

BRASS FITTINGS



COUPLINGS COMPANY, INC.

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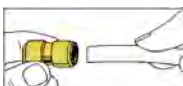
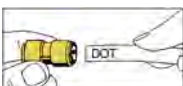
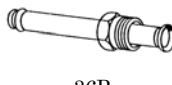
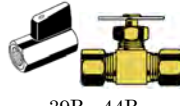
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See List Price Sheet & Our Website For List Prices

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	TRANSMISSION  24R - 25R	GARDEN HOSE  26R - 27R	INVERTED FLARE  28R - 31R	HOSE BARBS  31R
STEEL HEATER FITTINGS  32R	PUSH-ON HOSE BARBS  33R	POLY TUBING BARBS  34R	GREASE FTGS  35R	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



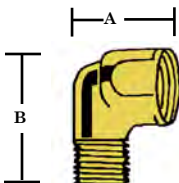
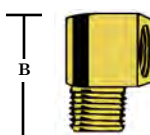
CAT. NO.	MALE PIPE	MALE PIPE	OVER-ALL LENG.
112RCA	1/4 X 1/8		1.19
112REA	3/8 X 1/8		1.12
112REC	3/8 X 1/4		1.19
112RFC	1/2 X 1/4		1.34
112RFE	1/2 X 3/8		1.40
112RJF	3/4 X 1/2		1.50

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

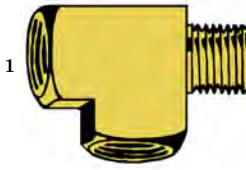
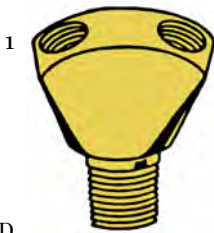
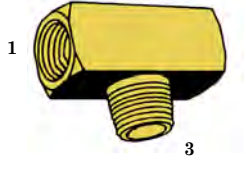
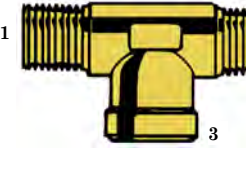
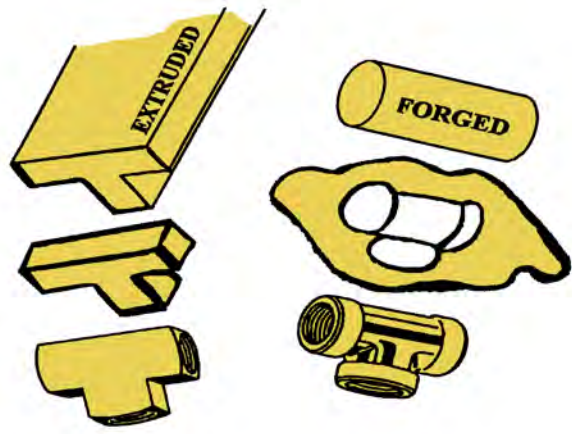
LEAD FREE AVAILABLE

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</td></tr><tr><td></td><td>A .85 B 1.14</td></tr><tr><td>116C</td><td>1/4</td></tr><tr><td></td><td>A .70 B 1.24</td></tr><tr><td>116E</td><td>3/8</td></tr><tr><td></td><td>A 1.00 B 1.46</td></tr><tr><td>116F</td><td>1/2</td></tr><tr><td></td><td>A 1.34 B 1.96</td></tr><tr><td>116J</td><td>3/4</td></tr><tr><td></td><td>A 1.37 B 2.03</td></tr><tr><td>116J-39*</td><td>3/4</td></tr><tr><td></td><td>A 1.65 B 2.34</td></tr><tr><td>116N*</td><td>1"</td></tr><tr><td></td><td>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</td></tr><tr><td></td><td>A - .71</td><td>B - 1.22</td></tr><tr><td>116RCE</td><td>1/4</td><td>3/8</td></tr><tr><td></td><td>A - 1.27</td><td>B- 1.39</td></tr><tr><td>116REC</td><td>3/8</td><td>1/4</td></tr><tr><td></td><td>A - .84</td><td>B- 1.35</td></tr><tr><td>116REF</td><td>3/8</td><td>1/2</td></tr><tr><td></td><td>A - 1.16</td><td>B - 1.73</td></tr><tr><td>116RFE</td><td>1/2</td><td>3/8</td></tr><tr><td></td><td>A - 1.34</td><td>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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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</td></tr><tr><td></td><td>A-.55 B-.83</td></tr><tr><td>116SA-LONG</td><td>1/8</td></tr><tr><td></td><td>A-.69 B-.94</td></tr><tr><td>116SA-80</td><td>1/8</td></tr><tr><td></td><td>A-.72 B-.95</td></tr><tr><td>116SC-97</td><td>1/4</td></tr><tr><td></td><td>A-.73 B-1.12</td></tr><tr><td>116SC-LONG</td><td>1/4</td></tr><tr><td></td><td>A-.94 B-1.23</td></tr><tr><td>116SC-80</td><td>1/4</td></tr><tr><td></td><td>A-.73 B-1.25</td></tr><tr><td>116SE-30</td><td>3/8</td></tr><tr><td></td><td>A-.83 B-1.41</td></tr><tr><td>116SE-LONG</td><td>3/8</td></tr><tr><td></td><td>A-1.08 B-1.40</td></tr><tr><td>116SF</td><td>1/2</td></tr><tr><td></td><td>A-1.10 B-1.65</td></tr><tr><td>116SJ</td><td>3/4</td></tr><tr><td></td><td>A-1.58 B-2.06</td></tr></table> REDUCING SIZES <table><tr><th>FEM</th><th>MALE</th></tr><tr><td>116SRCA</td><td>1/4 X 1/8</td></tr><tr><td></td><td>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	FEM	MALE	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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116SE-LONG	3/8																																																																																																																							
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116SF	1/2																																																																																																																							
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CAT. NO.	FEM.& MALE PIPE (A)																																																																																																																							
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CAT. NO.	FEMALE PIPE	MALE PIPE																																																																																																																						
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124J*	3/4 X 3/4																																																																																																																							
124N*	1" X 1"																																																																																																																							
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"																																																																																															
CAT. NO.	MALE PIPE																																																																																																																							
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129N	1"																																																																																																																							

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

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																																																																
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CAT. NO.	1&2 FEMALE PIPE	3 MALE PIPE																																																															
118MPT-C	1/4 X 1/4																																																																
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> LEAD FREE PIPE FITTINGS AVAIL ON REQUEST	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"
CAT. NO.	FEMALE PIPE																																																																
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102J♦	3/4																																																																
102N*	1"																																																																
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																						
	1	2	3																																																														
101AAC	1/8X1/8X1/4																																																																
101CCA	1/4X1/4X1/8																																																																
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101EEC	3/8X3/8X1/4																																																																
101FFC*	1/2X1/2X1/4																																																																
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127WF	1/2																																																																
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"

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

120L - ADAPTER EXTENSION

EXTRA LONG



FEMALE/		
CAT. NO.	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"

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



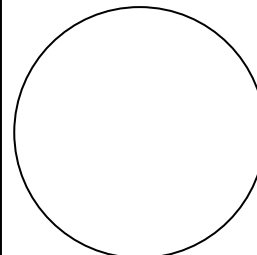
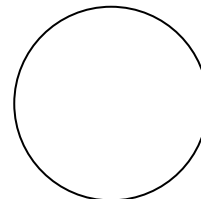
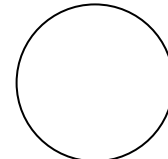
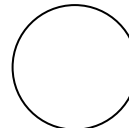
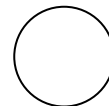
CAT. NO.	FEMALE PIPE	MALE PIPE	OVER ALL HEX LENG
120RCA	1/4 X 1/8	5/8	.88
120REA	3/8 X 1/8	7/8	1.07
120REC	3/8 X 1/4	13/16	1.25
120RFC	1/2 X 1/4	15/16	1.21
120RFE	1/2 X 3/8	15/16	1.21
120RJE	3/4 X 3/8	1.375	1.50
120RJF	3/4 X 1/2	1.25	1.20

BULKHEAD COUPLINGS



SEE PAGE 19R

ADDITIONAL SIZES & STAINLESS NIPPLES ARE AVAILABLE ON REQUEST



ACTUAL OUTSIDE DIAMETERS OF TAPER PIPE THREADS AT SMALL END.
1/8" P.T. 1/4" P.T. 3/8" P.T. 1/2" P.T. 3/4" P.T. 1" P.T.

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"
117E4	4"
RED BRASS - LEAD FREE	
117E3&1/2	3.5"
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"

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.	FLARE SOLDER TUBE O.D.	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

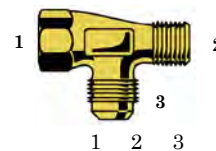
CAT. NO.	TUBE O.D.
44A	1/8
44B	3/16
44C*	1/4
44D	5/16
44E	3/8
44F	1/2
44H	5/8
44J	3/4
44M	7/8

* BARSTOCK

REDUCING SIZES AVAILABLE ON REQUEST

**LEAD FREE FLARE
AVAILABLE ON
REQUEST**

53 - TEE FEMALE PIPE X MALE PIPE X TUBE



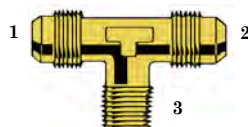
CAT. NO.	FEM. PIPE	MALE PIPE	TUBE O.D.
53C	1/8X1/8X1/4		
53CC	1/4X1/4X1/4		
53EE	1/4X1/4X3/8		

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	

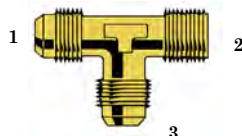
C1 - CROSS



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

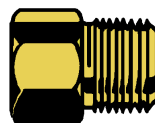
53W - TEE MALE PIPE X MALE PIPE X TUBE



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 O.D.	SWIVEL FLARE NUT O.D.
NO.		
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**



COMPRESSION BRASS FITTINGS

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 - SLEEVE

STAstrate BRASS FOR
METAL OR PLASTIC TUBING
MUST BE USED

WITH #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 STAstrate

BRASS 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 - 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

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

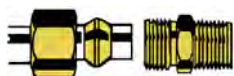
COMPRESSION



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



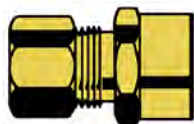
CAT. NO.	TUBE O.D.	FEM. PIPE
66A	1/8 X 1/8	
66B	3/16 X 1/8	
66BB	3/16 X 1/4	
66C	1/4 X 1/8	
66CC	1/4 X 1/4	
66CE	1/4 X 3/8	
66CF	1/4 X 1/2	
66D	5/16 X 1/8	
66DD	5/16 X 1/4	
66DE	5/16 X 3/8	
66E	3/8 X 1/8	
66EE	3/8 X 1/4	
77EEE**	3/8 X 3/8	
77EF**	3/8 X 1/2	
66EJ	3/8 X 3/4	
77F**	1/2 X 3/8	
66FC	1/2 X 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.	TUBE
NO.	O.D.
81LC	1/4

