -CAPTIVE BRASS**SLEEVE & NUT**HEAVY
DUTY

CAT. NO.	TUBE O.D.
CS61-A	1/8
CS61-B	3/16
CS61-C	1/4
CS61-D	5/16
CS61-E	3/8
CS61-F	1/2
CS61-H	5/8
CS61-J	3/4
CS61-M	7/8

FITTINGS ON PAGE 11R

COMPRESSION**CAP**

CAT. NO.	TUBE O.D.
61C-CAP	1/4
61E-CAP	3/8
61F-CAP	1/2
61H-CAP	5/8

161 - NUT LONG

CAT. NO.	TUBE O.D.	OVERALL LENGTH
161A	1/8	1/2
161B	3/16	5/8
161C	1/4	3/4
161D	5/16	7/8
161E	3/8	15/16
161F	1/2	1&1/16

62 - UNION

CAT. NO.	TUBE O.D.
62A	1/8
62B	3/16
62C	1/4
62D	5/16
62E	3/8
L62F*	1/2
62F	1/2
62G	7/16
L62H*	5/8
62H	5/8
62J	3/4
62M	7/8

*ECONOMY STYLE

REDUCING

CAT. NO.	TUBE O.D.	TUBE O.D.
62RCA	1/4 X 1/8	
62RCB	1/4 X 3/16	
62RDC	5/16 X 1/4	
62REC	3/8 X 1/4	
62RED	3/8 X 5/16	
L62RFE	1/2 X 3/8	
L62RHE	5/8 X 3/8	
L62RHF	5/8 X 1/2	

62L - BULKHEAD

UNION TUBE X TUBE

CAT. NO.	TUBE O.D.
62LC	1/4
62LE	3/8

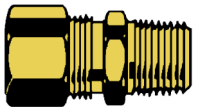
460 - SLEEVEPLASTIC FOR
POLYETHYLENE
TUBING

CAT. NO.	POLY TUBE O.D.
460C	1/4
460D	5/16
460E	3/8
460F	1/2
460H	5/8

SEE PAGE 13R FOR FITTINGS

ASSEMBLED WITH #460 SLEEVE

**68- MALE
75 CONNECTOR**

SAE		
		
CAT. NO.	TUBE O.D.	MALE PIPE
68A	1/8 X 1/8	
68B	3/16 X 1/8	
68BB	3/16 X 1/4	
68C	1/4 X 1/8	
68CC	1/4 X 1/4	
68CE	1/4 X 3/8	
68CF	1/4 X 1/2	
68D	5/16 X 1/8	
68DD	5/16 X 1/4	
68DE	5/16 X 3/8	
68DF	5/16 X 1/2	
68E	3/8 X 1/8	
68EE	3/8 X 1/4	
68EEE	3/8 X 3/8	
68EF*	3/8 X 1/2	
75EF**	3/8 X 1/2	
68EJ	3/8 X 3/4	
L68F*	1/2 X 3/8	
68F	1/2 X 3/8	
68FC	1/2 X 1/4	
L68FF*	1/2 X 1/2	
68FF	1/2 X 1/2	
75FF**	1/2 X 1/2	
L68FJ*	1/2 X 3/4	
68FJ	1/2 X 3/4	
68G	7/16 X 1/4	
68GE	7/16 X 3/8	
L68H*	5/8 X 1/2	
68H	5/8 X 1/2	
75H**	5/8 X 1/2	
L68HE*	5/8 X 3/8	
75HJ	5/8 X 3/4	
68HJ*	5/8 X 3/4	
68J	3/4 X 1/2	
68JJ	3/4 X 3/4	
68MF	7/8 X 1/2	
68MJ	7/8 X 3/4	
68MN	7/8 X 1"	
CS68NN	1" X 1"	

* ECONOMY STYLE

** SLIP-THRU TANK STYLE

**60PL - PLUG
COMPRESSION**

CAT. NO.	TUBE O.D.
60PL-C	1/4
60PL-E	3/8
60PL-F	1/2
60PL-H	5/8

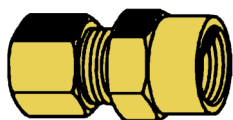
USE IN PLACE OF SLEEVE

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"
THREAD SIZE	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1&1/8-18	1&1/4-18



CONTINUED: COMPRESSION BRASS FITTINGS

66 - FEMALE 77 CONNECTOR



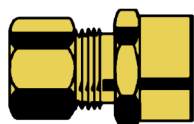
CAT. NO.	TUBE O.D.	FEM. PIPE
66A	1/8 X 1/8	
66B	3/16 X 1/8	
66BB	3/16 X 1/4	
66C	1/4 X 1/8	
66CC	1/4 X 1/4	
66CE	1/4 X 3/8	
66CF	1/4 X 1/2	
66D	5/16 X 1/8	
66DD	5/16 X 1/4	
66DE	5/16 X 3/8	
66E	3/8 X 1/8	
66EE	3/8 X 1/4	
77EEE**	3/8 X 3/8	
77EF**	3/8 X 1/2	
66EJ	3/8 X 3/4	
77F**	1/2 X 3/8	
66FC	1/2 X 1/4	
77FF**	1/2 X 1/2	
66FJ	1/2 X 3/4	
77H**	5/8 X 1/2	
66HE	5/8 X 3/8	
L66HJ*	5/8 X 3/4	
66J	3/4 X 1/2	
66JJ	3/4 X 3/4	
66MF	7/8 X 1/2	
66MJ	7/8 X 3/4	

* ECONOMY STYLE
** SLIP-THRU TANK STYLE

**LEAD FREE
COMPRESSION
AVAILABLE ON
REQUEST**

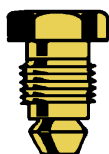
77S - SOLDER CONNECTOR

TUBE X SOLDER END
TANK TYPE



COMP SOLDER		
CAT	TUBE	TUBING
NO.	O.D.	O.D.
77SEH	3/8 X 5/8	
FLEX SUPPLY "SLIP-THRU"		

81L - PILOT LINE CONTROL NUT FOR THERMOSTATS BREAKAWAY SLEEVE



CAT. NO.	TUBE O.D.
81LC	1/4

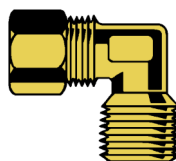
67 - PLUG

BLOCKS END OF TUBING



CAT. NO.	TUBE O.D.
67C	1/4
FASTEN TO TUBE. CONSISTS OF COMPRESSION NUT & SLEEVE WITH PLUG.	

69 - MALE ELBOW

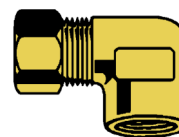


FORGED

CAT. NO.	TUBE O.D.	MALE PIPE
69A*	1/8 X 1/8	
69B*	3/16 X 1/8	
69BB	3/16 X 1/4	
69C*	1/4 X 1/8	
69CC*	1/4 X 1/4	
69CE	1/4 X 3/8	
69CF	1/4 X 1/2	
69D*	5/16 X 1/8	
69DD*	5/16 X 1/4	
69DE	5/16 X 3/8	
69DF	5/16 X 1/2	
69E	3/8 X 1/8	
69EE*	3/8 X 1/4	
69EEE	3/8 X 3/8	
69EF	3/8 X 1/2	
69EJ	3/8 X 3/4	
L69F**	1/2 X 3/8	
69F	1/2 X 3/8	
69FC	1/2 X 1/4	
L69FF**	1/2 X 1/2	
69FF	1/2 X 1/2	
69FJ	1/2 X 3/4	
69G	7/16 X 1/4	
69GE	7/16 X 3/8	
L69H**	5/8 X 1/2	
69H	5/8 X 1/2	
69HE	5/8 X 3/8	
69HJ	5/8 X 3/4	
69J	3/4 X 1/2	
69JJ	3/4 X 3/4	
69MF	7/8 X 1/2	
69MJ	7/8 X 3/4	

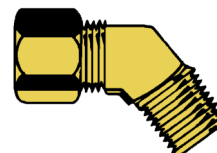
* BAR STOCK
** ECONOMY STYLE

70 - FEMALE ELBOW



CAT. NO.	TUBE O.D.	FEM. PIPE
70A	1/8 X 1/8	
70B	3/16 X 1/8	
70C	1/4 X 1/8	
70CC	1/4 X 1/4	
70CE	1/4 X 3/8	
70CF	1/4 X 1/2	
70D	5/16 X 1/8	
70DD	5/16 X 1/4	
70E	3/8 X 1/8	
70EE	3/8 X 1/4	
70EEE	3/8 X 3/8	
70EF	3/8 X 1/2	
70EJ	3/8 X 3/4	
70F	1/2 X 3/8	
70FC	1/2 X 1/4	
70FF	1/2 X 1/2	
70FJ	1/2 X 3/4	
70H	5/8 X 1/2	
70HE	5/8 X 3/8	
70HJ	5/8 X 3/4	
70J	3/4 X 1/2	
70JJ	3/4 X 3/4	

78 -45° MALE ELBOW

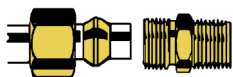


CAT. NO.	TUBE O.D.	MALE PIPE
78B	3/16 X 1/8	
78C	1/4 X 1/8	
78CC	1/4 X 1/4	
78D	5/16 X 1/8	
78DD	5/16 X 1/4	
78E	3/8 X 1/8	
78EE	3/8 X 1/4	
78EEE	3/8 X 3/8	
78F	1/2 X 3/8	
78FF	1/2 X 1/2	
78H	5/8 X 1/2	

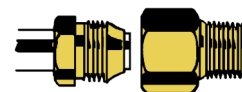
686 - CONVERSION WITH NYLON WASHER



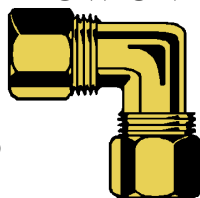
CAT. NO.	FEMALE COMPR.	MALE COMPR.
686EC	3/8 X 1/4	
686FE*	1/2 X 3/8	
*BODY ONLY CHROME PLATED		



COMPRESSION / DOUBLE COMPRESSION



65 - ELBOW UNION



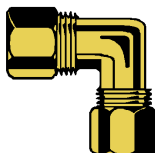
FORGED

CAT. NO.	TUBE O.D.
65A*	1/8
65B	3/16
65C*	1/4
65D*	5/16
65E*	3/8
L65F**	1/2
65F	1/2
L65H**	5/8
65H	5/8
65J	3/4
65M	7/8

* BAR STOCK

** ECONOMY STYLE

65R - REDUCING UNION ELBOW

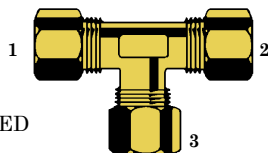


FORGED

REDUCING SIZES

CAT. NO.	TUBE O.D.	TUBE O.D.
65REC	3/8 X 1/4	
L65RFE	1/2 X 3/8	
L65RHE	5/8 X 3/8	
L65RHF	5/8 X 1/2	

64 - TEE



FORGED

CAT. NO.	TUBE O.D. ALL ENDS
64A	1/8
64B	3/16
64C*	1/4
64D	5/16
64E*	3/8
L64F**	1/2
64F	1/2
64G	7/16
L64H**	5/8
64H	5/8
64J	3/4
64M	7/8

* BAR STOCK

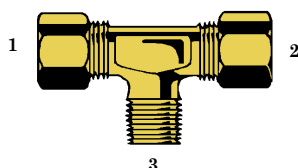
** ECONOMY STYLE

64 - TEE

CONTINUED: REDUCING SIZES

CAT. NO.	1 TUBE O.D.	2 TUBE O.D.	3 TUBE O.D.
64CCA	1/4 X 1/4 X 1/8		
64CCB	1/4 X 1/4 X 3/16		
64CCE	1/4 X 1/4 X 3/8		
64DDC	5/16 X 5/16 X 1/4		
64ECC	3/8 X 1/4 X 1/4		
64EEC	3/8 X 3/8 X 1/4		
64FFC	1/2 X 1/2 X 1/4		
64FFE	1/2 X 1/2 X 3/8		
64HHC	5/8 X 5/8 X 1/4		
64HHE	5/8 X 5/8 X 3/8		
64HHF	5/8 X 5/8 X 1/2		

72 - BRANCH TEE WITH MALE PIPE

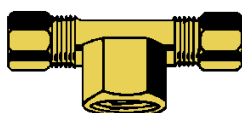


FORGED

CAT. NO.	1&2 TUBE O.D.	3 MALE PIPE
72A	1/8 X 1/8	
72B	3/16 X 1/8	
72C	1/4 X 1/8	
72CC	1/4 X 1/4	
72D	5/16 X 1/8	
72DD	5/16 X 1/4	
72E	3/8 X 1/8	
72EE	3/8 X 1/4	
72EEE	3/8 X 3/8	
72EF	3/8 X 1/2	
72FC	1/2 X 1/4	
72F	1/2 X 3/8	
72FF	1/2 X 1/2	
72H	5/8 X 1/2	
72J	3/4 X 1/2	
72JJ	3/4 X 3/4	

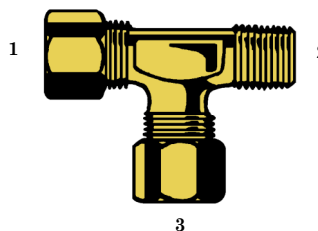
72S - TEE

ICE MAKER HUMIDIFIER TEE



CAT. NO.	TUBE O.D.	FEM. PIPE
72SC	1/4 X 1/8	
72SE	3/8 X 1/8	
72SEE	3/8 X 1/4	
72SEEE	3/8 X 3/8	
72SF	1/2 X 3/8	
72SFA	1/2 X 1/8	
72SHA	5/8 X 1/8	

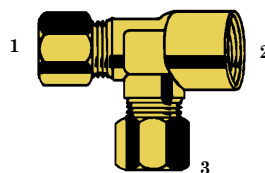
71 - MALE RUN TEE



CAT. NO.	1&3 TUBE O.D.	2 MALE PIPE
71A	1/8 X 1/8	
71B	3/16 X 1/8	
71C	1/4 X 1/8	
71CC	1/4 X 1/4	
71D	5/16 X 1/8	
71DD	5/16 X 1/4	
71E	3/8 X 1/8	
71EE	3/8 X 1/4	
71EEE	3/8 X 3/8	
71F	1/2 X 3/8	
71FF	1/2 X 1/2	
71H	5/8 X 1/2	
71J	3/4 X 1/2	
71JJ	3/4 X 3/4	

71S - TEE

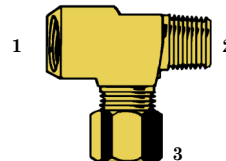
TUBE X FEMALE
PIPE X TUBE



CAT. NO.	1&3 TUBE O.D.	2 FEM. PIPE
71SC	1/4 X 1/8	
71SCC	1/4 X 1/4	

76 - TEE

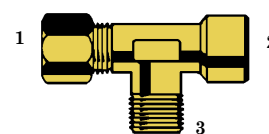
FEMALE X MALE X TUBE



CAT. NO.	FEM. PIPE	MALE PIPE	TUBE O.D.
76C	1/8 X 1/8 X 1/4		
76CC	1/4 X 1/4 X 1/4		

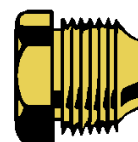
76T - TEE

TUBE X FEMALE & MALE PIPE



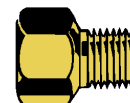
CAT. NO.	TUBE O.D.	FEM. PIPE	MALE PIPE
76TCAA	1/4 X 1/8 X 1/8		
76TCCC	1/4 X 1/4 X 1/4		

11 - DOUBLE COMPRESSION NUT



CAT. NO.	TUBE O.D.
11A	1/8
11B	3/16
11C	1/4

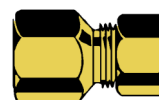
12 - DOUBLE COMPRESSION MALE CONNECTOR



CAT. NO.	TUBE O.D.	MALE PIPE
12A	1/8 X 1/8	
12B	3/16 X 1/8	
12BB	3/16 X 1/4	
12C	1/4 X 1/8	

6846 - CONVERSION

1/4 FEMALE FLARE X
1/4 MALE COMPRESSION
SUPPLIED WITH COPPER GASKET

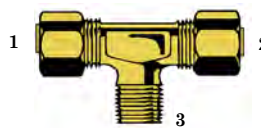
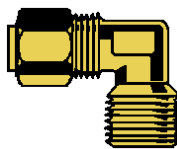
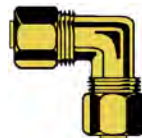
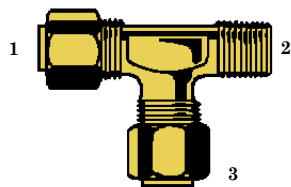
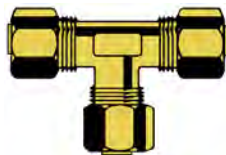


CAT. NO.	FEMALE FLARE	MALE COMP.
6846C	1/4 X 1/4	

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"
THREAD SIZE	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1&1/8-18	1&1/4-18

SURE SEAL "CAPTIVE SLEEVE" HEAVY DUTY BRASS FITTINGS

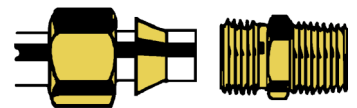
Used When Greater PSI Is Needed. Use With Copper Or Semi-Rigid Plastic Tubing. Brass Sleeve Is Attached To Nut Allowing For Faster, More Reliable Assembly Than With Standard Compression. Use #461 Insert With Plastic Tubing.

CS61 - CAPTIVE SLEEVE & NUT BRASS  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>CS61-A</td><td>1/8</td></tr><tr><td>CS61-B</td><td>3/16</td></tr><tr><td>CS61-C</td><td>1/4</td></tr><tr><td>CS61-D</td><td>5/16</td></tr><tr><td>CS61-E</td><td>3/8</td></tr><tr><td>CS61-F</td><td>1/2</td></tr><tr><td>CS61-H</td><td>5/8</td></tr><tr><td>CS61-J</td><td>3/4</td></tr><tr><td>CS61-M</td><td>7/8</td></tr></table>	CAT. NO.	TUBE O.D.	CS61-A	1/8	CS61-B	3/16	CS61-C	1/4	CS61-D	5/16	CS61-E	3/8	CS61-F	1/2	CS61-H	5/8	CS61-J	3/4	CS61-M	7/8	CS66 - FEMALE CONNECTOR CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>FEM. PIPE</th></tr><tr><td>CS66A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>CS66B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>CS66C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>CS66CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>CS66CE</td><td>1/4 X 3/8</td><td></td></tr><tr><td>CS66D</td><td>5/16 X 1/8</td><td></td></tr><tr><td>CS66DD</td><td>5/16 X 1/4</td><td></td></tr><tr><td>CS66E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>CS66EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>CS66EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>CS66EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>CS66EJ</td><td>3/8 X 3/4</td><td></td></tr><tr><td>CS66F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>CS66FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>CS66FJ</td><td>1/2 X 3/4</td><td></td></tr><tr><td>CS66H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>CS66HJ</td><td>5/8 X 3/4</td><td></td></tr><tr><td>CS66J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>CS66JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	FEM. PIPE	CS66A	1/8 X 1/8		CS66B	3/16 X 1/8		CS66C	1/4 X 1/8		CS66CC	1/4 X 1/4		CS66CE	1/4 X 3/8		CS66D	5/16 X 1/8		CS66DD	5/16 X 1/4		CS66E	3/8 X 1/8		CS66EE	3/8 X 1/4		CS66EEE	3/8 X 3/8		CS66EF	3/8 X 1/2		CS66EJ	3/8 X 3/4		CS66F	1/2 X 3/8		CS66FF	1/2 X 1/2		CS66FJ	1/2 X 3/4		CS66H	5/8 X 1/2		CS66HJ	5/8 X 3/4		CS66J	3/4 X 1/2		CS66JJ	3/4 X 3/4		CS70 - FEM. ELBOW CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>FEM. PIPE</th></tr><tr><td>CS70A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>CS70B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>CS70C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>CS70CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>CS70CE</td><td>1/4 X 3/8</td><td></td></tr><tr><td>CS70E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>CS70EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>CS70EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>CS70EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>CS70F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>CS70FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>CS70H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>CS70HJ</td><td>5/8 X 3/4</td><td></td></tr><tr><td>CS70J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>CS70JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	FEM. PIPE	CS70A	1/8 X 1/8		CS70B	3/16 X 1/8		CS70C	1/4 X 1/8		CS70CC	1/4 X 1/4		CS70CE	1/4 X 3/8		CS70E	3/8 X 1/8		CS70EE	3/8 X 1/4		CS70EEE	3/8 X 3/8		CS70EF	3/8 X 1/2		CS70F	1/2 X 3/8		CS70FF	1/2 X 1/2		CS70H	5/8 X 1/2		CS70HJ	5/8 X 3/4		CS70J	3/4 X 1/2		CS70JJ	3/4 X 3/4		CS72 - TEE WITH MALE PIPE CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>1&2 TUBE O.D.</th><th>3 MALE PIPE</th></tr><tr><td>CS72A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>CS72B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>CS72C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>CS72CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>CS72D</td><td>5/16 X 1/8</td><td></td></tr><tr><td>CS72DD</td><td>5/16 X 1/4</td><td></td></tr><tr><td>CS72E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>CS72EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>CS72EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>CS72EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>CS72F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>CS72FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>CS72H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>CS72J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>CS72JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	1&2 TUBE O.D.	3 MALE PIPE	CS72A	1/8 X 1/8		CS72B	3/16 X 1/8		CS72C	1/4 X 1/8		CS72CC	1/4 X 1/4		CS72D	5/16 X 1/8		CS72DD	5/16 X 1/4		CS72E	3/8 X 1/8		CS72EE	3/8 X 1/4		CS72EEE	3/8 X 3/8		CS72EF	3/8 X 1/2		CS72F	1/2 X 3/8		CS72FF	1/2 X 1/2		CS72H	5/8 X 1/2		CS72J	3/4 X 1/2		CS72JJ	3/4 X 3/4	
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CS62 - UNION CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>CS62A</td><td>1/8</td></tr><tr><td>CS62B</td><td>3/16</td></tr><tr><td>CS62C</td><td>1/4</td></tr><tr><td>CS62D</td><td>5/16</td></tr><tr><td>CS62E</td><td>3/8</td></tr><tr><td>CS62F</td><td>1/2</td></tr><tr><td>CS62H</td><td>5/8</td></tr><tr><td>CS62J</td><td>3/4</td></tr></table>	CAT. NO.	TUBE O.D.	CS62A	1/8	CS62B	3/16	CS62C	1/4	CS62D	5/16	CS62E	3/8	CS62F	1/2	CS62H	5/8	CS62J	3/4	CS69 - MALE ELBOW CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>MALE PIPE</th></tr><tr><td>CS69A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>CS69B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>CS69BB</td><td>3/16 X 1/4</td><td></td></tr><tr><td>CS69C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>CS69CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>CS69CE</td><td>1/4 X 3/8</td><td></td></tr><tr><td>CS69CF</td><td>1/4 X 1/2</td><td></td></tr><tr><td>CS69D</td><td>5/16 X 1/8</td><td></td></tr><tr><td>CS69DD</td><td>5/16 X 1/4</td><td></td></tr><tr><td>CS69DE</td><td>5/16 X 3/8</td><td></td></tr><tr><td>CS69E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>CS69EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>CS69EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>CS69EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>CS69EJ</td><td>3/8 X 3/4</td><td></td></tr><tr><td>CS69F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>CS69FC</td><td>1/2 X 1/4</td><td></td></tr><tr><td>CS69FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>CS69FJ</td><td>1/2 X 3/4</td><td></td></tr><tr><td>CS69H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>CS69HE</td><td>5/8 X 3/8</td><td></td></tr><tr><td>CS69HJ</td><td>5/8 X 3/4</td><td></td></tr><tr><td>CS69J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>CS69JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	CS69A	1/8 X 1/8		CS69B	3/16 X 1/8		CS69BB	3/16 X 1/4		CS69C	1/4 X 1/8		CS69CC	1/4 X 1/4		CS69CE	1/4 X 3/8		CS69CF	1/4 X 1/2		CS69D	5/16 X 1/8		CS69DD	5/16 X 1/4		CS69DE	5/16 X 3/8		CS69E	3/8 X 1/8		CS69EE	3/8 X 1/4		CS69EEE	3/8 X 3/8		CS69EF	3/8 X 1/2		CS69EJ	3/8 X 3/4		CS69F	1/2 X 3/8		CS69FC	1/2 X 1/4		CS69FF	1/2 X 1/2		CS69FJ	1/2 X 3/4		CS69H	5/8 X 1/2		CS69HE	5/8 X 3/8		CS69HJ	5/8 X 3/4		CS69J	3/4 X 1/2		CS69JJ	3/4 X 3/4		CS65 - ELBOW UNION CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>CS65A</td><td>1/8</td></tr><tr><td>CS65B</td><td>3/16</td></tr><tr><td>CS65C</td><td>1/4</td></tr><tr><td>CS65D</td><td>5/16</td></tr><tr><td>CS65E</td><td>3/8</td></tr><tr><td>CS65F</td><td>1/2</td></tr><tr><td>CS65H</td><td>5/8</td></tr><tr><td>CS65J</td><td>3/4</td></tr></table>	CAT. NO.	TUBE O.D.	CS65A	1/8	CS65B	3/16	CS65C	1/4	CS65D	5/16	CS65E	3/8	CS65F	1/2	CS65H	5/8	CS65J	3/4	CS71 - MALE RUN TEE CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>1&3 TUBE O.D.</th><th>2 MALE PIPE</th></tr><tr><td>CS71A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>CS71B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>CS71C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>CS71CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>CS71D</td><td>5/16 X 1/8</td><td></td></tr><tr><td>CS71DD</td><td>5/16 X 1/4</td><td></td></tr><tr><td>CS71E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>CS71EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>CS71EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>CS71F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>CS71FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>CS71H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>CS71J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>CS71JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	1&3 TUBE O.D.	2 MALE PIPE	CS71A	1/8 X 1/8		CS71B	3/16 X 1/8		CS71C	1/4 X 1/8		CS71CC	1/4 X 1/4		CS71D	5/16 X 1/8		CS71DD	5/16 X 1/4		CS71E	3/8 X 1/8		CS71EE	3/8 X 1/4		CS71EEE	3/8 X 3/8		CS71F	1/2 X 3/8		CS71FF	1/2 X 1/2		CS71H	5/8 X 1/2		CS71J	3/4 X 1/2		CS71JJ	3/4 X 3/4																					
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CS68 - MALE CONN. CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>MALE PIPE</th></tr><tr><td>CS68A</td><td>1/8 X 1/8</td><td></td></tr><tr><td>CS68B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>CS68BB</td><td>3/16 X 1/4</td><td></td></tr><tr><td>CS68C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>CS68CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>CS68CE</td><td>1/4 X 3/8</td><td></td></tr><tr><td>CS68CF</td><td>1/4 X 1/2</td><td></td></tr><tr><td>CS68D</td><td>5/16 X 1/8</td><td></td></tr><tr><td>CS68DD</td><td>5/16 X 1/4</td><td></td></tr><tr><td>CS68E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>CS68EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>CS68EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>CS68EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>CS68EJ</td><td>3/8 X 3/4</td><td></td></tr><tr><td>CS68F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>CS68FC</td><td>1/2 X 1/4</td><td></td></tr><tr><td>CS68FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>CS68FJ</td><td>1/2 X 3/4</td><td></td></tr><tr><td>CS68H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>CS68HE</td><td>5/8 X 3/8</td><td></td></tr><tr><td>CS68HJ</td><td>5/8 X 3/4</td><td></td></tr><tr><td>CS68J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>CS68JJ</td><td>3/4 X 3/4</td><td></td></tr><tr><td>CS68NN</td><td>1" X 1"</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	CS68A	1/8 X 1/8		CS68B	3/16 X 1/8		CS68BB	3/16 X 1/4		CS68C	1/4 X 1/8		CS68CC	1/4 X 1/4		CS68CE	1/4 X 3/8		CS68CF	1/4 X 1/2		CS68D	5/16 X 1/8		CS68DD	5/16 X 1/4		CS68E	3/8 X 1/8		CS68EE	3/8 X 1/4		CS68EEE	3/8 X 3/8		CS68EF	3/8 X 1/2		CS68EJ	3/8 X 3/4		CS68F	1/2 X 3/8		CS68FC	1/2 X 1/4		CS68FF	1/2 X 1/2		CS68FJ	1/2 X 3/4		CS68H	5/8 X 1/2		CS68HE	5/8 X 3/8		CS68HJ	5/8 X 3/4		CS68J	3/4 X 1/2		CS68JJ	3/4 X 3/4		CS68NN	1" X 1"		CS64 - TEE CAPTIVE SLEEVE  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>CS64A</td><td>1/8</td></tr><tr><td>CS64B</td><td>3/16</td></tr><tr><td>CS64C</td><td>1/4</td></tr><tr><td>CS64D</td><td>5/16</td></tr><tr><td>CS64E</td><td>3/8</td></tr><tr><td>CS64F</td><td>1/2</td></tr><tr><td>CS64H</td><td>5/8</td></tr><tr><td>CS64J</td><td>3/4</td></tr></table>	CAT. NO.	TUBE O.D.	CS64A	1/8	CS64B	3/16	CS64C	1/4	CS64D	5/16	CS64E	3/8	CS64F	1/2	CS64H	5/8	CS64J	3/4	LEAD FREE COMPRESSION AVAIL ON REQUEST NOTE: CS-NUT IS LEADED																																																																																				
CAT. NO.	TUBE O.D.	MALE PIPE																																																																																																																																																																																	
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CS64J	3/4																																																																																																																																																																																		

11R	TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"
	THREAD SIZE	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1&1/8-18	1&1/4-18

STAstrate COMPRESSION SLEEVE FITTINGS

Stastrate Brass Sleeves Are Designed Not To "Tilt" When Tightened Down.
Stastrate Assemblies Are Recommended For Use With Copper Or Plastic Tubing.
#461 Insert Required When Using Poly Tubing



860 - SLEEVE

STAstrate BRASS



CAT. NO.	TUBE O.D.
860A	1/8
860B	3/16
860C	1/4
860D	5/16
860E	3/8
860F	1/2
860H	5/8

861 - NUT

STAstrate BRASS



CAT. NO.	TUBE O.D.
861A	1/8
861B	3/16
861C	1/4
861D	5/16
861E	3/8
861F	1/2
861H	5/8

862 - UNION

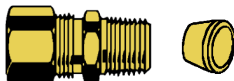
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.
862A	1/8
862B	3/16
862C	1/4
862D	5/16
862E	3/8
862F	1/2
862H	5/8

868 - MALE CONN.

