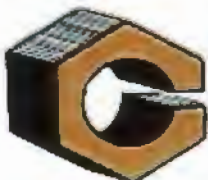


BRASS FITTINGS



COUPLINGS COMPANY, INC.

570 BOND ST LINCOLNSHIRE, IL 60069 TEL (847)634.8990 FAX (847) 634-9282
E-MAIL sales@couplingscompany.com Internet: www.brassfittings.com

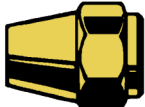
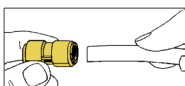
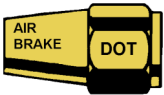
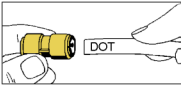
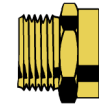
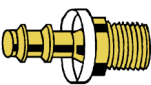
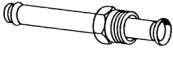
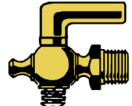
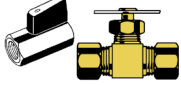
NUMERIC INDEX OF STYLE NUMBERS

ABH21, 22	P103233	55.....6	176B.....43	431L 37
AL2.....45	SD 45	56.....6	200-20226	431T 38
B2 7	ST1 36, 45	60(PL)..... 8	22028	440 LINE..... 36
BFS-PD46	T6.....7	61 / CAP 8	220L.....30	448L(T)..... 37
BFS-(28 / 56)17	TH (TUBE) .. 16, 45	62(L/R) 8	220SW.....28	451 LINE..... 36
BFS-11 - 1646	TH260.....16	64.....10	22128	450W 27
BU125R.....30	TH261.....16	65(R).....10	22228	460 LINE..... 36
BU222R.....30	TH262(L)16	66.....9	222K44	460 8, 13
BVB/L.....40	TH264.....17	67.....9	223L(R)34	461 8, 13, 17
BVS13140, 43	TH265.....16	68.....8	224L(R)34	462 - 472..... 13
C123KC.....39	TH266.....16	69.....9	22528	508 - 560 LINES 36
C1 7	TH268.....16	70.....9	226K44	600 27
C427	TH269.....16	70L(K)44	22728	608 - 612 LINES 36
CL61.....8	TH270.....16	71(S)10	227K44	619(L) 25, 29
CS618, 11	TH271.....17	72(S)10	22828	620 LINE..... 36
CS62-72.....11	TH272.....17	75.....8	229K 20, 31, 44	620(L) 25, 29
DR (RACK)36	TH278.....16	76(T)10	23129	621 - 627..... 34
E4 6	TH396..... 16, 22	77(S)9	232L(R)34	630 LINE..... 36
ES2 6	TH461.....17	78.....9	23530	636 25
ES4.....7	TU (TUBING)18, 45	80L44	23930	638 25
FB110.....1	U47	81L9	24027	63929
G42.....5	UR3.....7	90L44	25026	640 LINE..... 36
GF (GAUGE).....45	US3.....7	95L44	26018	640(L) 29
H28(S)41	US4.....5	100(S)2	26118	651 - 660 LINES 36
HE125(Y)31	VT10045	101(S)3	262(L).....18	660 - 662..... 20
HE22031	1K42	1023	26419	668 20
HE222(R)31	1V39	103.....1	26519	669 20
HE22931	2CD25	103K.....39	26618	67625
HE23531	3V39	103S.....40	26818	686 9
HE23931	7L42	104.....1	26918	700G 25
JB94032	9K42	104K39	27019	70227
K123KC.....39	10K42	104S.....40	27119	703(S) 24
L41 5	1110	105(L/S).....26	272(S).....19	708, 709..... 25
L61 8	11K42	105K40	27619	71225
L62 8	1210	106K39	27818	719-68..... 9, 24, 39
L6410	12GR.....35	106S.....40	30226	71925
L6510	12K 40, 42	108.....1	307L(T)37	746 24
L66 9	14T 42, 43	108K40	308 LINE36	748 24
L68 8	15W43	109(X/W/U).....1	308L(T)37	756(S) 24
L69 9	17S43	110.....1	312 - 330 LINES 36	757, 758..... 24
L103 1	18(W) 20,38	110K40	331L(T)37	75925
N4 5	18K 20, 42, 43	111.....1	340 LINE36	76125
N5, N7..... 5	19 38, 44	112.....1, 4	348L(T)37	80528
NS4 5	19TH.....43	112(R/X)1	349L(T)38	809 28, 31
NT100R.....45	20J43	116(L/R/S)2	351 LINE36	815L(T)..... 29
NY109X.....24	21 20, 38, 43	117.....4	35227	816 30, 31
NY110 - 11224	21K(W).....44	118.....3	35326	83929
NY12530	27(S).....41	119.....1	35426	860 8, 12
NY222(R)28	28(S).....41	120(L/R/S)4	360 LINE36	861 8, 12
NY23530	3141	123.....39	36021	862 - 878..... 12
NY70825	415	124(S)2	36121	900 - 905..... 32
PB123KC 39	425	125.....30	362(-BO)21	920(SW)..... 32
PG SERIES..... 14	446	125(P/Q)29	368(-BO)21	922(T) 32
PL222 33	456	127(S/V/W/Z)3	37121	929 - 940..... 32
PLUG1 33	45S.....7	129.....2	371THR(SCR).....21	1428 - 1429.. 26, 36
PP62-72S..... 15	465	130(S)2	376L(T)38	1441/1443. 26, 27, 36
PP DOT SERIES23	477	131..... 41, 43	37821	1514..... 26
PT10014, 45	485	131B43	390 - 392 1, 22	1601-1605..... 34
P2 5	496	141.....5	39622	6486E 34
P125(Q) 33	506	148.....41	398(-BO)22	6846C 7, 10
P220(L) 33	517	148B43	400 - 40227	7000 - 7410..... 35
P221, P222 33	53, 53V.....6	15029	408 LINE36	7898 7900 7901 . 27
P231 33	53T, W7	161.....8	40926	7935 - 7937..... 27
P235 33	54(S).....6	176.....41	412 - 430 LINES 36	8100 - 8890..... 35

TABLE OF CONTENTS

PIPE FITTINGS	1 - 4	HEATER FITTINGS.....	31
FLARE FITTINGS	5 - 7	BRASS STAYPUT PUSH-ON BARB...32	
COMPRESSION FITTINGS:	8 - 10	BARBS POLY TUBING.....	33
CAPTIVE SLEEVE.....	11	WELDING / POL / RADIANT HTR	34
STASTRATE SLEEVE	12	GREASE FITTINGS	35
FOR POLY TUBING.....	13 - 14	BRAKE LINES (STEEL)	36
POLY PUSH	15	AIR COCKS.....	37 - 38
AIR BRAKE FITTINGS.....	16 - 23	TRUCK VALVES	38, 43-44
REUSEABLE.....	21 - 22	NEEDLE VALVES /ICE MAKER	39 - 40
DOT PUSH-IN.....	23	BALL VALVES	40
NYLON PIPE FITTINGS.....	24	SHUT-OFF COCKS	41 - 44
GARDEN HOSE (BRASS)	24 - 25	DRAIN COCKS	42
INVERTED FLARE	26 - 27	TUBING, GAUGES.....	49 - 50
BARBS.....	28 - 30	ASSORTMENTS	46