67 - PLUG BLOCKS END OF TUBING



CAT.	TUBE
NO.	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

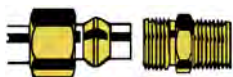


CAT. NO.	TUBE O.D.	MALE PIPE
78B	3/16 X 1/8	
78C	1/4 X 1/8	
78CC	1/4 X 1/4	
78D	5/16 X 1/8	
78DD	5/16 X 1/4	
78E	3/8 X 1/8	
78EE	3/8 X 1/4	
78EEE	3/8 X 3/8	
78F	1/2 X 3/8	
78FF	1/2 X 1/2	
78H	5/8 X 1/2	

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

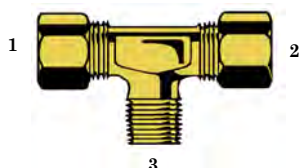
** ECONOMY STYLE

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

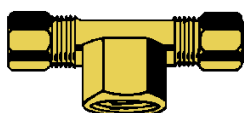


FORGED

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	

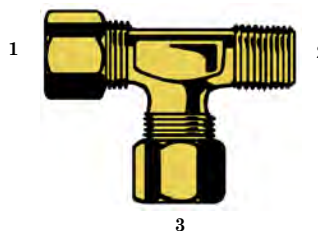
72S - TEE

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	

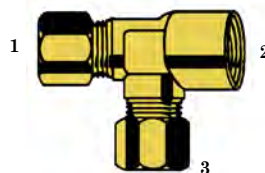
71 - MALE RUN TEE



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

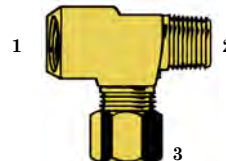
TUBE X FEMALE PIPE X TUBE



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

76 - TEE

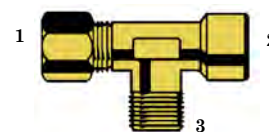
FEMALE X MALE X TUBE



CAT. NO.	1 FEM. PIPE	2 MALE PIPE	3 TUBE O.D.
76C	1/8 X 1/8 X 1/4		
76CC	1/4 X 1/4 X 1/4		

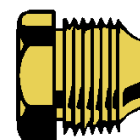
76T - TEE

TUBE X FEMALE & MALE PIPE



CAT. NO.	1 TUBE O.D.	2 FEM. PIPE	3 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

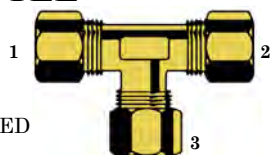
65R - REDUCING UNION ELBOW



FORGED

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

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

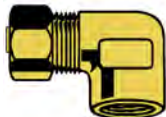
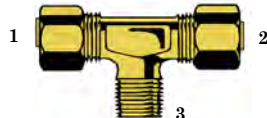
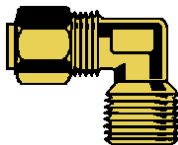
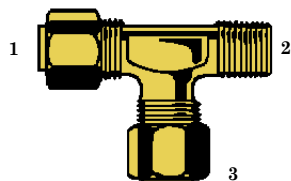
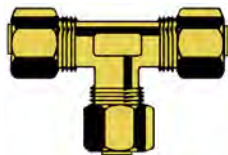


CAT. NO.	FEMALE FLARE	MALE COMP.
6846C	1/4 X 1/4	

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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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

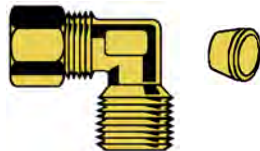
STAstrate BRASS SLEEVE



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

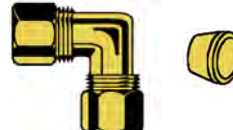
STAstrate BRASS SLEEVE



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

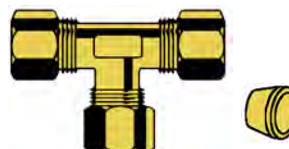
STAstrate BRASS SLEEVE



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

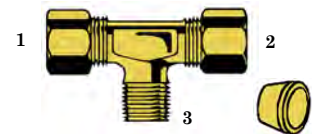


CAT. NO.	TUBE O.D.
864A	1/8
864B	3/16
864C	1/4
864D	5/16
864E	3/8
864F	1/2
864H	5/8

872 - TEE

WITH MALE PIPE

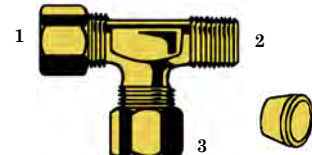
STAstrate BRASS SLEEVE



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	

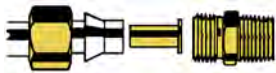
878 - 45° M. ELBOW

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



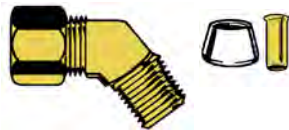
CAT. NO.	POLY TUBE O.D.	MALE PIPE
468C	1/4 X 1/8	
468CC	1/4 X 1/4	
468D	5/16 X 1/8	
468DD	5/16 X 1/4	
468E	3/8 X 1/8	
468EE	3/8 X 1/4	
468EEE	3/8 X 3/8	
468EF	3/8 X 1/2	
468EJ	3/8 X 3/4	
468F	1/2 X 3/8	
468FF	1/2 X 1/2	
468FJ	1/2 X 3/4	
468H	5/8 X 1/2	
468HJ	5/8 X 3/4	

466 - FEMALE CONNECTOR



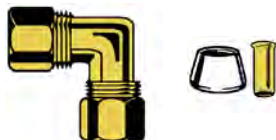
CAT. NO.	POLY TUBE O.D.	FEM. PIPE
466C	1/4 X 1/8	
466CC	1/4 X 1/4	
466CE	1/4 X 3/8	
466D	5/16 X 1/8	
466DD	5/16 X 1/4	
466E	3/8 X 1/8	
466EE	3/8 X 1/4	
466EEE	3/8 X 3/8	
466EF	3/8 X 1/2	
466EJ	3/8 X 3/4	
466F	1/2 X 3/8	
466FF	1/2 X 1/2	
466FJ	1/2 X 3/4	
466H	5/8 X 1/2	
466HJ	5/8 X 3/4	

478 - 45° MALE ELBOW



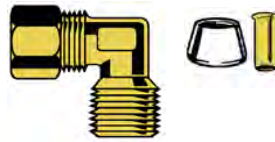
CAT. NO.	POLY TUBE O.D.	MALE PIPE
478C	1/4 X 1/8	
478CC	1/4 X 1/4	
478D	5/16 X 1/8	
478DD	5/16 X 1/4	
478E	3/8 X 1/8	
478EE	3/8 X 1/4	
478EEE	3/8 X 3/8	
478F	1/2 X 3/8	
478FF	1/2 X 1/2	
478H	5/8 X 1/2	

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



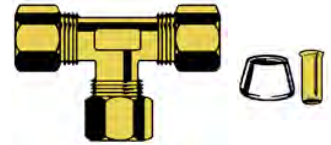
CAT. NO.	POLY TUBE O.D.	MALE PIPE
469C	1/4 X 1/8	
469CC	1/4 X 1/4	
469CE	1/4 X 3/8	
469CF	1/4 X 1/2	
469D	5/16 X 1/8	
469DD	5/16 X 1/4	
469DE	5/16 X 3/8	
469DF	5/16 X 1/2	
469E	3/8 X 1/8	
469EE	3/8 X 1/4	
469EEE	3/8 X 3/8	
469EF	3/8 X 1/2	
469EJ	3/8 X 3/4	
469F	1/2 X 3/8	
469FC	1/2 X 1/4	
469FF	1/2 X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



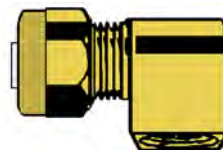
CAT. NO.	POLY TUBE O.D.
PG60C	1/4
PG60D	5/16
PG60E	3/8
PG60F	1/2

PG68 - MALE CONNECTOR



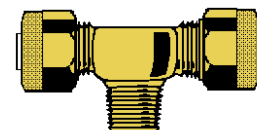
CAT. NO.	POLY TUBE O.D.	MALE PIPE
CS68A*	1/8 X	1/8
CS68B*	3/16 X	1/8
PG68C	1/4 X	1/8
PG68CC	1/4 X	1/4
PG68CE	1/4 X	3/8
PG68D	5/16 X	1/8
PG68DD	5/16 X	1/4
PG68E	3/8 X	1/8
PG68EE	3/8 X	1/4
PG68EEE	3/8 X	3/8
PG68F	1/2 X	3/8

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



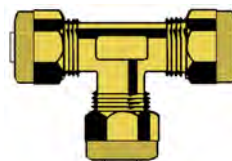
CAT. NO.	POLY TUBE O.D.
PG61C	1/4
PG61D	5/16
PG61E	3/8
PG61F	1/2

PG66 - FEMALE CONNECTOR



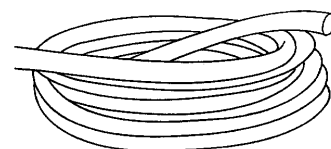
CAT. NO.	POLY TUBE O.D.	FEMALE PIPE
CS66A*	1/8 X	1/8
CS66B*	3/16 X	1/8
PG66C	1/4 X	1/8
PG66CC	1/4 X	1/4
PG66D	5/16 X	1/8
PG66DD	5/16 X	1/4
PG66E	3/8 X	1/8
PG66EE	3/8 X	1/4
PG66F	1/2 X	3/8

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



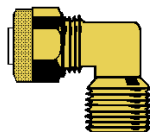
FDA APPROVED. SOLD IN 100FT COILS (NOT RECOMMENDED FOR NATURAL GAS)
COLOR: NATURAL
ORDER PER COIL

PG62 - UNION



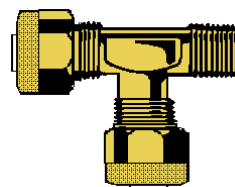
CAT. NO.	POLY TUBE O.D.
CS62A*	1/8
CS62B*	3/16
PG62C	1/4
PG62D	5/16
PG62E	3/8
PG62F	1/2

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

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

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



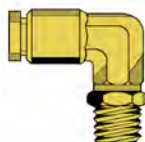
CAT. NO.	TUBE O.D.	MALE PIPE
PP68AS	1/8 X	1/16
PP68A	1/8 X	1/8
PP68AA	5/32 X	1/8
PP68AAC	5/32 X	1/4
PP68AAA	5/32X10/32	
PP68B	3/16 X	1/8
PP68C	1/4 X	1/8
PP68CC	1/4 X	1/4
PP68CE	1/4 X	3/8
PP68D	5/16 X	1/8
PP68DD	5/16 X	1/4
PP68E	3/8 X	1/8
PP68EE	3/8 X	1/4
PP68EEE	3/8 X	3/8
PP68EF	3/8 X	1/2
PP68FC	1/2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

PP69 - MALE ELBOW



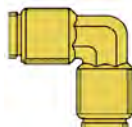
CAT. NO.	TUBE O.D.	MALE PIPE
PP69A	1/8 X	1/8
PP69AA	5/32 X	1/8
PP69B	3/16 X	1/8
PP69C	1/4 X	1/8
PP69CC	1/4 X	1/4
PP69CE	1/4 X	3/8
PP69E	3/8 X	1/8
PP69EE	3/8 X	1/4
PP69EEE	3/8 X	3/8
PP69FC	1/2 X	1/4
PP69F	1/2 X	3/8
PP69FF	1/2 X	1/2