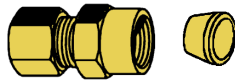
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.	MALE PIPE
868A	1/8 X 1/8	
868B	3/16 X 1/8	
868BB	3/16 X 1/4	
868C	1/4 X 1/8	
868CC	1/4 X 1/4	
868CE	1/4 X 3/8	
868CF	1/4 X 1/2	
868D	5/16 X 1/8	
868DD	5/16 X 1/4	
868E	3/8 X 1/8	
868EE	3/8 X 1/4	
868EEE	3/8 X 3/8	
868EF	3/8 X 1/2	
868EJ	3/8 X 3/4	
868F	1/2 X 3/8	
868FC	1/2 X 1/4	
868FF	1/2 X 1/2	
868FJ	1/2 X 3/4	
868H	5/8 X 1/2	
868HJ	5/8 X 3/4	

866 - FEMALE CONNECTOR

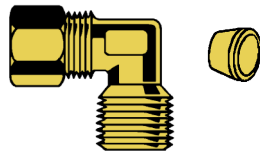
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.	FEM. PIPE
866A	1/8 X 1/8	
866B	3/16 X 1/8	
866BB	3/16 X 1/4	
866C	1/4 X 1/8	
866CC	1/4 X 1/4	
866CE	1/4 X 3/8	
866D	5/16 X 1/8	
866DD	5/16 X 1/4	
866E	3/8 X 1/8	
866EE	3/8 X 1/4	
866EEE	3/8 X 3/8	
866EF	3/8 X 1/2	
866FC	1/2 X 1/4	
866F	1/2 X 3/8	
866FF	1/2 X 1/2	
866FJ	1/2 X 3/4	
866H	5/8 X 1/2	
866HJ	5/8 X 3/4	

869 - MALE ELBOW

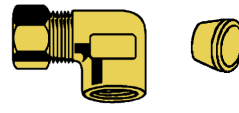
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.	MALE PIPE
869A	1/8 X 1/8	
869B	3/16 X 1/8	
869BB	3/16 X 1/4	
869C	1/4 X 1/8	
869CC	1/4 X 1/4	
869CE	1/4 X 3/8	
869D	5/16 X 1/8	
869DD	5/16 X 1/4	
869E	3/8 X 1/8	
869EE	3/8 X 1/4	
869EEE	3/8 X 3/8	
869EF	3/8 X 1/2	
869EJ	3/8 X 3/4	
869F	1/2 X 3/8	
869FC	1/2 X 1/4	
869FF	1/2 X 1/2	
869FJ	1/2 X 3/4	
869H	5/8 X 1/2	
869HJ	5/8 X 3/4	

870 - FEM. ELBOW

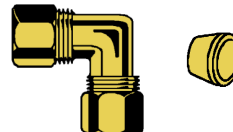
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.	FEM. PIPE
870A	1/8 X 1/8	
870B	3/16 X 1/8	
870C	1/4 X 1/8	
870CC	1/4 X 1/4	
870CE	1/4 X 3/8	
870D	5/16 X 1/8	
870DD	5/16 X 1/4	
870E	3/8 X 1/8	
870EE	3/8 X 1/4	
870EEE	3/8 X 3/8	
870EF	3/8 X 1/2	
870EJ	3/8 X 3/4	
870FC	1/2 X 1/4	
870F	1/2 X 3/8	
870FF	1/2 X 1/2	
870FJ	1/2 X 3/4	
870H	5/8 X 1/2	
870HJ	5/8 X 3/4	

865 - ELBOW UNION

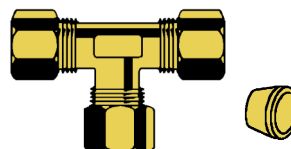
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.
865A	1/8
865B	3/16
865C	1/4
865D	5/16
865E	3/8
865F	1/2
865H	5/8

864 - TEE

STAstrate BRASS SLEEVE

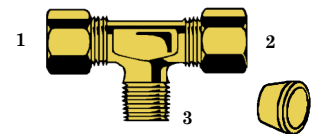


CAT. NO.	TUBE O.D.
864A	1/8
864B	3/16
864C	1/4
864D	5/16
864E	3/8
864F	1/2
864H	5/8

872 - TEE

WITH MALE PIPE

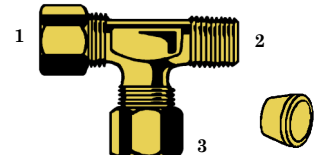
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.	MALE PIPE
872A	1/8 X 1/8	
872B	3/16 X 1/8	
872C	1/4 X 1/8	
872CC	1/4 X 1/4	
872E	3/8 X 1/8	
872EE	3/8 X 1/4	
872EEE	3/8 X 3/8	
872F	1/2 X 3/8	
872FF	1/2 X 1/2	
872H	5/8 X 1/2	

871 - MALE RUN TEE

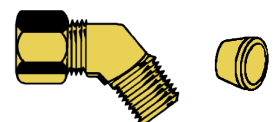
STAstrate BRASS SLEEVE



CAT. NO.	TUBE O.D.	MALE PIPE
871A	1/8 X 1/8	
871B	3/16 X 1/8	
871C	1/4 X 1/8	
871CC	1/4 X 1/4	
871D	5/16 X 1/8	
871DD	5/16 X 1/4	
871E	3/8 X 1/8	
871EE	3/8 X 1/4	
871EEE	3/8 X 3/8	
871F	1/2 X 3/8	
871FF	1/2 X 1/2	
871H	5/8 X 1/2	

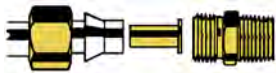
878 - 45° M. ELBOW

STAstrate BRASS SLEEVE



CAT. NO.	POLY TUBE O.D.	MALE PIPE
878C	1/4 X 1/8	
878CC	1/4 X 1/4	
878EE	3/8 X 1/4	
878EEE	3/8 X 3/8	
878F	1/2 X 3/8	
878FF	1/2 X 1/2	
878H	5/8 X 1/2	

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"
THREAD SIZE	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1&1/8-18	1&1/4-18



COMPRESSION BRASS FITTINGS FOR "POLYETHYLENE TUBING"

ASSEMBLED WITH LOOSE PLASTIC SLEEVE & LOOSE BRASS INSERT

460 - SLEEVE



PLASTIC FOR
POLYETHYLENE
TUBING

CAT. NO.	POLY TUBE O.D.
460C	1/4
460D	5/16
460E	3/8
460F	1/2
460H	5/8

461 - INSERT BRASS TUBE SUPPORT



CAT. NO.	TUBING O.D.	FITTING O.D.
461A-80	1/8"	.080
461A-0*	1/8"	.073
461BS	3/16"	.135
461B-80	3/16"	.095
461B-0	3/16"	.110
461C	1/4"	.163
461D	5/16"	.187
461DS*	5/16"	.232
461E	3/8"	.250
461F	1/2"	.370
461H	5/8"	.470
TH461H*	5/8"	.434
461J	3/4"	.559

* FOR A/B TUBING

462 - UNION



CAT. NO.	POLY TUBE O.D.
462C	1/4
462D	5/16
462E	3/8
462F	1/2
462H	5/8

468 - MALE CONNECTOR



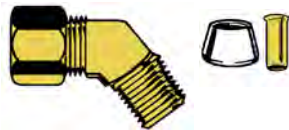
CAT. NO.	POLY TUBE O.D.	MALE PIPE
468C	1/4 X 1/8	
468CC	1/4 X 1/4	
468D	5/16 X 1/8	
468DD	5/16 X 1/4	
468E	3/8 X 1/8	
468EE	3/8 X 1/4	
468EEE	3/8 X 3/8	
468EF	3/8 X 1/2	
468EJ	3/8 X 3/4	
468F	1/2 X 3/8	
468FF	1/2 X 1/2	
468FJ	1/2 X 3/4	
468H	5/8 X 1/2	
468HJ	5/8 X 3/4	

466 - FEMALE CONNECTOR



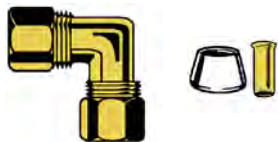
CAT. NO.	POLY TUBE O.D.	FEM. PIPE
466C	1/4 X 1/8	
466CC	1/4 X 1/4	
466CE	1/4 X 3/8	
466D	5/16 X 1/8	
466DD	5/16 X 1/4	
466E	3/8 X 1/8	
466EE	3/8 X 1/4	
466EEE	3/8 X 3/8	
466EF	3/8 X 1/2	
466EJ	3/8 X 3/4	
466F	1/2 X 3/8	
466FF	1/2 X 1/2	
466FJ	1/2 X 3/4	
466H	5/8 X 1/2	
466HJ	5/8 X 3/4	

478 - 45° MALE ELBOW



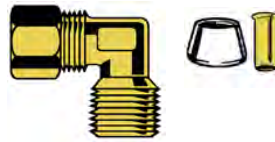
CAT. NO.	POLY TUBE O.D.	MALE PIPE
478C	1/4 X 1/8	
478CC	1/4 X 1/4	
478D	5/16 X 1/8	
478DD	5/16 X 1/4	
478E	3/8 X 1/8	
478EE	3/8 X 1/4	
478EEE	3/8 X 3/8	
478F	1/2 X 3/8	
478FF	1/2 X 1/2	
478H	5/8 X 1/2	

465 - UNION ELBOW



CAT. NO.	POLY TUBE O.D.
465C	1/4
465D	5/16
465E	3/8
465F	1/2
465H	5/8

469 - MALE ELBOW



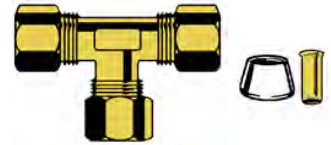
CAT. NO.	POLY TUBE O.D.	MALE PIPE
469C	1/4 X 1/8	
469CC	1/4 X 1/4	
469CE	1/4 X 3/8	
469CF	1/4 X 1/2	
469D	5/16 X 1/8	
469DD	5/16 X 1/4	
469DE	5/16 X 3/8	
469DF	5/16 X 1/2	
469E	3/8 X 1/8	
469EE	3/8 X 1/4	
469EEE	3/8 X 3/8	
469EF	3/8 X 1/2	
469EJ	3/8 X 3/4	
469F	1/2 X 3/8	
469FC	1/2 X 1/4	
469FF	1/2 X 1/2	
469FJ	1/2 X 3/4	
469H	5/8 X 1/2	
469HE	5/8 X 3/8	
469HJ	5/8 X 3/4	

470 - FEMALE ELBOW



CAT. NO.	POLY TUBE O.D.	FEM. PIPE
470C	1/4 X 1/8	
470CC	1/4 X 1/4	
470CE	1/4 X 3/8	
470CF	1/4 X 1/2	
470D	5/16 X 1/8	
470DD	5/16 X 1/4	
470E	3/8 X 1/8	
470EE	3/8 X 1/4	
470EEE	3/8 X 3/8	
470EF	3/8 X 1/2	
470EJ	3/8 X 3/4	
470F	1/2 X 3/8	
470FC	1/2 X 1/4	
470FF	1/2 X 1/2	
470FJ	1/2 X 3/4	
470H	5/8 X 1/2	
470HE	5/8 X 3/8	
470HJ	5/8 X 3/4	

464 - TEE



CAT. NO.	POLY TUBE O.D.
464C	1/4
464D	5/16
464E	3/8
464F	1/2
464H	5/8

472 - BRANCH TEE



CAT. NO.	POLY TUBE O.D.	MALE PIPE
472C	1/4 X 1/8	
472CC	1/4 X 1/4	
472D	5/16 X 1/8	
472DD	5/16 X 1/4	
472E	3/8 X 1/8	
472EE	3/8 X 1/4	
472EEE	3/8 X 3/8	
472EF	3/8 X 1/2	
472FC	1/2 X 1/4	
472F	1/2 X 3/8	
472FF	1/2 X 1/2	
472H	5/8 X 1/2	

471 - MALE RUN TEE



CAT. NO.	POLY TUBE O.D.	MALE PIPE
471C	1/4 X 1/8	
471CC	1/4 X 1/4	
471D	5/16 X 1/8	
471DD	5/16 X 1/4	
471E	3/8 X 1/8	
471EE	3/8 X 1/4	
471EEE	3/8 X 3/8	
471F	1/2 X 3/8	
471FF	1/2 X 1/2	
471H	5/8 X 1/2	

POLY-GRASP BRASS FITTINGS FOR POLY TUBING W/CAPTIVE SLEEVE



Brass nut (#PG6160) contains
captive plastic sleeve.
Body has built-in brass insert.

PG60 - PLASTIC SLEEVE



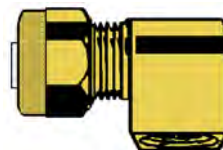
CAT. NO.	POLY TUBE O.D.
PG60C	1/4
PG60D	5/16
PG60E	3/8
PG60F	1/2

PG68 - MALE CONNECTOR



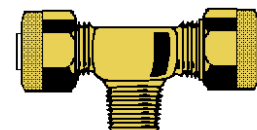
CAT. NO.	POLY TUBE O.D.	MALE PIPE
CS68A*	1/8 X	1/8
CS68B*	3/16 X	1/8
PG68C	1/4 X	1/8
PG68CC	1/4 X	1/4
PG68CE	1/4 X	3/8
PG68D	5/16 X	1/8
PG68DD	5/16 X	1/4
PG68E	3/8 X	1/8
PG68EE	3/8 X	1/4
PG68EEE	3/8 X	3/8
PG68F	1/2 X	3/8

PG70 - FEMALE 90° ELBOW



CAT. NO.	POLY TUBE O.D.	FEMALE PIPE
CS70A*	1/8 X	1/8
CS70B*	3/16 X	1/8
PG70C	1/4 X	1/8
PG70CC	1/4 X	1/4
PG70EE	3/8 X	1/4
PG70F	1/2 X	3/8

PG72 - MALE BRANCH TEE



CAT. NO.	POLY TUBE O.D.	MALE PIPE
CS72A*	1/8 X	1/8
CS72B*	3/16 X	1/8
PG72C	1/4 X	1/8
PG72CC	1/4 X	1/4
PG72D	5/16 X	1/8
PG72E	3/8 X	1/8
PG72EE	3/8 X	1/4
PG72F	1/2 X	3/8

PG6160 - BRASS NUT & PLASTIC SLEEVE ASSEMBLED



CAT. NO.	POLY TUBE O.D.
CS61-A*	1/8
CS61-B*	3/16
PG6160C	1/4
PG6160E	3/8
PG6160F	1/2

PG61 - BRASS NUT



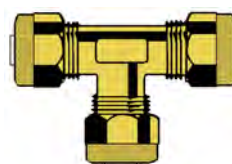
CAT. NO.	POLY TUBE O.D.
PG61C	1/4
PG61D	5/16
PG61E	3/8
PG61F	1/2

PG66 - FEMALE CONNECTOR



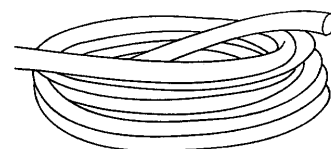
CAT. NO.	POLY TUBE O.D.	FEMALE PIPE
CS66A*	1/8 X	1/8
CS66B*	3/16 X	1/8
PG66C	1/4 X	1/8
PG66CC	1/4 X	1/4
PG66D	5/16 X	1/8
PG66DD	5/16 X	1/4
PG66E	3/8 X	1/8
PG66EE	3/8 X	1/4
PG66F	1/2 X	3/8

PG64 - TEE



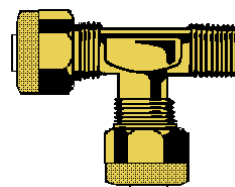
CAT. NO.	POLY TUBE O.D.
CS64A*	1/8
CS64B*	3/16
PG64C	1/4
PG64D	5/16
PG64E	3/8
PG64F	1/2

PT - POLYETHYLENE TUBING



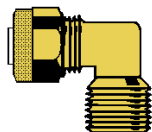
FDA APPROVED. SOLD IN 100FT COILS (NOT RECOMMENDED FOR NATURAL GAS)
COLOR: NATURAL
ORDER PER COIL

PG71 - MALE RUN TEE



CAT. NO.	POLY TUBE O.D.	MALE PIPE
CS71A*	1/8 X	1/8
CS71B*	3/16 X	1/8
PG71C	1/4 X	1/8
PG71CC	1/4 X	1/4
PG71D	5/16 X	1/8
PG71EE	3/8 X	1/4
PG71F	1/2 X	3/8

PG69 - MALE 90° ELBOW



CAT. NO.	POLY TUBE O.D.	MALE PIPE
CS69A*	1/8 X	1/8
CS69B*	3/16 X	1/8
PG69C	1/4 X	1/8
PG69CC	1/4 X	1/4
PG69CE	1/4 X	3/8
PG69D	5/16 X	1/8
PG69E	3/8 X	1/8
PG69EE	3/8 X	1/4
PG69EEE	3/8 X	3/8
PG69F	1/2 X	3/8

PG62 - UNION



CAT. NO.	POLY TUBE O.D.
CS62A*	1/8
CS62B*	3/16
PG62C	1/4
PG62D	5/16
PG62E	3/8
PG62F	1/2

CAT. NO.	TUBE O.D.	TUBE I.D.	WALL THICK	MAX PRESSURE AT 70°F
PT100C	1/4	.170	.040	130 PSI
PT100D	5/16	3/16	.062	130 PSI
PT100E	3/8	1/4	.062	130 PSI
PT100F	1/2	3/8	.062	80 PSI
PT100H	5/8	1/2	.062	70 PSI
PT100J	3/4	1/2	1/8	100 PSI

WORKING PSI & TEMPERATURE RANGES DEPENDENT ON POLY TUBING

*** ITEMS SUPPLIED WITH BRASS CAPTIVE SLEEVE AND NO INSERT**

TUBE SIZE	1/4	5/16	3/8	1/2
THREAD SIZE	3/8-24	7/16-24	1/2-24	11/16-20

POLY PUSH “BRASS” FITTINGS

NOT FOR TRUCK USE
SEE PAGE 16R

PP62 - UNION



CAT. NO.	TUBE O.D.
PP62A	1/8
PP62AA	5/32
PP62B	3/16
PP62C	1/4
PP62D	5/16
PP62E	3/8
PP62F	1/2
UNION BULKHEAD	
PP62LA	1/8
PP62LAA	5/32
PP62LC	1/4
PP62LE	3/8
PP62LF	1/2

PP68 - MALE CONNECTOR



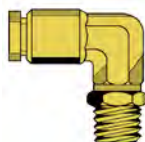
CAT. NO.	TUBE O.D.	MALE PIPE
PP68AS	1/8 X 1/16	
PP68A	1/8 X 1/8	
PP68AA	5/32 X 1/8	
PP68AAC	5/32 X 1/4	
PP68AAA	5/32X10/32	
PP68B	3/16 X 1/8	
PP68C	1/4 X 1/8	
PP68CC	1/4 X 1/4	
PP68CE	1/4 X 3/8	
PP68D	5/16 X 1/8	
PP68DD	5/16 X 1/4	
PP68E	3/8 X 1/8	
PP68EE	3/8 X 1/4	
PP68EEE	3/8 X 3/8	
PP68EF	3/8 X 1/2	
PP68FC	1/2 X 1/4	
PP68F	1/2 X 3/8	
PP68FF	1/2 X 1/2	

PP69 - MALE ELBOW



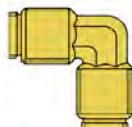
CAT. NO.	TUBE O.D.	MALE PIPE
PP69A	1/8 X 1/8	
PP69AA	5/32 X 1/8	
PP69B	3/16 X 1/8	
PP69C	1/4 X 1/8	
PP69CC	1/4 X 1/4	
PP69CE	1/4 X 3/8	
PP69E	3/8 X 1/8	
PP69EE	3/8 X 1/4	
PP69EEE	3/8 X 3/8	
PP69FC	1/2 X 1/4	
PP69F	1/2 X 3/8	
PP69FF	1/2 X 1/2	

PP69S - SWIVEL ELBOW



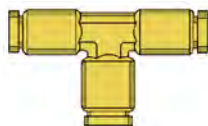
CAT. NO.	TUBE O.D.	MALE PIPE
PP69SA	1/8X1/8	
PP69SAA	5/32X1/8	
PP69SAAC	5/32X1/4	
PP69SB	3/16X1/8	
PP69SC	1/4X1/8	
PP69SCC	1/4X1/4	
PP69SCE	1/4X3/8	
PP69SD	5/16X1/8	
PP69SDD	5/16X1/4	
PP69SDE	5/16X3/8	
PP69SE	3/8X1/8	
PP69SEE	3/8X1/4	
PP69SEEE	3/8X3/8	
PP69SEF	3/8X1/2	
PP69SF	1/2X3/8	
PP69SFF	1/2X1/2	

PP65 - UNION ELBOW



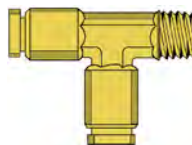
CAT. NO.	TUBE O.D.
PP65A	1/8
PP65AA	5/32
PP65C	1/4
PP65E	3/8
PP65F	1/2

PP64 - TEE



CAT. NO.	TUBE O.D.
PP64A	1/8
PP64AA	5/32
PP64B	3/16
PP64C	1/4
PP64E	3/8
PP64F	1/2

PP71 - MALE RUN TEE

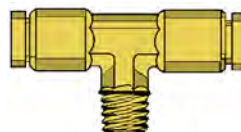


CAT. NO.	TUBE O.D.	MALE PIPE
PP71A	1/8X1/8	
PP71AA	5/32X1/8	
PP71B	3/16X1/8	
PP71C	1/4X1/8	
PP71CC	1/4X1/4	
PP71E	3/8X1/8	
PP71EE	3/8X1/4	
PP71EEE	3/8X3/8	
PP71F	1/2X3/8	

PP71S - SWIVEL

CAT. NO.	TUBE O.D.	MALE PIPE
PP71SC	1/4X1/8	
PP71SCC	1/4X1/4	
PP71SEE	3/8X1/4	
PP71SEEE	3/8X3/8	
PP71SF	1/2X3/8	
PP71SFF	1/2X1/2	

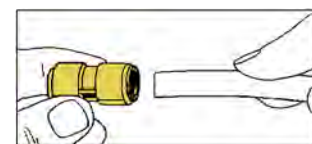
PP72 - MALE BRANCH TEE



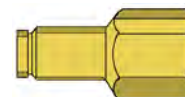
CAT. NO.	TUBE O.D.	MALE PIPE
PP72A	1/8X1/8	
PP72AA	5/32X1/8	
PP72B	3/16X1/8	
PP72C	1/4X1/8	
PP72CC	1/4X1/4	
PP72E	3/8X1/8	
PP72EE	3/8X1/4	
PP72EEE	3/8X3/8	
PP72F	1/2X3/8	

PP72S - SWIVEL

CAT. NO.	TUBE O.D.	MALE PIPE
PP72SAA	5/32X1/8	
PP72SC	1/4X1/8	
PP72SCC	1/4X1/4	
PP72SEE	3/8X1/4	
PP72SEEE	3/8X3/8	
PP72SF	1/2X3/8	
PP72SFF	1/2X1/2	



PP66 - FEMALE CONNECTOR



CAT. NO.	TUBE O.D.	FEM. PIPE
PP66A	1/8X1/8	
PP66C	1/4X1/8	
PP66CC	1/4X1/4	
PP66EE	3/8X1/4	
PP66EEE	3/8X3/8	

TO INSTALL: CUT TUBING SQUARELY. INSERT TUBING INTO FITTING UNTIL TUBE BOTTOMS FIRMLY. TO REMOVE: HOLD BACK RELEASE RING AND WITHDRAW THE TUBING.

REUSEABLE, CONNECT & DISCONNECT NUMEROUS TIMES AND GET SAME POSITIVE SEAL.