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 NYLON TUBING  16R - 17R
AIR BRAKE COPPER TUBING  18R - 19R	TRANSMISSION  20R	REUSEABLE AIR BRAKE  21R - 22R	AIR BRAKE PUSH TO CONN.  23R	GARDEN HOSE  24R - 25R	INVERTED FLARE  26R - 27R	HOSE BARBS  28R - 31R
STEEL HEATER FITTINGS  31R	PUSH-ON HOSE BARBS  32R	POLY TUBING BARBS  33R	GREASE FTGS  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"	1.40	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
----------	-----------	-------------	-----	----------

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

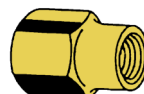


CAT. NO.	FEMALE PIPE	OVERALL HEX LENGTH
103A*	1/8	9/16 .73
L103A	1/8	1/2 .73
103C*	1/4	3/4 1.12
L103C	1/4	5/8 .88
103E*	3/8	7/8 1.12
L103E	3/8	13/16 1"
103F*	1/2	1&1/16 1.50
L103F	1/2	15/16 1.20
103J	3/4	1.25 1.20
103N**	1"	1.71

* 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

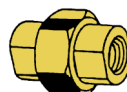
111 - LOCKNUT STRAIGHT PIPE THREAD (NPSL)



CAT. NO.	THICK
111A	1/8 3/16
111C	1/4 1/4
111E	3/8 5/16
111F	1/2 1/4
111J	3/4 5/16
111N*	1" 7/16

*CAST BRASS

104 - UNION (3PC)



CAT. NO.	FEMALE PIPE	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"		2.11

* 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-R*	1"	1.50

* RED BRASS

LONG NIPPLES SOLD ON P. 4P

112X - HEX NIPPLE



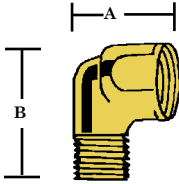
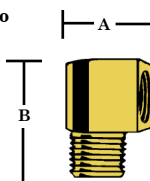
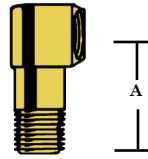
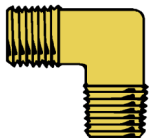
CAT. NO.	MALE PIPE	OVERALL LENGTH
112XA	1/8	.97
112XC	1/4	1.12
112XC-80	1/4	1.38
112XE	3/8	1.31
112XE-80	3/8	1.41
112XF	1/2	1.50
112XF-80	1/2	1.81
112XJ	3/4	1.56
112XN	1"	2.315

112R - HEX NIPPLE REDUCING SIZES



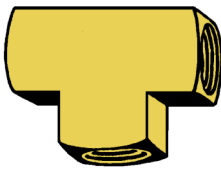
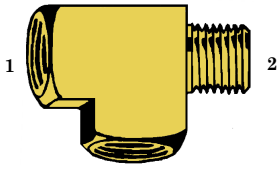
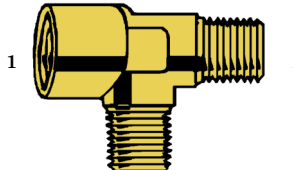
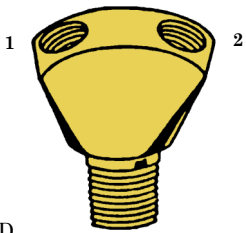
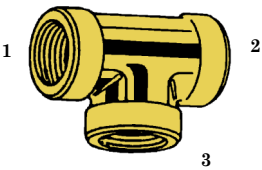
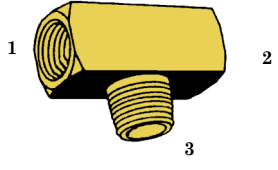
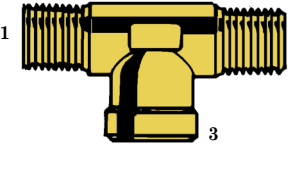
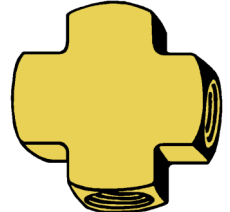
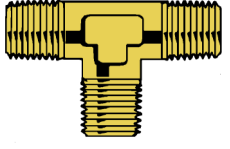
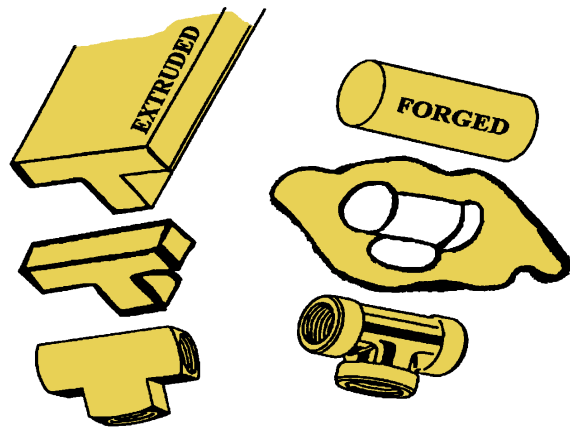
CAT. NO.	MALE PIPE	MALE PIPE	OVER-ALL LENG.
112RCA	1/4 X 1/8		1.04
112REA	3/8 X 1/8		1.12
112REC	3/8 X 1/4		1.19
112RFC	1/2 X 1/4		1.34
112RFE	1/2 X 3/8		1.40
112RJF	3/4 X 1/2		1.50