PP69S - SWIVEL ELBOW



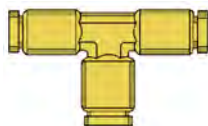
CAT. NO.	TUBE O.D.	MALE PIPE
PP69SA	1/8X1/8	
PP69SAA	5/32X1/8	
PP69SAAC	5/32X1/4	
PP69SB	3/16X1/8	
PP69SC	1/4X1/8	
PP69SCC	1/4X1/4	
PP69SCE	1/4X3/8	
PP69SD	5/16X1/8	
PP69SDD	5/16X1/4	
PP69SDE	5/16X3/8	
PP69SE	3/8X1/8	
PP69SEE	3/8X1/4	
PP69SEEE	3/8X3/8	
PP69SEF	3/8X1/2	
PP69SF	1/2X3/8	
PP69SFF	1/2X1/2	

PP65 - UNION ELBOW



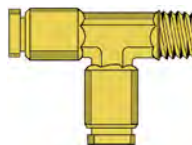
CAT. NO.	TUBE O.D.
PP65A	1/8
PP65AA	5/32
PP65C	1/4
PP65E	3/8
PP65F	1/2

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

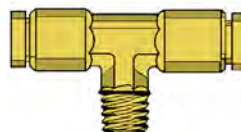


CAT. NO.	TUBE O.D.	MALE PIPE
PP71A	1/8X1/8	
PP71AA	5/32X1/8	
PP71B	3/16X1/8	
PP71C	1/4X1/8	
PP71CC	1/4X1/4	
PP71E	3/8X1/8	
PP71EE	3/8X1/4	
PP71EEE	3/8X3/8	
PP71F	1/2X3/8	

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	

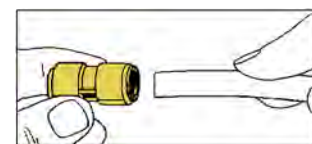
PP72 - MALE BRANCH TEE



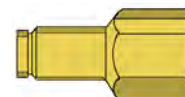
CAT. NO.	TUBE O.D.	MALE PIPE
PP72A	1/8X1/8	
PP72AA	5/32X1/8	
PP72B	3/16X1/8	
PP72C	1/4X1/8	
PP72CC	1/4X1/4	
PP72E	3/8X1/8	
PP72EE	3/8X1/4	
PP72EEE	3/8X3/8	
PP72F	1/2X3/8	

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

PP62LC-DOT	1/4
PP62LE-DOT	3/8
PP62LF-DOT	1/2
PP62LH-DOT	5/8

PP68-DOT -MALE CONNECTOR



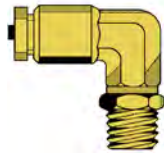
CAT. NO.	TUBE O.D.	MALE PIPE
PP68AAS-DOT	5/32X1/16	
PP68AA-DOT	5/32X1/8	
PP68C-DOT	1/4 X1/8	
PP68CC-DOT	1/4X1/4	
PP68CE-DOT	1/4X3/8	
PP68E-DOT	3/8X1/8	
PP68EE-DOT	3/8X1/4	
PP68EEE-DOT	3/8X3/8	
PP68EF-DOT	3/8X1/2	
PP68F-DOT	1/2X3/8	
PP68FC-DOT	1/2X1/4	
PP68FF-DOT	1/2X1/2	
PP68H-DOT	5/8X1/2	
PP68J-DOT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



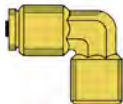
CAT. NO.	TUBE O.D.	MALE PIPE
PP69SC-DOT	1/4X1/8	
PP69SCC-DOT	1/4X1/4	
PP69SCE-DOT	1/4X3/8	
PP69SE-DOT	3/8X1/8	
PP69SEE-DOT	3/8X1/4	
PP69SEEE-DOT	3/8X3/8	
PP69SEF-DOT	3/8X1/2	
PP69SFC-DOT	1/2X1/4	
PP69SF-DOT	1/2X3/8	
PP69SFF-DOT	1/2X1/2	
PP69SHE-DOT	5/8X3/8	
PP69SH-DOT	5/8X1/2	
PP69SJ-DOT	3/4X1/2	
PP69SJJ-DOT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

PP66-DOT FEMALE CONNECTOR



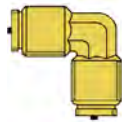
CAT. NO.	TUBE O.D.	FEMALE PIPE
PP66C-DOT	1/4X1/8	
PP66CC-DOT	1/4X1/4	

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

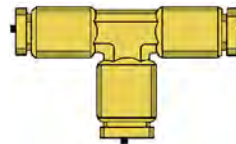


CAT. NO.	TUBE O.D.	MALE PIPE
PP78C-DOT	1/4X1/8	
PP78CC-DOT	1/4X1/4	
PP78E-DOT	3/8X1/8	
PP78EE-DOT	3/8X1/4	
PP78EEE-DOT	3/8X3/8	
PP78EF-DOT	3/8X1/2	
PP78FC-DOT	1/2X1/4	
PP78F-DOT	1/2X3/8	
PP78FF-DOT	1/2X1/2	
PP78H-DOT	5/8X1/2	
PP78HE-DOT	5/8X3/8	
PP78J-DOT	3/4X1/2	
PP78JJ-DOT	3/4X3/4	

SWIVEL

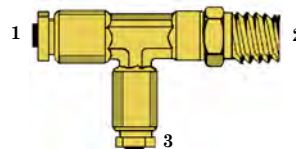
PP78SC-DOT	1/4X1/8
PP78SCC-DOT	1/4X1/4
PP78SE-DOT	3/8X1/8
PP78SEE-DOT	3/8X1/4
PP78SEEE-DOT	3/8X3/8
PP78SFC-DOT	1/2X1/4
PP78SF-DOT	1/2X3/8
PP78SFF-DOT	1/2X1/2

PP64-DOT - TEE

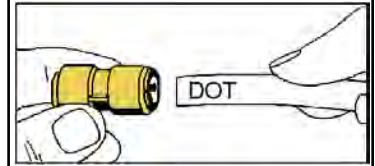


CAT. NO.	TUBE O.D.
PP64C-DOT	1/4
PP64E-DOT	3/8
PP64F-DOT	1/2
PP64H-DOT	5/8
PP64J-DOT	3/4

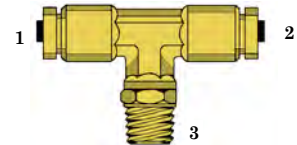
PP71S-DOT - TEE TUBE X MALE PIPE SWIVEL X TUBE



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	

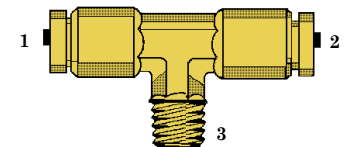


PP72S-DOT - TEE WITH SWIVEL MALE PIPE



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

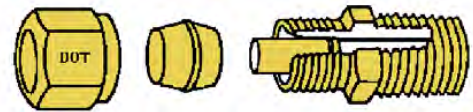
WORKING TEMPERATURE:
-40°F - +200°F

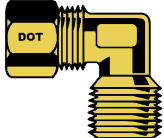
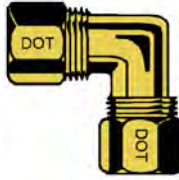
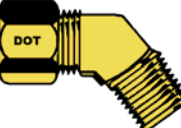
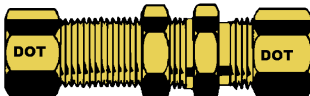
WORKING PRESSURE:
VACUUM TO 250 PSI

**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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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 TH500E 3/8 TH500F 1/2 1000' COILS TH1000A 1/8 TH1000AA 5/32 TH1000C 1/4 DOT SAEJ844 	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																																																																																									
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D.O.T. AIR BRAKE BRASS FITTINGS FOR NYLON TRUCK TUBING. (SAEJ844)

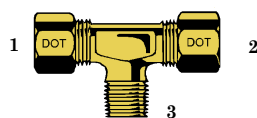
COMPOSITE

TH264 - TEE



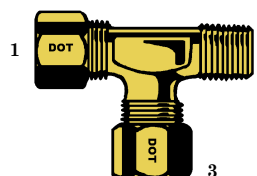
CAT. NO.	TUBE O.D.
TH264C	1/4
TH264E	3/8
TH264F	1/2
TH264H	5/8

TH272 - TEE MALE BRANCH



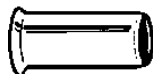
CAT. NO.	1&2 TUBE O.D.	3 MALE PIPE
TH272C	1/4 X 1/8	
TH272CC	1/4 X 1/4	
TH272E	3/8 X 1/8	
TH272EE	3/8 X 1/4	
TH272EEE	3/8 X 3/8	
TH272FC	1/2 X 1/4	
TH272F	1/2 X 3/8	
TH272FF	1/2 X 1/2	
TH272H	5/8 X 1/2	

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

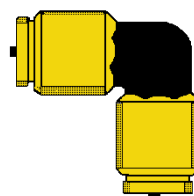
* USE WITH A/B TUBING
 ♦ STAINLESS STEEL
 ** USE WITH A/B & POLY TUBING

CP62 - UNION COMPOSITE UNION PUSH TO CONNECT DOT



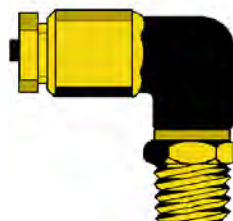
CAT. NO.	TUBE O.D.
CP62C-DOT	1/4
CP62E-DOT	3/8
CP62F-DOT	1/2

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



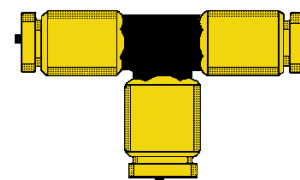
CAT. NO.	TUBE O.D.	MALE PIPE
CP69SC-DOT	1/4 X 1/8	
CP69SCC-DOT	1/4 X 1/4	
CP69SEE-DOT	3/8 X 1/4	
CP69SEEE-DOT	3/8 X 3/8	
CP69SF-DOT	1/2 X 3/8	
CP69SFF-DOT	1/2 X 1/2	

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



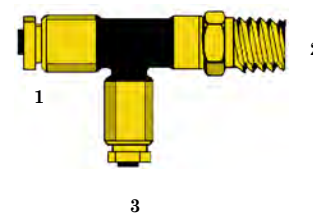
CAT. NO.	TUBE O.D.	MALE PIPE
CP78SC-DOT	1/4 X 1/8	
CP78SCC-DOT	1/4 X 1/4	
CP78SEE-DOT	3/8 X 1/4	
CP78SEEE-DOT	3/8 X 3/8	
CP78SF-DOT	1/2 X 3/8	
CP78SFF-DOT	1/2 X 1/2	

CP64 - TEE COMPOSITE TEE PUSH TO CONNECT DOT TEE



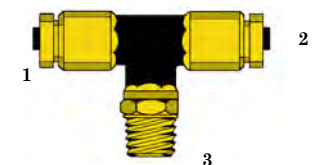
CAT. NO.	TUBE O.D.
CP64C-DOT	1/4
CP64E-DOT	3/8
CP64F-DOT	1/2