BRASS BODY & INSERT BUNA-N “O” RING

WORKING PSI UP TO MAX. PSI OF PLASTIC TUBE. FOR SOFT COPPER TUBE, MAX. OF 750 PSI IS RECOMMENDED

WORKING TEMPERATURE OF FITTING -10° TO +200°F.

NOTE: DO NOT USE ON VINYL OR OTHER SOFT PLASTIC TUBING. NOT FOR AIR BRAKE USE. SEE PAGE 16R FOR DOT FITTINGS

**FOR USE WITH
POLYETHYLENE
OR SOFT
COPPER TUBING**

TRUCK ACCESSORY "DOT" PUSH IN BRASS FITTINGS

BUILT-IN TUBE
SUPPORT

PP62-DOT - UNION



CAT. NO.	TUBE O.D.
PP62AA-DOT	5/32
PP62C-DOT	1/4
PP62E-DOT	3/8
PP62F-DOT	1/2
PP62H-DOT	5/8
PP62J-DOT	3/4

BULKHEAD UNION

CAT. NO.	TUBE O.D.
PP62LC-DOT	1/4
PP62LE-DOT	3/8
PP62LF-DOT	1/2
PP62LH-DOT	5/8

PP68-DOT -MALE CONNECTOR



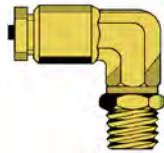
CAT. NO.	TUBE O.D.	MALE PIPE
PP68AAS-DOT	5/32X1/16	
PP68AA-DOT	5/32X1/8	
PP68C-DOT	1/4 X1/8	
PP68CC-DOT	1/4X1/4	
PP68CE-DOT	1/4X3/8	
PP68E-DOT	3/8X1/8	
PP68EE-DOT	3/8X1/4	
PP68EEE-DOT	3/8X3/8	
PP68EF-DOT	3/8X1/2	
PP68F-DOT	1/2X3/8	
PP68FC-DOT	1/2X1/4	
PP68FF-DOT	1/2X1/2	
PP68H-DOT	5/8X1/2	
PP68J-DOT	3/4X1/2	
PP68JJ-DOT	3/4X3/4	

PP69-DOT MALE ELBOW



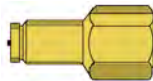
CAT. NO.	TUBE O.D.	MALE PIPE
PP69AA-DOT	5/32X1/8	
PP69C-DOT	1/4 X1/8	
PP69CC-DOT	1/4X1/4	
PP69CE-DOT	1/4X3/8	
PP69E-DOT	3/8X1/8	
PP69EE-DOT	3/8X1/4	
PP69EEE-DOT	3/8X3/8	
PP69EF-DOT	3/8X1/2	
PP69FC-DOT	1/2X1/4	
PP69F-DOT	1/2X3/8	
PP69FF-DOT	1/2X1/2	
PP69HE-DOT	5/8X3/8	
PP69H-DOT	5/8X1/2	
PP69J-DOT	3/4X1/2	
PP69JJ-DOT	3/4X3/4	

PP69S-DOT SWIVEL MALE 90° ELBOW



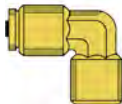
CAT. NO.	TUBE O.D.	MALE PIPE
PP69SC-DOT	1/4X1/8	
PP69SCC-DOT	1/4X1/4	
PP69SCE-DOT	1/4X3/8	
PP69SE-DOT	3/8X1/8	
PP69SEE-DOT	3/8X1/4	
PP69SEEE-DOT	3/8X3/8	
PP69SEF-DOT	3/8X1/2	
PP69SFC-DOT	1/2X1/4	
PP69SF-DOT	1/2X3/8	
PP69SFF-DOT	1/2X1/2	
PP69SHE-DOT	5/8X3/8	
PP69SH-DOT	5/8X1/2	
PP69SJ-DOT	3/4X1/2	
PP69SJJ-DOT	3/4X3/4	

PP66-DOT FEMALE CONNECTOR



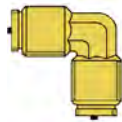
CAT. NO.	TUBE O.D.	FEMALE PIPE
PP66C-DOT	1/4X1/8	
PP66CC-DOT	1/4X1/4	

PP70-DOT FEMALE 90° ELBOW



CAT. NO.	TUBE O.D.	FEMALE PIPE
PP70C-DOT	1/4X1/8	
PP70CC-DOT	1/4X1/4	
PP70EE-DOT	3/8X1/4	
PP70EEE-DOT	3/8X3/8	
PP70FF-DOT	1/2X1/2	

PP65-DOT 90° ELBOW



CAT. NO.	TUBE O.D.
PP65C-DOT	1/4
PP65E-DOT	3/8
PP65F-DOT	1/2

PP78-DOT - 45° MALE ELBOW

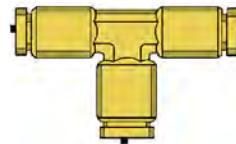


CAT. NO.	TUBE O.D.	MALE PIPE
PP78C-DOT	1/4X1/8	
PP78CC-DOT	1/4X1/4	
PP78E-DOT	3/8X1/8	
PP78EE-DOT	3/8X1/4	
PP78EEE-DOT	3/8X3/8	
PP78EF-DOT	3/8X1/2	
PP78FC-DOT	1/2X1/4	
PP78F-DOT	1/2X3/8	
PP78FF-DOT	1/2X1/2	
PP78H-DOT	5/8X1/2	
PP78HE-DOT	5/8X3/8	
PP78J-DOT	3/4X1/2	
PP78JJ-DOT	3/4X3/4	

SWIVEL

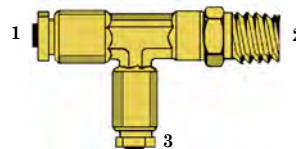
PP78SC-DOT	1/4X1/8
PP78SCC-DOT	1/4X1/4
PP78SE-DOT	3/8X1/8
PP78SEE-DOT	3/8X1/4
PP78SEEE-DOT	3/8X3/8
PP78SFC-DOT	1/2X1/4
PP78SF-DOT	1/2X3/8
PP78SFF-DOT	1/2X1/2

PP64-DOT - TEE

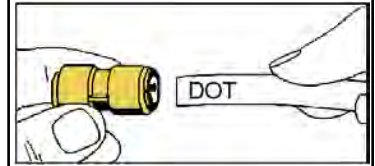


CAT. NO.	TUBE O.D.
PP64C-DOT	1/4
PP64E-DOT	3/8
PP64F-DOT	1/2
PP64H-DOT	5/8
PP64J-DOT	3/4

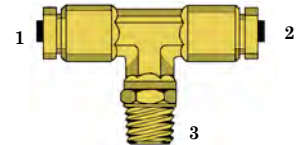
PP71S-DOT - TEE TUBE X MALE PIPE SWIVEL X TUBE



CAT. NO.	TUBE O.D.	MALE PIPE
PP71SC-DOT	1/4X1/8	
PP71SCC-DOT	1/4X1/4	
PP71SEE-DOT	3/8X1/4	
PP71SEEE-DOT	3/8X3/8	
PP71SF-DOT	1/2X3/8	

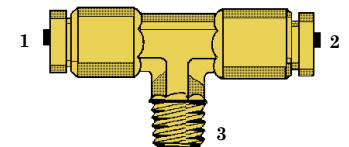


PP72S-DOT - TEE WITH SWIVEL MALE PIPE



CAT. NO.	TUBE O.D.	MALE PIPE
PP72SC-DOT	1/4X1/8	
PP72SCC-DOT	1/4X1/4	
PP72SEE-DOT	3/8X1/4	
PP72SEEE-DOT	3/8X3/8	
PP72SF-DOT	1/2X3/8	

PP72-DOT - TEE WITH MALE PIPE



CAT. NO.	TUBE O.D.	MALE PIPE
PP72C-DOT	1/4X1/8	
PP72CC-DOT	1/4X1/4	
PP72EE-DOT	3/8X1/4	
PP72EEE-DOT	3/8X3/8	
PP72F-DOT	1/2X3/8	

SPECIFICATIONS

MEETS D.O.T. FMVSS 571.106
AIR BRAKE PERFORMANCE
SPECIFICATIONS.

FITTINGS BODY: BRASS

SEALS: BUNA-N (NITRILE)
"O" RINGS

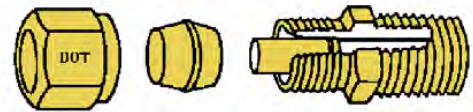
WORKING TEMPERATURE:
-40°F - +200°F

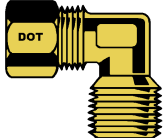
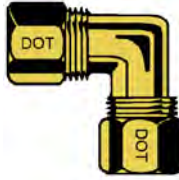
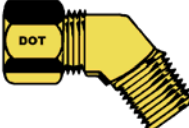
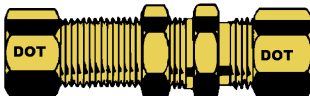
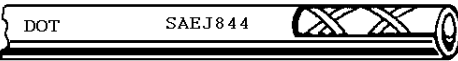
WORKING PRESSURE:
VACUUM TO 250 PSI

**COMPOSITE ON
PAGE 18R**

TO INSTALL: CUT TUBING SQUARELY. INSERT TUBING INTO FITTING UNTIL TUBE BOTTOMS FIRMLY.
TO REMOVE: HOLD BACK RELEASE RING AND WITHDRAW THE TUBING.

D.O.T. AIR BRAKE BRASS FITTINGS FOR NYLON TRUCK TUBING. (SAEJ844)



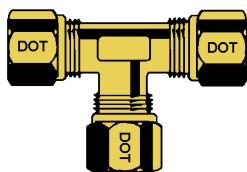
TH260 - SLEEVE  BRASS <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH260B</td><td>3/16</td></tr><tr><td>TH260C</td><td>1/4</td></tr><tr><td>TH260E</td><td>3/8</td></tr><tr><td>TH260F</td><td>1/2</td></tr><tr><td>TH260H</td><td>5/8</td></tr><tr><td>TH260J</td><td>3/4</td></tr></table>	CAT. NO.	TUBE O.D.	TH260B	3/16	TH260C	1/4	TH260E	3/8	TH260F	1/2	TH260H	5/8	TH260J	3/4	TH268 - MALE CONNECTOR  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>MALE PIPE</th></tr><tr><td>TH268BS</td><td>3/16 X 1/16</td><td></td></tr><tr><td>TH268B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>TH268BB</td><td>3/16 X 1/4</td><td></td></tr><tr><td>TH268C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>TH268CS</td><td>1/4 X 1/16</td><td></td></tr><tr><td>TH268CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>TH268CE</td><td>1/4 X 3/8</td><td></td></tr><tr><td>TH268E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>TH268EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>TH268EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>TH268EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>TH268FC</td><td>1/2 X 1/4</td><td></td></tr><tr><td>TH268F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>TH268FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>TH268FJ</td><td>1/2 X 3/4</td><td></td></tr><tr><td>TH268HE</td><td>5/8 X 3/8</td><td></td></tr><tr><td>TH268H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>TH268HJ</td><td>5/8 X 3/4</td><td></td></tr><tr><td>TH268J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>TH268JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	TH268BS	3/16 X 1/16		TH268B	3/16 X 1/8		TH268BB	3/16 X 1/4		TH268C	1/4 X 1/8		TH268CS	1/4 X 1/16		TH268CC	1/4 X 1/4		TH268CE	1/4 X 3/8		TH268E	3/8 X 1/8		TH268EE	3/8 X 1/4		TH268EEE	3/8 X 3/8		TH268EF	3/8 X 1/2		TH268FC	1/2 X 1/4		TH268F	1/2 X 3/8		TH268FF	1/2 X 1/2		TH268FJ	1/2 X 3/4		TH268HE	5/8 X 3/8		TH268H	5/8 X 1/2		TH268HJ	5/8 X 3/4		TH268J	3/4 X 1/2		TH268JJ	3/4 X 3/4		TH269 - MALE ELBOW  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>MALE PIPE</th></tr><tr><td>TH269B</td><td>3/16 X 1/8</td><td></td></tr><tr><td>TH269BB</td><td>3/16 X 1/4</td><td></td></tr><tr><td>TH269C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>TH269CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>TH269CE</td><td>1/4 X 3/8</td><td></td></tr><tr><td>TH269E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>TH269EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>TH269EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>TH269EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>TH269FC</td><td>1/2 X 1/4</td><td></td></tr><tr><td>TH269F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>TH269FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>TH269HE</td><td>5/8 X 3/8</td><td></td></tr><tr><td>TH269H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>TH269HJ</td><td>5/8 X 3/4</td><td></td></tr><tr><td>TH269J</td><td>3/4 X 1/2</td><td></td></tr><tr><td>TH269JJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	TH269B	3/16 X 1/8		TH269BB	3/16 X 1/4		TH269C	1/4 X 1/8		TH269CC	1/4 X 1/4		TH269CE	1/4 X 3/8		TH269E	3/8 X 1/8		TH269EE	3/8 X 1/4		TH269EEE	3/8 X 3/8		TH269EF	3/8 X 1/2		TH269FC	1/2 X 1/4		TH269F	1/2 X 3/8		TH269FF	1/2 X 1/2		TH269HE	5/8 X 3/8		TH269H	5/8 X 1/2		TH269HJ	5/8 X 3/4		TH269J	3/4 X 1/2		TH269JJ	3/4 X 3/4		TH265 - ELBOW  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH265C</td><td>1/4</td></tr><tr><td>TH265E</td><td>3/8</td></tr><tr><td>TH265F</td><td>1/2</td></tr><tr><td>TH265H</td><td>5/8</td></tr></table>	CAT. NO.	TUBE O.D.	TH265C	1/4	TH265E	3/8	TH265F	1/2	TH265H	5/8
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TH261 - NUT  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH261B</td><td>3/16</td></tr><tr><td>TH261C</td><td>1/4</td></tr><tr><td>TH261E</td><td>3/8</td></tr><tr><td>TH261F</td><td>1/2</td></tr><tr><td>TH261H</td><td>5/8</td></tr><tr><td>TH261J</td><td>3/4</td></tr></table>	CAT. NO.	TUBE O.D.	TH261B	3/16	TH261C	1/4	TH261E	3/8	TH261F	1/2	TH261H	5/8	TH261J	3/4	TH266 - FEMALE CONNECTOR  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>FEMALE PIPE</th></tr><tr><td>TH266C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>TH266CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>TH266E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>TH266EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>TH266EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>TH266F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>TH266FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>TH266HE</td><td>5/8 X 3/8</td><td></td></tr><tr><td>TH266H</td><td>5/8 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	FEMALE PIPE	TH266C	1/4 X 1/8		TH266CC	1/4 X 1/4		TH266E	3/8 X 1/8		TH266EE	3/8 X 1/4		TH266EEE	3/8 X 3/8		TH266F	1/2 X 3/8		TH266FF	1/2 X 1/2		TH266HE	5/8 X 3/8		TH266H	5/8 X 1/2		TH278 - 45° ELBOW  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>MALE PIPE</th></tr><tr><td>TH278C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>TH278CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>TH278E</td><td>3/8 X 1/8</td><td></td></tr><tr><td>TH278EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>TH278EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>TH278EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>TH278F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>TH278FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>TH278H</td><td>5/8 X 1/2</td><td></td></tr><tr><td>TH278J</td><td>3/4 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	TH278C	1/4 X 1/8		TH278CC	1/4 X 1/4		TH278E	3/8 X 1/8		TH278EE	3/8 X 1/4		TH278EEE	3/8 X 3/8		TH278EF	3/8 X 1/2		TH278F	1/2 X 3/8		TH278FF	1/2 X 1/2		TH278H	5/8 X 1/2		TH278J	3/4 X 1/2		TH270 - FEMALE ELBOW  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>FEMALE PIPE</th></tr><tr><td>TH270C</td><td>1/4 X 1/8</td><td></td></tr><tr><td>TH270CC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>TH270EE</td><td>3/8 X 1/4</td><td></td></tr><tr><td>TH270EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>TH270F</td><td>1/2 X 3/8</td><td></td></tr><tr><td>TH270FF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>TH270H</td><td>5/8 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	FEMALE PIPE	TH270C	1/4 X 1/8		TH270CC	1/4 X 1/4		TH270EE	3/8 X 1/4		TH270EEE	3/8 X 3/8		TH270F	1/2 X 3/8		TH270FF	1/2 X 1/2		TH270H	5/8 X 1/2																																									
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TH270H	5/8 X 1/2																																																																																																																																															
TH262 - UNION  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH262C</td><td>1/4</td></tr><tr><td>TH262E</td><td>3/8</td></tr><tr><td>TH262F</td><td>1/2</td></tr><tr><td>TH262H</td><td>5/8</td></tr><tr><td>TH262J</td><td>3/4</td></tr></table>	CAT. NO.	TUBE O.D.	TH262C	1/4	TH262E	3/8	TH262F	1/2	TH262H	5/8	TH262J	3/4	TH262L - BULK-HEAD UNION  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH262LC</td><td>1/4</td></tr><tr><td>TH262LE</td><td>3/8</td></tr><tr><td>TH262LF</td><td>1/2</td></tr><tr><td>TH262LH</td><td>5/8</td></tr></table>	CAT. NO.	TUBE O.D.	TH262LC	1/4	TH262LE	3/8	TH262LF	1/2	TH262LH	5/8	TH396 - BULKHEAD AIR BRAKE COUPLING WITH NYLON TRUCK AIR-BRAKE CONNECTOR  <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th><th>FEMALE PIPE THD.</th><th>OVERALL LENGTH</th></tr><tr><td>TH396-66</td><td>3/8</td><td>3/8</td><td>1.50"</td></tr><tr><td>TH396-86</td><td>1/2</td><td>3/8</td><td>1.56"</td></tr></table>	CAT. NO.	TUBE O.D.	FEMALE PIPE THD.	OVERALL LENGTH	TH396-66	3/8	3/8	1.50"	TH396-86	1/2	3/8	1.56"	TH100 - D.O.T. NYLON AIR BRAKE TUBING (SAEJ844) 150 PSI 100' BLACK COILS ORDER BY COIL NOT LENGTH <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH100A</td><td>1/8</td></tr><tr><td>TH100AA</td><td>5/32</td></tr><tr><td>TH100C</td><td>1/4</td></tr><tr><td>TH100D</td><td>5/16</td></tr><tr><td>TH100E</td><td>3/8</td></tr><tr><td>TH100F</td><td>1/2</td></tr><tr><td>TH100H</td><td>5/8</td></tr><tr><td>TH100J</td><td>3/4</td></tr></table> 500' COILS <table><tr><td>TH500E</td><td>3/8</td></tr><tr><td>TH500F</td><td>1/2</td></tr></table> 1000' COILS <table><tr><td>TH1000A</td><td>1/8</td></tr><tr><td>TH1000AA</td><td>5/32</td></tr><tr><td>TH1000C</td><td>1/4</td></tr></table> 	CAT. NO.	TUBE O.D.	TH100A	1/8	TH100AA	5/32	TH100C	1/4	TH100D	5/16	TH100E	3/8	TH100F	1/2	TH100H	5/8	TH100J	3/4	TH500E	3/8	TH500F	1/2	TH1000A	1/8	TH1000AA	5/32	TH1000C	1/4																																																																															
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TH1000C	1/4																																																																																																																																															

CONTINUED:

D.O.T. AIR BRAKE BRASS FITTINGS FOR NYLON TRUCK TUBING. (SAEJ844)

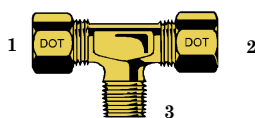
COMPOSITE

TH264 - TEE



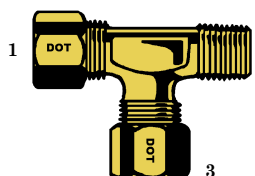
CAT. NO.	TUBE O.D.
TH264C	1/4
TH264E	3/8
TH264F	1/2
TH264H	5/8

TH272 - TEE MALE BRANCH



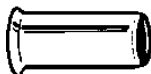
CAT. NO.	1&2 TUBE O.D.	3 MALE PIPE
TH272C	1/4 X 1/8	
TH272CC	1/4 X 1/4	
TH272E	3/8 X 1/8	
TH272EE	3/8 X 1/4	
TH272EEE	3/8 X 3/8	
TH272FC	1/2 X 1/4	
TH272F	1/2 X 3/8	
TH272FF	1/2 X 1/2	
TH272H	5/8 X 1/2	

TH271 - TEE MALE PIPE RUN



CAT. NO.	1&3 TUBE O.D.	2 MALE PIPE
TH271C	1/4 X 1/8	
TH271CC	1/4 X 1/4	
TH271EE	3/8 X 1/4	
TH271EEE	3/8 X 3/8	
TH271F	1/2 X 3/8	
TH271FF	1/2 X 1/2	
TH271H	5/8 X 1/2	

TH461 - STAINLESS STEEL INSERTS FOR D.O.T. TRUCK AIR BRAKE NYLON TUBING (SAEJ844)



CAT. NO.	TUBING O.D.	INSERT O.D.
TH461C	1/4	.163
TH461E	3/8	.245
TH461F	1/2	.370
TH461H	5/8	.434
TH461J	3/4	.559

461 - BRASS INSERTS FOR INDUSTRIAL PLASTIC TUBING



CAT. NO.	TUBING O.D.	INSERT O.D.
461A-80	1/8"	.080
461A-0*	1/8"	.073
461BS	3/16"	.135
461B-80	3/16"	.095
461B-0	3/16"	.110
461C**	1/4"	.163
461D	5/16"	.187
461DS*	5/16"	.232
461E**	3/8"	.250
461F**	1/2"	.370
461H	5/8"	.470
TH461H*♦	5/8"	.434
TH461J♦	3/4"	.559

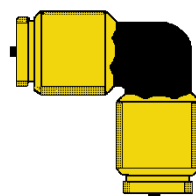
* USE WITH A/B TUBING
♦ STAINLESS STEEL
** USE WITH A/B & POLY TUBING

CP62 - UNION COMPOSITE UNION PUSH TO CONNECT DOT



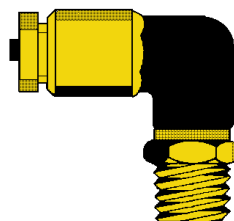
CAT. NO.	TUBE O.D.
CP62C-DOT	1/4
CP62E-DOT	3/8
CP62F-DOT	1/2

CP65 - ELBOW COMPOSITE UNION PUSH TO CONNECT DOT



CAT. NO.	TUBE O.D.
CP65C-DOT	1/4
CP65E-DOT	3/8
CP65F-DOT	1/2

CP69S - 90° ELBOW COMPOSITE X MALE PUSH TO CONNECT DOT X SWIVEL MALE 90° ELBOW



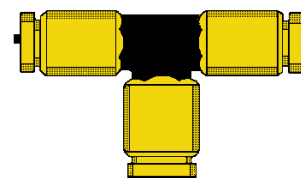
CAT. NO.	TUBE O.D.	MALE PIPE
CP69SC-DOT	1/4 X 1/8	
CP69SCC-DOT	1/4 X 1/4	
CP69SEE-DOT	3/8 X 1/4	
CP69SEEE-DOT	3/8 X 3/8	
CP69SF-DOT	1/2 X 3/8	
CP69SFF-DOT	1/2 X 1/2	

CP78S - 45° ELBOW COMPOSITE X MALE PUSH TO CONNECT DOT X SWIVEL MALE 45° ELBOW



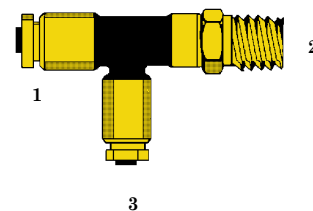
CAT. NO.	TUBE O.D.	MALE PIPE
CP78SC-DOT	1/4 X 1/8	
CP78SCC-DOT	1/4 X 1/4	
CP78SEE-DOT	3/8 X 1/4	
CP78SEEE-DOT	3/8 X 3/8	
CP78SF-DOT	1/2 X 3/8	
CP78SFF-DOT	1/2 X 1/2	

CP64 - TEE COMPOSITE TEE PUSH TO CONNECT DOT TEE



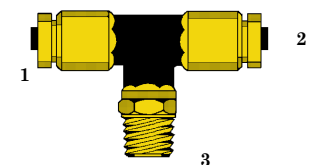
CAT. NO.	TUBE O.D.
CP64C-DOT	1/4
CP64E-DOT	3/8
CP64F-DOT	1/2

CP71S - RUN TEE COMPOSITE X SWIVEL MALE PIPE



CAT. NO.	1&3 TUBE O.D.	2 MALE PIPE
CP71SC-DOT	1/4 X 1/8	
CP71SCC-DOT	1/4 X 1/4	
CP71SEE-DOT	3/8 X 1/4	
CP71SEEE-DOT	3/8 X 3/8	
CP71SF-DOT	1/2 X 3/8	
CP71SFF-DOT	1/2 X 1/2	

CP72S - BRANCH COMPOSITE X SWIVEL MALE PIPE BRANCH TEE



CAT. NO.	1&2 TUBE O.D.	3 MALE PIPE
CP72SC-DOT	1/4 X 1/8	
CP72SCC-DOT	1/4 X 1/4	
CP72SEE-DOT	3/8 X 1/4	
CP72SEEE-DOT	3/8 X 3/8	
CP72SF-DOT	1/2 X 3/8	
CP72SFF-DOT	1/2 X 1/2	

TUBE SIZE	3/16	1/4	3/8	1/2	5/8	3/4
THREAD SIZE	5/16-24	7/16-24	17/32-24	11/16-20	13/16-18	1-18

AIR BRAKE TRUCK SWIVEL TYPE HOSE CONNECTORS

396 - AIR BRAKE CONNECTOR HOSE TO SPECIAL FEMALE THREAD



SWIVEL - BRASS

CAT. NO.	HOSE O.D.	HOSE I.D.	FEM. THREAD
396JJ	3/4	3/8	3/4-20
396MM	7/8	1/2	7/8-20

398 - AIR BRAKE CONNECTOR WITH MALE PIPE ADAPTER



SWIVEL - BRASS

CAT. NO.	HOSE O.D.	HOSE I.D.	MALE PIPE
398JC	3/4	3/8	1/4
398JE	3/4	3/8	3/8
398ME	7/8	1/2	3/8

398-BO - AIR BRAKE ADAPTER BODY



CAT. NO.	SPECIAL THREAD	MALE PIPE
398JC-BO	3/4-20	1/4
398JE-BO	3/4-20	3/8
398ME-BO	7/8-20	3/8
398MF-BO	7/8-20	1/2

ABH - AIR BRAKE HOSE FOR USE WITH AIR BRAKE REUSEABLE FITTINGS ON PAGES 19R & 22R



SAE J1402

CAT. NO.	PACKAGE INFORMATION	HOSE O.D.	HOSE I.D.	MAX WORKING PRESSURE	MIN. BURST
ABH50-J	50' COILS	3/4	3/8	225 PSI	900
ABH250-J	250' SPOOL	3/4	3/8	225 PSI	900
ABH50-M	50' COILS	7/8	1/2	225 PSI	900
ABH250-M	250' SPOOL	7/8	1/2	225 PSI	900

390 - BULKHEAD COUPLING BRASS



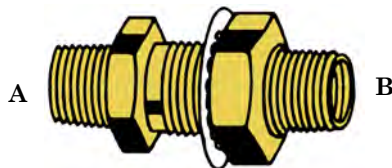
CAT. NO.	MALE PIPE THD.	FEM. PIPE THD.	OVERALL LENGTH
390FC5	1/2	1/4	2&5/32

TH396 - BULKHEAD AIR BRAKE COUPLING BRASS WITH NYLON TRUCK AIRBRAKE CONN.