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 colspan="2">A .85 B 1.14</td></tr><tr><td>116C</td><td>1/4</td></tr><tr><td colspan="2">A .70 B 1.24</td></tr><tr><td>116E</td><td>3/8</td></tr><tr><td colspan="2">A 1.00 B 1.46</td></tr><tr><td>116F</td><td>1/2</td></tr><tr><td colspan="2">A 1.34 B 1.96</td></tr><tr><td>116J</td><td>3/4</td></tr><tr><td colspan="2">A 1.37 B 2.03</td></tr><tr><td>116J-39*</td><td>3/4</td></tr><tr><td colspan="2">A 1.65 B 2.34</td></tr><tr><td>116N*</td><td>1"</td></tr><tr><td colspan="2">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 colspan="3">A - .71 B - 1.22</td></tr><tr><td>116RCE</td><td>1/4</td><td>3/8</td></tr><tr><td colspan="3">A - 1.27 B - 1.39</td></tr><tr><td>116REC</td><td>3/8</td><td>1/4</td></tr><tr><td colspan="3">A - .84 B - 1.35</td></tr><tr><td>116REF</td><td>3/8</td><td>1/2</td></tr><tr><td colspan="3">A - 1.16 B - 1.73</td></tr><tr><td>116RFE</td><td>1/2</td><td>3/8</td></tr><tr><td colspan="3">A - 1.34 B - 1.88</td></tr></table>	CAT. NO.	PIPE SIZE	116A	1/8	A .85 B 1.14		116C	1/4	A .70 B 1.24		116E	3/8	A 1.00 B 1.46		116F	1/2	A 1.34 B 1.96		116J	3/4	A 1.37 B 2.03		116J-39*	3/4	A 1.65 B 2.34		116N*	1"	A 1.97 B 2.95		CAT. NO.	FEMALE PIPE	MALE PIPE	116RAC	1/8	1/4	A - .71 B - 1.22			116RCE	1/4	3/8	A - 1.27 B - 1.39			116REC	3/8	1/4	A - .84 B - 1.35			116REF	3/8	1/2	A - 1.16 B - 1.73			116RFE	1/2	3/8	A - 1.34 B - 1.88			124S - 45° STREET ELBOW  EXTRUDED BRASS <table><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>MALE PIPE</th></tr><tr><td>124SA</td><td>1/8 X 1/8</td><td></td></tr><tr><td>124SC</td><td>1/4 X 1/4</td><td></td></tr><tr><td>124SE</td><td>3/8 X 3/8</td><td></td></tr><tr><td>124SF</td><td>1/2 X 1/2</td><td></td></tr><tr><td>124SJ</td><td>3/4 X 3/4</td><td></td></tr></table>	CAT. NO.	FEMALE PIPE	MALE PIPE	124SA	1/8 X 1/8		124SC	1/4 X 1/4		124SE	3/8 X 3/8		124SF	1/2 X 1/2		124SJ	3/4 X 3/4									
CAT. NO.	FEMALE PIPE																																																																																																																							
100SA	1/8																																																																																																																							
100SC	1/4																																																																																																																							
100SE	3/8																																																																																																																							
100SF	1/2																																																																																																																							
100SJ	3/4																																																																																																																							
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																																																																																																																							
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 colspan="2">A-.55 B-.83</td></tr><tr><td>116SA-LONG</td><td>1/8</td></tr><tr><td colspan="2">A-.69 B-.94</td></tr><tr><td>116SA-80</td><td>1/8</td></tr><tr><td colspan="2">A-.72 B-.95</td></tr><tr><td>116SC-97</td><td>1/4</td></tr><tr><td colspan="2">A-.73 B-1.12</td></tr><tr><td>116SC-LONG</td><td>1/4</td></tr><tr><td colspan="2">A-.94 B-1.23</td></tr><tr><td>116SC-80</td><td>1/4</td></tr><tr><td colspan="2">A-.73 B-1.25</td></tr><tr><td>116SE-30</td><td>3/8</td></tr><tr><td colspan="2">A-.83 B-1.41</td></tr><tr><td>116SE-LONG</td><td>3/8</td></tr><tr><td colspan="2">A-1.08 B-1.40</td></tr><tr><td>116SF</td><td>1/2</td></tr><tr><td colspan="2">A-1.10 B-1.65</td></tr><tr><td>116SJ</td><td>3/4</td></tr><tr><td colspan="2">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 colspan="2">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 2&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 2&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																																																																																																																							
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																																																																																																																							
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																																																																																																																								
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 2&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*																																																																																																																							
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"																																																																																																																							
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																																																																																																																							
130SA	1/8																																																																																																																							
130SC	1/4																																																																																																																							
130SE	3/8																																																																																																																							
CAT. NO.	FEMALE PIPE																																																																																																																							
129A	1/8																																																																																																																							
129C	1/4																																																																																																																							
129E	3/8																																																																																																																							
129F	1/2																																																																																																																							
129J	3/4																																																																																																																							
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></th><th>1&3</th><th>2</th></tr><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>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>		1&3	2	CAT. NO.	FEMALE PIPE	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></th><th>1</th><th>2&3</th></tr><tr><th>CAT. NO.</th><th>FEM. PIPE</th><th>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>		1	2&3	CAT. NO.	FEM. PIPE	MALE PIPE	127ZA	1/8 X 1/8		127ZC	1/4 X 1/4		118MPT - Y  FORGED <table><tr><th></th><th>1&2</th><th>3</th></tr><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>MALE PIPE</th></tr><tr><td>118MPT-C</td><td>1/4 X 1/4</td><td></td></tr></table>		1&2	3	CAT. NO.	FEMALE PIPE	MALE PIPE	118MPT-C	1/4 X 1/4															
CAT. NO.	FEMALE PIPE																																																																						
101SA	1/8																																																																						
101SC	1/4																																																																						
101SE	3/8																																																																						
101SF	1/2																																																																						
101SJ	3/4																																																																						
	1&3	2																																																																					
CAT. NO.	FEMALE PIPE	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																																																																						
	1	2&3																																																																					
CAT. NO.	FEM. PIPE	MALE PIPE																																																																					
127ZA	1/8 X 1/8																																																																						
127ZC	1/4 X 1/4																																																																						
	1&2	3																																																																					
CAT. NO.	FEMALE PIPE	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></th><th>1&2</th><th>3</th></tr><tr><th>CAT. NO.</th><th>FEMALE PIPE</th><th>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		1&2	3	CAT. NO.	FEMALE PIPE	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></th><th>1&2</th><th>3</th></tr><tr><th>CAT. NO.</th><th>MALE PIPE</th><th>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>		1&2	3	CAT. NO.	MALE PIPE	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																																																																						
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"																																																																						
	1&2	3																																																																					
CAT. NO.	FEMALE PIPE	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																																																																						
	1&2	3																																																																					
CAT. NO.	MALE PIPE	FEMALE PIPE																																																																					
127VA	1/8 X 1/8																																																																						
127VC	1/4 X 1/4																																																																						
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"																																																																						
REDUCING SIZES <table><tr><th></th><th>1</th><th>2</th><th>3</th></tr><tr><td>101AAC</td><td>1/8X1/8X1/4</td><td></td><td></td></tr><tr><td>101CCA</td><td>1/4X1/4X1/8</td><td></td><td></td></tr><tr><td>101CCE</td><td>1/4X1/4X3/8</td><td></td><td></td></tr><tr><td>101EEC</td><td>3/8X3/8X1/4</td><td></td><td></td></tr><tr><td>101FFC*</td><td>1/2X1/2X1/4</td><td></td><td></td></tr><tr><td>101FFE*</td><td>1/2X1/2X3/8</td><td></td><td></td></tr><tr><td>101JFF*</td><td>3/4X3/4X1/2</td><td></td><td></td></tr></table> * BRASS CASTING		1	2	3	101AAC	1/8X1/8X1/4			101CCA	1/4X1/4X1/8			101CCE	1/4X1/4X3/8			101EEC	3/8X3/8X1/4			101FFC*	1/2X1/2X1/4			101FFE*	1/2X1/2X3/8			101JFF*	3/4X3/4X1/2			127W - TEE MALE PIPE  FORGED <table><tr><th>CAT. NO.</th><th>MALE PIPE</th></tr><tr><td>127WA</td><td>1/8</td></tr><tr><td>127WC</td><td>1/4</td></tr><tr><td>127WE</td><td>3/8</td></tr><tr><td>127WF</td><td>1/2</td></tr></table>	CAT. NO.	MALE PIPE	127WA	1/8	127WC	1/4	127WE	3/8	127WF	1/2	LEAD FREE PIPE FITTINGS AVAIL ON REQUEST 																											
	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																																																																						
CAT. NO.	MALE PIPE																																																																						
127WA	1/8																																																																						
127WC	1/4																																																																						
127WE	3/8																																																																						
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"
RED BRASS - LEAD FREE	
117A3&1/2	3.5"
117A4	4"
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"
RED BRASS - LEAD FREE	
117F3	3"
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-R*	1"	1.50
* RED BRASS		