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



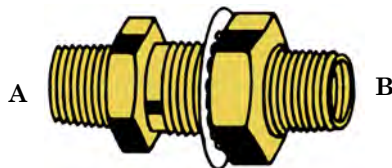
CAT. NO.	MALE PIPE THD.	FEM. PIPE THD.	OVERALL LENGTH
390FC5	1/2	1/4	2&5/32

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



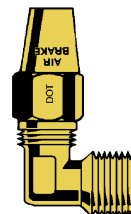
CAT. NO.	TUBE O.D.
262C	1/4
262D	5/16
262E	3/8
262F	1/2
262H	5/8
262J	3/4

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

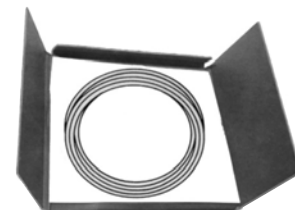


CAT. NO.	TUBE O.D.	MALE PIPE
278C	1/4 X 1/8	
278CC	1/4 X 1/4	
278D	5/16 X 1/8	
278DD	5/16 X 1/4	
278E	3/8 X 1/8	
278EE	3/8 X 1/4	
278EEE	3/8 X 3/8	
278EF	3/8 X 1/2	
278F	1/2 X 3/8	
278FF	1/2 X 1/2	
278H	5/8 X 1/2	

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

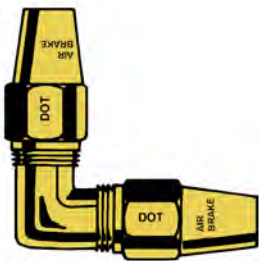
CONTINUED: "COPPER TUBING" AIR BRAKE COMPRESSION BRASS FITTINGS

270 - AIR BRAKE FEMALE ELBOW



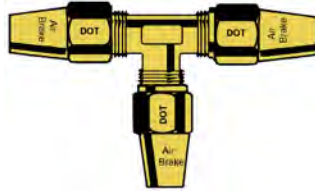
CAT. NO.	TUBE O.D.	FEMALE PIPE
270C	1/4 X 1/8	
270CC	1/4 X 1/4	
270CE	1/4 X 3/8	
270CF	1/4 X 1/2	
270D	5/16 X 1/8	
270DD	5/16 X 1/4	
270E	3/8 X 1/8	
270EE	3/8 X 1/4	
270EEE	3/8 X 3/8	
270F	1/2 X 3/8	
270FC	1/2 X 1/4	
270FF	1/2 X 1/2	
270FJ	1/2 X 3/4	
270H	5/8 X 1/2	
270HE	5/8 X 3/8	
270HJ	5/8 X 3/4	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

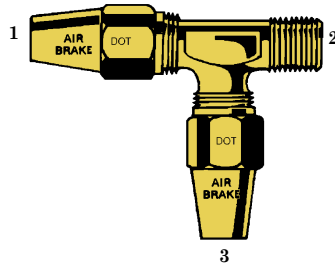
264 - AIR BRAKE TEE



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

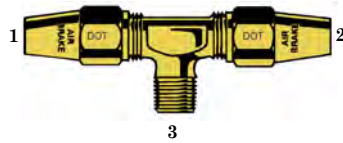
TUBE TO MALE PIPE TO TUBE



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	

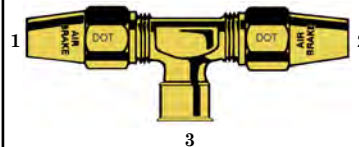
272 - AIR BRAKE BRANCH TEE

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	

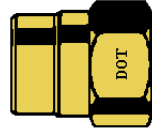
D.O.T. TRUCK AIR BRAKE REUSEABLE HOSE BRASS FITTINGS D.O.T.

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



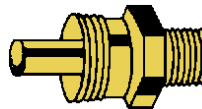
CAT. NO.	HOSE O.D.	HOSE I.D.
371THR-J	3/4 X 3/8	
371THR-M	7/8 X 1/2	

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

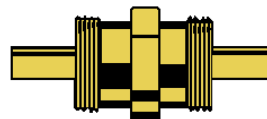


CAT. NO.	HOSE O.D.	HOSE I.D.
ABH50-J	3/4	3/8
SOLD IN 50ft COILS		
ABH250-J	3/4	3/8
SOLD IN 250ft COILS		
ABH50-M	7/8	1/2
SOLD IN 50ft COILS		
ABH250-M	7/8	1/2
SOLD IN 250ft COILS		



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

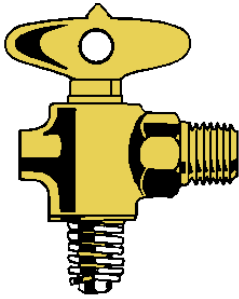
362-BO - AIR BRAKE HOSE UNION BODY ONLY



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

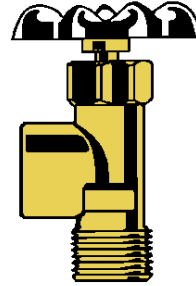


BRASS

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



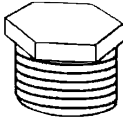
CAT. NO.	EATON FULLER #	TUBE O.D.	MALE PIPE
668A	84002	1/8	1/8
668AS	84001	1/8	1/16
668AA	84004	5/32	1/8
668AAS	84003	5/32	1/16



NYLON PIPE FITTINGS

BRASS GARDEN HOSE FITTINGS

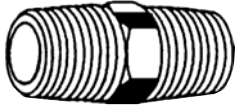
NY109X - NYLON HEX HEAD PIPE PLUG



NYLON

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

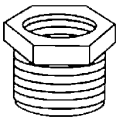
NY112 - NYLON HEX NIPPLE



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	

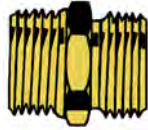
NY110 - NYLON HEX BUSHING



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



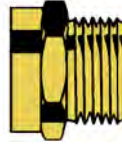
CAT. NO.	MALE G.H.	FEMALE PIPE
746JC	3/4 X 1/4	
746JE	3/4 X 3/8	
746JF	3/4 X 1/2	
746JJ	3/4 X 3/4	

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



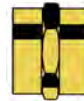
CAT. NO.	FEMALE G.H.	MALE PIPE
758JF	3/4 X 1/2	
758JJ	3/4 X 3/4	
758JJF*	3/4 X 3/4 X *1/2 FEM PIPE TAPPED	

703S - SWIVEL FEMALE UNION



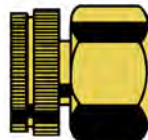
CAT. NO.	SWIVEL G.HOSE	SWIVEL G.HOSE
703SJJ	3/4 X 3/4	

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

CAT.	FEMALE
NO.	GARDEN HOSE
700G	3/4

761 - NUT GARDEN HOSE



CAT.	FEMALE
NO.	GARDEN HOSE
761J	3/4

708 - CAP FEMALE GARDEN HOSE - SOLID TOP



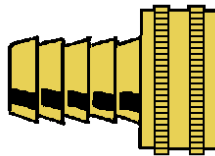
CAT.	FEMALE
NO.	GARDEN HOSE
708J*	3/4
NY708J**	3/4
708JC***	3/4
* BRASS	
** NYLON	
*** BRASS WITH 12" CHAIN	

719 - FEMALE GARDEN HOSE X FEMALE PIPE



CAT.	FEMALE	FEMALE
NO.	G.H.	PIPE
719JA	3/4 X 1/8	
719JC	3/4 X 1/4	

620 - HOSE BARB X FEMALE GARDEN HOSE SWIVEL NUT



	SWIVEL
CAT.	HOSE G.H.
NO.	I.D. 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 .875" WITH ROUND NUT (AS SHOWN)
 ** BARB LENGTH 1.19" WITH HEX NUT (NOT SHOWN)

759 - Y MALE GARDEN HOSE X FEM. GARDEN HOSE



	1&2	3
CAT.	MALE	FEMALE
NO.	G.HOSE	G.HOSE
759J	3/4 X 3/4	

709 - PLUG MALE GARDEN HOSE



CAT.	MALE
NO.	GARDEN HOSE
709J	3/4

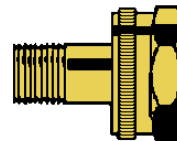
619 - HOSE BARB X MALE GARDEN HOSE



	RIGID
CAT.	HOSE MALE
NO.	I.D. 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

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

712 - MALE PIPE X SWIVEL FEMALE GARDEN HOSE



	SWIVEL
CAT.	MALE G.H.
NO.	PIPE NUT
712CJR	1/4 X 3/4
712EJR	3/8 X 3/4
712FJR	1/2 X 3/4

2CD - EVAPORATIVE COOLER DRAIN WITH LOCK NUT AND GASKET MALE GARDEN HOSE X FEMALE PIPE



	A	B
CAT.	MALE	FEMALE
NO.	G.H.	PIPE
2CDJF	3/4 X 1/2	

676 - CONNECTOR FLARE X SWIVEL FEMALE GARDEN HOSE



	FLARE	SWIVEL
CAT.	TUBE	G.H
NO.	O.D.	NUT
676EJ	3/8 X 3/4	
676FJ	1/2 X 3/4	

636 - CONNECTOR FLARE X FEMALE GARDEN HOSE NON-SWIVEL

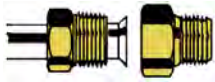


	FLARE	RIGID
CAT.	TUBE	FEMALE
NO.	O.D.	G.HOSE
636EJ	3/8 X 3/4	
636FJ	1/2 X 3/4	
636HJ	5/8 X 3/4	

638 - CONNECTOR FLARE X MALE GARDEN HOSE NON-SWIVEL



	FLARE	RIGID
CAT.	TUBE	MALE
NO.	O.D.	G.HOSE
638EJ	3/8 X 3/4	
638FJ	1/2 X 3/4	
638HJ	5/8 X 3/4	



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

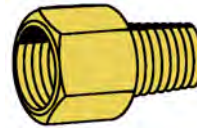
105L - LONG STEEL INVERTED FLARE NUT

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

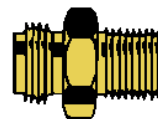
STEEL



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

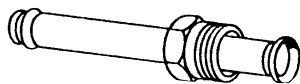
354 - UNION FOR IMPORTED VEHICLES FEM. INV. FLARE (BOTH ENDS)



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



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

240B	3/16 FEMALE INV. X 9/16-18 MALE INV.	

240CB	1/4 X 3/16	
240CD	1/4 X 5/16	

240C	1/4 FEMALE INV. X 9/16-18 MALE INV.	

C4 - FORD TRANSMISSION ADAPTER



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

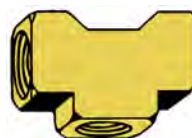
WITH O RING & LOCK NUT

1441 1442 -1443 7935 7936 - 7937 METRIC CONVERSION ADAPTER



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

702 - UNION TEE



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

352 - MALE ELBOW 45° INV.