CAT. NO.	TUBE O.D.	FEM. PIPE	OVERALL LENGTH
TH396-66	3/8	3/8	1.50"
TH396-86	1/2	3/8	1.56"

391 - BULKHEAD COUPLING



CAT. NO.	MALE PIPE THRD.	FEM. PIPE THD.	OVER-ALL LENGTH	
391FC2	1/2	1/4	2.875	BRASS
391FC3	1/2	1/4	3.938	BRASS
391FC4	1/2	3/8	1.688	BRASS
391FC5	1/2	3/8	1.906	BRASS

392 - BULKHEAD COUPLING BRASS



CAT. NO.	FEM. PIPE A&B	OVER ALL LENGTH	STRAIGHT MALE THRD.
392A-1&1/2	1/8	1.50	5/8-18
392C-94	1/4	.94	3/4-16
392C-1&1/2	1/4	1.50	3/4-16
392E-1&5/16	3/8	1&5/16	1.0-14
392F-1&1/2	1/2	1.50	1&1/8-14

“COPPER TUBING” AIR BRAKE COMPRESSION BRASS FITTINGS

260 - AIR BRAKE SLEEVE



CAT. NO.	TUBE O.D.
260C	1/4
260D	5/16
260E	3/8
260F	1/2
260H	5/8
260J	3/4

262 - AIR BRAKE UNION



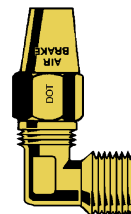
CAT. NO.	TUBE O.D.
262C	1/4
262D	5/16
262E	3/8
262F	1/2
262H	5/8
262J	3/4

268 - AIR BRAKE MALE CONNECTOR



CAT. NO.	TUBE O.D.	MALE PIPE
268C	1/4 X 1/8	
268CC	1/4 X 1/4	
268CE	1/4 X 3/8	
268CF	1/4 X 1/2	
268D	5/16 X 1/8	
268DD	5/16 X 1/4	
268DE	5/16 X 3/8	
268DF	5/16 X 1/2	
268E	3/8 X 1/8	
268EE	3/8 X 1/4	
268EEE	3/8 X 3/8	
268EF	3/8 X 1/2	
268F	1/2 X 3/8	
268FC	1/2 X 1/4	
268FF	1/2 X 1/2	
268FJ	1/2 X 3/4	
268H	5/8 X 1/2	
268HE	5/8 X 3/8	
268HJ	5/8 X 3/4	
268J	3/4 X 1/2	
268JJ	3/4 X 3/4	

269 - AIR BRAKE MALE ELBOW



CAT. NO.	TUBE O.D.	MALE PIPE
269C	1/4 X 1/8	
269CC	1/4 X 1/4	
269CE	1/4 X 3/8	
269CF	1/4 X 1/2	
269D	5/16 X 1/8	
269DD	5/16 X 1/4	
269DE	5/16 X 3/8	
269DF	5/16 X 1/2	
269E	3/8 X 1/8	
269EE	3/8 X 1/4	
269EEE	3/8 X 3/8	
269EF	3/8 X 1/2	
269F	1/2 X 3/8	
269FC	1/2 X 1/4	
269FF	1/2 X 1/2	
269FJ	1/2 X 3/4	
269H	5/8 X 1/2	
269HE	5/8 X 3/8	
269HJ	5/8 X 3/4	
269J	3/4 X 1/2	
269JJ	3/4 X 3/4	

261 - AIR BRAKE NUT



CAT. NO.	TUBE O.D.
261C	1/4
261D	5/16
261E	3/8
261F	1/2
261H	5/8
261J	3/4

266 - AIR BRAKE FEMALE CONNECTOR



CAT. NO.	TUBE O.D.	FEMALE PIPE
266C	1/4 X 1/8	
266CC	1/4 X 1/4	
266CE	1/4 X 3/8	
266CF	1/4 X 1/2	
266D	5/16 X 1/8	
266DD	5/16 X 1/4	
266DE	5/16 X 3/8	
266E	3/8 X 1/8	
266EE	3/8 X 1/4	
266EEE	3/8 X 3/8	
266F	1/2 X 3/8	
266FC	1/2 X 1/4	
266FF	1/2 X 1/2	
266FJ	1/2 X 3/4	
266H	5/8 X 1/2	
266HE	5/8 X 3/8	
266HJ	5/8 X 3/4	
266J	3/4 X 1/2	
266JJ	3/4 X 3/4	

262L - AIR BRAKE BULKHEAD UNION



CAT. NO.	TUBE O.D.
262LC	1/4
262LE	3/8

278 - AIR BRAKE 45° MALE ELBOW

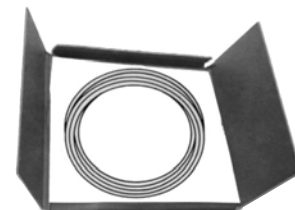


CAT. NO.	TUBE O.D.	MALE PIPE
278C	1/4 X 1/8	
278CC	1/4 X 1/4	
278D	5/16 X 1/8	
278DD	5/16 X 1/4	
278E	3/8 X 1/8	
278EE	3/8 X 1/4	
278EEE	3/8 X 3/8	
278EF	3/8 X 1/2	
278F	1/2 X 3/8	
278FF	1/2 X 1/2	
278H	5/8 X 1/2	

TU6 - AIRBRAKE COPPER TUBING

50 FT. COIL
BOXED INDIVIDUALLY

ORDER IN COILS NOT LENGTH



CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-6C	1/4 X .035	
TU-6D	5/16 X .042	
TU-6E	3/8 X .049	
TU-6F	1/2 X .049	
TU-6H	5/8 X .049	
TU-6J	3/4 X .049	

TUBE SIZE	1/4	5/16	3/8	1/2	5/8	3/4
THREAD SIZE	7/16-24	1/2-24	17/32-24	11/16-20	13/16-18	1-18

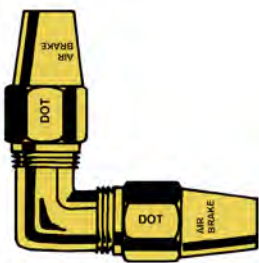
CONTINUED: "COPPER TUBING" AIR BRAKE COMPRESSION BRASS FITTINGS

270 - AIR BRAKE FEMALE ELBOW



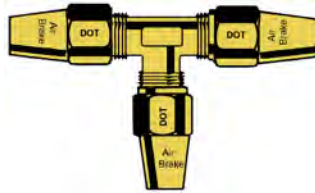
CAT. NO.	TUBE O.D.	FEMALE PIPE
270C	1/4 X 1/8	
270CC	1/4 X 1/4	
270CE	1/4 X 3/8	
270CF	1/4 X 1/2	
270D	5/16 X 1/8	
270DD	5/16 X 1/4	
270E	3/8 X 1/8	
270EE	3/8 X 1/4	
270EEE	3/8 X 3/8	
270F	1/2 X 3/8	
270FC	1/2 X 1/4	
270FF	1/2 X 1/2	
270FJ	1/2 X 3/4	
270H	5/8 X 1/2	
270HE	5/8 X 3/8	
270HJ	5/8 X 3/4	
270J	3/4 X 1/2	
270JJ	3/4 X 3/4	

265 - AIR BRAKE ELBOW



CAT. NO.	TUBE O.D.
265C	1/4
265D	5/16
265E	3/8
265F	1/2
265H	5/8
265J	3/4

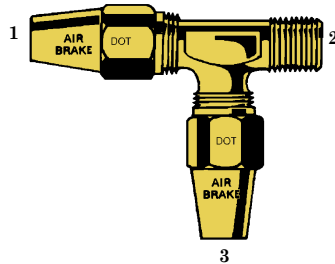
264 - AIR BRAKE TEE



CAT. NO.	TUBE O.D.
264C	1/4
264D	5/16
264E	3/8
264F	1/2
264H	5/8
264J	3/4

271 - AIR BRAKE MALE RUN TEE

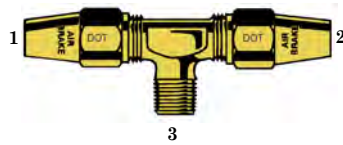
TUBE TO MALE PIPE TO TUBE



CAT. NO.	1,3 TUBE O.D.	2 MALE PIPE
271C	1/4 X 1/8	
271CC	1/4 X 1/4	
271D	5/16 X 1/8	
271DD	5/16 X 1/4	
271EE	3/8 X 1/4	
271EEE	3/8 X 3/8	
271F	1/2 X 3/8	
271FF	1/2 X 1/2	
271H	5/8 X 1/2	
271J	3/4 X 1/2	
271JJ	3/4 X 3/4	

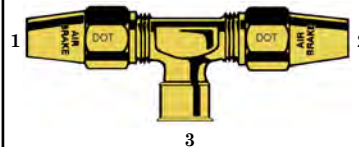
272 - AIR BRAKE BRANCH TEE

TUBE TO TUBE TO MALE PIPE



CAT. NO.	1,2 TUBE O.D.	3 MALE PIPE
272C	1/4 X 1/8	
272CC	1/4 X 1/4	
272D	5/16 X 1/8	
272DD	5/16 X 1/4	
272E	3/8 X 1/8	
272EE	3/8 X 1/4	
272EEE	3/8 X 3/8	
272EF	3/8 X 1/2	
272FC	1/2 X 1/4	
272F	1/2 X 3/8	
272FF	1/2 X 1/2	
272H	5/8 X 1/2	
272J	3/4 X 1/2	
272JJ	3/4 X 3/4	

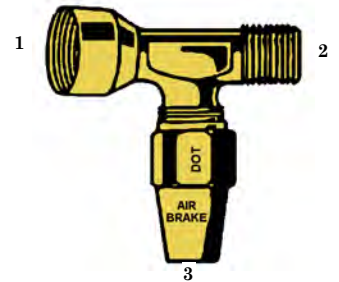
272S - AIR BRAKE FEMALE BRANCH TEE



CAT. NO.	1,2 TUBE O.D.	3 FEMALE PIPE
272SC	1/4 X 1/8	
272SF	1/2 X 3/8	
272SFA	1/2 X 1/8	
272SHA	5/8 X 1/8	

276 - AIR BRAKE TEE

FEMALE PIPE TO MALE PIPE TO TUBE



CAT. NO.	3 TUBE O.D.	1,2 FEMALE & MALE PIPE
276C	1/4 X 1/8	
276CC	1/4 X 1/4	
276D	5/16 X 1/8	
276EE	3/8 X 1/4	

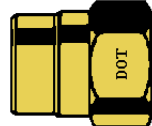
D.O.T. TRUCK AIR BRAKE REUSEABLE HOSE BRASS FITTINGS D.O.T.

360 - AIR BRAKE HOSE SLEEVE



CAT. NO.	HOSE O.D.	HOSE I.D.
360J	3/4 X 3/8	
360M	7/8 X 1/2	

361 - AIR BRAKE HOSE NUT



CAT. NO.	HOSE O.D.	HOSE I.D.
361J	3/4 X 3/8	
361M	7/8 X 1/2	

378 - AIR BRAKE HOSE CONNECTOR WITH SPRING GUARD



CAT. NO.	HOSE O.D.	HOSE I.D.	MALE PIPE
378JC	3/4	3/8	1/4
378JE	3/4	3/8	3/8
378JF	3/4	3/8	1/2
378ME	7/8	1/2	3/8
378MF	7/8	1/2	1/2

371 - AIR BRAKE HOSE NUT WITH SPRING GUARD ATTACHED



CAT. NO.	HOSE O.D.	HOSE I.D.
371J	3/4	3/8
371M	7/8	1/2

368 - AIR BRAKE HOSE CONNECTOR



CAT. NO.	HOSE O.D.	HOSE I.D.	MALE PIPE
368JC	3/4 X 3/8 X 1/4		
368JE	3/4 X 3/8 X 3/8		
368JF	3/4 X 3/8 X 1/2		
368ME	7/8 X 1/2 X 3/8		
368MF	7/8 X 1/2 X 1/2		

362 - AIR BRAKE HOSE UNION



CAT. NO.	HOSE O.D.	HOSE I.D.
362J	3/4 X 3/8	
362M	7/8 X 1/2	

371THR - AIR BRAKE HOSE NUT FOR SPRING GUARD ATTACHMENT



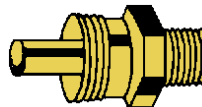
CAT. NO.	HOSE O.D.	HOSE I.D.
371THR-J	3/4 X 3/8	
371THR-M	7/8 X 1/2	

371SPR - AIR BRAKE HOSE SPRING GUARD ONLY



CAT. NO.	HOSE O.D.	HOSE I.D.
371SPR-J	3/4 X 3/8	
371SPR-M	7/8 X 1/2	

368-BO - AIR HOSE CONNECTOR BODY ONLY



CAT. NO.	HOSE O.D.	HOSE I.D.	MALE PIPE
368JC-BO	3/4X3/8X1/4		
368JE-BO	3/4X3/8X3/8		
368JF-BO	3/4X3/8X1/2		
368ME-BO	7/8X1/2X3/8		
368MF-BO	7/8X1/2X1/2		

ABH - (SAEJ1402) AIR BRAKE HOSE FOR REUSEABLE FITTINGS ON THIS PAGE 50', & 250' COILS



CAT. NO.	HOSE O.D.	HOSE I.D.
ABH50-J	3/4	3/8
SOLD IN 50ft COILS		
ABH250-J	3/4	3/8
SOLD IN 250ft COILS		
ABH50-M	7/8	1/2
SOLD IN 50ft COILS		
ABH250-M	7/8	1/2
SOLD IN 250ft COILS		



1. SLIDE NUT ONTO HOSE
2. SLIDE SLEEVE ONTO HOSE WITH TAPERED EDGE TOWARD FITTING BODY.
3. BOTTOM HOSE INTO FITTING
4. TIGHTEN NUT UNTIL IT CONTACTS BODY HEX
5. IF REASSEMBLING, DO NOT REUSE SLEEVE

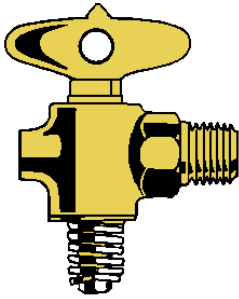
362-BO - AIR BRAKE HOSE UNION BODY ONLY



CAT. NO.	HOSE O.D.	HOSE I.D.
362J-BO	3/4 X 3/8	

AIR BRAKE TRUCK VALVES

18K - AIR BRAKE DRAIN COCK TEE HANDLE

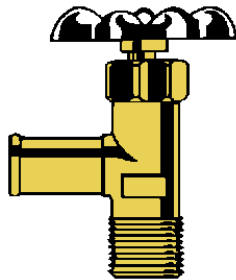


150 PSI MAX.

CAT. NO.	MALE PIPE
18KC	1/4

229K - TRUCK SHUT-OFF VALVE

BRASS BODY
WHEEL HANDLE

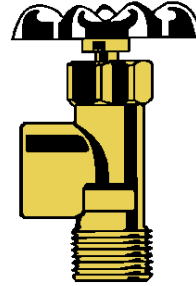


BRASS

150 PSI MAX.

CAT. NO.	HOSE I.D.	MALE PIPE
229KEEE	3/8 X 3/8	
229KF	1/2 X 3/8	
229KHE	5/8 X 3/8	
229KHF	5/8 X 1/2	
229KJE	3/4 X 3/8	
229KJF	3/4 X 1/2	

21 TRUCK VALVE OIL TANK VALVE FEMALE PIPE THREAD X MALE PIPE THREAD BRASS



CAT. NO.	FEMALE PIPE	MALE PIPE
21EEE	3/8 X 3/8	
21EF	3/8 X 1/2	
21FF	1/2 X 1/2	

18 - OIL TANK VALVE



150 PSI MAX

CAT. NO.	FLARE TUBE O.D.	MALE PIPE
18EEE	3/8 X 3/8	
18EF	3/8 X 1/2	
18EJ	3/8 X 3/4	
18FF	1/2 X 1/2	
18FJ	1/2 X 3/4	

**ADDITIONAL
TRUCK VALVES
SEE PAGES
43R & 44R**

TRANSMISSION "SUREGRIP" BRASS FITTINGS 1/8 & 5/32 SIZES (FOR USE WITH NYLON AIR BRAKE TUBING, SAEJ844)

660 - SUREGRIP SLEEVE



CAT. NO.	EATON/ FULLER #	TUBE O.D.
660A	83001	1/8
660AA	83002	5/32

662 - SUREGRIP UNION



CAT. NO.	EATON FULLER #	TUBE O.D.
662A	84101	1/8
662AA	84102	5/32

669 - SUREGRIP MALE ELBOW



CAT. NO.	EATON FULLER #	TUBE O.D.	MALE PIPE
669A	85002	1/8	1/8
669AS		1/8	1/16
669AA	85001	5/32	1/8

661 - SUREGRIP NUT



CAT. NO.	EATON FULLER #	TUBE O.D.
661A	83501	1/8
661AA	83502	5/32

668 - SUREGRIP MALE CONNECTOR



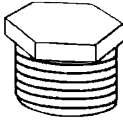
CAT. NO.	EATON FULLER #	TUBE O.D.	MALE PIPE
668A	84002	1/8	1/8
668AS	84001	1/8	1/16
668AA	84004	5/32	1/8
668AAS	84003	5/32	1/16



NYLON PIPE FITTINGS

BRASS GARDEN HOSE FITTINGS

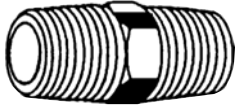
NY109X - NYLON HEX HEAD PIPE PLUG



NYLON

CAT. NO.	MALE PIPE
NY109XA	1/8
NY109XC	1/4
NY109XE	3/8
NY109XF	1/2
NY109XJ	3/4

NY112 - NYLON HEX NIPPLE



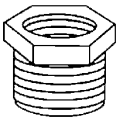
NYLON

CAT. NO.	MALE PIPE	MALE PIPE
NY112XA	1/8 X 1/8	
NY112XC	1/4 X 1/4	
NY112XE	3/8 X 3/8	
NY112XF	1/2 X 1/2	
NY112XJ	3/4 X 3/4	

REDUCING SIZES

NY112RCA	1/4X1/8
NY112REA	3/8X1/8
NY112REC	3/8X1/4
NY112RFC	1/2X1/4
NY112RFE	1/2X3/8
NY112RJE	3/4X3/8
NY112RJF	3/4X1/2

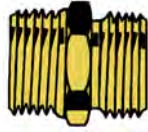
NY110 - NYLON HEX BUSHING



NYLON

CAT. NO.	MALE PIPE	FEMALE PIPE
NY110EE	3/8X1/4	
NY110FC	1/2X1/4	
NY110F	1/2X3/8	
NY110JC	3/4X1/4	
NY110JE	3/4X3/8	
NY110J	3/4X1/2	
NY110NF	1"X1/2	
NY110NJ	1"X3/4	
NY110PJ	1.25X3/4	
NY110PN	1.25X1"	
NY110QN	1.5X1"	
NY110QP	1.5X1.25	

748 - MALE GARDEN HOSE X MALE PIPE



CAT. NO.	MALE G.H.	MALE PIPE
748JE	3/4 X 3/8	
748JF	3/4 X 1/2	
748JJF*	3/4 X 3/4	

*1/2 FEM PIPE TAPPED

757 - MALE GARDEN HOSE X MALE GARDEN HOSE



CAT. NO.	MALE G.H.	MALE G.H.
757JJ	3/4 X 3/4	
757JJF	3/4 X 3/4 X	
	1/2 FEM PIPE*	

* TAPPED UNDER MALE
GARDEN HOSE THREAD

746 - MALE GARDEN HOSE X FEMALE PIPE



CAT. NO.	MALE G.H.	FEMALE PIPE
746JC	3/4 X 1/4	
746JE	3/4 X 3/8	
746JF	3/4 X 1/2	
746JJ	3/4 X 3/4	

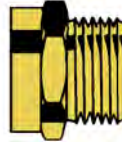
719-68 - GARDEN HSE X COMPRESSION



CAT. NO.	FEMALE G.H.	MALE COMPRESSION
719-68	3/4 X 1/4	

SUPPLIED WITH WASHER
ICE MAKER HOOK-UP

758 - FEMALE GARDEN HOSE X MALE PIPE



CAT. NO.	FEMALE G.H.	MALE PIPE
758JF	3/4 X 1/2	
758JJ	3/4 X 3/4	
758JJF*	3/4 X 3/4 X	

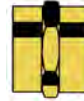
*1/2 FEM PIPE TAPPED

703S - SWIVEL FEMALE UNION



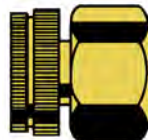
CAT. NO.	SWIVEL G.HOSE	SWIVEL G.HOSE
703SJJ	3/4 X 3/4	

756 - FEMALE GARDEN HOSE X FEMALE PIPE



CAT. NO.	FEMALE G.HOSE	FEMALE PIPE
756JF	3/4 X 1/2	
756JJ	3/4 X 3/4	

756S - SWIVEL FEMALE G.H. NUT X FEMALE PIPE



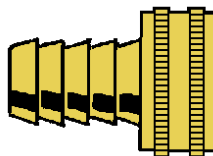
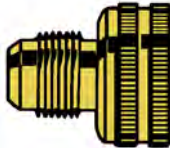
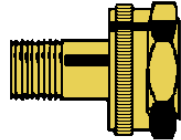
CAT. NO.	SWVL NUT	RIGID FEMALE PIPE
756SJF	3/4 X 1/2	
756SJJ	3/4 X 3/4	

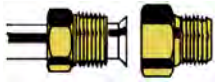
703 - UNION NON SWIVEL



CAT. NO.	FEMALE G.H.	FEMALE G.H.
703JJ	3/4 X 3/4	

Continued: BRASS GARDEN HOSE FITTINGS

700G - GARDEN HOSE WASHER BLACK  BLACK VINYL <table><tr><td>CAT. NO.</td><td>FEMALE GARDEN HOSE</td></tr><tr><td>700G</td><td>3/4</td></tr></table>	CAT. NO.	FEMALE GARDEN HOSE	700G	3/4	620 - HOSE BARB X FEMALE GARDEN HOSE SWIVEL NUT  SWIVEL <table><tr><td>CAT. NO.</td><td>HOSE I.D.</td><td>G.H. NUT</td></tr><tr><td>620CJ</td><td>1/4 X 3/4</td><td></td></tr><tr><td colspan="3">..... BARB LENGTH .65".....</td></tr><tr><td>620EJ*</td><td>3/8 X 3/4</td><td></td></tr><tr><td>620FJ*</td><td>1/2 X 3/4</td><td></td></tr><tr><td>620HJ*</td><td>5/8 X 3/4</td><td></td></tr><tr><td>620JJ*</td><td>3/4 X 3/4</td><td></td></tr><tr><td>620LFJ**</td><td>1/2 X 3/4</td><td></td></tr><tr><td>620LHJ**</td><td>5/8 X 3/4</td><td></td></tr><tr><td>620LJJ**</td><td>3/4 X 3/4</td><td></td></tr></table> * BARB LENGTH .875" WITH ROUND NUT (AS SHOWN) ** BARB LENGTH 1.19" WITH HEX NUT (NOT SHOWN)	CAT. NO.	HOSE I.D.	G.H. NUT	620CJ	1/4 X 3/4		 BARB LENGTH .65".....			620EJ*	3/8 X 3/4		620FJ*	1/2 X 3/4		620HJ*	5/8 X 3/4		620JJ*	3/4 X 3/4		620LFJ**	1/2 X 3/4		620LHJ**	5/8 X 3/4		620LJJ**	3/4 X 3/4		619 - HOSE BARB X MALE GARDEN HOSE  RIGID <table><tr><td>CAT. NO.</td><td>HOSE I.D.</td><td>MALE G.H.</td></tr><tr><td>619EJ*</td><td>3/8 X 3/4</td><td></td></tr><tr><td>619FJ*</td><td>1/2 X 3/4</td><td></td></tr><tr><td>619HJ*</td><td>5/8 X 3/4</td><td></td></tr><tr><td>619JJ*</td><td>3/4 X 3/4</td><td></td></tr><tr><td>619LFJ**</td><td>1/2 X 3/4</td><td></td></tr><tr><td>619LHJ**</td><td>5/8 X 3/4</td><td></td></tr><tr><td>619LJJ**</td><td>3/4 X 3/4</td><td></td></tr></table> * BARB LENGTH .92" ** BARB LENGTH 1.19"	CAT. NO.	HOSE I.D.	MALE G.H.	619EJ*	3/8 X 3/4		619FJ*	1/2 X 3/4		619HJ*	5/8 X 3/4		619JJ*	3/4 X 3/4		619LFJ**	1/2 X 3/4		619LHJ**	5/8 X 3/4		619LJJ**	3/4 X 3/4		676 - CONNECTOR FLARE X SWIVEL FEMALE GARDEN HOSE  FLARE TUBE SWIVEL G.H. NUT <table><tr><td>CAT. NO.</td><td>O.D.</td><td>G.H. NUT</td></tr><tr><td>676EJ</td><td>3/8 X 3/4</td><td></td></tr><tr><td>676FJ</td><td>1/2 X 3/4</td><td></td></tr></table>	CAT. NO.	O.D.	G.H. NUT	676EJ	3/8 X 3/4		676FJ	1/2 X 3/4	
CAT. NO.	FEMALE GARDEN HOSE																																																																					
700G	3/4																																																																					
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676EJ	3/8 X 3/4																																																																					
676FJ	1/2 X 3/4																																																																					
761 - NUT GARDEN HOSE  FEMALE GARDEN HOSE <table><tr><td>CAT. NO.</td><td>FEMALE GARDEN HOSE</td></tr><tr><td>761J</td><td>3/4</td></tr></table>	CAT. NO.	FEMALE GARDEN HOSE	761J	3/4	759 - Y MALE GARDEN HOSE X FEM. GARDEN HOSE  1 2 3 1&2 3 <table><tr><td>CAT. NO.</td><td>MALE G.HOSE</td><td>FEMALE G.HOSE</td></tr><tr><td>759J</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	MALE G.HOSE	FEMALE G.HOSE	759J	3/4 X 3/4		712 - MALE PIPE X SWIVEL FEMALE GARDEN HOSE  SWIVEL <table><tr><td>CAT. NO.</td><td>MALE PIPE</td><td>G.H. NUT</td></tr><tr><td>712CJR</td><td>1/4 X 3/4</td><td></td></tr><tr><td>712EJR</td><td>3/8 X 3/4</td><td></td></tr><tr><td>712FJR</td><td>1/2 X 3/4</td><td></td></tr></table>	CAT. NO.	MALE PIPE	G.H. NUT	712CJR	1/4 X 3/4		712EJR	3/8 X 3/4		712FJR	1/2 X 3/4		636 - CONNECTOR FLARE X FEMALE GARDEN HOSE NON-SWIVEL  FLARE TUBE RIGID FEMALE G.HOSE <table><tr><td>CAT. NO.</td><td>O.D.</td><td>FEMALE G.HOSE</td></tr><tr><td>636EJ</td><td>3/8 X 3/4</td><td></td></tr><tr><td>636FJ</td><td>1/2 X 3/4</td><td></td></tr><tr><td>636HJ</td><td>5/8 X 3/4</td><td></td></tr></table>	CAT. NO.	O.D.	FEMALE G.HOSE	636EJ	3/8 X 3/4		636FJ	1/2 X 3/4		636HJ	5/8 X 3/4																																		
CAT. NO.	FEMALE GARDEN HOSE																																																																					
761J	3/4																																																																					
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636HJ	5/8 X 3/4																																																																					
708 - CAP FEMALE GARDEN HOSE - SOLID TOP  FEMALE GARDEN HOSE <table><tr><td>CAT. NO.</td><td>FEMALE GARDEN HOSE</td></tr><tr><td>708J*</td><td>3/4</td></tr><tr><td>NY708J**</td><td>3/4</td></tr><tr><td>708JC***</td><td>3/4</td></tr></table> * BRASS ** NYLON *** BRASS WITH 12" CHAIN	CAT. NO.	FEMALE GARDEN HOSE	708J*	3/4	NY708J**	3/4	708JC***	3/4	709 - PLUG MALE GARDEN HOSE  MALE GARDEN HOSE <table><tr><td>CAT. NO.</td><td>MALE GARDEN HOSE</td></tr><tr><td>709J</td><td>3/4</td></tr></table>	CAT. NO.	MALE GARDEN HOSE	709J	3/4	2CD - EVAPORATIVE COOLER DRAIN WITH LOCK NUT AND GASKET MALE GARDEN HOSE X FEMALE PIPE  A B <table><tr><td>CAT. NO.</td><td>A MALE G.H.</td><td>B FEMALE PIPE</td></tr><tr><td>2CDJF</td><td>3/4 X 1/2</td><td></td></tr></table>	CAT. NO.	A MALE G.H.	B FEMALE PIPE	2CDJF	3/4 X 1/2		638 - CONNECTOR FLARE X MALE GARDEN HOSE NON-SWIVEL  FLARE TUBE RIGID MALE G.HOSE <table><tr><td>CAT. NO.</td><td>O.D.</td><td>MALE G.HOSE</td></tr><tr><td>638EJ</td><td>3/8 X 3/4</td><td></td></tr><tr><td>638FJ</td><td>1/2 X 3/4</td><td></td></tr><tr><td>638HJ</td><td>5/8 X 3/4</td><td></td></tr></table>	CAT. NO.	O.D.	MALE G.HOSE	638EJ	3/8 X 3/4		638FJ	1/2 X 3/4		638HJ	5/8 X 3/4																																						
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INVERTED FLARE BRASS FITTINGS