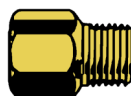
120L - ADAPTER EXTENSION

EXTRA LONG



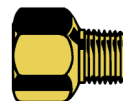
CAT. NO.	FEMALE/ MALE PIPE	OVERALL LENGTH (A)
120LA1	1/8	1.250"
120LA2	1/8	1.750"
120LC1	1/4	1.563"
120LC2	1/4	1.813"
120LC3	1/4	2.063"
120LC4	1/4	2.500"

120 - EXTENSION ADAPTER



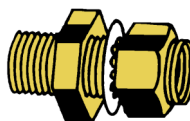
CAT. NO.	FEMALE PIPE	MALE PIPE	OVER ALL HEX LENG
120A	1/8 X 1/8	1/2	.83
120C	1/4 X 1/4	5/8	1"
120E	3/8 X 3/8	13/16	1.13
120F	1/2 X 1/2	15/16	1.30
120J	3/4 X 3/4	3/8	1.69

120R - ADAPTER REDUCING



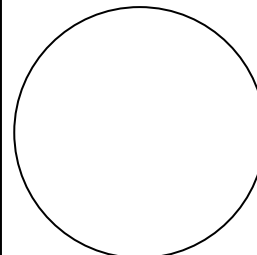
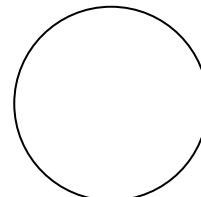
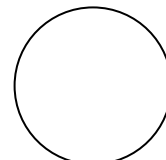
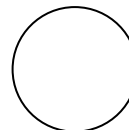
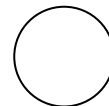
CAT. NO.	FEMALE PIPE	MALE PIPE	OVER ALL HEX LENG
120RCA	1/4 X 1/8	5/8	.88
120REA	3/8 X 1/8	7/8	1.07
120REC	3/8 X 1/4	13/16	1.25
120RFC	1/2 X 1/4	15/16	1.21
120RFE	1/2 X 3/8	15/16	1.21
120RJE	3/4 X 3/8	1.375	1.50
120RJF	3/4 X 1/2	1.25	1.20

BULKHEAD COUPLINGS



SEE PAGE 22R

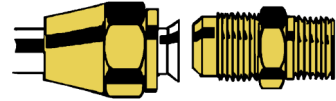
ADDITIONAL SIZES & STAINLESS NIPPLES ARE AVAILABLE ON REQUEST



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.

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

FLARED BRASS FITTINGS (45° FLARE)



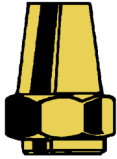
41 - NUT ROD L41 SHORT



CAT NO.	TUBE O.D.	HEX	OVER-ALL LENG
41A	1/8	3/8	.75
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

*PLUMBING 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



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

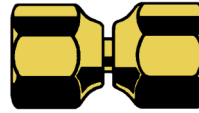
* EXTRA HEAVY
USE #B2 GASKET

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

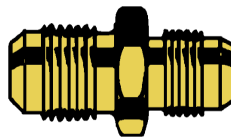
CAT NO.	TUBE O.D.	TUBE O.D.
US4EC	3/8 X 1/4	
US4FE	1/2 X 3/8	
US4HF	5/8 X 1/2	

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

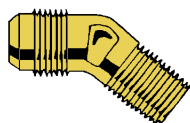


FORGED

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

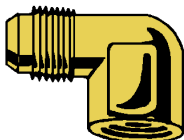


FORGED

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

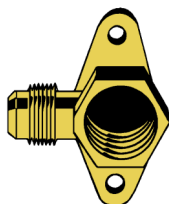
50 - FEMALE ELBOW



FORGED

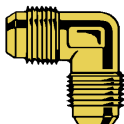
CAT. NO.	TUBE O.D.	FEM. PIPE
50B	3/16 X 1/8	
50C	1/4 X 1/8	
50CC	1/4 X 1/4	
50CE	1/4 X 3/8	
50CF	1/4 X 1/2	
50D	5/16 X 1/8	
50DD	5/16 X 1/4	
50E	3/8 X 1/8	
50EE	3/8 X 1/4	
54EEE	3/8 X 3/8	
54EF	3/8 X 1/2	
54EJ	3/8 X 3/4	
50F	1/2 X 3/8	
50FC	1/2 X 1/4	
54FF	1/2 X 1/2	
54FJ	1/2 X 3/4	
54H	5/8 X 1/2	
50HE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

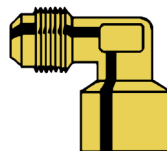
55 - UNION ELBOW



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

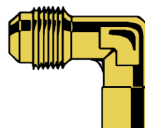
E4 - ELBOW TUBE X FEMALE FLARE THREAD



NOTE: USE PROPER SIZE B2 GASKET ON FEMALE FLARE END

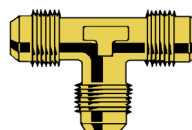
CAT. NO.	MALE FLARE	FEM. FLARE
E4C	1/4 X 1/4	
E4E	3/8 X 3/8	
E4F	1/2 X 1/2	

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

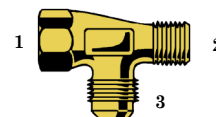
CAT. NO.	TUBE O.D.
44A	1/8
44B	3/16
44C*	1/4
44D	5/16
44E	3/8
44F	1/2
44H	5/8
44J	3/4
44M	7/8

* BARSTOCK

REDUCING SIZES AVAILABLE ON REQUEST

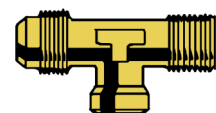
**LEAD FREE FLARE
AVAILABLE ON
REQUEST**

53 - TEE FEMALE PIPE X MALE PIPE X TUBE



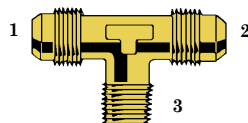
CAT. NO.	FEM. PIPE	MALE PIPE	TUBE O.D.
53C	1/8X1/8	1/4	1/4
53CC	1/4X1/4	1/2	1/2
53EE	1/4X1/4	3/8	3/8

53V - TEE TUBE X MALE PIPE X FEMALE PIPE



CAT. NO.	TUBE O.D.	MALE PIPE	FEM. PIPE
53VECA	3/8X1/4	1/4	1/8

45 - MALE BRANCH TEE



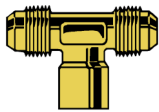
FORGED

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)

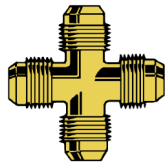
T6 - TEE TUBE X TUBE X FEMALE FLARE



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

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

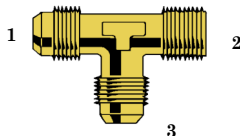
C1 - CROSS



ALL ENDS TUBE

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

51 - MALE RUN TEE

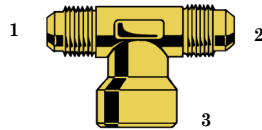


FORGED

CAT. NO.	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	

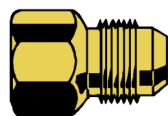
**LEAD FREE FLARE
AVAILABLE ON
REQUEST**

45S - FEMALE BRANCH TEE



CAT. NO.	1&2 TUBE O.D.	3 FEM. PIPE
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. NO.	FEM. FLARE	MALE FLARE
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	