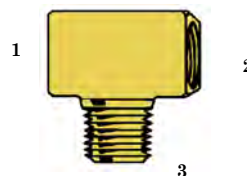
CAT. NO.	FEMALE INV. FLARE PIPE		MALE PIPE	
352B	3/16 X 1/8			
352C	1/4 X 1/8			
352D	5/16 X 1/8			
352DD	5/16 X 1/4			
352EE	3/8 X 1/4			
352F	1/2 X 3/8			
352H	5/8 X 1/2			

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



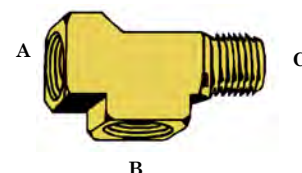
CAT. NO.	FEMALE INV. FLARE TUBE		MALE INV. FLARE TUBE	
240BD-HEX	3/16 X 5/16			
240CD-HEX	1/4 X 5/16			
240CG-20-HEX	1/4 X 7/16-20			
240DD-HEX	5/16 X 5/16			

600 - TEE INV. X MPT



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

7898 - 7900 7901 TOWED TRAILER BRAKE TEES FOR HYDRAULIC BRAKES



CAT. NO.	A FEM INV. SEAT		B FEM INV. SEAT		C MALE INV. THD.	
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

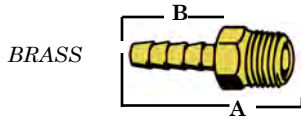


CAT. NO.	INV. FLARE TUBE O.D.		FEMALE PIPE	
450WC	1/4 X 1/8			
450WD	5/16 X 1/8			
450WEE	3/8 X 1/4			

BRASS / NYLON BARB FITTINGS

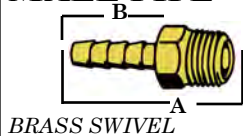
Intended for use with
hose clamps or crimp
type ferrules

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

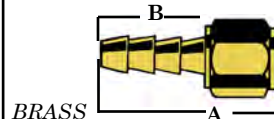
220SW - SWIVEL HOSE BARB X MALE PIPE



BRASS SWIVEL

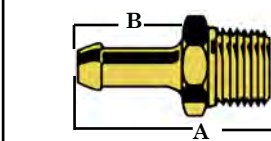
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
220SWCC	1/4 X 1/4		2.14	.96
220SWEE	3/8 X 1/4		2.13	1.03
220SWEEE	3/8 X 3/8		2.13	.97
220SWF	1/2 X 3/8		2.15	.97
220SWFF	1/2 X 1/2		2.36	.97
220SWJJ	3/4 X 3/4		2.35	.97

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



RIGID PIPE

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

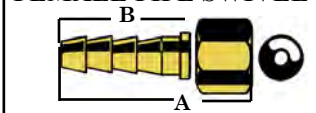
NY222 - NYLON



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

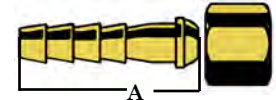
CAT. NO.	HOSE I.D.	HOSE I.D.
NY222RBA	3/16 X 1/8	1.34
NY222RCA	1/4 X 1/8	1.62
NY222RCB	1/4 X 3/16	1.15
NY222REC	3/8 X 1/4	2.05
NY222RFC	1/2 X 1/4	1.72
NY222RFE	1/2 X 3/8	2.03
NY222RHE	5/8 X 3/8	1.74
NY222RHF	5/8 X 1/2	2.03

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 MALE 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



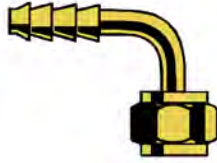
RIGID
INVERTED

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	

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

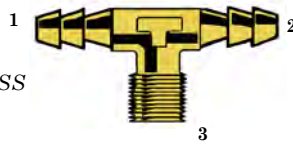
639 - HOSE BARB X 45° MALE FLARE



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	

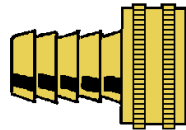
125Q - HOSE BARB TEE X MPT



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	
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"

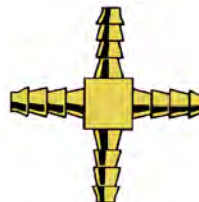
125P - HOSE BARB TEE X FEMALE PIPE



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



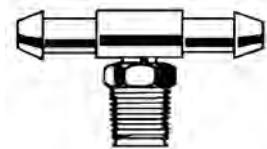
SWIVEL

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

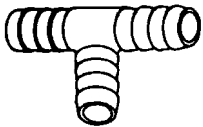
125 - TEE



BRASS

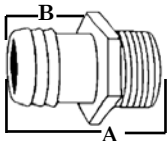
CAT. NO.	HOSE I.D. ALL ENDS
125A	1/8
125B	3/16
125C	1/4
125D	5/16
125E	3/8
125F	1/2
125H	5/8
125J	3/4
125N	1"

NY125 - NYLON HOSE BARB TEE



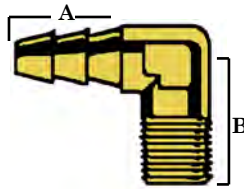
CAT. NO.	NYLON HOSE I.D. ALL ENDS
NY125A	1/8
NY125AA	5/32
NY125B	3/16
NY125C	1/4
NY125D	5/16
NY125E	3/8
NY125F	1/2
NY125H	5/8
NY125J	3/4
NY125N	1"

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

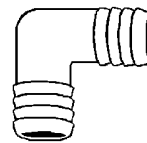
++ 5-BARB CASTING

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

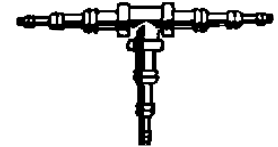
239 - 45° ELBOW HOSE BARB X MALE PIPE



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.

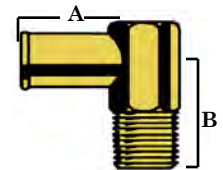
BU222R - UNIVERSAL BREAK AWAY SPLICER



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

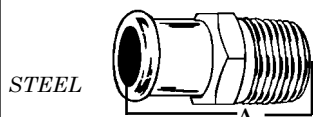
NYLON FITTINGS WORKING PRESSURE AT 73°F 150 PSI MAX TEMP 150°F

Intended for use with hose clamps or crimp type ferrules.

STEEL / BRASS HEATER FITTINGS

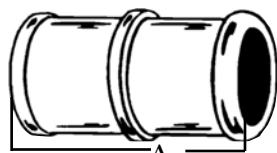
Intended for use with
hose clamps or crimp
type ferrules

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



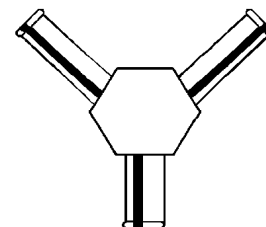
CAT. NO.	HOSE I.D.	A
HE222F	1/2	1.57
HE222H	5/8	1.57
HE222J	3/4	1.57

HE239 - HEATER HOSE 45° ELBOW HOSE X MALE PIPE



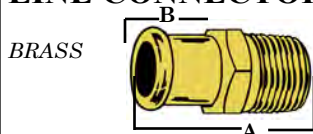
CAT. NO.	HOSE I.D.	MALE PIPE
HE239J	3/4 X 1/2	

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



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

809 - WATER LINE CONNECTOR



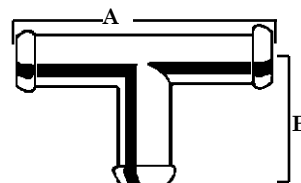
CAT. NO.	HOSE I.D.	MALE PIPE	A	B
809B	3/16 X 1/8		1.06	.47
809C	1/4 X 1/8		1.24	.65
809CC	1/4 X 1/4		1.41	.70
809D	5/16 X 1/8		1.23	.70
809DD	5/16 X 1/4		1.33	.66
809E	3/8 X 1/8		1.34	.80
809EE	3/8 X 1/4		1.44	.80
809EEE	3/8 X 3/8		1.52	.78
809FC	1/2 X 1/4		1.49	.77
809F	1/2 X 3/8		1.66	.87
809HE	5/8 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



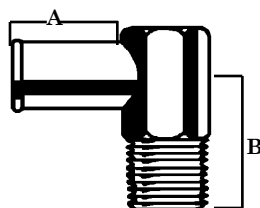
CAT. NO.	HOSE I.D.	HOSE I.D.	A
HE222RHF	5/8 X 1/2		1.50
HE222RJH	3/4 X 5/8		1.50
HE222RNJ	1" X 3/4		1.50

HE125 - HEATER HOSE TEE ALL ENDS HOSE



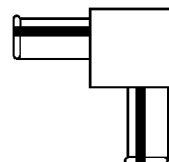
CAT. NO.	HOSE I.D.	A	B
HE125H	5/8	2.88	1.25
HE125J	3/4	2.68	1.20

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

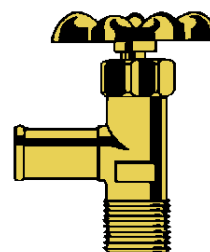
HE235 - HEATER HOSE 90° ELBOW



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

229K - TRUCK SHUT-OFF VALVE

BRASS BODY
WHEEL HANDLE

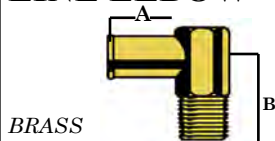


BRASS
150 PSI MAX.

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	

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

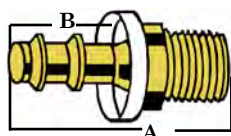
816 - WATER LINE ELBOW



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

BRASS STAYPUT BARB FITTINGS* PUSH-ON TYPE

920 - HOSE STAYPUT BARB X MALE PIPE

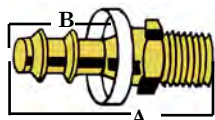


PUSH ON					
CAT. NO.	HOSE I.D.	MALE PIPE	A	B	
920C	1/4 X 1/8		1.42	.87	
920CC	1/4 X 1/4		1.66	.87	
920CE	1/4 X 3/8		1.65	.86	
920D	5/16 X 1/8		1.41	.86	
920DD	5/16 X 1/4		1.54	.87	
920E	3/8 X 1/8		1.54	.95	
920EE	3/8 X 1/4		1.60	.89	
920EEE	3/8 X 3/8		1.62	.87	
920EF	3/8 X 1/2		1.67	.87	
920F	1/2 X 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

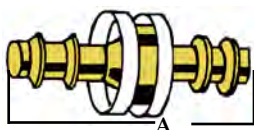
920SWCC	1/4 X 1/4	2.03	.87
920SWEE	3/8 X 1/4	2.12	.97
920SWEEE	3/8 X 3/8	2.12	.97
920SWF	1/2 X 3/8	2.12	.97
920SWFF	1/2 X 1/2	2.33	.97
920SWJJ	3/4 X 3/4	2.80	1.45

905 - HOSE STAYPUT BARB X INV. NUT



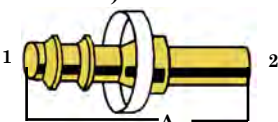
PUSH ON INV. FLARE					
CAT. NO.	HOSE I.D.	FLARE NUT	A	B	
905CB	1/4 X 3/16		1.52	.77	
905CC	1/4 X 1/4		1.55	.87	
905CD	1/4 X 5/16		1.62	.88	
905DC	5/16 X 1/4		1.56	.87	
905DDD	5/16 X 5/16		1.57	.91	
905DE	5/16 X 3/8		1.67	.95	
905ED	3/8 X 5/16		1.72	.97	
905EEE	3/8 X 3/8		1.77	.97	
905FF	1/2 X 1/2		1.96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

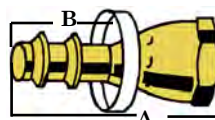
900 - HOSE STAYPUT BARB X FEM. INV. FLARE



PUSH ON 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

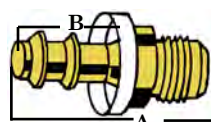
USE #B2 GASKET (NOT INCL.)