105 - INVERTED FLARE NUT

BRASS



CAT. NO.	TUBE O.D.
105A	1/8
105B	3/16
105C	1/4
105D	5/16
105E	3/8
105F	1/2

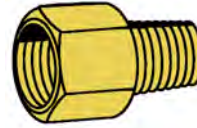
105L - LONG STEEL INVERTED FLARE NUT

LONG



CAT. NO.	TUBE O.D.
105LB	3/16
105LC	1/4

200 - MALE INVER. 202 CONNECTOR



CAT. NO.	INV. TUBE O.D.	MALE PIPE
202A	1/8 X 1/8	
200B	3/16 X 1/8	
200C	1/4 X 1/8	
200CC	1/4 X 1/4	
200D	5/16 X 1/8	
200DD	5/16 X 1/4	
202DE	5/16 X 3/8	
200E	3/8 X 1/8	
200EE	3/8 X 1/4	
200EEE	3/8 X 3/8	
202F	1/2 X 3/8	
202FC	1/2 X 1/4	
202FF	1/2 X 1/2	
202H	5/8 X 1/2	
202JJ	3/4 X 3/4	

353 - UNION 302 INVERTED



CAT. NO.	INV. TUBE O.D.
353A	1/8
353B	3/16
353C	1/4
353D	5/16
302E	3/8
353F	1/2

105S - INVERTED FLARE NUT

STEEL



CAT. NO.	TUBE O.D.
105SA	1/8
105SB	3/16
105SC	1/4
105SD	5/16
105SE	3/8
105SF	1/2
105SH	5/8
105SJ	3/4

409 - PLUG STEEL INVERTED FLARE

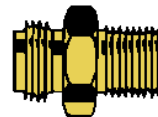
STEEL



CAT. NO.	TUBE O.D.
409BS	3/16
409CS	1/4
409DS	5/16
409ES	3/8

1514 - FUEL LINE ADAPTER

MALE INVERTED X MALE PIPE



CAT. NO.	TUBE O.D.	MALE PIPE
1514	5/16 (1/2-20)	X 1/8

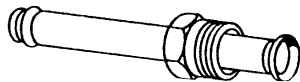
354 - UNION FOR IMPORTED VEHICLES FEM. INV. FLARE (BOTH ENDS)



STEEL

CAT. NO.	FEMALE SIZE	
354-1	3/8-24	STEEL
ISO FLARE - BRITISH LINE TO BRITISH LINE		
354-2	10-1.0mm	STEEL
BUBBLE FLARE EUROPEAN LINE TO EUROPEAN LINE		
354-3	10-1.0mm	BRASS
STANDARD FLARE JAPANESE LINE TO JAPANESE LINE		

1428 - ADAPTER 1429 - TRANSMISSION OIL COOLANT LINE



CAT. NO.	TUBE O.D.	TUBE LENGTH
1428	5/16	4 1/2"
1429	3/8	4 1/2"

250 - FEMALE CONNECTOR



CAT. NO.	INV. TUBE O.D.	FEMALE PIPE
250B	3/16 X 1/8	
250C	1/4 X 1/8	
250D	5/16 X 1/8	
250EE	3/8 X 1/4	
250F	1/2 X 3/8	

1441/2/3 - METRIC CONVERSION ADAPTER BRASS



CAT. NO.	FEM INV. SEAT	MALE
1441	3/16 INV FEM THRD X 3/16 BUBBLE FL MALE	
1442	3/16 FEM X M10X1.0 BUBBLE MALE THREAD	
1443	3/16 X (3/8-24) FEM THD X M10X1.0 INV MALE THD	

TUBE SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8
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

Continued: INVERTED FLARE BRASS FITTINGS

400 - ELBOW 402 90° INV.



CAT. NO.	INV. FLARE	
	TUBE O.D.	MALE PIPE
402A	1/8 X 1/8	
402B	3/16 X 1/8	
400C	1/4 X 1/8	
402CC	1/4 X 1/4	
400D	5/16 X 1/8	
402DD	5/16 X 1/4	
402E	3/8 X 1/8	
402EE	3/8 X 1/4	
402EEE	3/8 X 3/8	
402F	1/2 X 3/8	
402FC	1/2 X 1/4	
402FF	1/2 X 1/2	
402H	5/8 X 1/2	
402MJ	7/8 X 3/4	
402NN	1" X 1"	

240 - CONVERSION INVERTED FLARE ADAPTERS



CAT. NO.	FEMALE INV. FLARE		MALE INV. FLARE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
240BC		3/16 X 1/4		
240BD		3/16 X 5/16		

240B	3/16 FEMALE INV. X 9/16-18 MALE INV.
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240CB	1/4 X 3/16
240CD	1/4 X 5/16

240C	1/4 FEMALE INV. X 9/16-18 MALE INV.
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CAT. NO.	FEMALE INV. FLARE		MALE INV. FLARE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
240DC		5/16 X 1/4		
240DDD		5/16 X 5/16		
240DE		5/16 X 3/8		
240ED		3/8 X 5/16		

THE FOLLOWING SEAL ON HEX FACE FEM. INV. X MALE INV.



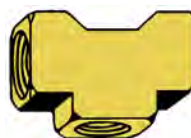
CAT. NO.	FEMALE INV. FLARE		MALE INV. FLARE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
240BD-HEX		3/16 X 5/16		
240CD-HEX		1/4 X 5/16		
240CG-20-HEX		1/4 X 7/16-20		
240DD-HEX		5/16 X 5/16		

C4 - FORD TRANSMISSION ADAPTER



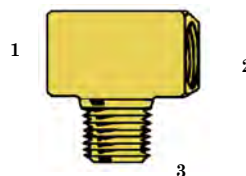
CAT. NO.	FEMALE INV. FLARE		MALE STRGHT. PIPE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
C4		5/16 X 1/8		

702 - UNION TEE



CAT. NO.	INV. FLARE TUBE	
	TUBE O.D.	FLARE TUBE
702A		1/8
702B		3/16
702C		1/4
702D		5/16
702E		3/8

600 - TEE INV. X MPT



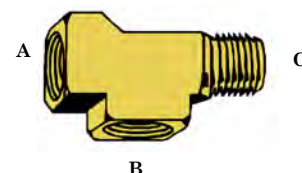
CAT. NO.	1,2 INV. FLARE		3 MALE PIPE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
600B		3/16 X 1/8		
600C		1/4 X 1/8		

1441 1442 -1443 7935 7936 - 7937 METRIC CONVERSION ADAPTER



CAT. NO.	A INV. SEAT		B MALE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
1441		3/16		3/8-24
1442		3/16 M10X1.0		BRITISH CARS
7935		3/16 M11X1.5		(3/8-24) GERMAN CARS
7936		3/16 M12X1.0		(M10X1.0)
7937		3/16 M13X1.5		(M10X1.0)
1443		3/16 M10X1.0		(3/8-24) JAPANESE CARS

7898 - 7900 7901 TOWED TRAILER BRAKE TEES FOR HYDRAULIC BRAKES



CAT. NO.	A FEM INV.		B FEM INV.		C MALE INV.	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
7898		1/4		1/4		1/4
7900		3/16		3/16		3/16
7901		1/4		3/16		1/4

450W - ELBOW INV. FLARE X FEMALE PIPE

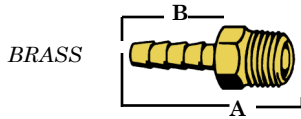


CAT. NO.	INV. FLARE.	
	TUBE O.D.	FEMALE PIPE
450WC		1/4 X 1/8
450WD		5/16 X 1/8
450WEE		3/8 X 1/4

BRASS / NYLON BARB FITTINGS

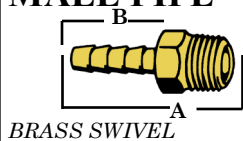
Intended for use with
hose clamps or crimp
type ferrules

220 - HOSE BARB X MALE PIPE



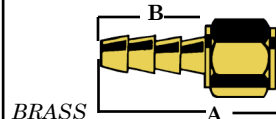
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
220A	1/8 X 1/8		1.06	.494
220AC	1/8 X 1/4		1.166	.504
220B	3/16 X 1/8		1.245	.686
220BB	3/16 X 1/4		1.479	.682
220C	1/4 X 1/8		1.502	.97
220CC	1/4 X 1/4		1.62	.97
220CE	1/4 X 3/8		1.64	.97
220CF	1/4 X 1/2		1.86	.97
220D	5/16 X 1/8		1.53	.99
220DD	5/16 X 1/4		1.75	.97
220DE	5/16 X 3/8		1.73	.97
220E	3/8 X 1/8		1.53	.97
220EE	3/8 X 1/4		1.64	.97
220EEE	3/8 X 3/8		1.63	.97
220EF	3/8 X 1/2		1.86	.97
220EJ	3/8 X 3/4		1.95	.97
220F	1/2 X 3/8		1.64	.97
220FC	1/2 X 1/4		1.638	.97
220FF	1/2 X 1/2		1.95	.97
220FJ	1/2 X 3/4		1.97	.97
220H	5/8 X 1/2		1.95	.97
220HC	5/8 X 1/4		1.63	.92
220HE	5/8 X 3/8		1.68	.97
220HJ	5/8 X 3/4		1.97	.95
220J	3/4 X 1/2		1.87	.93
220JE	3/4 X 3/8		2.03	1.26
220JJ	3/4 X 3/4		1.97	.97
220NF	1" X 1/2		1.80	.85
220NJ	1" X 3/4		2.195	1.10
220NN	1" X 1"		2.27	1.19

220SW - SWIVEL HOSE BARB X MALE PIPE



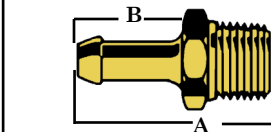
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
220SWCC	1/4 X 1/4		2.14	.96
220SWEE	3/8 X 1/4		2.13	1.03
220SWEEE	3/8 X 3/8		2.13	.97
220SWF	1/2 X 3/8		2.15	.97
220SWFF	1/2 X 1/2		2.36	.97
220SWJJ	3/4 X 3/4		2.35	.97

221 - HOSE BARB X FEMALE PIPE



CAT. NO.	HOSE I.D.	FEMALE PIPE	A	B
221A	1/8 X 1/8		.95	.50
221AC	1/8 X 1/4		1.18	.50
221B	3/16 X 1/8		1.20	.69
221BB	3/16 X 1/4		1.26	.69
221C	1/4 X 1/8		1.25	.75
221CC	1/4 X 1/4		1.32	.75
221CE	1/4 X 3/8		1.68	.98
221D	5/16 X 1/8		1.53	.96
221DD	5/16 X 1/4		1.63	.96
221DE	5/16 X 3/8		1.67	.98
221E	3/8 X 1/8		1.47	.95
221EE	3/8 X 1/4		1.53	.97
221EEE	3/8 X 3/8		1.60	.98
221EF	3/8 X 1/2		1.67	.97
221F	1/2 X 3/8		1.62	.97
221FC	1/2 X 1/4		1.61	.97
221FF	1/2 X 1/2		1.69	.97
221JJ	3/4 X 3/4		1.88	.96
221NJ	1" X 3/4		2.19	1.19
221NN	1" X 1"			

809 - HOSE BARB X MALE PIPE THREAD



CAT. NO.	HOSE I.D.	MALE PIPE	A	B
809B	3/16 X 1/8		1.06	.47
809C	1/4 X 1/8		1.24	.65
809CC	1/4 X 1/4		1.41	.70
809D	5/16 X 1/8		1.23	.70
809DD	5/16 X 1/4		1.33	.66
809E	3/8 X 1/8		1.34	.80
809EE	3/8 X 1/4		1.44	.80
809EEE	3/8 X 3/8		1.52	.78
809FC	1/2 X 1/4		1.49	.77
809F	1/2 X 3/8		1.66	.87
809HE	5/8 X 3/8		1.62	.87
809H	5/8 X 1/2		1.87	.82
809J	3/4 X 1/2		1.86	.88
809JJ	3/4 X 3/4		1.88	.87
809NJ	1" X 3/4		2.13	.97

222 - SPLICER



CAT. NO.	HOSE I.D.	A
222A	1/8	.97
222B	3/16	1.59
222C	1/4	1.99
222D	5/16	1.99
222E	3/8	1.98
222F	1/2	1.99
222H	5/8	1.99
222J	3/4	2.25
222N	1"	2.50

STAINLESS STEEL AVAILABLE

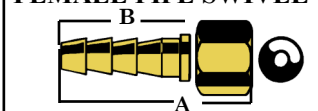
NY222 - NYLON



CAT. NO.	HOSE I.D.	A
NY222A	1/8	1.29
NY222B	3/16	1.41
NY222C	1/4	1.52
NY222D	5/16	1.62
NY222E	3/8	2.00
NY222F	1/2	2.00
NY222H	5/8	2.00
NY222J	3/4	2.36
NY222N	1"	2.34

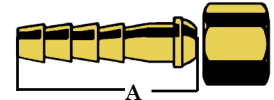
CAT. NO.	HOSE I.D.	HOSE I.D.
NY222RBA	3/16 X 1/8	1.34
NY222RCA	1/4 X 1/8	1.62
NY222RCB	1/4 X 3/16	1.15
NY222REC	3/8 X 1/4	2.05
NY222RFC	1/2 X 1/4	1.72
NY222RFE	1/2 X 3/8	2.03
NY222RHE	5/8 X 3/8	1.74
NY222RHF	5/8 X 1/2	2.03

227 - HOSE BARB WITH FLAT SEAT & WASHER X STRAIGHT FEMALE PIPE SWIVEL



CAT. NO.	HOSE I.D.	PIPE THREAD	A	B
227C	1/4 X 1/8		1.41	.97
227CC	1/4 X 1/4		1.50	.97
227EE	3/8 X 1/4		1.50	.97
227EEE	3/8 X 3/8		1.60	.97
227EF	3/8 X 1/2		1.66	.97
227F	1/2 X 3/8		1.60	.97
227FF	1/2 X 1/2		1.66	.97

225 - HOSE BARB BALL SEAT X STRAIGHT FEMALE PIPE SWIVEL



CAT. NO.	HOSE I.D.	STRAIGHT PIPE	A
225BB	3/16 X 1/4		1.17
225C	1/4 X 1/8		1.30
225CC	1/4 X 1/4		1.38
225DD	5/16 X 1/4		1.39
225EE	3/8 X 1/4		1.39
225EEE	3/8 X 3/8		1.40
225F	1/2 X 3/8		.97
225FF	1/2 X 1/2		1.42
225JJ	3/4 X 3/4		.97

228 - STRAIGHT MALE PIPE WITH BALL SEAT X TAPER MALE PIPE



CAT. NO.	STRT PIPE	TAPER PIPE
228A	1/8 X 1/8	
228C	1/4 X 1/8	
228CC	1/4 X 1/4	
228EE	3/8 X 1/4	
228EEE	3/8 X 3/8	
228EF	3/8 X 1/2	
228F	1/2 X 3/8	
228FF	1/2 X 1/2	
228JJ	3/4 X 3/4	

805NS - HOSE BARB X INVERTED FLARE RIGID



RIGID
INVERTED

CAT. NO.	HOSE I.D.	INV. FLARE NUT
805NSDD	5/16 X 1/4	
805NSDDD	5/16 X 5/16	
805NSDE	5/16 X 3/8	
805NSED	3/8 X 5/16	
805NSEEE	3/8 X 3/8	

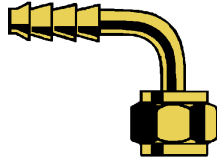
NYLON FITTINGS WORKING PRESSURE AT 73°F 150 PSI MAX TEMP 150°F

Intended for use with hose clamps or crimp type ferrules.

BRASS BARB FITTINGS

Intended for use with
hose clamps or crimp
type ferrules

640L -90° ELBOW HOSE BARB X FEMALE 45° FLARE SWIVEL NUT

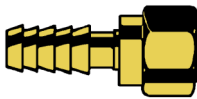


BRASS

FEM. 45°
FLARE

CAT. NO.	HOSE I.D.	SWIVEL NUT
640LCC	1/4 X 1/4	
640LEEE	3/8 X 3/8	

640 - HOSE BARB X FEMALE 45° FLARE SWIVEL NUT



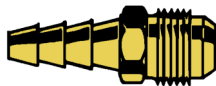
45° FLARE
BRASS

FEMALE

CAT. NO.	HOSE I.D.	FLARE SWIVEL NUT
640CC*	1/4 X 1/4	
640CE	1/4 X 3/8	
640DE	5/16 X 3/8	
640E	3/8 X 3/8	
640EF*	3/8 X 1/2	
640F*	1/2 X 1/2	
640FH*	1/2 X 5/8	
640HH	5/8 X 5/8	
640JJ	3/4 X 3/4	

* COMBINATION 37° & 45°
FLARE SEAT. ALL OTHERS
ARE 45° SEAT ONLY.
USE WITH GASKET #B2

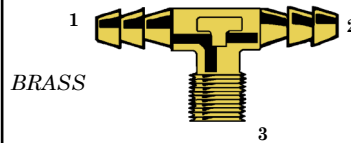
639 - HOSE BARB X 45° MALE FLARE



BRASS
45° FLARE

CAT. NO.	HOSE I.D.	FLARE O.D.
639CC	1/4 X 1/4	
639CE	1/4 X 3/8	
639E	3/8 X 3/8	
639F	1/2 X 1/2	

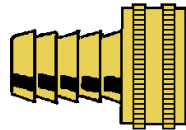
125Q - HOSE BARB TEE X MPT



BRASS

CAT. NO.	HOSE I.D.	MALE PIPE
125QEE	3/8 X 1/4	

620 - HOSE BARB X FEMALE GARDEN HOSE SWIVEL NUT



SWIVEL

CAT. NO.	HOSE I.D.	G.H. NUT
620CJ	1/4 X 3/4	
BARB LENGTH .65"		
620EJ*	3/8 X 3/4	
620FJ*	1/2 X 3/4	
620HJ*	5/8 X 3/4	
620JJ*	3/4 X 3/4	
620LFJ**	1/2 X 3/4	
620LHJ**	5/8 X 3/4	
620LJJ**	3/4 X 3/4	

* BARB LENGTH .92"
WITH ROUND NUT
(AS SHOWN)
** BARB LENGTH 1.19"
WITH HEX NUT
(NOT SHOWN)

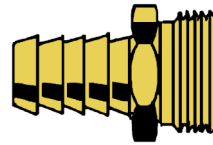
839 - HOSE BARB X 45° MALE FLARE



BRASS
45° FLARE

CAT. NO.	HOSE I.D.	FLARE O.D.
839EEE	3/8 X 3/8	

619 - HOSE BARB X MALE GARDEN HOSE

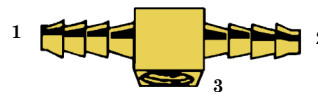


BRASS

CAT. NO.	HOSE I.D.	RIGID MALE G.HOSE
619EJ*	3/8 X 3/4	
619FJ*	1/2 X 3/4	
619HJ*	5/8 X 3/4	
619JJ*	3/4 X 3/4	
619LFJ**	1/2 X 3/4	
619LHJ**	5/8 X 3/4	
619LJJ**	3/4 X 3/4	

* BARB LENGTH .92"
** BARB LENGTH 1.19"

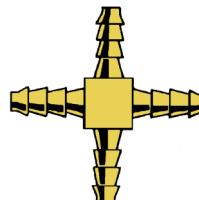
125P - HOSE BARB TEE X FEMALE PIPE



BRASS

CAT. NO.	HOSE I.D.	FEMALE PIPE
125PC	1/4 X 1/8	
125PCC	1/4 X 1/4	
125PD	5/16 X 1/8	
125PE	3/8 X 1/8	
125PEE	3/8 X 1/4	
125PEEE	3/8 X 3/8	

150 - HOSE BARB CROSS



BRASS

CAT. NO.	HOSE I.D. ALL ENDS
150C	1/4
150D	5/16
150E	3/8

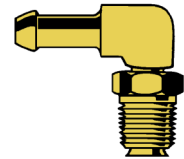
231 - HOSE BARB X FEMALE PIPE 90°



BRASS

CAT. NO.	HOSE I.D.	FEMALE PIPE
231C	1/4 X 1/8	
231CC	1/4 X 1/4	
231D	5/16 X 1/8	
231DD	5/16 X 1/4	
231E	3/8 X 1/8	
231EE	3/8 X 1/4	
231EEE	3/8 X 3/8	

815L - HOSE BARB 90° ELBOW X SWIVEL INVERTED FLARE

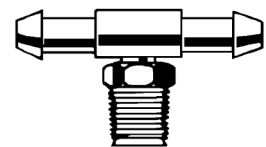


SWIVEL

SWIVEL
INV.

CAT. NO.	HOSE I.D.	FLARE NUT
815LCC	1/4 X 1/4	
815LCD	1/4 X 5/16	
815LDDD	5/16 X 5/16	
815LED	3/8 X 5/16	
815LEEE	3/8 X 3/8	

815T - HOSE BARB TEE X SWIVEL INVERTED FLARE



CHROME PLATED
SWIVEL

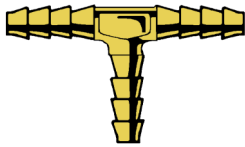
SWIVEL
INV.

CAT. NO.	HOSE I.D.	FLARE NUT
815TED-CP	3/8 X 5/16	
815TEEE	3/8 X 3/8	NOT PLATED

BRASS / NYLON BARB FITTINGS

Intended for use with
hose clamps or crimp
type ferrules

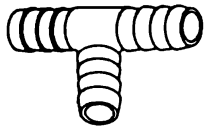
125 - TEE



BRASS

CAT. NO.	HOSE I.D. ALL ENDS
125A	1/8
125B	3/16
125C	1/4
125D	5/16
125E	3/8
125F	1/2
125H	5/8
125J	3/4
125N	1"

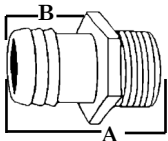
NY125 - NYLON HOSE BARB TEE



NYLON

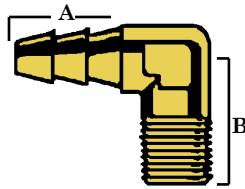
CAT. NO.	HOSE I.D. ALL ENDS
NY125A	1/8
NY125AA	5/32
NY125B	3/16
NY125C	1/4
NY125D	5/16
NY125E	3/8
NY125F	1/2
NY125H	5/8
NY125J	3/4
NY125N	1"

NY220 - NYLON HOSE BARB X MALE PIPE



CAT. NO.	HOSE I.D.	MALE PIPE	A	B
NY220C	1/4 X 1/8		1.67	.922
NY220CC	1/4 X 1/4		1.68	.938
NY220E	3/8 X 1/8		1.67	.956
NY220EE	3/8 X 1/4		1.68	1.11
NY220EF	3/8 X 1/2		1.76	.923
NY220F	1/2 X 3/8		1.88	.952
NY220FF	1/2 X 1/2		1.769	.937
NY220H	5/8 X 1/2		1.76	.952
NY220J	3/4 X 1/2		1.94	1.096
NY220JJ	3/4 X 3/4		2.04	1.072

220L -90° ELBOW HOSE BARB X MALE PIPE



DOUBLE BARB

BRASS

CAT. NO.	HOSE I.D.	MALE PIPE	A	B
220LB	3/16 X 1/8		.62	.96
220LC	1/4 X 1/8		.67	.92
220LCC	1/4 X 1/4		.67	.85
220LCE	1/4 X 3/8		.60	.94
220LD	5/16 X 1/8		.68	.75
220LDD	5/16 X 1/4		.66	.86
220LDE	5/16 X 3/8		.70	.94
220LE	3/8 X 1/8		.67	.74
220LEE	3/8 X 1/4		.67	.92
220LEEE	3/8 X 3/8		.72	.98
220LEF	3/8 X 1/2		.67	1.05
220LF	1/2 X 3/8		.67	.99
220LFC	1/2 X 1/4		.72	.99
220LFF	1/2 X 1/2		.91	1.20
220LH	5/8 X 1/2		.72	1.13
220LHE**	5/8 X 3/8		.90	.99
816J*	3/4 X 1/2		.82	1.10
220LJJ**	3/4 X 3/4		.86	1.25
220LNJ+	1" X 3/4		1.02	1.40
220LNN++	1" X 1"		1.25	1.40

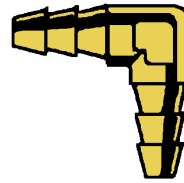
* SINGLE BARB

** TRIPLE BARB

+ 4-BARB

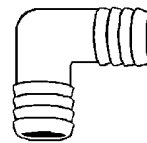
++ 5-BARB CASTING

235 - HOSE BARB 90° ELBOW



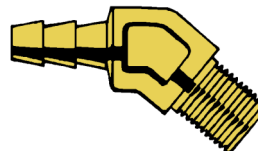
CAT. NO.	HOSE I.D.	HOSE I.D.
235CC	1/4 X 1/4	
235CD	1/4 X 5/16	
235DD	5/16 X 5/16	
235EEE	3/8 X 3/8	
235FF	1/2 X 1/2	

NY235 - NYLON HOSE BARB ELBOW



CAT. NO.	HOSE I.D. BOTH ENDS
NY235A	1/8
NY235C	1/4
NY235E	3/8
NY235F	1/2
NY235H	5/8
NY235J	3/4

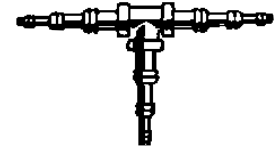
239 - 45° ELBOW HOSE BARB X MALE PIPE



BRASS

CAT. NO.	HOSE I.D.	MALE PIPE
239C	1/4 X 1/8	
239D	5/16 X 1/8	
239DD	5/16 X 1/4	
239E	3/8 X 1/8	
239EE	3/8 X 1/4	
239EEE	3/8 X 3/8	
239F	1/2 X 3/8	
239HE	5/8 X 3/8	

BU125R - UNIVERSAL BREAK AWAY TEE



ABS PLASTIC

CAT. NO.	HOSE I.D.'S
BU125R-ACE	1/8 I.D. - 1/4 I.D. - 3/8 I.D.