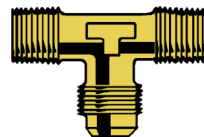
B1 - BONNET 45° FLARE COPPER



BLOCKS FLOW

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

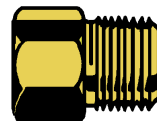
53W - TEE MALE PIPE X MALE PIPE X TUBE



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

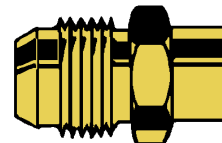
U4 - CONNECTOR FEMALE FLARE BOTH ENDS



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

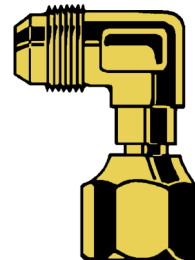
CAT. NO.	FLARE O.D.	FLARE O.D.
U4C	1/4 X 1/4	
U4E	3/8 X 3/8	
U4F	1/2 X 1/2	

US3 - SOLDER CONNECTOR FLARE TUBE X SOLDER TUBE



CAT. NO.	FLARE TUBE O.D.	SOLDER TUBING O.D.
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	

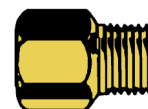
ES4 - ELBOW TUBE X SWIVEL FORGED FLARE NUT



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

6846 - CONVERSION

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



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

STANDARD



STAstrate



COMPRESSION BRASS FITTINGS

60 - SLEEVE BRASS

STANDARD



CAT. NO.	TUBE O.D.	A
60A	1/8	
60B	3/16	
60C	1/4	
60D	5/16	
60E	3/8	
L60F	1/2	.307
60F*	1/2	.38
60G	7/16	
L60H	5/8	.317
60H*	5/8	.38
60J	3/4	
60M	7/8	

* HEAVY / THICK 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
461J	3/4"	.559

*USE WITH A/B TUBING

61 - NUT STANDARD



CAT. NO.	TUBE O.D.	HEX
61A	1/8	
61B	3/16	
61C	1/4	
61D	5/16	
61E	3/8	
L61F	1/2	.75
61F*	1/2	.81
61G	7/16	
L61H	5/8	.90
61H*	5/8	.94
61J	3/4	
61M	7/8	

*HEAVY 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



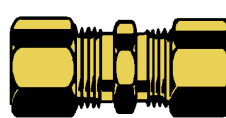
CAT. NO.	TUBE O.D.
61C-CAP	1/4
61E-CAP	3/8
61F-CAP	1/2
61H-CAP	5/8

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

*HEAVY STYLE

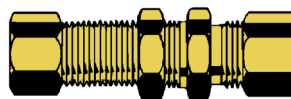
REDUCING



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

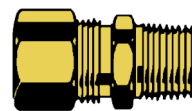


PLASTIC FOR POLYETHYLENE TUBING

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



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"	

* HEAVY 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

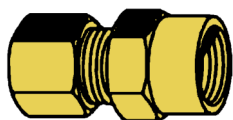
USE IN PLACE OF SLEEVE

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



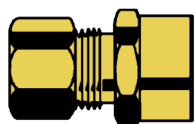
CAT. NO.	TUBE O.D.	FEM. PIPE
66A	1/8 X 1/8	
66B	3/16 X 1/8	
66BB	3/16 X 1/4	
66C	1/4 X 1/8	
66CC	1/4 X 1/4	
66CE	1/4 X 3/8	
66CF	1/4 X 1/2	
66D	5/16 X 1/8	
66DD	5/16 X 1/4	
66DE	5/16 X 3/8	
66E	3/8 X 1/8	
66EE	3/8 X 1/4	
77EEE**	3/8 X 3/8	
77EF**	3/8 X 1/2	
66EJ	3/8 X 3/4	
77F**	1/2 X 3/8	
66FC	1/2 X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

* HEAVY STYLE
** SLIP-THRU TANK STYLE

**LEAD FREE
COMPRESSION
AVAILABLE ON
REQUEST**

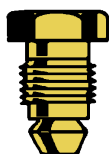
77S - SOLDER CONNECTOR

TUBE X SOLDER END
TANK TYPE



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

81L - PILOT LINE CONTROL NUT FOR THERMOSTATS BREAKAWAY SLEEVE



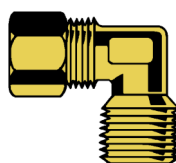
CAT. NO.	TUBE O.D.
81LC	1/4

67 - PLUG BLOCKS END OF TUBING



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

69 - MALE ELBOW

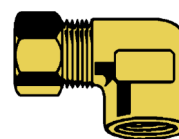


FORGED

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	

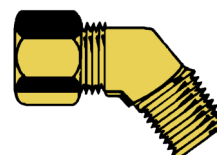
* BAR STOCK
** HEAVY STYLE

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

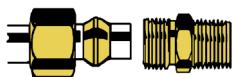


CAT. NO.	TUBE O.D.	MALE PIPE
78B	3/16 X 1/8	
78C	1/4 X 1/8	
78CC	1/4 X 1/4	
78D	5/16 X 1/8	
78DD	5/16 X 1/4	
78E	3/8 X 1/8	
78EE	3/8 X 1/4	
78EEE	3/8 X 3/8	
78F	1/2 X 3/8	
78FF	1/2 X 1/2	
78H	5/8 X 1/2	

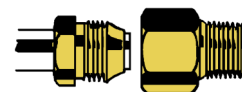
686 - CONVERSION WITH NYLON WASHER



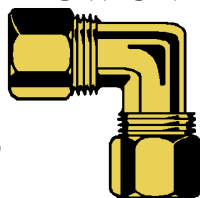
CAT. NO.	FEMALE COMPR.	MALE COMPR.
686EC	3/8 X 1/4	
686FE*	1/2 X 3/8	
*BODY ONLY CHROME PLATED		



COMPRESSION / DOUBLE COMPRESSION



65 - ELBOW UNION

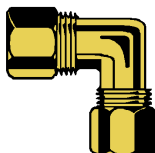


FORGED

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
** HEAVY STYLE

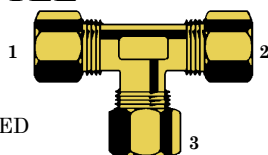
65R - REDUCING UNION ELBOW



FORGED

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

64 - TEE



FORGED

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

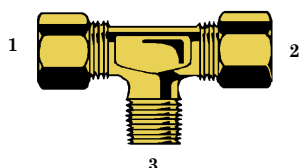
* BAR STOCK
** HEAVY STYLE

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

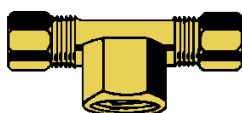


FORGED

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	

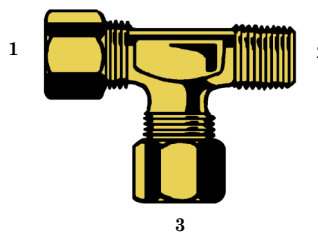
72S - TEE

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	

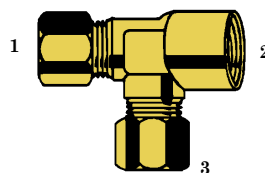
71 - MALE RUN TEE



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

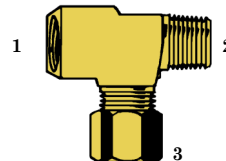
TUBE X FEMALE PIPE X TUBE



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

76 - TEE

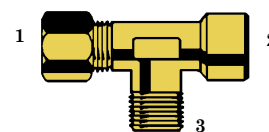
FEMALE X MALE X TUBE



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		

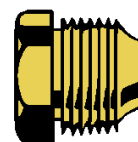
76T - TEE

TUBE X FEMALE & MALE PIPE



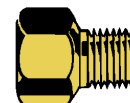
CAT. NO.	1 TUBE O.D.	2 FEM. PIPE	3 MALE PIPE
76TCAA	1/4 X 1/8 X 1/8		
76TCCC	1/4 X 1/4 X 1/4		