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	
JB940EEEE**	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	

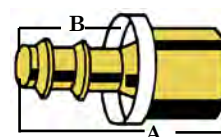
* COMBINATION 37° & 45° FLARE SEAT
** 37° FLARE NUT
OTHER SIZES ARE 45° SEAT

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	

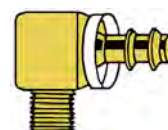
903 - HOSE STAYPUT BARB X FEM. PIPE



RIGID

PUSH ON RIGID. HOSE FEM. PIPE					
CAT. NO.	HOSE I.D.	FEM. 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



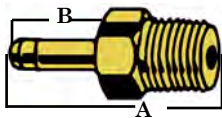
PUSH ON RIGID. HOSE MALE PIPE			
CAT. NO.	HOSE I.D.	MALE PIPE	
929LC	1/4 X 1/8		
929LCC	1/4 X 1/4		
929LD	5/16 X 1/8		
929LDD	5/16 X 1/4		
929LE	3/8 X 1/8		
929LEE	3/8 X 1/4		
929LEEE	3/8 X 3/8		
929LF	1/2 X 3/8		
929LFF	1/2 X 1/2		
929LJJ	3/4 X 3/4		

* 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)

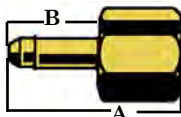
P220 - POLY TUBING BARB X MALE PIPE



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	MALE PIPE	A	B
P220C16	1/4	.170	1/16	.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	(.250 I.D. X .170 I.D.)	.87
P222E	3/8	3/8	.250	.95
P222F	1/2	1/2	.375	1.19
P222FE	1/2	3/8	(.375 I.D. X .250 I.D.)	1.06

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

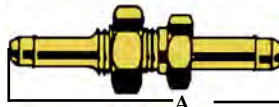
1/4 O.D. 130 PSI

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

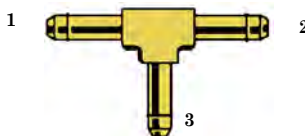
P220L - POLY TUBING ELBOW X MALE PIPE



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



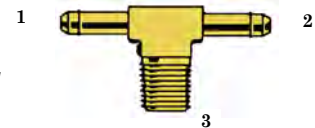
BRASS

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



CAT. NO.	HOSE I.D.	RIGHT HAND FEM. 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. NO.	LEFT 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

1605 - LONG POL NIPPLE X MALE PIPE



CAT. NO.	SIZE
1605	2.34" LONG 1/4 MALE PIPE

224L - LEFT HAND SWIVEL NUT WELDING CONNECTOR



CAT. NO.	HOSE I.D.	LEFT HAND FEMALE 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. NO.	BOTH ENDS RIGHT HAND
232R*	9/16-18 RIGHT HAND WELD THD.

6486 - CONVERSION



CAT. NO.	DESCRIPTION
6486E	3/8 MALE COMP X 9/16-24 FEM FLARE

223R - RIGHT HAND WELDING CONNECTOR

RIGHT HAND THREAD WITH BALL SEAT X TAPER MALE PIPE



RIGHT HAND

CAT. NO.	RIGHT 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

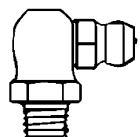
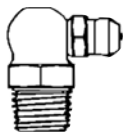
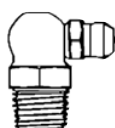
WITH BALL SEAT BOTH ENDS



LEFT HAND

CAT. NO.	BOTH ENDS LEFT HAND
232L*	9/16-18 LEFT HAND WELD THD.

STEEL GREASE FITTINGS

CAT. NO.	CAT. NO.	CAT. NO.	LIST /100	12GR - GREASE FITTING ASSORTMENT  CAT. NO. 12GR 115 PCS CONTENTS: 10 - 7000 10 - 7100 10 - 7200 10 - 7300 10 - 7400 10 - 7010 10 - 7014 10 - 7210 10 - 7410 10 - 7050 5 - 7350 10 - 7029
1/8 MALE PIPE 1/8 MALE PIPE  7000 .69" LENGTH	1/4-28 45° 1/4-28 SHORT THREAD  7210 .81" LENGTH	5/16-24 THREAD  7061 .66" LENGTH		
1/8 MALE PIPE  7003 1.25" LENGTH	1/4-28 90° 1/4-28 SHORT THREAD  7410 .75" LENGTH	3/8-24 THREAD  7062 .62" LENGTH		
30° 1/8 MALE PIPE  7100 .91" LENGTH	1/4 MALE PIPE 1/4 MALE PIPE  7050 .88" LENGTH	METRIC SIZES  CAT. NO. SIZE 8600 6MM 8800 8MM 8100 10MM		
45° 1/8 MALE PIPE  7200 .89" LENGTH	1/4 MALE PIPE 65° 1/4 MALE PIPE  7350 .88" LENGTH	45°  CAT. NO. SIZE 8645 6MM 8845 8MM 8104 10MM		
65° 1/8 MALE PIPE  7300 .84" LENGTH	DRIVE TYPE 3/16 DRIVE TYPE  7033 .52" LENGTH	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			
1/4-28 SHORT  7010 .55" LENGTH	DRIVE TYPE 5/16 DRIVE TYPE  7030 .55" LENGTH			
1/4-28 LONG  7014 .97" LENGTH				

STEEL BRAKE LINES

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

ORDER IN MULTIPLES OF 10

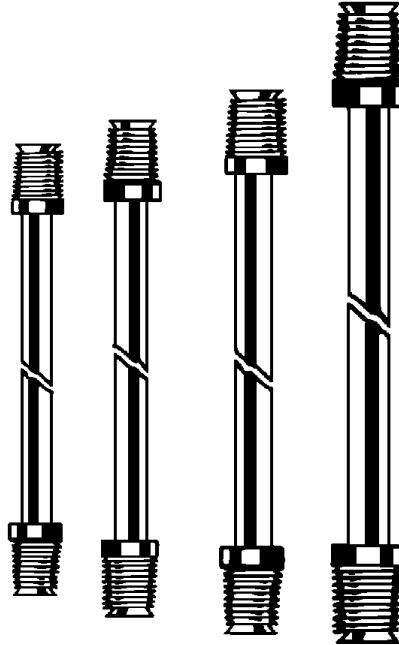
CAT. NO.	LENGTH
308	8"
312	12"
320	20"
330	30"
340	40"
351	51"
360	60"

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"

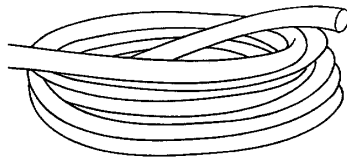
3/8 O.D. LINE PACKED 5 PER BAG

ORDER IN MULTIPLES OF 5

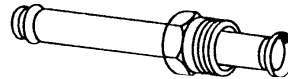
CAT. NO.	LENGTH
608	8"
612	12"
620	20"
630	30"
640	40"
651	51"
660	60"

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

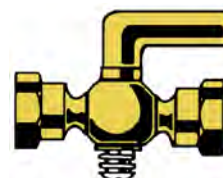
348T -AIR COCK TEE HANDLE ROUND SHOULDER



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

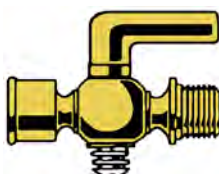
308L -AIR DRAIN COCK LEVER HANDLE HEX SHOULDER



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

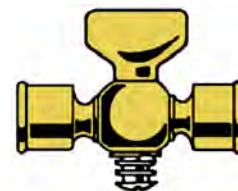
448T -AIR COCK TEE HANDLE HEX SHOULDER



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

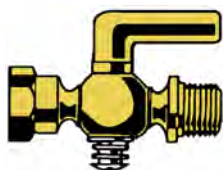
307T -AIR DRAIN COCK TEE HANDLE ROUND SHOULDER



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

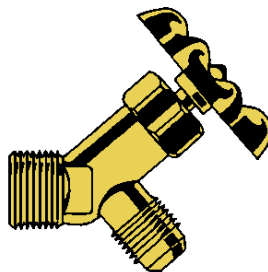
349L -AIR COCK LEVER HANDLE BIBB NOSE DRAIN COCK HEX SHOULDER



100 PSI MAX.

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

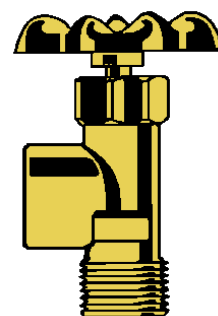
18 - OIL TANK VALVE



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

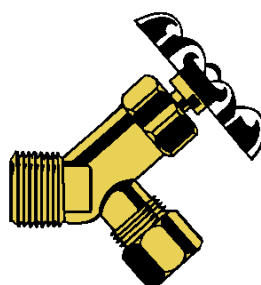
349T -AIR COCK TEE HANDLE BIBB NOSE DRAIN COCK HEX SHOULDER



100 PSI MAX.

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

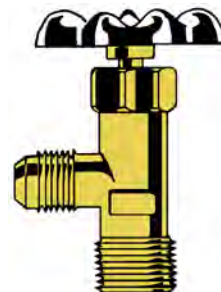
18W -OIL TANK VALVE



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

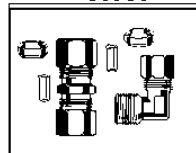
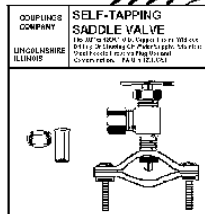
CAT. NO.	TUBE O.D.	MALE PIPE
C123KC	1/4	1/8

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.