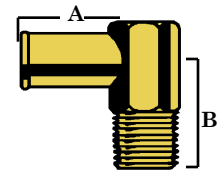
BU222R - UNIVERSAL BREAK AWAY SPLICER



ABS PLASTIC

CAT. NO.	HOSE I.D.'S
BU222R-ACE	1/8 I.D. - 1/4 I.D. - 3/8 I.D.

816 - HOSE BARB 90° ELBOW X MPT



RIGID PIPE

CAT. NO.	HOSE I.D.	MALE PIPE	A	B
816C	1/4 X 1/8		.50	.64
816D	5/16 X 1/8		.73	.68
816DD	5/16 X 1/4		.73	.80
816E	3/8 X 1/8		.85	.67
816EE	3/8 X 1/4		.85	.67
816EEE	3/8 X 3/8		.85	.99
816F	1/2 X 3/8		.83	.93
816HC	5/8 X 1/4		.77	.99
816HE	5/8 X 3/8		.83	.93
816H	5/8 X 1/2		.83	1.20
816J	3/4 X 1/2		.83	1.10
816JJ	3/4 X 3/4		.83	1.15

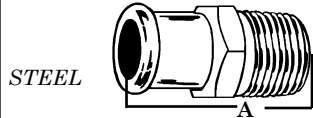
NYLON FITTINGS WORKING PRESSURE AT 73°F 150 PSI MAX TEMP 150°F

Intended for use with hose clamps or crimp type ferrules.

STEEL / BRASS HEATER FITTINGS

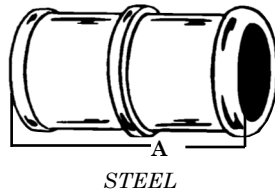
Intended for use with
hose clamps or crimp
type ferrules

HE220 - HEATER HOSE STEEL CONNECTOR HOSE X MALE PIPE



CAT. NO.	HOSE I.D.	MALE PIPE	A
HE220HE	5/8 X 3/8		1.50
HE220H	5/8 X 1/2		1.75
HE220J	3/4 X 1/2		1.75
HE220NF	1" X 1/2		2.00
HE220NJ (BRASS)	1" X 3/4		2.12

HE222 - HEATER HOSE SPLICER



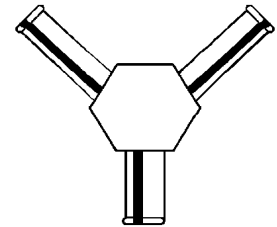
CAT. NO.	HOSE I.D.	A
HE222F	1/2	1.57
HE222H	5/8	1.57
HE222J	3/4	1.57

HE239 - HEATER HOSE 45° ELBOW HOSE X MALE PIPE



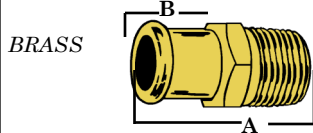
CAT. NO.	HOSE I.D.	MALE PIPE
HE239J	3/4 X 1/2	

HE125Y - HEATER HOSE STEEL "Y" (WYE) ALL ENDS HOSE



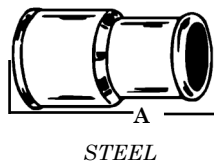
CAT. NO.	HOSE I.D.
HE125YH	5/8
HE125YJ	3/4

809 - WATER LINE CONNECTOR



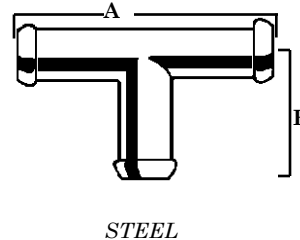
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
809B	3/16 X 1/8		1.06	.47
809C	1/4 X 1/8		1.24	.65
809CC	1/4 X 1/4		1.41	.70
809D	5/16 X 1/8		1.23	.70
809DD	5/16 X 1/4		1.33	.66
809E	3/8 X 1/8		1.34	.80
809EE	3/8 X 1/4		1.44	.80
809EEE	3/8 X 3/8		1.52	.78
809FC	1/2 X 1/4		1.49	.77
809F	1/2 X 3/8		1.66	.87
809HE	5/8 X 3/8		1.62	.87
809H	5/8 X 1/2		1.87	.82
809J	3/4 X 1/2		1.86	.88
809JJ	3/4 X 3/4		1.88	.87
809NJ	1" X 3/4		2.13	.97

HE222R - HEATER HOSE REDUCING SPLICER



CAT. NO.	HOSE I.D.	HOSE I.D.	A
HE222RHF	5/8 X 1/2		1.50
HE222RJH	3/4 X 5/8		1.50
HE222RNJ	1" X 3/4		1.50

HE125 - HEATER HOSE TEE ALL ENDS HOSE



CAT. NO.	HOSE I.D.	A	B
HE125H	5/8	2.88	1.25
HE125J	3/4	2.68	1.20

229K - TRUCK SHUT-OFF VALVE

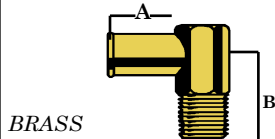
BRASS BODY
WHEEL HANDLE



BRASS
150 PSI MAX.

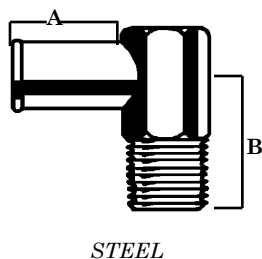
CAT. NO.	HOSE I.D.	MALE PIPE
229KEEE	3/8 X 3/8	
229KF	1/2 X 3/8	
229KHE	5/8 X 3/8	
229KHF	5/8 X 1/2	
229KJE	3/4 X 3/8	
229KJF	3/4 X 1/2	

816 - WATER LINE ELBOW



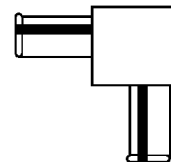
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
816C	1/4 X 1/8		.50	.64
816D	5/16 X 1/8		.73	.68
816DD	5/16 X 1/4		.73	.80
816E	3/8 X 1/8		.85	.67
816EE	3/8 X 1/4		.85	.67
816EEE	3/8 X 3/8		.85	.99
816F	1/2 X 3/8		.83	.93
816HC	5/8 X 1/4		.77	.99
816HE	5/8 X 3/8		.83	.93
816H	5/8 X 1/2		.83	1.20
816J	3/4 X 1/2		.83	1.10
816JJ	3/4 X 3/4		.83	1.15

HE229 - HEATER HOSE 90° ELBOW HOSE X MALE PIPE



CAT. NO.	HOSE I.D.	MALE PIPE	A	B
HE229HE	5/8 X 3/8		.96	1.38
HE229H	5/8 X 1/2		1.0	1.50
HE229JE	3/4 X 3/8		.85	1.30

HE235 - HEATER HOSE 90° ELBOW

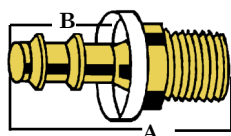


CAT. NO.	HOSE I.D.
HE235H	5/8 X 5/8
HE235HJ	5/8 X 3/4
HE235J	3/4 X 3/4

**ADDITIONAL
VALVES ARE
AVAILABLE
ON PAGE 43R & 44R**

BRASS STAYPUT BARB FITTINGS* PUSH-ON TYPE

920 - HOSE STAYPUT BARB X MALE PIPE

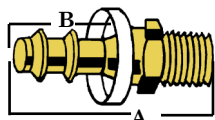


PUSH ON				
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
920C	1/4 X 1/8		1.42	.87
920CC	1/4 X 1/4		1.66	.87
920CE	1/4 X 3/8		1.65	.86
920D	5/16 X 1/8		1.41	.86
920DD	5/16 X 1/4		1.54	.87
920E	3/8 X 1/8		1.54	.95
920EE	3/8 X 1/4		1.60	.89
920EEE	3/8 X 3/8		1.62	.87
920EF	3/8 X 1/2		1.67	.87
920F	1/2 X 3/8		1.73	.96
920FC	1/2 X 1/4		1.85	1.05
920FF	1/2 X 1/2		1.80	.97
920FJ	1/2 X 3/4		1.96	.96
920H	5/8 X 1/2		1.82	.98
920HE	5/8 X 3/8		2.34	1.54
920HJ	5/8 X 3/4		2.45	1.44
920J	3/4 X 1/2		2.42	1.43
920JJ	3/4 X 3/4		2.44	1.40
920NJ	1" X 3/4		2.92	1.54
920NN	1" X 1"		3.11	1.50

SWIVEL

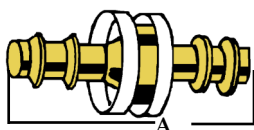
920SWCC	1/4 X 1/4	2.03	.87
920SWEE	3/8 X 1/4	2.12	.97
920SWEEE	3/8 X 3/8	2.12	.97
920SWF	1/2 X 3/8	2.12	.97
920SWFF	1/2 X 1/2	2.33	.97
920SWJJ	3/4 X 3/4	2.80	1.45

905 - HOSE STAYPUT BARB X INV. NUT



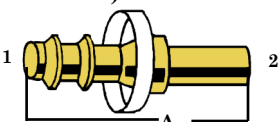
PUSH ON INV. SWIVEL				
CAT. NO.	HOSE I.D.	FLARE NUT	A	B
905CB	1/4 X 3/16		1.52	.77
905CC	1/4 X 1/4		1.55	.87
905CD	1/4 X 5/16		1.62	.88
905DC	5/16 X 1/4		1.56	.87
905DDD	5/16 X 5/16		1.57	.91
905DE	5/16 X 3/8		1.67	.95
905ED	3/8 X 5/16		1.72	.97
905EEE	3/8 X 3/8		1.77	.97
905FF	1/2 X 1/2		1.96	1.02

922 - HOSE STAYPUT BARB SPLICER



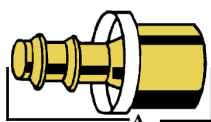
CAT. NO.	PUSH ON HOSE I.D.	A
922C	1/4	1.81
922D	5/16	1.80
922E	3/8	1.81
922F	1/2	1.99
922H	5/8	2.01
922J	3/4	3.03

922T- HOSE STAYPUT BARB X TUBING PUSH-ON HOSE TO COPPER TUBE (USE WITH COMPRESSION FITTINGS)



CAT. NO.	PUSH ON HOSE I.D.	TUBE O.D.	A
922TCB	1/4 X 3/16		1.65
922TCC	1/4 X 1/4		1.88
922TCD	1/4 X 5/16		1.88
922TEEE	3/8 X 3/8		2.05
922TFF	1/2 X 1/2		2.13

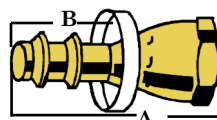
900 - HOSE STAYPUT BARB X FEM. INV. FLARE



PUSH ON RIGID ON FEM. INV. FLARE				
CAT. NO.	HOSE I.D.	FLARE	A	
900CB	1/4 X 3/16		1.17	
900CC	1/4 X 1/4		1.17	
900CD	1/4 X 5/16		1.19	
900ED	3/8 X 5/16		1.32	
900EEE	3/8 X 3/8		1.40	
900FF	1/2 X 1/2		1.54	

940 - HOSE STAYPUT BARB X 45° SWIVEL FLARE NUT

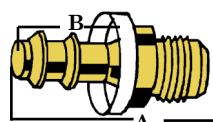
USE #B2 GASKET (NOT INCL.)



PUSH ON 45° HOSE FLARE NUT				
CAT. NO.	HOSE I.D.	FLARE	A	B
940CC*	1/4 X 1/4		1.53	.71
940CD	1/4 X 5/16		1.54	.88
940CE	1/4 X 3/8		1.60	.85
940DDD	5/16 X 5/16		1.54	.87
940DE	5/16 X 3/8		1.60	.77
940EEE	3/8 X 3/8		1.72	.98
JB940EEE**	3/8 X 3/8		1.70	.99
940EF*	3/8 X 1/2		1.75	.96
940F	1/2 X 3/8		1.72	.98
940FF*	1/2 X 1/2		1.75	.95
940FH*	1/2 X 5/8		1.84	.97
940HF*	5/8 X 1/2		1.45	
940HH**	5/8 X 5/8		2.33	1.45
940JJ	3/4 X 3/4		2.38	1.52
JB940JJ**	3/4 X 3/4		2.40	1.46

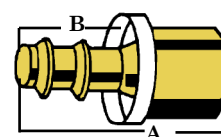
* COMBINATION 37° & 45° FLARE SEAT
** 37° FLARE NUT
OTHER SIZES ARE 45° SEAT

939 - HOSE STAYPUT BARB X MALE FLARE



PUSH ON 45° HOSE MALE FLARE				
CAT. NO.	HOSE I.D.	FLARE	A	B
939CC	1/4 X 1/4		1.50	.80
939CD	1/4 X 5/16		1.61	.80
939DDD	5/16 X 5/16		1.60	
939EEE	3/8 X 3/8		1.83	.96
939FF	1/2 X 1/2		2.12	1.02

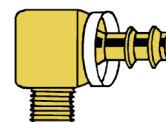
903 - HOSE STAYPUT BARB X FEM. PIPE



RIGID

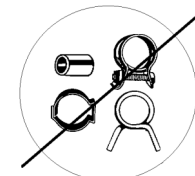
PUSH ON RIGID. HOSE FEM. PIPE				
CAT. NO.	HOSE I.D.	PIPE	A	B
903CA	1/4 X 1/8		1.327	.83
903CC	1/4 X 1/4		1.52	.85
903CE	1/4 X 3/8		1.50	.81
903EE	3/8 X 1/4		1.62	.98
903EEE	3/8 X 3/8		1.61	.98
903F	1/2 X 3/8		1.62	.98
903FF	1/2 X 1/2		1.77	.98

929L - HOSE STAYPUT BARB X MALE PIPE



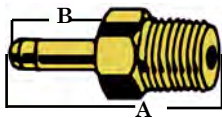
PUSH ON RIGID. HOSE MALE PIPE		
CAT. NO.	HOSE I.D.	PIPE
929LC	1/4 X 1/8	
929LCC	1/4 X 1/4	
929LD	5/16 X 1/8	
929LDD	5/16 X 1/4	
929LE	3/8 X 1/8	
929LEE	3/8 X 1/4	
929LEEE	3/8 X 3/8	
929LF	1/2 X 3/8	
929LFF	1/2 X 1/2	
929LJJ	3/4 X 3/4	

* FITTINGS ON THIS PAGE ARE FOR PUSH-ON TYPE HOSE, AND DO NOT REQUIRE THE USE OF CLAMPS UNDER LOW PRESSURE. ALL ARE SUPPLIED WITH YELLOW PLASTIC COLLARS.



POLY HOLD BRASS FITTINGS (FOR POLY TUBING)

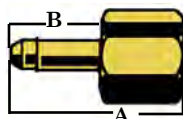
P220 - POLY TUBING BARB X MALE PIPE



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	MALE PIPE	A	B
P220C16	1/4	.170	1/116	.93	.42
P220C	1/4	.170	1/8	.96	.42
P220CC	1/4	.170	1/4	1.09	.41
P220E	3/8	.250	1/8	.99	.44
P220EE	3/8	.250	1/4	1.28	.49
P220F	1/2	.375	3/8	1.38	.63

P221 - POLY TUBING BARB X FEMALE PIPE



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	FEM PIPE	A	B
P221C	1/4	.170	1/8	.91	.41
P221CC	1/4	.170	1/4	1.25	.50
P221E	3/8	.250	1/8	.93	.45
P221EE	3/8	.250	1/4	1.06	.44
P221F	1/2	.375	3/8	1.32	.63

P222 - POLY TUBING UNION



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE O.D.	POLY TUBE I.D.	A
P222C	1/4	1/4	.170	.84
P222EC	3/8	1/4		.87
		(.250 I.D. X .170 I.D.)		
P222E	3/8	3/8	.250	.95
P222F	1/2	1/2	.375	1.19
P222FE	1/2	3/8		1.06
		(.375 I.D. X .250 I.D.)		

SPECIFICATIONS:

INSTRUCTIONS: Cut poly tubing square and push to shoulder of fitting. Tubing clamps **NOT** required when used on poly tubing within ranges stated below.

MAX WORKING PRESSURE AT 70° F

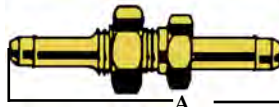
1/4 O.D. 130 PSI

3/8 O.D. 130 PSI

1/2 O.D. 80 PSI



PL222 - POLY TUBING UNION BULKHEAD



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	A
PL222C	1/4	.170	1.38
PL222E	3/8	1/4	1.63

P235 - POLY TUBING ELBOW



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.
P235C	1/4	.170
P235E	3/8	1/4
P235F	1/2	3/8

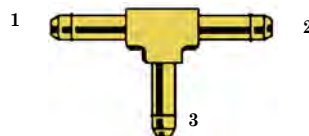
P220L - POLY TUBING ELBOW X MALE PIPE



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	MALE PIPE
P220LC	1/4	.170	1/8
P220LCC	1/4	.170	1/4
P220LE	3/8	.250	1/8
P220LEE	3/8	.250	1/4
P220LF	1/2	.375	3/8

P125 - POLY TUBING TEE



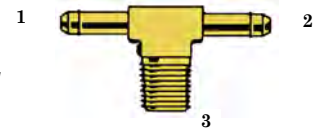
BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.
P125C	1/4	.170
P125E	3/8	1/4
P125F	1/2	3/8

REDUCING SIZES (O.D.)

	1	2	3
P125EEC	3/8	X 3/8	X 1/4
P125FFE	1/2	X 1/2	X 3/8

P125Q - POLY TUBING BRANCH TEE X MALE PIPE



BRASS

CAT. NO.	1,2 POLY TUBE O.D.	POLY TUBE I.D.	3 MALE PIPE
P125QC	1/4	.170	1/8
P125QE	3/8	.250	1/8
P125QEE	3/8	.250	1/4

P1032 - CONNECTOR VINYL TUBING X 10-32 UNF STRAIGHT



10/32 UNF

CAT. NO.	VINYL TUBE O.D.	VINYL TUBE I.D.
P1032A	1/8 X 1/16	
P1032C	1/4 X 1/8	

MALE THREAD IS 10-32 UNF STRAIGHT.

PLUG1 - PLUG FOR POLYETHYLENE TUBING

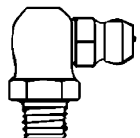
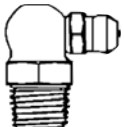
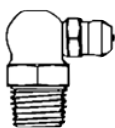


CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.
PLUG1-C	1/4	.170
PLUG1-E	3/8	.250

WELDING MULTI-BARB BRASS HOSE FITTINGS

224R - RIGHT HAND SWIVEL NUT WELDING CONNECTOR 1  2 2  1 CAT. HOSE FEM. NO. I.D. THD. 224CR* 1/4 X 9/16-18 224DR* 5/16 X 9/16-18 224ER* 3/8 X 9/16-18 *RIGHT HAND WELDING THREAD	223L - LEFT HAND WELDING CONNECTOR LEFT HAND THREAD WITH BALL SEAT X TAPER MALE PIPE  LEFT HAND CAT. LEFT MALE NO. HAND PIPE 223LC* 9/16-18 X 1/4 223LE* 9/16-18 X 3/8 *LEFT HAND WELDING THREAD	1601 - STANDARD POL NUT  CAT. NO. SIZE 1601 7/8" HEX 1" LONG
224L - LEFT HAND SWIVEL NUT WELDING CONNECTOR 1  2 2  1 CAT. HOSE FEMALE NO. I.D. THREAD. 224CL* 1/4 X 9/16-18 224DL* 5/16 X 9/16-18 224EL* 3/8 X 9/16-18 *LEFT HAND WELDING THREAD	232R - RIGHT HAND WELDING UNION WITH BALL SEAT BOTH ENDS  RIGHT HAND CAT. BOTH ENDS NO. RIGHT HAND 232R* 9/16-18 RIGHT HAND WELD THD.	1605 - LONG POL NIPPLE X MALE PIPE  CAT. NO. SIZE 1605 2.34" LONG 1/4 MALE PIPE
223R - RIGHT HAND WELDING CONNECTOR RIGHT HAND THREAD WITH BALL SEAT X TAPER MALE PIPE  RIGHT HAND CAT. RIGHT MALE NO. HAND PIPE 223RC* 9/16-18 X 1/4 223RE* 9/16-18 X 3/8 *RIGHT HAND WELDING THREAD	232L - LEFT HAND WELDING UNION WITH BALL SEAT BOTH ENDS  LEFT HAND CAT. BOTH ENDS NO. LEFT HAND 232L* 9/16-18 LEFT HAND WELD THD.	6486 - CONVERSION  CAT. NO. DESCRIPTION 6486E 3/8 MALE COMP X 9/16-24 FEM FLARE

STEEL GREASE FITTINGS

CAT. NO.	CAT. NO.	CAT. NO.	LIST /100	12GR - GREASE FITTING ASSORTMENT  CAT. NO. _____ 12GR 115 PCS <u>CONTENTS:</u> 10 - 7000 10 - 7100 10 - 7200 10 - 7300 10 - 7400 10 - 7010 10 - 7014 10 - 7210 10 - 7410 10 - 7050 5 - 7350 10 - 7029																																																					
<u>1/8 MALE PIPE</u> 1/8 MALE PIPE  7000 .69" LENGTH	<u>1/4-28</u> 45° 1/4-28 SHORT THREAD  7210 .81" LENGTH	5/16-24 THREAD  7061 .66" LENGTH																																																							
1/8 MALE PIPE  7003 1.25" LENGTH	<u>1/4-28</u> 90° 1/4-28 SHORT THREAD  7410 .75" LENGTH	3/8-24 THREAD  7062 .62" LENGTH																																																							
30° 1/8 MALE PIPE  7100 .91" LENGTH	<u>1/4 MALE PIPE</u> 1/4 MALE PIPE  7050 .88" LENGTH	METRIC SIZES  CAT. NO. SIZE 8600 6MM 8800 8MM 8100 10MM	CROSS REFERENCE <table><tr><th>COUPLINGS ITEM #</th><th>ALEMITE ITEM #</th><th>LINCOLN ITEM #</th></tr><tr><td>7000</td><td>1610B</td><td>5000</td></tr><tr><td>7003</td><td>1607B</td><td>5003</td></tr><tr><td>7100</td><td>1611B</td><td>5100</td></tr><tr><td>7200</td><td>1688B</td><td>5200</td></tr><tr><td>7300</td><td>1612B</td><td>5300</td></tr><tr><td>7400</td><td>1613B</td><td>5400</td></tr><tr><td>7010</td><td>1641B</td><td>5010</td></tr><tr><td>7014</td><td>1680B</td><td>5014</td></tr><tr><td>7210</td><td>1637B</td><td>5210</td></tr><tr><td>7410</td><td>1911B</td><td>5410</td></tr><tr><td>7050</td><td>1627B</td><td>5050</td></tr><tr><td>7350</td><td>1629B</td><td>5350</td></tr><tr><td>7033</td><td>1728B</td><td>5033</td></tr><tr><td>7029</td><td>1743B</td><td>5029</td></tr><tr><td>7030</td><td>1699B</td><td>5030</td></tr><tr><td>7061</td><td>1711B</td><td>5061</td></tr><tr><td>7062</td><td>1710B</td><td>5062</td></tr></table>		COUPLINGS ITEM #	ALEMITE ITEM #	LINCOLN ITEM #	7000	1610B	5000	7003	1607B	5003	7100	1611B	5100	7200	1688B	5200	7300	1612B	5300	7400	1613B	5400	7010	1641B	5010	7014	1680B	5014	7210	1637B	5210	7410	1911B	5410	7050	1627B	5050	7350	1629B	5350	7033	1728B	5033	7029	1743B	5029	7030	1699B	5030	7061	1711B	5061	7062	1710B
COUPLINGS ITEM #	ALEMITE ITEM #			LINCOLN ITEM #																																																					
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7030	1699B	5030																																																							
7061	1711B	5061																																																							
7062	1710B	5062																																																							
45° 1/8 MALE PIPE  7200 .89" LENGTH	<u>1/4 MALE PIPE</u> 65° 1/4 MALE PIPE  7350 .88" LENGTH	METRIC 45°  CAT. NO. SIZE 8645 6MM 8845 8MM 8104 10MM	INTERCHANGE NUMBERS FOR REFERENCE ONLY. NOTE: LENGTHS SHOWN ARE APPROXIMATE.																																																						
65° 1/8 MALE PIPE  7300 .84" LENGTH	DRIVE TYPE 3/16 DRIVE TYPE  7033 .52" LENGTH			METRIC 90°  CAT. NO. SIZE 8690 6MM 8890 8MM 8109 10MM																																																					
90° 1/8 MALE PIPE  7400 .84" LENGTH	DRIVE TYPE 1/4 DRIVE TYPE  7029 .55" LENGTH																																																								
<u>1/4-28</u> 1/4-28 SHORT  7010 .55" LENGTH	DRIVE TYPE 5/16 DRIVE TYPE  7030 .55" LENGTH																																																								
<u>1/4-28</u> 1/4-28 LONG  7014 .97" LENGTH																																																									

CROSS REFERENCE

COUPLINGS ITEM #	ALEMITE ITEM #	LINCOLN ITEM #
7000	1610B	5000
7003	1607B	5003
7100	1611B	5100
7200	1688B	5200
7300	1612B	5300
7400	1613B	5400
7010	1641B	5010
7014	1680B	5014
7210	1637B	5210
7410	1911B	5410
7050	1627B	5050
7350	1629B	5350
7033	1728B	5033
7029	1743B	5029
7030	1699B	5030
7061	1711B	5061
7062	1710B	5062

INTERCHANGE NUMBERS FOR REFERENCE ONLY.