11 - DOUBLE COMPRESSION NUT



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

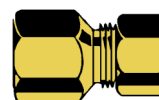
12 - DOUBLE COMPRESSION MALE CONNECTOR



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

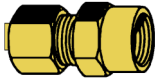
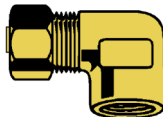
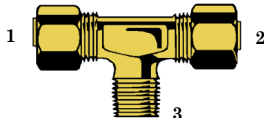
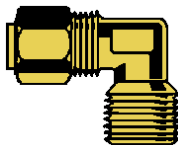
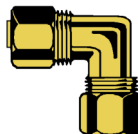
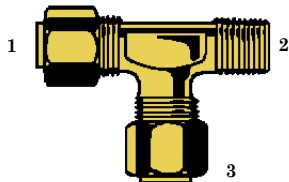
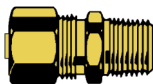
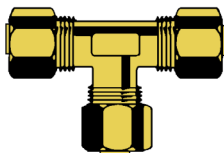


CAT. NO.	FEMALE FLARE	MALE COMP.
6846C	1/4 X 1/4	

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

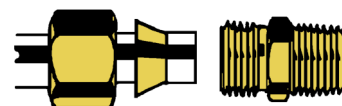
SURE SEAL "CAPTIVE SLEEVE" HEAVY DUTY BRASS FITTINGS

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	
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																																																																																																																																																																																		
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																																																																																																																																																																																		
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																																																																																																																																																																																		
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																																																																																																																																																																																		
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																					
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																																																																																																																																																																																		
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																																																																																																																																																																																		
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																																																																																																																																																																																		
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																																																																																																																																																																																		
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																																																																																			
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"																																																																																																																																																																																		
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																																																																																																																																																																																		

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



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

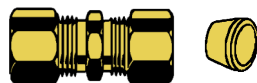
STAstrate



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

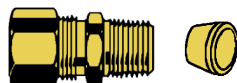
STAstrate SLEEVE



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.

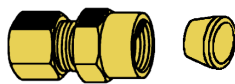
STAstrate SLEEVE



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

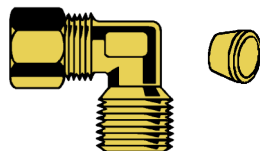
STAstrate SLEEVE



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 SLEEVE

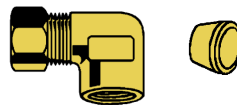


CAT. NO.	TUBE O.D.	MALE PIPE
869A	1/8 X 1/8	
869B	3/16 X 1/8	
869BB	3/16 X 1/4	
869C	1/4 X 1/8	
869CC	1/4 X 1/4	
869CE	1/4 X 3/8	
869D	5/16 X 1/8	
869DD	5/16 X 1/4	
869E	3/8 X 1/8	
869EE	3/8 X 1/4	
869EEE	3/8 X 3/8	
869EF	3/8 X 1/2	
869EJ	3/8 X 3/4	
869F	1/2 X 3/8	
869FC	1/2 X 1/4	
869FF	1/2 X 1/2	
869FJ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

**LEAD-FREE
AVAILABLE ON
REQUEST**

870 - FEM. ELBOW

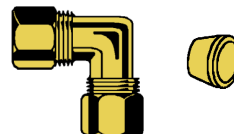
STAstrate SLEEVE



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

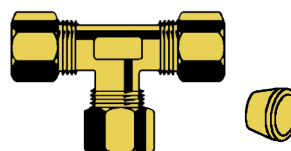
STAstrate SLEEVE



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

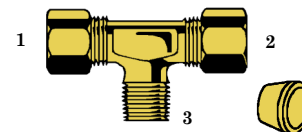
STAstrate SLEEVE



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

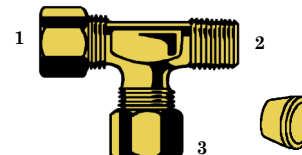
WITH MALE PIPE
STAstrate SLEEVE



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

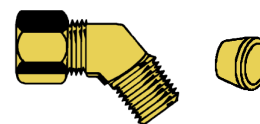
STAstrate SLEEVE



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	

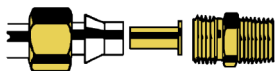
878 - 45° M. ELBOW

STAstrate 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



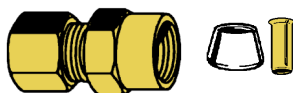
CAT. NO.	POLY TUBE O.D.
462C	1/4
462D	5/16
462E	3/8
462F	1/2
462H	5/8

468 - MALE CONNECTOR



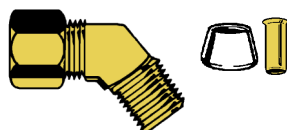
CAT. NO.	POLY TUBE O.D.	MALE PIPE
468C	1/4 X 1/8	
468CC	1/4 X 1/4	
468D	5/16 X 1/8	
468DD	5/16 X 1/4	
468E	3/8 X 1/8	
468EE	3/8 X 1/4	
468EEE	3/8 X 3/8	
468EF	3/8 X 1/2	
468EJ	3/8 X 3/4	
468F	1/2 X 3/8	
468FF	1/2 X 1/2	
468FJ	1/2 X 3/4	
468H	5/8 X 1/2	
468HJ	5/8 X 3/4	

466 - FEMALE CONNECTOR



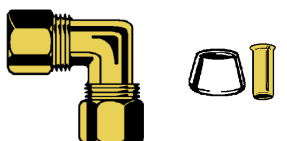
CAT. NO.	POLY TUBE O.D.	FEM. PIPE
466C	1/4 X 1/8	
466CC	1/4 X 1/4	
466CE	1/4 X 3/8	
466D	5/16 X 1/8	
466DD	5/16 X 1/4	
466E	3/8 X 1/8	
466EE	3/8 X 1/4	
466EEE	3/8 X 3/8	
466EF	3/8 X 1/2	
466EJ	3/8 X 3/4	
466F	1/2 X 3/8	
466FF	1/2 X 1/2	
466FJ	1/2 X 3/4	
466H	5/8 X 1/2	
466HJ	5/8 X 3/4	

478 - 45° MALE ELBOW



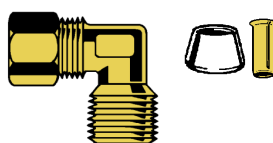
CAT. NO.	POLY TUBE O.D.	MALE PIPE
478C	1/4 X 1/8	
478CC	1/4 X 1/4	
478D	5/16 X 1/8	
478DD	5/16 X 1/4	
478E	3/8 X 1/8	
478EE	3/8 X 1/4	
478EEE	3/8 X 3/8	
478F	1/2 X 3/8	
478FF	1/2 X 1/2	
478H	5/8 X 1/2	