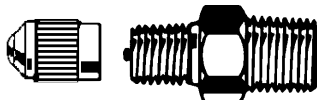
1V - TANK VALVE



200 PSI MAX. NICKEL PLATED
SUPPLIED WITH PLASTIC
VALVE CAP

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

3V - TANK VALVE

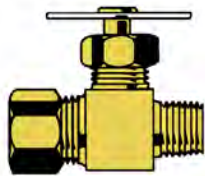


200 PSI MAX. NICKEL PLATED
SUPPLIED WITH PLASTIC
VALVE CAP

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

104K - NEEDLE VALVE

COMPRESSION TUBE X
MALE PIPE

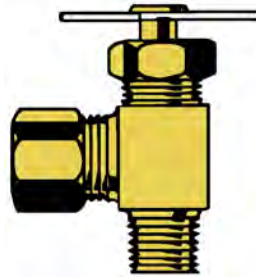


150 PSI MAX.

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

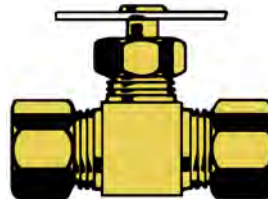


150 PSI MAX

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

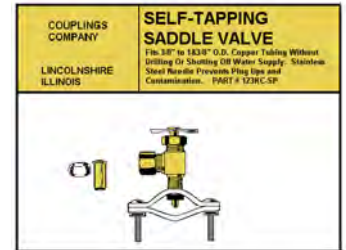


150 PSI MAX.

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

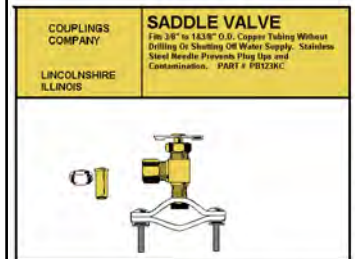


LEAD FREE SELF PIERCING

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

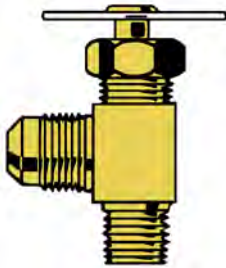
LEAD FREE AVAILABLE UPON
REQUEST

FLARE NEEDLE VALVES*

NEEDLE VALVES "PIPE" / BALL VALVES

103S - NEEDLE VALVE

MALE FLARE X MALE PIPE

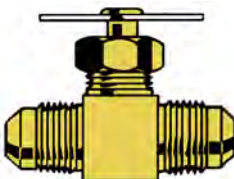


150 PSI MAX.

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

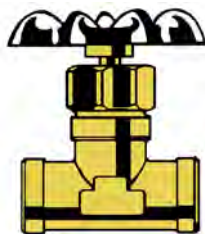


150 PSI MAX.

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



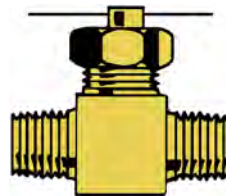
150 PSI MAX.

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

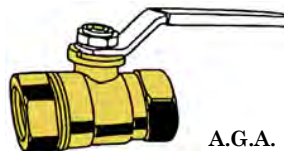


150 PSI MAX.

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

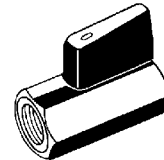


A.G.A.

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

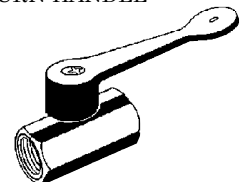
MALE AND FEMALE PIPE (WEDGE HANDLE AS ABOVE)

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

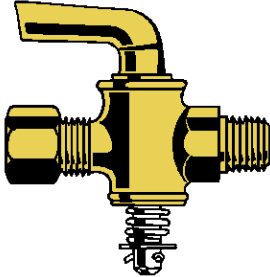
COMPRESSION

FLARED

PIPE

27 - SHUT OFF COCK

COMPRESSION TUBE X
MALE PIPE
FOR AIR OR WATER

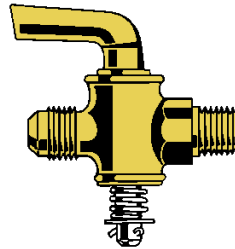


30 PSI MAX.

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

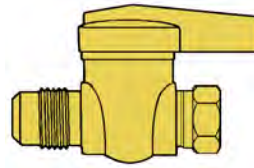


30 PSI MAX.

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

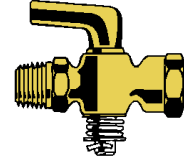
MALE FLARE X FEM. PIPE
AGA APPROVED



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

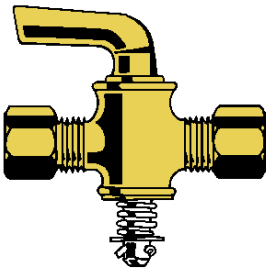
MALE PIPE X FEMALE PIPE
FOR AIR OR WATER ONLY
30 PSI MAX.



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

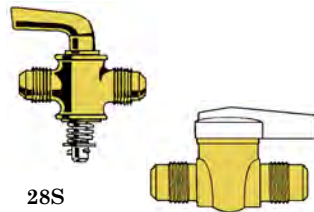


30 PSI MAX.

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



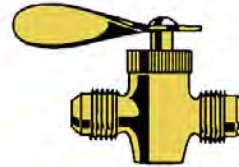
30 PSI MAX.

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

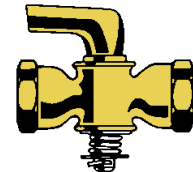


30 PSI MAX. O RING SEAL

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

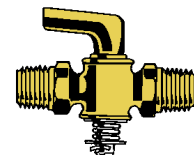
FEM PIPE FOR AIR OR
WATER ONLY 30 PSI MAX.



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.

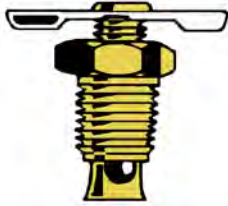


CAT. NO.	MALE PIPE
176A	1/8
176BC*	1/4
176C	1/4
176E	3/8
360° FREE TURNING HANDLE * 150 PSI MAX.	

BRASS DRAIN COCKS AUTOMOTIVE RADIATOR AND INDUSTRIAL USE

9K - DRAIN COCK BACK SEATING TYPE

STEEL HANDLE
EXTERNAL SEAT

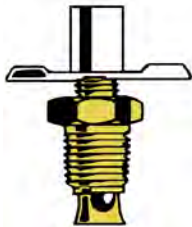


150 PSI MAX.

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

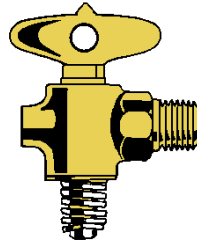
WITH AIR VENT ON SIDE
INTERNAL SEAT
INDUSTRIAL USE



150 PSI MAX.

CAT. NO.	MALE PIPE
12KA	1/8

18K - AIR BRAKE DRAIN COCK TEE HANDLE

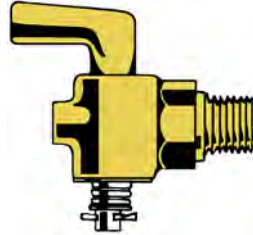


150 PSI MAX.

CAT. NO.	MALE PIPE
18KC	1/4

7L - DRAIN COCK LEVEL HANDLE

"OPEN" FLOW SHOWN

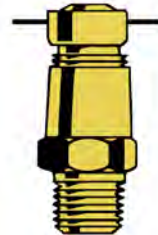


15 PSI MAX.

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

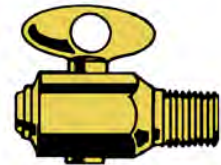
STEEL HANDLE
INTERNAL SEAT



150 PSI MAX.

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

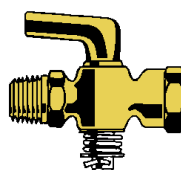
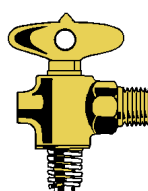
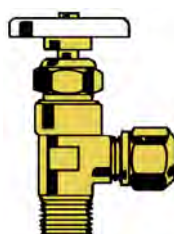
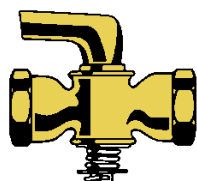
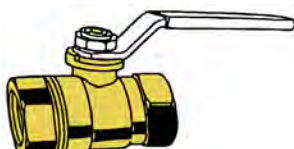
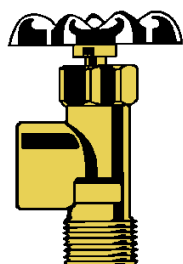
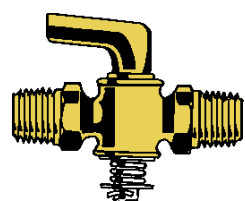
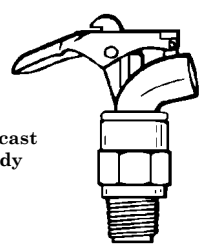
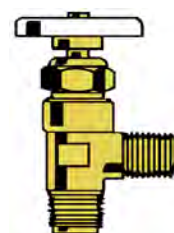
14T - AIR BRAKE DRAIN COCK TEE HANDLE



150 PSI MAX.

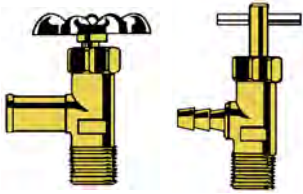
CAT. NO.	MALE PIPE
14TC	1/4

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																											
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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.

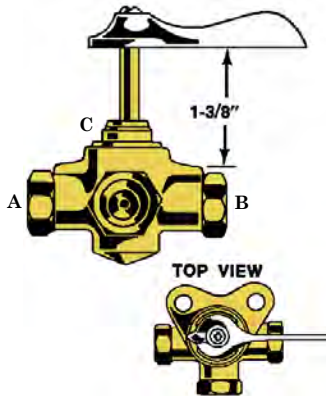
CAT. NO.	HOSE I.D.	MALE PIPE
226KHE	5/8 X 3/8	

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

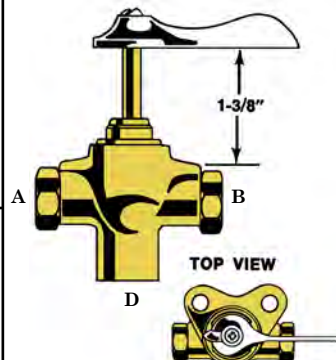


30 PSI MAX.
FLOW: A TO C OR B TO C

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

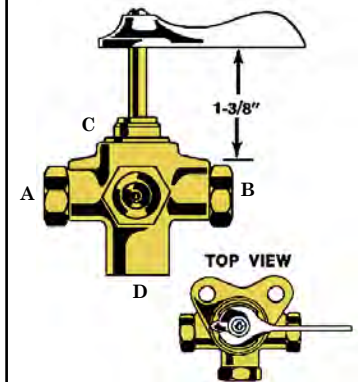


30 PSI MAX.
FLOW: A TO D OR B TO D

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

HANDLE WILL CLICK AT PORT POSITIONS

70L - FOUR WAY TRUCK AUXILIARY TANKS

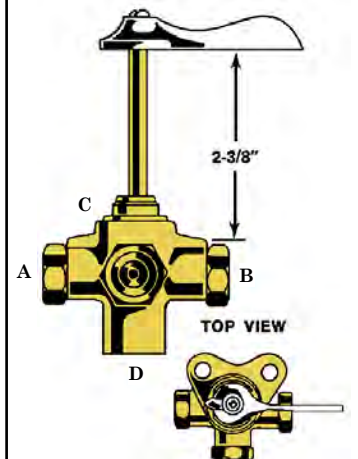


30 PSI MAX. FLOW: A TO D OR B TO D, OR C TO D

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

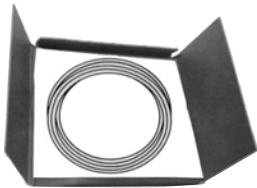
PLASTIC CASE - **DRY**
2&1/2" O.D. 1/4 MALE PIPE