NOTE: LENGTHS SHOWN ARE APPROXIMATE.

STEEL BRAKE LINES

3/16 O.D. LINE PACKED 10 PER BAG

ORDER IN MULTIPLES OF 10

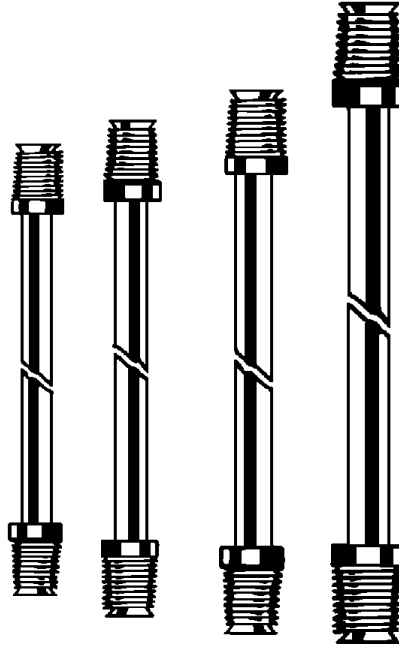
CAT. NO.	LENGTH
308	8"
312	12"
320	20"
330	30"
340	40"
351	51"
360	60"

1/4 O.D. LINE PACKED 10 PER BAG

ORDER IN MULTIPLES OF 10

CAT. NO.	LENGTH
408	8"
412	12"
420	20"
430	30"
440	40"
451	51"
460	60"

DOUBLE WALL (.028)
ZINC PLATED LINES
DOUBLE ANNEALED SEAMS



5/16 O.D. LINE PACKED 5 PER BAG

ORDER IN MULTIPLES OF 5

CAT. NO.	LENGTH
508	8"
512	12"
520	20"
530	30"
540	40"
551	51"
560	60"

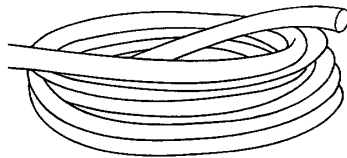
3/8 O.D. LINE PACKED 5 PER BAG

ORDER IN MULTIPLES OF 5

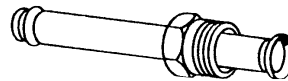
CAT. NO.	LENGTH
608	8"
612	12"
620	20"
630	30"
640	40"
651	51"
660	60"

STEEL BRAKE TUBING 25 FOOT AUTOMOTIVE GRADE
ZINC PLATED DOUBLE WALL THICKNESS .028
DOUBLE ANNEALED SEAMS. SOLD IN 25FT COILS.
NOT BOXED INDIVIDUALLY. ORDER BY COIL

CATALOG NUMBER	TUBE O.D.
ST1-B	3/16
ST1-C	1/4
ST1-D	5/16
ST1-E	3/8



1428 - ADAPTER TRANSMISSION 1429 - OIL COOLANT LINE



CAT. NO.	TUBE O.D.	INVERTED NUT	TUBE LENGTH
1428	5/16	5/16	4 1/2"
1429	3/8	5/16	4 1/2"

1441 1442 1443 METRIC CONVERSION BRASS FITTINGS. WILL REPLACE METRIC BRAKE LINES WHEN SCREWED ONTO 3/16" O.D. DOMESTIC LINES

1441 - 3/16 FEM. INVERTED. FLARE
X 3/16 BUBBLE FLARE MALE THREAD.

1442 - 3/16 FEM INV FLARE X M10 X 1.0
BUBBLE MALE THREAD

1443 - 3/16 FEM INV FLARE X M10 X 1.0
INVERTED FLARE MALE THREAD.



TU-1 - SOFTAUTOMOTIVE COPPER TUBING

SOLD IN 25 FT. COILS BOXED
INDIVIDUALLY ORDER BY COIL

CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-1A	1/8	.030
TU-1AA	5/32	.030
TU-1B	3/16	.030
TU-1C	1/4	.030
TU-1D	5/16	.032
TU-1E	3/8	.032
TU-1F	1/2	.032
TU-1G	7/16	.032
TU-1H	5/8	.035
TU-1J	3/4	.035

BRASS AIR COCKS - 100 PSI MAX (FOR AIR USE ONLY)

307L -AIR DRAIN COCK LEVER HANDLE ROUND SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
307LA	1/8
307LC	1/4

308T -AIR DRAIN COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
308TA	1/8
308TC	1/4
308TE	3/8
308TF	1/2

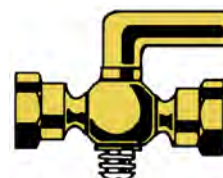
348T -AIR COCK TEE HANDLE ROUND SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE & MALE PIPE
348TA	1/8
348TC	1/4
348TE	3/8
348TF	1/2

431L -AIR COCK LEVER HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE PIPE
431LA	1/8
431LC	1/4
431LE	3/8
431LF	1/2

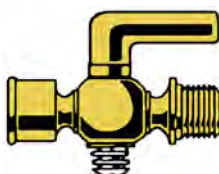
308L -AIR DRAIN COCK LEVER HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
308LA	1/8
308LC	1/4
308LE	3/8
308LF	1/2
308LJ	3/4

348L -AIR COCK LEVER HANDLE ROUND SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE & MALE PIPE
348LA	1/8
348LC	1/4
348LE	3/8
348LF	1/2

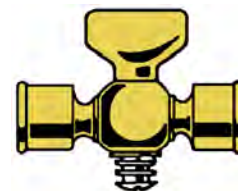
448T -AIR COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE & MALE PIPE
448TA	1/8
448TC	1/4
448TE	3/8

331T -AIR COCK TEE HANDLE ROUND SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE PIPE
331TA	1/8
331TC	1/4
331TE	3/8

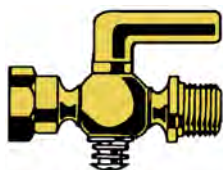
307T -AIR DRAIN COCK TEE HANDLE ROUND SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
307TA	1/8
307TC	1/4

448L -AIR COCK LEVER HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE & MALE PIPE
448LA	1/8
448LC	1/4
448LE	3/8
448LF	1/2

331L -AIR COCK LEVER HANDLE ROUND SHOULDER

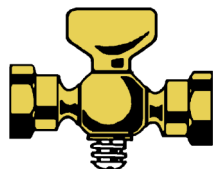


100 PSI MAX.

CAT. NO.	FEMALE PIPE
331LA	1/8
331LC	1/4
331LE	3/8
331LF	1/2

BRASS AIR COCKS - 100 PSI MAX (FOR AIR USE ONLY)

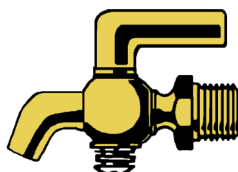
431T -AIR DRAIN COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	FEMALE PIPE
431TA	1/8
431TC	1/4
431TE	3/8
431TF	1/2

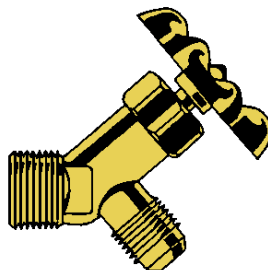
349L -AIR COCK LEVER HANDLE BIBB NOSE DRAIN COCK HEX SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
349LA	1/8
349LC	1/4
349LE	3/8
349LF	1/2

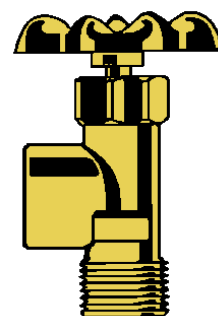
18 - OIL TANK VALVE



150 PSI MAX

CAT. NO.	FLARE TUBE O.D.	MALE PIPE
18EEE	3/8 X 3/8	
18EF	3/8 X 1/2	
18EJ	3/8 X 3/4	
18FF	1/2 X 1/2	
18FJ	1/2 X 3/4	

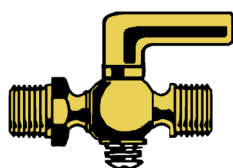
21 TRUCK VALVE OIL TANK VALVE FEM PIPE X MALE PIPE



150 PSI MAX.

CAT. NO.	FEMALE PIPE	MALE PIPE
21EEE	3/8 X 3/8	
21EF	3/8 X 1/2	
21FF	1/2 X 1/2	

376L -AIR COCK LEVER HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
376LA	1/8
376LC	1/4
376LE	3/8
376LF	1/2

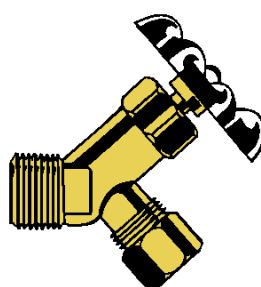
349T -AIR COCK TEE HANDLE BIBB NOSE DRAIN COCK HEX SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
349TA	1/8
349TC	1/4
349TE	3/8
349TF	1/2

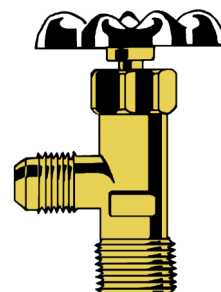
18W -OIL TANK VALVE



150 PSI MAX

CAT. NO.	COMPRESSION TUBE O.D.	MALE PIPE
18WEJ	3/8 X 3/4	

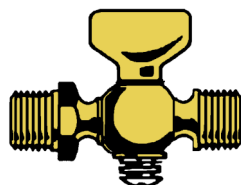
19 - TRUCK VALVE OIL TANK VALVE



150 PSI MAX.

CAT. NO.	FLARE TUBE O.D.	MALE PIPE
19EE	3/8 X 1/4	
19EEE	3/8 X 3/8	
19EF	3/8 X 1/2	
19F	1/2 X 3/8	
19FF	1/2 X 1/2	
19H	5/8 X 1/2	

376T -AIR COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

CAT. NO.	MALE PIPE
376TA	1/8
376TC	1/4
376TE	3/8
376TF	1/2

BRASS NEEDLE VALVES / KITS - COMPRESSION NEEDLE VALVES* FOR REFRIGERATORS, ICE MAKERS, AND HUMIDIFIERS

K123KC

KIT WITH 25FT
POLYETHYLENE
TUBING, SELF PIERCING
NEEDLE VALVE, CLAMP,
AND FITTINGS AS SHOWN

CAT. NO.	TUBE O.D.	MALE PIPE
K123KC	1/4	1/8

C123KC

KIT WITH 25FT COPPER
TUBING, SELF PIERCING
NEEDLE VALVE, CLAMP,
FLARE NUT, UNION, AND
COMPRESSION UNION

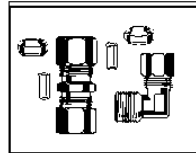
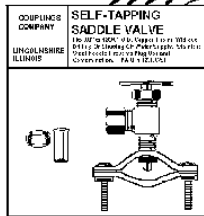
CAT. NO.	TUBE O.D.	MALE PIPE
C123KC	1/4	1/8

ICE MAKER - HUMIDIFIER

NO DRILLING OR WATER
SHUT OFF NECESSARY ON
COPPER TUBE LINE

EVAPORATIVE COOLERS INSTALLATION KIT

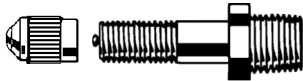
SELF PIERCING SADDLE VALVE - 25' FDA APPROVED
NON TOXIC POLYETHYLENE TUBING



NOTE:

CLAMPING RANGE #123KC-SP, K123KC, AND C123KC IS 3/8" O.D. TO 1&3/8" O.D. COPPER TUBING. CLAMPING RANGE #PB123KC IS 3/8" O.D. TO 1&1/4" O.D. COPPER TUBING.

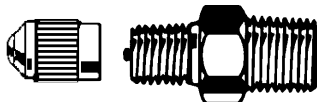
1V - TANK VALVE



200 PSI MAX. NICKEL PLATED
SUPPLIED WITH PLASTIC
VALVE CAP

CAT. NO.	MALE PIPE	LENGTH
1VAH	1/8	1.3"

3V - TANK VALVE

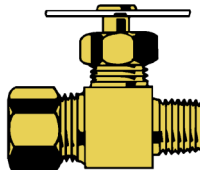


200 PSI MAX. NICKEL PLATED
SUPPLIED WITH PLASTIC
VALVE CAP

CAT. NO.	MALE PIPE	LENGTH
3VAH	1/8	1.00"
3VCH	1/4	1.12"

104K - NEEDLE VALVE

COMPRESSION TUBE X
MALE PIPE

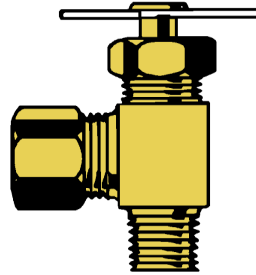


150 PSI MAX.

CAT. NO.	TUBE O.D.	MALE PIPE
104KC	1/4 X 1/8	
104KCC	1/4 X 1/4	
104KD	5/16 X 1/8	
104KDD	5/16 X 1/4	
104KEE	3/8 X 1/4	

103K -NEEDLE VALVE

COMPRESSION TUBE X
MALE PIPE

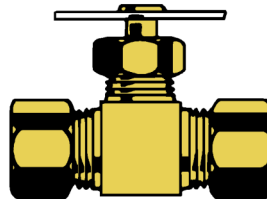


150 PSI MAX

CAT. NO.	TUBE O.D.	MALE PIPE
103KC	1/4 X 1/8	
103KCC	1/4 X 1/4	
103KD	5/16 X 1/8	
103KEE	3/8 X 1/4	

106K - NEEDLE VALVE

COMPRESSION TUBE

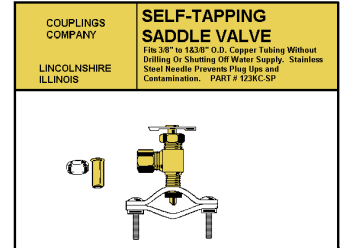


150 PSI MAX.

CAT. NO.	TUBE O.D.
106KB	3/16
106KC	1/4
106KD	5/16
106KE	3/8

123KC-SP SELF PIERCING NEEDLE VALVE AND SADDLE CLAMP PACKAGE

PLASTIC BAG CONTENTS:
NEEDLE VALVE, STEEL
SADDLE CLAMP, NUTS,
SLEEVES, & INSERTS FOR
POLY & COPPER TUBING

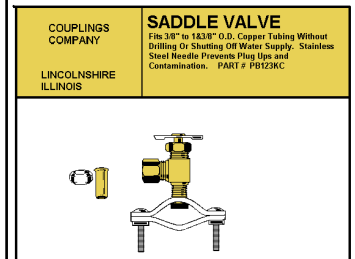


LEAD FREE SELF PIERCING

CAT. NO.	TUBE O.D.	MALE PIPE
123KC-SP	1/4	1/8

PB123KC NEEDLE VALVE AND SADDLE CLAMP PACKAGE (NON SELF-PIERCING)

PLASTIC BAG CONTENTS:
NEEDLE VALVE, STEEL
SADDLE CLAMP, NUT, &
SLEEVE FOR COPPER TUBING



LEADED
NON SELF PIERCING

CAT. NO.	TUBE O.D.	MALE PIPE
PB123KC	1/4	1/8

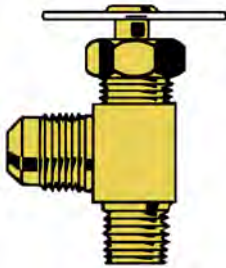
LEAD FREE AVAILABLE UPON
REQUEST

FLARE NEEDLE VALVES*

NEEDLE VALVES "PIPE" / BALL VALVES

103S - NEEDLE VALVE

MALE FLARE X MALE PIPE

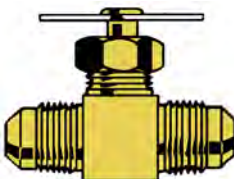


150 PSI MAX.

CAT. NO.	TUBE O.D.	MALE PIPE
103SC	1/4 X 1/8	
103SD	5/16 X 1/8	
103SDD	5/16 X 1/4	
103SEE	3/8 X 1/4	

106S - NEEDLE VALVE

MALE FLARE BOTH ENDS



150 PSI MAX.

CAT. NO.	TUBE O.D.
106SC	1/4
106SE	3/8

104S - NEEDLE VALVE

MALE FLARE X MALE PIPE



150 PSI MAX.

CAT. NO.	TUBE O.D.	MALE PIPE
104SC*	1/4 X 1/8	
104SCC	1/4 X 1/4	
104SD*	5/16 X 1/8	
104SDD	5/16 X 1/4	
104SEE	3/8 X 1/4	

* PIN HANDLE

105K - NEEDLE VALVE

FEMALE PIPE - PIN HANDLE

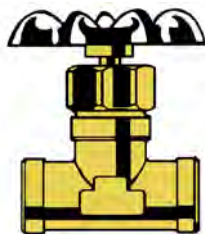


150 PSI MAX.

CAT. NO.	FEMALE PIPE
105KA	1/8
105KC	1/4

105KS - NEEDLE VALVE

HEAVY DUTY FEMALE PIPE BOTH ENDS



150 PSI MAX.

CAT. NO.	FEMALE PIPE
105KSC	1/4

108K - NEEDLE VALVE

FEMALE PIPE X MALE PIPE



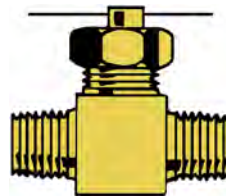
150 PSI MAX.

CAT. NO.	FEM. PIPE	MALE PIPE
108KA	1/8 X 1/8	
108KC*	1/4 X 1/4	

* PIN HANDLE

110K - NEEDLE VALVE

MALE PIPE



150 PSI MAX.

CAT. NO.	MALE PIPE
110KA	1/8
110KC	1/4

12K - DRAIN COCK

WITH AIR VENT ON SIDE, INTERNAL SEAT, SLOTTED HEAD

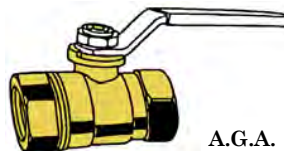


150 PSI MAX.

CAT. NO.	MALE PIPE
12KA	1/8

BVS131 - BRASS FULL PORT BALL VALVE

600 W.O.G., A.G.A., U.L., CHROME PLATED BRASS BALL, VITON O RINGS

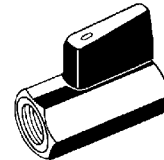


A.G.A.

CAT. NO.	FEMALE PIPE
BVS131C	1/4
BVS131E	3/8
BVS131F	1/2
BVS131J	3/4
BVS131N	1"
BVS131P	1&1/4"
BVS131Q	1&1/2"
BVS131T	2"
BVS131TT	2.5"
BVS131Y	3"
BVS131Z	4"

BVB131 - BRASS MINI BALL VALVE

CHROME BODY AND BALL, NYLON WEDGE HANDLE VITON O RING, 450 PSI MAX.



CAT. NO.	FEMALE PIPE
BVB131A	1/8
BVB131C	1/4
BVB131E	3/8
BVB131F	1/2
H131F-AGA*	1/2
H131J-AGA*	3/4

*AGA APPROVED GAS COCK 5 PSI / GAS NOT PLATED

BVB148

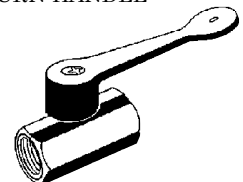
MALE AND FEMALE PIPE (WEDGE HANDLE AS ABOVE)

CAT. NO.	MALE/ FEM. PIPE
BVB148A	1/8
BVB148C	1/4
BVB148E	3/8
BVB148F	1/2

450 PSI MAX.

BVL131 - BRASS MINI BALL VALVE

CHROME BODY AND BALL, NYLON LEVER HANDLE, VITON O RING, 200 PSI MAX. 90° TURN HANDLE



CAT. NO.	FEMALE PIPE
BVL131C	1/4
BVL131E	3/8
BVL131F	1/2

BVL148 BRASS MINI BALL VALVE MALE & FEMALE PIPE

LEVER HANDLE (AS ABOVE) 200 PSI MAX.

CAT. NO.	MALE & FEMALE PIPE
BVL148C	1/4
BVL148E	3/8
BVL148F	1/2

BRASS SHUT-OFF COCKS

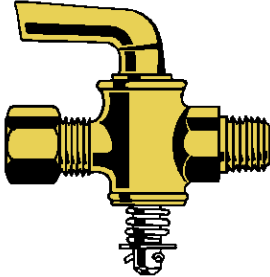
COMPRESSION

FLARED

PIPE

27 - SHUT OFF COCK

COMPRESSION TUBE X
MALE PIPE
FOR AIR OR WATER

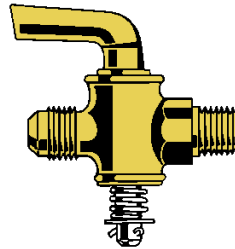


30 PSI MAX.

CAT. NO.	TUBE O.D.	MALE PIPE
27C	1/4 X 1/8	
27CC	1/4 X 1/4	
27D	5/16 X 1/8	
27DD	5/16 X 1/4	
27EE	3/8 X 1/4	
27EEE	3/8 X 3/8	
360° FREE TURNING HANDLE		

27S - SHUT OFF COCK

MALE FLARE X MALE PIPE
FOR AIR OR WATER

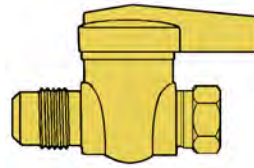


30 PSI MAX.

CAT. NO.	FLARE TUBE O.D.	MALE PIPE
27SC	1/4 X 1/8	
27SCC	1/4 X 1/4	
27SD	5/16 X 1/8	
27SDD	5/16 X 1/4	
27SEE	3/8 X 1/4	
27SEEE	3/8 X 3/8	
27SF	1/2 X 3/8	
360° FREE TURNING HANDLE		

31 - SHUT OFF

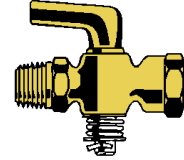
MALE FLARE X FEM. PIPE
AGA APPROVED



CAT. NO.	FLARE TUBE O.D.	FEM. PIPE
31EF-ST	3/8 X 1/2	
31FF-ST	1/2 X 1/2	
1/4 TURN NYLON HANDLE & AGA APPROVED 5 PSI GAS 150 PSI AIR / WATER		

148 - SHUT OFF COCK

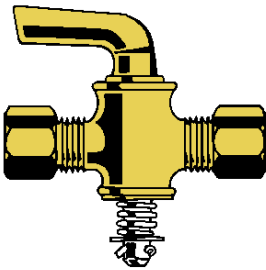
MALE PIPE X FEMALE PIPE
FOR AIR OR WATER ONLY
30 PSI MAX.



CAT. NO.	MALE & FEMALE PIPE
148A	1/8
148BC*	1/4
148C	1/4
148E	3/8
360° FREE TURNING HANDLE * 150 PSI MAX.	

28 - SHUT OFF COCK

COMPRESSION TUBE
BOTH ENDS
FOR AIR OR WATER

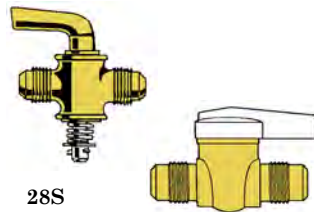


30 PSI MAX.

CAT. NO.	TUBE O.D.
28C	1/4
28D	5/16
28E	3/8
28F	1/2
360° FREE TURNING HANDLE	

28S - SHUT OFF COCK

MALE FLARE BOTH ENDS
FOR AIR OR WATER



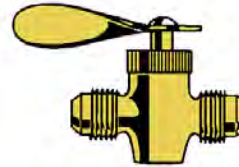
30 PSI MAX.

CAT. NO.	FLARE TUBE O.D.
28SC	1/4
28SD	5/16
28SE	3/8
28SE-ST*	3/8 AGA
28SF	1/2
28SF-ST*	1/2 AGA
* 1/4 TURN NYLON HANDLE & AGA APPROVED. 5 PSI GAS 150 PSI AIR / WATER	

ALL OTHERS 360° FREE
TURNING HANDLE

H28S - SHUT OFF COCK

ENCLOSED SPRING, MALE
FLARE X MALE FLARE

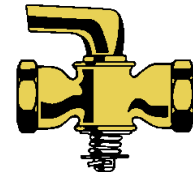


30 PSI MAX. O RING SEAL

CAT. NO.	FLARE TUBE O.D.
H28SC	1/4
H28SD	5/16
H28SE	3/8
H28SF	1/2
FOR AIR, WATER, GASOLINE, OIL, KEROSENE, LP GAS 360° FREE TURNING HANDLE	

131 - SHUT OFF COCK

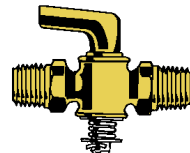
FEM PIPE FOR AIR OR
WATER ONLY 30 PSI MAX.



CAT. NO.	FEMALE PIPE
131A	1/8
131BC*	1/4
131C	1/4
131E	3/8
360° FREE TURNING HANDLE * 150 PSI MAX.	

176 - SHUT OFF COCK

MALE PIPE, FOR AIR OR
WATER 30 PSI MAX.

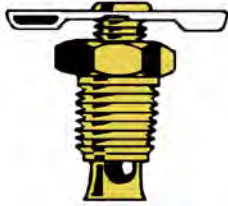


CAT. NO.	MALE PIPE
176A	1/8
176BC*	1/4
176C	1/4
176E	3/8
360° FREE TURNING HANDLE * 150 PSI MAX.	