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



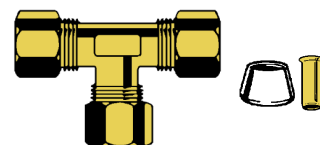
CAT. NO.	POLY TUBE O.D.	MALE PIPE
469C	1/4 X 1/8	
469CC	1/4 X 1/4	
469CE	1/4 X 3/8	
469CF	1/4 X 1/2	
469D	5/16 X 1/8	
469DD	5/16 X 1/4	
469DE	5/16 X 3/8	
469DF	5/16 X 1/2	
469E	3/8 X 1/8	
469EE	3/8 X 1/4	
469EEE	3/8 X 3/8	
469EF	3/8 X 1/2	
469EJ	3/8 X 3/4	
469F	1/2 X 3/8	
469FC	1/2 X 1/4	
469FF	1/2 X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



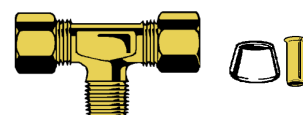
CAT. NO.	POLY TUBE O.D.	FEM. PIPE
470C	1/4 X 1/8	
470CC	1/4 X 1/4	
470CE	1/4 X 3/8	
470CF	1/4 X 1/2	
470D	5/16 X 1/8	
470DD	5/16 X 1/4	
470E	3/8 X 1/8	
470EE	3/8 X 1/4	
470EEE	3/8 X 3/8	
470EF	3/8 X 1/2	
470EJ	3/8 X 3/4	
470F	1/2 X 3/8	
470FC	1/2 X 1/4	
470FF	1/2 X 1/2	
470FJ	1/2 X 3/4	
470H	5/8 X 1/2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



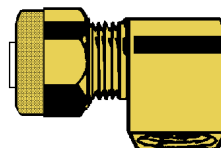
CAT. NO.	POLY TUBE O.D.
PG60C	1/4
PG60D	5/16
PG60E	3/8
PG60F	1/2

PG68 - MALE CONNECTOR



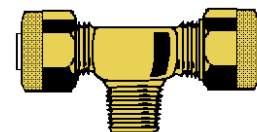
CAT. NO.	POLY TUBE O.D.	MALE PIPE
CS68A*	1/8 X	1/8
CS68B*	3/16 X	1/8
PG68C	1/4 X	1/8
PG68CC	1/4 X	1/4
PG68CE	1/4 X	3/8
PG68D	5/16 X	1/8
PG68DD	5/16 X	1/4
PG68E	3/8 X	1/8
PG68EE	3/8 X	1/4
PG68EEE	3/8 X	3/8
PG68F	1/2 X	3/8

PG70 - FEMALE 90° ELBOW



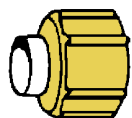
CAT. NO.	POLY TUBE O.D.	FEMALE PIPE
CS70A*	1/8 X	1/8
CS70B*	3/16 X	1/8
PG70C	1/4 X	1/8
PG70CC	1/4 X	1/4
PG70EE	3/8 X	1/4
PG70F	1/2 X	3/8

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



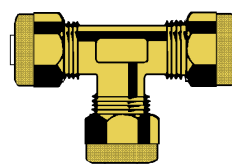
CAT. NO.	POLY TUBE O.D.
CS61-A*	1/8
CS61-B*	3/16
PG6160C	1/4
PG6160E	3/8
PG6160F	1/2

PG66 - FEMALE CONNECTOR



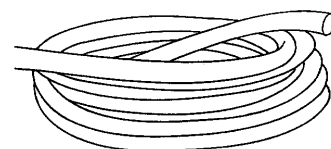
CAT. NO.	POLY TUBE O.D.	FEMALE PIPE
CS66A*	1/8 X	1/8
CS66B*	3/16 X	1/8
PG66C	1/4 X	1/8
PG66CC	1/4 X	1/4
PG66D	5/16 X	1/8
PG66DD	5/16 X	1/4
PG66E	3/8 X	1/8
PG66EE	3/8 X	1/4
PG66F	1/2 X	3/8

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



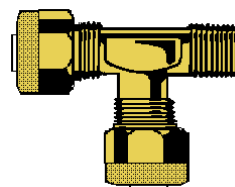
FDA APPROVED. SOLD IN 100FT COILS (NOT RECOMMENDED FOR NATURAL GAS)
COLOR: NATURAL
ORDER PER COIL

PG61 - BRASS NUT



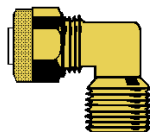
CAT. NO.	POLY TUBE O.D.
PG61C	1/4
PG61D	5/16
PG61E	3/8
PG61F	1/2

PG71 - MALE RUN TEE



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

PG69 - MALE 90° ELBOW



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

PG62 - UNION



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

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

WORKING PSI & TEMPERATURE RANGES DEPENDENT ON POLY TUBING

* ITEMS SUPPLIED WITH BRASS CAPTIVE SLEEVE AND NO INSERT

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

POLY PUSH “BRASS” FITTINGS

NOT FOR TRUCK USE

SEE PAGE 23R

PP62 - UNION



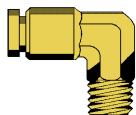
CAT. NO.	TUBE O.D.
PP62A	1/8
PP62AA	5/32
PP62B	3/16
PP62C	1/4
PP62D	5/16
PP62E	3/8
PP62F	1/2
UNION BULKHEAD	
PP62LA	1/8
PP62LAA	5/32
PP62LC	1/4
PP62LE	3/8
PP62LF	1/2

PP68 - MALE CONNECTOR



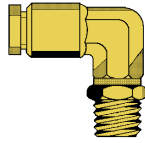
CAT. NO.	TUBE O.D.	MALE PIPE
PP68AS	1/8 X	1/16
PP68A	1/8 X	1/8
PP68AA	5/32 X	1/8
PP68AAC	5/32 X	1/4
PP68AAA	5/32X10/32	
PP68B	3/16 X	1/8
PP68C	1/4 X	1/8
PP68CC	1/4 X	1/4
PP68CE	1/4 X	3/8
PP68D	5/16 X	1/8
PP68DD	5/16 X	1/4
PP68E	3/8 X	1/8
PP68EE	3/8 X	1/4
PP68EEE	3/8 X	3/8
PP68EF	3/8 X	1/2
PP68FC	1/2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

PP69 - MALE ELBOW



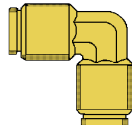
CAT. NO.	TUBE O.D.	MALE PIPE
PP69A	1/8 X	1/8
PP69AA	5/32 X	1/8
PP69B	3/16 X	1/8
PP69C	1/4 X	1/8
PP69CC	1/4 X	1/4
PP69CE	1/4 X	3/8
PP69E	3/8 X	1/8
PP69EE	3/8 X	1/4
PP69EEE	3/8 X	3/8
PP69FC	1/2 X	1/4
PP69F	1/2 X	3/8
PP69FF	1/2 X	1/2