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

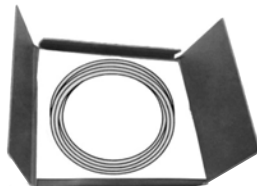


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-1A	1/8	.030
TU-1AA	5/32	.030
TU-1B	3/16	.030
TU-1C	1/4	.030
TU-1D	5/16	.032
TU-1E	3/8	.032
TU-1F	1/2	.032
TU-1G	7/16	.032
TU-1H	5/8	.035
TU-1J	3/4	.035

TU-2 - SOFT REFRIGERATION COPPER TUBING

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

REFRIGERATION

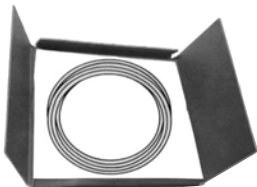


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-2A	1/8	.030
TU-2B	3/16	.030
TU-2C	1/4	.030
TU-2D	5/16	.032
TU-2E	3/8	.032
TU-2F	1/2	.032
TU-2H	5/8	.035
TU-2J	3/4	.035

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

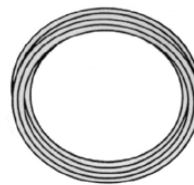


CAT. NO.	TUBE O.D.
AL2A	1/8
AL2B	3/16
AL2C	1/4
AL2D	5/16
AL2E	3/8
AL2F	1/2
AL2H	5/8

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			FLARE X MALE					
N5C 1/4	4		42E 3/8X3/8	3		49EF 3/8X1/2	3	
N5E 3/8	4		42F 1/2X1/2	3		49F 1/2X3/8	3	
N5F 1/2	4		FLARE TEES			49FF 1/2X1/2	3	
			44E 3/8	3		FLARE X FEM. 90°		
			44F 1/2	3		50F 1/2X3/8	3	
FLARE NUTS			48EE 3/8X1/4	3		54EEE 3/8X3/8	3	
41C 1/4	5		48EEE 3/8X3/8	3		FLARE X FEM. 90°		
41E 3/8	10		48EF 3/8X1/2	3		50F 1/2X3/8	3	
41F 1/2	5		48F 1/2X3/8	3		54EEE 3/8X3/8	3	
41H 5/8	3		48FF 1/2X1/2	3		54EF 3/8X1/2	3	
FLARE UNIONS			48H 5/8X1/2	3		54FF 1/2X1/2	3	
42C 1/4X1/4	2		FLARE X MALE 90°			54FJ 1/2X3/4	3	
			49C 1/4X1/8	3		54HJ 5/8X3/4	3	
			49EEE 3/8X3/8	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			COMP. X MALE			COMP X MALE 90°		
60B 3/16	10		L61F 1/2	10		68C 1/4X1/8	5	
60C 1/4	10		L61H 5/8	5		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

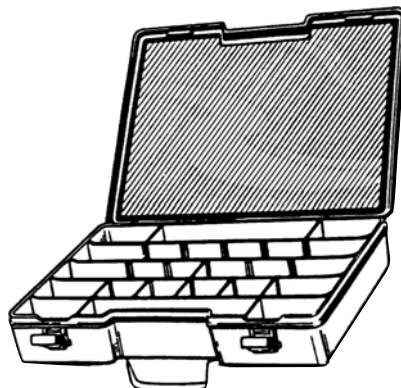


PIPE TEES			HEX BUSHINGS			REDUCERS			45° STREET ELBOW		
101SA 1/8	5		110C 1/4X1/8	10		119C 1/4X1/8	5		124SA 1/8X1/8	5	
101SC 1/4	5		110E 3/8X1/8	10		119EE 3/8X1/4	3		124SC 1/4X1/4	5	
PIPE COUPLINGS			110EE 3/8X1/4	10		REDUCING ADPTR			124SE 3/8X3/8	2	
L103A 1/8	5		110F 1/2X3/8	5		120RCA 1/4X1/8	5		STREET TEES		
L103C 1/4	5		110FC 1/2X1/4	5		120REC 3/8X1/4	5		FEM X MALE X FEM		
L103E 3/8	5		CLOSE NIPPLES						127A 1/8X1/8	3	
109A 1/8	10		112A 1/8	10		STREET ELBOWS			127C 1/4X1/4	3	
109C 1/4	10		112C 1/4	5		116SA-97 1/8	5		FEM X FEM X MALE		
109E 3/8	10		HEX NIPPLES			116SC-97 1/4	5		127SA 1/8X1/8	3	
109XA 1/8	10		112XA 1/8	5		116SE-30 3/8	5		127SC 1/4X1/4	3	
109XC 1/4	10		112XC 1/4	5							
109XE 3/8	10		LONG NIPPLES								
			117A1&1/2 1/8X1.5	5							
			117C1&1/2 1/4 X 1.5	5							

BOX FOR ABOVE ASSORTMENTS

#1936BR

18"W X 12"D X 3"H



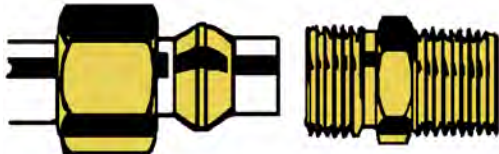
ASSEMBLY INFORMATION

COMPRESSION TUBE FITTINGS

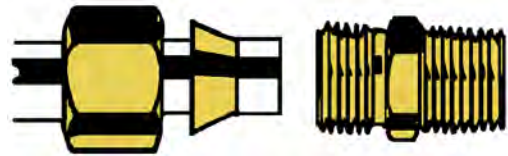
(Do NOT flare tubing)

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

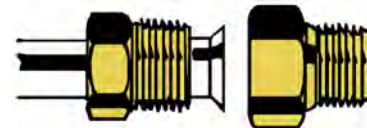
SAE FLARED TUBE FITTINGS

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

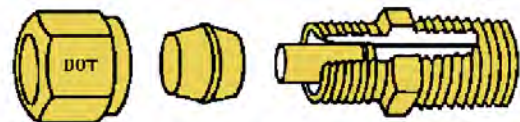


Inverted Flare Assembly

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



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2. The terms and conditions listed on the invoices or packing lists issued by Couplings Company are the terms governing the agreement between the parties. However, in the event that there is a conflict between the terms and conditions listed herein and the terms and conditions listed on the invoices or packing slips covering particular orders, the terms and conditions of the latter shall control the agreement. Acceptance of customer's order is an acceptance only of its request to deliver the merchandise stated therein, and no terms and conditions contained in the customer's purchase order or other documents submitted by the customer to Couplings Company are accepted by Couplings Company.
3. COUPLINGS COMPANY MAKES NO WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, OR OTHERWISE, WHICH EXTEND BEYOND THOSE WARRANTIES LISTED IN PARAGRAPH 4 BELOW. ALL OF THE PRODUCTS SOLD BY COUPLINGS COMPANY ARE FOR PROFESSIONAL USE ONLY. BEFORE USING ANY PRODUCT, CUSTOMER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED PURPOSE AND CUSTOMER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. UNLESS SPECIFICALLY STATED ON THE FACE OF THE INVOICES OR PACKING SLIPS ISSUED BY COUPLINGS COMPANY TO CUSTOMER, NEITHER COUPLINGS COMPANY, NOR ITS OFFICERS, EMPLOYEES, OR AGENTS HAVE ANY KNOWLEDGE OF THE USES TO WHICH THE GOODS PURCHASED WILL BE PUT.
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5. All orders are subject to credit approval. All quotations or offers of sale in any form do not signify or imply that credit has been approved. Should Couplings Company determine at any time that Customer's creditworthiness is in question, or its ability to pay is in doubt, whether the order has been previously accepted or not, Couplings Company reserves the right at our option to either cancel order, withhold shipment or ship the order on a C.O.D. or C.I.A. (Cash In Advance) basis.
6. All sales and all contracts or agreements made by us are contingent upon strikes, fires, accidents, or other causes beyond our control.
7. No claims for shortages or overcharges will be allowed unless made within ten days after receipt of goods.
8. On all orders for special goods we reserve the right to ship ten percent over or under the quantities ordered.
9. Orders are accepted and entered with the understanding that after manufacture has started, material cannot be held for deferred deliveries, or revised or canceled in whole or in part without our being reimbursed for work already performed.
10. **No goods are to be returned to us without our written permission. All goods returned must be in resalable condition. Credit for return goods will be figured on the basis of original selling price or current market price, whichever is lower.**
 - Return Policy:**
 - A 15% handling charge applies to returned merchandise within 1 month of the invoice date.
 - A 25% handling charge applies to returned merchandise 1 month or greater but less than 6 months of the invoice date.
 - A 50% handling charge applies to returned merchandise 6 months or greater but less than 1 year of the invoice date.
 - No returned merchandise will be accepted by Couplings Company after 1 year of the invoice date.
11. Freight Allowances: Standard ground freight prepaid to anywhere in the 48 Contiguous United States on shipments of \$900.00* (*subject to change without notice). This allowance does not apply to assortments and special quoted items.
12. Any tools, patterns, and fixtures developed by Couplings Company for Customer work remains the sole property of Couplings Company and will remain in its possession. There will be no additional charge for upkeep or replacement, but, if at any time a period of two years has elapsed since receipt of an order requiring the use of such tools, patterns or fixtures, Couplings Company may use or dispose of such items in its sole discretion, without any notice or accounting to Customer.
13. Typographical errors are subject to correction.
14. Customer represents and warrants that the material hereby purchased or ordered and the sale or use of it will not infringe the U.S. or foreign intellectual property rights of any third party, and agrees to defend, protect, and save harmless Couplings Company its successors, assigns, customers, and users of its products; against all suits at law or in equity, and from all damages, claims, and demands, for actual or alleged infringement of third party intellectual property rights by reason of the sale or use of the material hereby ordered or purchased.
15. Orders specifying part number(s) other than Couplings Company catalog numbers will be understood to indicate that we are to supply our equivalent part to the part number(s) ordered. "Equivalent to", "equal to", and all such similar phrases are to be understood to denote that Couplings Company will supply parts interchangeable as to thread sizes, and will be of similar shape (such as connector, elbow, tee, etc.). However, variations in material and/or overall dimensions may or may not exist between other Customer's parts as stated in purchase orders or quotation requests, and parts supplied by Couplings Company. Any such variations are deemed acceptable by Customer.
16. We reserve the right to change the specifications or design of any item shown in our catalog.
17. Special parts per Customer's blue-print, sketch, or samples can be furnished upon request. We solicit your inquiries.
18. All quotations are made for immediate acceptance, and prices are subject to change without notice. Orders given to or accepted by salesman or agents are subject to approval and acceptance by Couplings Company Home Office.
19. **WARNING - Lead Notice:** Some Couplings Company products are leaded brass, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling. Leaded brass products are not compliant with the U.S. Safe Water Drinking Act. Only products labeled as "LF" or "Lead Free" in the part number or description are lead-free.

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brassfittings.com



Pipe Fittings



Flare Fittings



Inv Flare



Compression



Poly Tube Brass



Poly Push Brass



Truck Trans



Nylon Truck A/B



**REUSABLE A/B
HOSE ENDS**



**Copper Tube
A/B Fittings**



**DOT Push To
Connect Ftg**



Nylon Pipe Ftg



**Garden Hose
Fittings**



**Hose Barb
Fittings**



**Steel Heater Hose
Fittings**



Grease Fittings

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