BRASS DRAIN COCKS AUTOMOTIVE RADIATOR AND INDUSTRIAL USE

9K - DRAIN COCK BACK SEATING TYPE

STEEL HANDLE
EXTERNAL SEAT

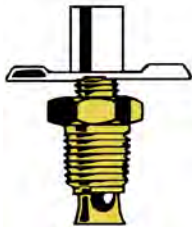


150 PSI MAX.

CAT. NO.	MALE PIPE
9KA	1/8
9KC	1/4
9KE	3/8
9KF	1/2

10K - DRAIN COCK BACK SEATING TYPE

STEEL HANDLE
EXTERNAL SEAT



150 PSI MAX.

CAT. NO.	MALE PIPE
10KC	1/4

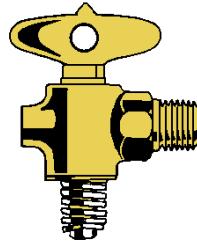
12K - DRAIN COCK WITH AIR VENT ON SIDE INTERNAL SEAT INDUSTRIAL USE



150 PSI MAX.

CAT. NO.	MALE PIPE
12KA	1/8

18K - AIR BRAKE DRAIN COCK TEE HANDLE

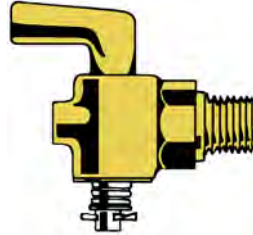


150 PSI MAX.

CAT. NO.	MALE PIPE
18KC	1/4

7L - DRAIN COCK LEVEL HANDLE

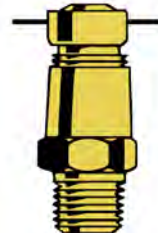
"OPEN" FLOW SHOWN



15 PSI MAX.

CAT. NO.	MALE PIPE
7LA	1/8
7LC	1/4
7LE	3/8
7LF	1/2

1K - DRAIN COCK INTERNAL SEAT



150 PSI MAX.

CAT. NO.	MALE PIPE
1KA*	1/8
1KC	1/4
1KE	3/8
1KF	1/2
* BRASS HANDLE	

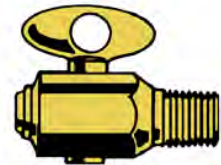
11K - DRAIN COCK STEEL HANDLE INTERNAL SEAT



150 PSI MAX.

CAT. NO.	SPOUT (SP)	MALE PIPE
11KA*	SP X	1/8
11KC*	SP X	1/4
*NOT DESIGNED FOR HOSE ATTACHMENT		

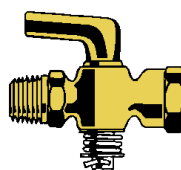
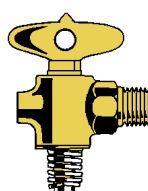
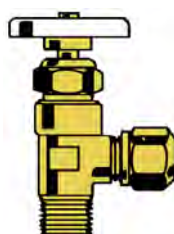
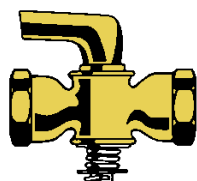
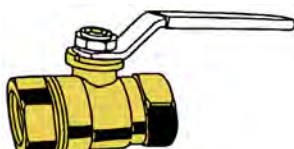
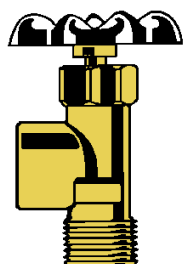
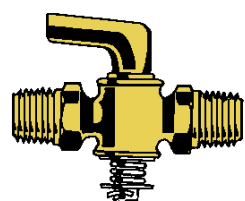
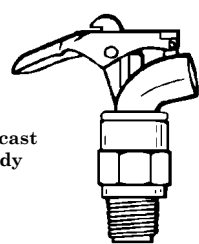
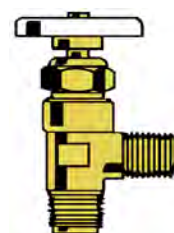
14T - AIR BRAKE DRAIN COCK TEE HANDLE



150 PSI MAX.

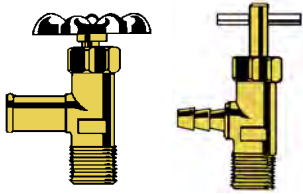
CAT. NO.	MALE PIPE
14TC	1/4

TRUCK AIR BRAKE DRAIN AND SHUT OFF COCKS - BRASS

148B - AIR BRAKE SHUT OFF COCK LEVER HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td><td>FEMALE PIPE</td></tr><tr><td>148BC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	MALE PIPE	FEMALE PIPE	148BC	1/4 X 1/4		18K - AIR BRAKE DRAIN COCK TEE HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>18KC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	18KC	1/4	14T - AIR BRAKE DRAIN COCK TEE HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>14TC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	14TC	1/4	19TH - TRUCK VALVE FOR USE WITH NYLON AIR BRAKE TUBING  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>TUBE O.D.</td><td>MALE PIPE</td></tr><tr><td>19TH-FF</td><td>1/2 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	19TH-FF	1/2 X 1/2																											
CAT. NO.	MALE PIPE	FEMALE PIPE																																															
148BC	1/4 X 1/4																																																
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131B - AIR BRAKE SHUT-OFF COCK LEVER HANDLE  150 PSI MAX <table><tr><td>CAT. NO.</td><td>FEMALE PIPE</td><td>FEMALE PIPE</td></tr><tr><td>131BC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	FEMALE PIPE	FEMALE PIPE	131BC	1/4 X 1/4		BVS131 - BRASS FULL PORT BALL VALVE 600 W.O.G., A.G.A., U.L., CHROME PLATED BRASS BALL, VITON O RINGS  <table><tr><td>CAT. NO.</td><td>FEMALE PIPE</td></tr><tr><td>BVS131C</td><td>1/4</td></tr><tr><td>BVS131E</td><td>3/8</td></tr><tr><td>BVS131F</td><td>1/2</td></tr><tr><td>BVS131J</td><td>3/4</td></tr><tr><td>BVS131N</td><td>1"</td></tr><tr><td>BVS131P</td><td>1&1/4"</td></tr><tr><td>BVS131Q</td><td>1&1/2"</td></tr><tr><td>BVS131T</td><td>2"</td></tr><tr><td>BVS131TT</td><td>2.5"</td></tr><tr><td>BVS131Y</td><td>3"</td></tr><tr><td>BVS131Z</td><td>4"</td></tr></table>	CAT. NO.	FEMALE PIPE	BVS131C	1/4	BVS131E	3/8	BVS131F	1/2	BVS131J	3/4	BVS131N	1"	BVS131P	1&1/4"	BVS131Q	1&1/2"	BVS131T	2"	BVS131TT	2.5"	BVS131Y	3"	BVS131Z	4"	15W - AIR TANK DRAIN VALVE MALE PIPE TO DRAIN OUTLET. SELF SEALING WITH 5 FOOT CABLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>15WC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	15WC	1/4	21 - TRUCK VALVE OIL TANK VALVE FEMALE PIPE THREAD X MALE PIPE THREAD BRASS  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>FEMALE PIPE</td><td>MALE PIPE</td></tr><tr><td>21EEE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>21EF</td><td>3/8 X 1/2</td><td></td></tr><tr><td>21FF</td><td>1/2 X 1/2</td><td></td></tr></table>	CAT. NO.	FEMALE PIPE	MALE PIPE	21EEE	3/8 X 3/8		21EF	3/8 X 1/2		21FF	1/2 X 1/2	
CAT. NO.	FEMALE PIPE	FEMALE PIPE																																															
131BC	1/4 X 1/4																																																
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176B - AIR BRAKE SHUT-OFF COCK LEVER HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td><td>MALE PIPE</td></tr><tr><td>176BC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	MALE PIPE	MALE PIPE	176BC	1/4 X 1/4		20 - BARREL DRUM FAUCET SELF CLOSING  Die cast Body FOR ALL PETROLEUM PRODUCTS EXCEPT TRICHLOR ETHYLENE. NOT INTENDED FOR DETERGENTS AND WATER SOLUTIONS OF CHEMICALS <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>20J</td><td>3/4</td></tr></table>	CAT. NO.	MALE PIPE	20J	3/4	17S - TRUCK VALVE FLARE X MALE PIPE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>TUBE O.D.</td><td>MALE PIPE</td></tr><tr><td>17SH</td><td>5/8 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	17SH	5/8 X 1/2																																
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17SH	5/8 X 1/2																																																

BRASS / STEEL TRUCK VALVES

229K - TRUCK SHUT-OFF VALVE 21KP OFF VALVE BRASS BODY



229K 21KP

BRASS

150 PSI MAX.

CAT. NO.	HOSE I.D.	MALE PIPE
21KP-EEE	3/8 X 3/8	
229KEEE	3/8 X 3/8	
229KF	1/2 X 3/8	
229KHE	5/8 X 3/8	
229KHF	5/8 X 1/2	
229KJE	3/4 X 3/8	
229KJF	3/4 X 1/2	

227K - TRUCK SHUT-OFF VALVE BRASS OR STEEL BODY



BRASS / STEEL

150 PSI MAX.

CAT. NO.	HOSE I.D.	MALE PIPE
227KHE**	5/8 X 3/8	
227KHE-BR*	5/8 X 3/8	

* BRASS **STEEL

19 TRUCK VALVE OIL TANK VALVE



BRASS

150 PSI MAX.

CAT. NO.	FLARE TUBE O.D.	MALE PIPE
19EE	3/8 X 1/4	
19EEE	3/8 X 3/8	
19EF	3/8 X 1/2	
19F	1/2 X 3/8	
19FF	1/2 X 1/2	
19H	5/8 X 1/2	

21KW - TRUCK SHUT-OFF VALVE BRASS BODY WHEEL HANDLE



BRASS

150 PSI MAX.

CAT. NO.	HOSE I.D.	MALE PIPE
21KW-EEE	3/8 X 3/8	

226K - TRUCK SHUT-OFF VALVE STEEL BODY



STEEL

150 PSI MAX.

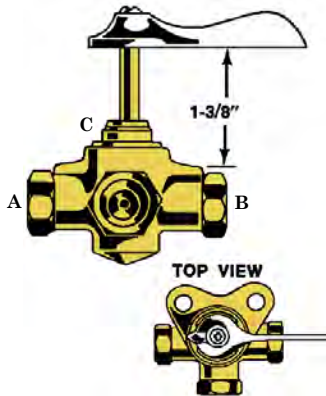
CAT. NO.	HOSE I.D.	MALE PIPE
226KHE	5/8 X 3/8	

222K - TRUCK SHUT-OFF VALVE STEEL BODY 150 PSI MAX.



CAT. NO.	HOSE I.D.	HOSE I.D.
222KF	1/2 X 1/2	
222KH	5/8 X 5/8	
222KJ	3/4 X 3/4	

95L - 3 WAY TRUCK AUXILIARY TANKS

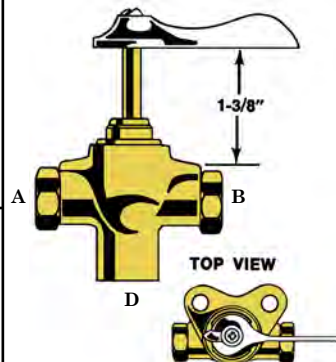


30 PSI MAX.
FLOW: A TO C OR B TO C

CAT. NO.	FEMALE PIPE	ALL PORTS
95LA-K	1/8	CLICK
95LC-K	1/4	CLICK
95LE-K	3/8	CLICK

HANDLE WILL CLICK AT PORT POSITIONS

80L - 3 WAY TRUCK AUXILIARY TANKS

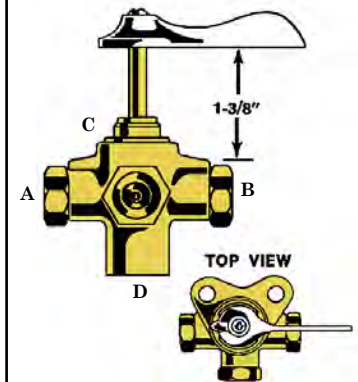


30 PSI MAX.
FLOW: A TO D OR B TO D

CAT. NO.	FEMALE PIPE	ALL PORTS
80LC-K	1/4	CLICK

HANDLE WILL CLICK AT PORT POSITIONS

70L - FOUR WAY TRUCK AUXILIARY TANKS

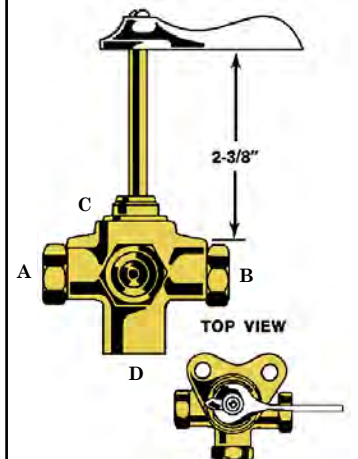


30 PSI MAX. FLOW: A TO D OR B TO D, OR C TO D

CAT. NO.	FEMALE PIPE	ALL PORTS
70LC-K	1/4	CLICK*
70LE-K	3/8	CLICK*

HANDLE WILL CLICK AT PORT POSITIONS

90L - 4 WAY TRUCK AUXILIARY TANKS



30 PSI MAX. FLOW: A TO D OR B TO D, OR C TO D

CAT. NO.	FEMALE PIPE	ALL PORTS
90LC-K	1/4	CLICK*
90LE	3/8	
90LE-K	3/8	CLICK*

*HANDLE WILL CLICK AT PORT POSITIONS

TUBING - GAUGES

GF - GAUGES SD - GAUGES

LIQUID FILLED, STAINLESS
CASE
2-1/2" O.D.
1/4 MALE PIPE THREAD



LIQUID
FILLED

CAT. NO.	PSI RANGE
GF60	0 - 60 PSI
GF100	0 - 100 PSI
GF200	0 - 200 PSI
GF300	0 - 300 PSI
GF600	0 - 600 PSI
GF1000	0 - 1000 PSI
GF2000	0 - 2000 PSI
GF3000	0 - 3000 PSI

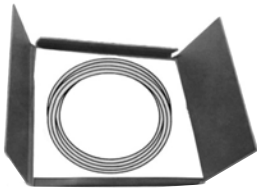
PLASTIC CASE - **DRY**
2&1/2" O.D. 1/4 MALE PIPE

CAT. NO.	PSI RANGE
SD60	0 - 60 PSI
SD100	0 - 100 PSI
SD200	0 - 200 PSI

TU-1 - SOFT AUTOMOTIVE COPPER TUBING

SOLD IN 25 FT. COILS
BOXED INDIVIDUALLY
ORDER BY COIL

AUTOMOTIVE

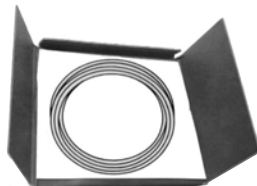


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-1A	1/8	.030
TU-1AA	5/32	.030
TU-1B	3/16	.030
TU-1C	1/4	.030
TU-1D	5/16	.032
TU-1E	3/8	.032
TU-1F	1/2	.032
TU-1G	7/16	.032
TU-1H	5/8	.035
TU-1J	3/4	.035

TU-2 - SOFT REFRIGERATION COPPER TUBING

SOLD IN 50 FT. COILS
SEALED AND DEHYDRATED
BOXED INDIVIDUALLY
ORDER BY COIL

REFRIGERATION

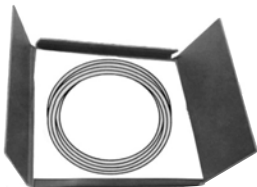


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-2A	1/8	.030
TU-2B	3/16	.030
TU-2C	1/4	.030
TU-2D	5/16	.032
TU-2E	3/8	.032
TU-2F	1/2	.032
TU-2H	5/8	.035
TU-2J	3/4	.035

TU-6 - SOFT TRUCK AIRBRAKE COPPER TUBING

SOLD IN 50 FT. COILS
BOXED INDIVIDUALLY
ORDER BY COIL

AIR BRAKE



CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-6C	1/4	.035
TU-6D	5/16	.042
TU-6E	3/8	.049
TU-6F	1/2	.049
TU-6H	5/8	.049
TU-6J	3/4	.049

AL2 - SOFT ALUMINUM TUBING

SOLD IN 50 FT COILS
WALL THICKNESS .035
NOT BOXED INDIVIDUALLY
ORDER BY COIL

ALUMINUM

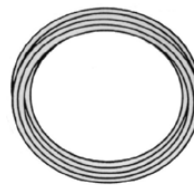


CAT. NO.	TUBE O.D.
AL2A	1/8
AL2B	3/16
AL2C	1/4
AL2D	5/16
AL2E	3/8
AL2F	1/2
AL2H	5/8

ST1 - STEEL BRAKE TUBING 25 FOOT AUTOMOTIVE GRADE SUPERTERNE COATED

WALL THICKNESS .028
SOLD IN 25 FT. COILS
NOT BOXED INDIVIDUALLY
ORDER BY COIL

STEEL



CAT. NO.	TUBE O.D.
ST1-B	3/16
ST1-C	1/4
ST1-D	5/16
ST1-E	3/8

**STEEL BRAKE
LINE ASSEMBLIES
SOLD ON PAGE
36R**

PT - POLYETHYLENE TUBING

FDA APPROVED. **SOLD IN
100FT COILS** (NOT RECOM-
MENDED FOR NATURAL GAS)
COLOR: NATURAL
ORDER BY COIL

CAT. NO.	TUBE O.D.	TUBE I.D.	WALL THICK	MAX PRESSURE AT 70°F
PT100C	1/4	.170	.040	130 PSI
PT100D	5/16	3/16	.062	130 PSI
PT100E	3/8	1/4	.062	130 PSI
PT100F	1/2	3/8	.062	80 PSI
PT100H	5/8	1/2	.062	70 PSI
PT100J	3/4	1/2	1/8	100 PSI

NT100R - NYLON TUBING INDUSTRIAL 6/6

COLOR: NATURAL (MILKY
WHITE) SEMI-RIGID GENERAL
PURPOSE TUBING. **SOLD IN
100FT COILS** TEMPERATURE
RANGE: -40°F TO +180°F. DO
NOT USE FOR TRUCK AIR
BRAKE (SEE PAGE 12P/BELOW)
ORDER BY COIL

**MAX WORKING PRESSURE
AT 70° F IS 300 PSI**

CAT. NO.	TUBE O.D.	WALL THICKNESS
NT100R-A	1/8	.015
NT100R-B	3/16	.023
NT100R-C	1/4	.030
NT100R-D	5/16	.036
NT100R-E	3/8	.040
NT100R-F	1/2	.062
NYLON AIR BRAKE TUBING		
TH100A	1/8	
TH100AA	5/32	
TH100C	1/4	BLACK
TH100D	5/16	100FT
TH100E	3/8	COILS
TH100F	1/2	
TH100H	5/8	
TH100J	3/4	

VT100 - VINYL TUBING CLEAR

SOLD IN 100FT BOXED COILS.
(NOT RECOMMENDED FOR
NATURAL GAS)
FDA APPROVED. CLEAR
ORDER BY COIL

CAT. NO.	TUBE O.D.	TUBE I.D.	WALL THICK	MIN. BURST @ 70°F
VT100CA	1/4	1/8	1/16"	250
VT100EC	3/8	1/4	1/16"	200
VT100FE	1/2	3/8	1/16"	100
VT100HF	5/8	1/2	1/16"	100
VT100JH	3/4	5/8	1/16"	70
VT100NJ	1"	3/4	1/8"	100

BRASS ASSORTMENTS

BFS-PD - PUSH TO CONNECT DOT FITTING ASSORTMENT

DOT BRASS FITTINGS FOR TRUCK ACCESSORY
SEE PAGE 23P FOR ADDITIONAL ITEMS
HINGED PLASTIC BOX 29 ITEMS 61 PIECES

CAT.	
NO.	DESCRIPTION
BFS-PD	FITTINGS & CABINET



DOT UNIONS			PP68EEE-DT 3/8X3/8			PP69AA-DT 5/32X1/8		
PP62AA-DOT 5/32	3		PP68EF-DOT 3/8X1/2	2		PP69C-DT 1/4X1/8	3	
PP62C-DOT 1/4	3		PP68FF-DOT 1/2X1/2	2		PP69CC-DT 1/4X1/4	3	
PP62E-DOT 3/8	3		PP68H-DOT 5/8X1/2	1		PP69EE-DT 3/8X1/4	3	
PP62F-DOT 1/2	2		PP68J-DOT 3/4X1.2	1		PP69EEE-DT 3/8X3/8	2	
PP62H-DOT 5/8	1		PP68JJ-DOT 3/4X3/4	1		PP69F-DT 1/2X3/8	1	
PP62J-DOT 3/4	1					PP69FF-DT 1/2X1/2	1	
DOT MALE CONN			SWIVEL MALE EL'S					
PP68AA-DOT 5/32X1/8	3		PP69SC-DOT 1/4X1/8	2				
PP68C-DOT 1/4X1/8	3		PP69SCC-DT 1/4X1/4	2				
PP68CC-DOT 1/4X1/4	3		PP69SEE-DT 3/8X1/4	2				
PP68EE-DOT 3/8X1/4	3		PP69SEEE-DT 3/8X3/8	2				
			PP69SF-DT 1/2X3/8	1				
			PP69SFF-DT 1/2X1/2	1				
			MALE ELBOWS					



BFS-11 - FLARE BRASS FITTING ASSORTMENT

FLARE FITTINGS FOR INDUSTRIAL & PLUMBING
HINGED PLASTIC BOX 36 ITEMS 120 PIECES

CAT.	
NO.	DESCRIPTION
BFS-11	FITTINGS & CABINET



FLARE CAPS			42E 3/8X3/8			FLARE X MALE		
N5C 1/4	4		42F 1/2X1/2	3		48C 1/4X1/8	3	
N5E 3/8	4					48CC 1/4X1/4	3	
N5F 1/2	4		FLARE TEES			48EE 3/8X1/4	3	
			44E 3/8	3		48EEE 3/8X3/8	3	
			44F 1/2	3		48EF 3/8X1/2	3	
FLARE NUTS						48F 1/2X3/8	3	
41C 1/4	5		FLARE X FEM.			48FF 1/2X1/2	3	
41E 3/8	10		46EEE 3/8X3/8	3		48H 5/8X1/2	3	
41F 1/2	5		46EF 3/8X1/2	3		FLARE X MALE 90°		
41H 5/8	3		46FF 1/2X1/2	3		49C 1/4X1/8	3	
			46FJ 1/2X3/4	3		49EEE 3/8X3/8	3	
			42C 1/4X1/4	2		49EF 3/8X1/2	3	
FLARE UNIONS						49FF 1/2X1/2	3	
			46HJ 5/8X3/4	2		50F 1/2X3/8	3	

BFS-12 - COMPRESSION BRASS FITTING ASSORTMENT

COMPRESSION FITTINGS FOR INDUSTRIAL & PLUMBING. HINGED PLASTIC BOX 36 ITEMS 199 PIECES

CAT.	
NO.	DESCRIPTION
BFS-12	FITTINGS & CABINET



COMP. SLEEVES			L61F 1/2			COMP. X MALE		
60B 3/16	10		L61H 5/8	5		68C 1/4X1/8	5	
60C 1/4	10					68D 5/16X1/8	5	
60D 5/16	10		COMP. UNIONS			68EE 3/8X1/4	5	
60E 3/8	10		62C 1/4	2		68EEE 3/8X3/8	5	
L60F 1/2	10		62D 5/16	2		68EF 3/8X1/2	5	
L60H 5/8	10		62E 3/8	3		68F 1/2X3/8	5	
COMP. NUTS			L62F 1/2	3		L68FF 1/2X1/2	5	
61B 3/16	10		L62H 5/8	2		L68H 5/8X1/2	4	
61C 1/4	10		COMP. TEES			COMP. X FEMALE		
61D 5/16	10		64C 1/4	2		77EEE 3/8X3/8	3	
61E 3/8	10		64E 3/8	2		77EF 3/8X1/2	3	

BFS-16 - PIPE FITTINGS BRASS FITTING ASSORTMENT

HINGED PLASTIC BOX - 36 ITEMS 217 PIECES

CAT.	
NO.	DESCRIPTION
BFS-16	FITTINGS & CABINET

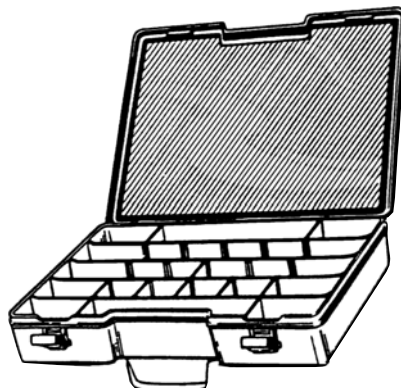


PIPE TEES			HEX BUSHINGS			REDUCERS		
101SA 1/8	5		110C 1/4X1/8	10		119C 1/4X1/8	5	
101SC 1/4	5		110E 3/8X1/8	10		119EE 3/8X1/4	3	
PIPE COUPLINGS			110EE 3/8X1/4	10		REDUCING ADPTR		
L103A 1/8	5		110F 1/2X3/8	5		120RCA 1/4X1/8	5	
L103C 1/4	5		110FC 1/2X1/4	5		120REC 3/8X1/4	5	
L103E 3/8	5		CLOSE NIPPLES			STREET ELBOWS		
109A 1/8	10		112A 1/8	10		127A 1/8X1/8	3	
109C 1/4	10		112C 1/4	5		127C 1/4X1/4	3	
109E 3/8	10		HEX NIPPLES			116SA-97 1/8	5	
109XA 1/8	10		112XA 1/8	5		116SC-97 1/4	5	
109XC 1/4	10		112XC 1/4	5		116SE-30 3/8	5	
109XE 3/8	10		LONG NIPPLES			STREET TEES		
			117A1&1/2 1/8X1.5	5		FEM X MALE X FEM		
			117C1&1/2 1/4 X 1.5	5		127A 1/8X1/8	3	

BOX FOR ABOVE ASSORTMENTS

#1936BR

18"W X 12"D X 3"H



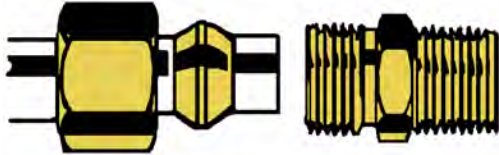
ASSEMBLY INFORMATION

COMPRESSION TUBE FITTINGS

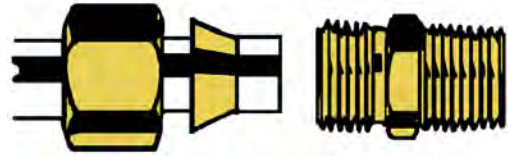
(Do NOT flare tubing)

To Install:

- (1) Slip Tubing Through Nut and Sleeve
- (2) Insert Tubing Into Fitting Up To Shoulder
- (3) Tighten Nut - This Action Spins The Sleeve Onto Tubing Making The Sleeve A Component of The Tubing



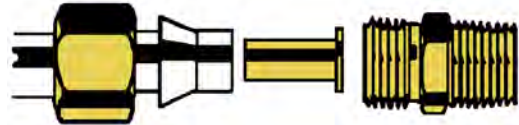
Standard Compression Assembly



Stastrate Sleeve Assembly



Suregrip Sleeve Assembly



Plastic Sleeve / Insert Assembly

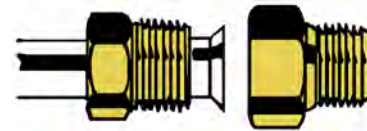
SAE FLARED TUBE FITTINGS

To Install:

1. Slide Flare Nut On Tubing
2. Flare Tubing
3. Screw Flare Nut On Tubing This Seals The Flared End Of Tubing Between The Nut And The Fitting.



Standard Flare Assembly

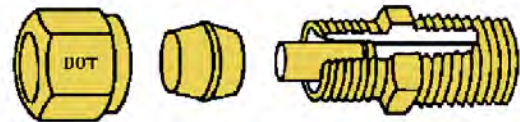


Inverted Flare Assembly

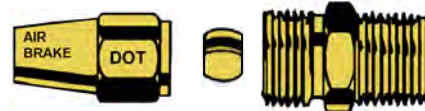
AIR BRAKE

To Install:

1. Cut Tubing To Desired Length
2. Slide Nut & Sleeve On Tubing
3. Insert Tubing Into Fitting & Make Sure It Bottoms On Shoulder
4. Wrench Tighten Nut.



For Nylon Airbrake Tubing



For Copper Airbrake Tubing

AIR BRAKE REUSEABLE HOSE

To Install:

1. Slide Nut On To Hose.
2. Slide Sleeve On To Hose With Tapered Edge Toward Fitting Body.
3. Bottom Hose Into Fitting.
4. Tighten Nut Until It Contacts Body Hex.
5. If Reassembling, Do Not Reuse Sleeve