PP69S - SWIVEL ELBOW



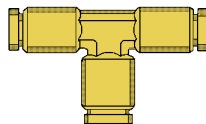
CAT. NO.	TUBE O.D.	MALE PIPE
PP69SA	1/8X1/8	
PP69SAA	5/32X1/8	
PP69SAAC	5/32X1/4	
PP69SB	3/16X1/8	
PP69SC	1/4X1/8	
PP69SCC	1/4X1/4	
PP69SCE	1/4X3/8	
PP69SD	5/16X1/8	
PP69SDD	5/16X1/4	
PP69SDE	5/16X3/8	
PP69SE	3/8X1/8	
PP69SEE	3/8X1/4	
PP69SEEE	3/8X3/8	
PP69SEF	3/8X1/2	
PP69SF	1/2X3/8	
PP69SFF	1/2X1/2	

PP65 - UNION ELBOW



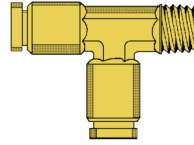
CAT. NO.	TUBE O.D.
PP65A	1/8
PP65AA	5/32
PP65C	1/4
PP65E	3/8
PP65F	1/2

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

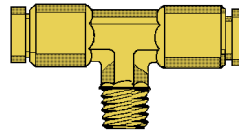


CAT. NO.	TUBE O.D.	MALE PIPE
PP71A	1/8X1/8	
PP71AA	5/32X1/8	
PP71B	3/16X1/8	
PP71C	1/4X1/8	
PP71CC	1/4X1/4	
PP71E	3/8X1/8	
PP71EE	3/8X1/4	
PP71EEE	3/8X3/8	
PP71F	1/2X3/8	

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	

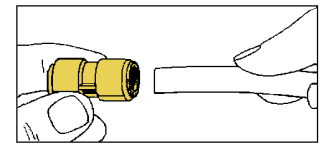
PP72 - MALE BRANCH TEE



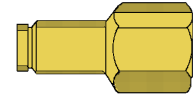
CAT. NO.	TUBE O.D.	MALE PIPE
PP72A	1/8X1/8	
PP72AA	5/32X1/8	
PP72B	3/16X1/8	
PP72C	1/4X1/8	
PP72CC	1/4X1/4	
PP72E	3/8X1/8	
PP72EE	3/8X1/4	
PP72EEE	3/8X3/8	
PP72F	1/2X3/8	

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

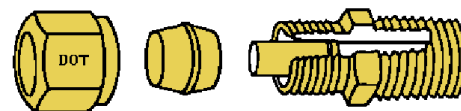
WORKING PSI UP TO MAX. PSI OF PLASTIC TUBE. FOR SOFT COPPER TUBE, MAX. OF 750 PSI IS RECOMMENDED

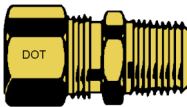
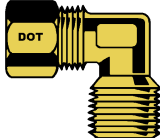
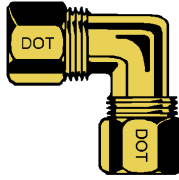
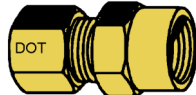
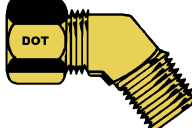
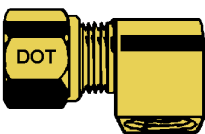
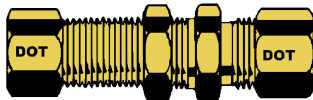
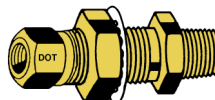
WORKING TEMPERATURE OF FITTING -10° TO +200°F.

NOTE: DO NOT USE ON VINYL OR OTHER SOFT PLASTIC TUBING. NOT FOR AIR BRAKE USE. SEE PAGE 23R FOR DOT FITTINGS

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

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



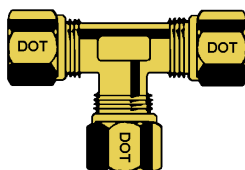
TH260 - SLEEVE  BRASS <table><tr><th>CAT. NO.</th><th>TUBE O.D.</th></tr><tr><td>TH260B</td><td>3/16</td></tr><tr><td>TH260C</td><td>1/4</td></tr><tr><td>TH260E</td><td>3/8</td></tr><tr><td>TH260F</td><td>1/2</td></tr><tr><td>TH260H</td><td>5/8</td></tr><tr><td>TH260J</td><td>3/4</td></tr></table>	CAT. 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
CAT. NO.	TUBE O.D.																																																																																																																																															
TH260B	3/16																																																																																																																																															
TH260C	1/4																																																																																																																																															
TH260E	3/8																																																																																																																																															
TH260F	1/2																																																																																																																																															
TH260H	5/8																																																																																																																																															
TH260J	3/4																																																																																																																																															
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																																																																																																																																															
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																																																																																																																																															
CAT. NO.	TUBE O.D.																																																																																																																																															
TH265C	1/4																																																																																																																																															
TH265E	3/8																																																																																																																																															
TH265F	1/2																																																																																																																																															
TH265H	5/8																																																																																																																																															
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																																									
CAT. NO.	TUBE O.D.																																																																																																																																															
TH261B	3/16																																																																																																																																															
TH261C	1/4																																																																																																																																															
TH261E	3/8																																																																																																																																															
TH261F	1/2																																																																																																																																															
TH261H	5/8																																																																																																																																															
TH261J	3/4																																																																																																																																															
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																																																																																																																																															
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																																																																																																																																															
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																																																																																																																																															
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><tr><td colspan="2">500' COILS</td></tr><tr><td>TH500E</td><td>3/8</td></tr><tr><td>TH500F</td><td>1/2</td></tr><tr><td colspan="2">1000' COILS</td></tr><tr><td>TH1000A</td><td>1/8</td></tr><tr><td>TH1000AA</td><td>5/32</td></tr><tr><td>TH1000C</td><td>1/4</td></tr></table> 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	500' COILS		TH500E	3/8	TH500F	1/2	1000' COILS		TH1000A	1/8	TH1000AA	5/32	TH1000C	1/4																																																																											
CAT. NO.	TUBE O.D.																																																																																																																																															
TH262C	1/4																																																																																																																																															
TH262E	3/8																																																																																																																																															
TH262F	1/2																																																																																																																																															
TH262H	5/8																																																																																																																																															
TH262J	3/4																																																																																																																																															
CAT. NO.	TUBE O.D.																																																																																																																																															
TH262LC	1/4																																																																																																																																															
TH262LE	3/8																																																																																																																																															
TH262LF	1/2																																																																																																																																															
TH262LH	5/8																																																																																																																																															
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"																																																																																																																																													
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																																																																																																																																															
500' COILS																																																																																																																																																
TH500E	3/8																																																																																																																																															
TH500F	1/2																																																																																																																																															
1000' COILS																																																																																																																																																
TH1000A	1/8																																																																																																																																															
TH1000AA	5/32																																																																																																																																															
TH1000C	1/4																																																																																																																																															

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

CONTINUED:

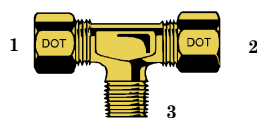
D.O.T. AIR BRAKE BRASS FITTINGS FOR NYLON TRUCK TUBING. (SAEJ844)

TH264 - TEE



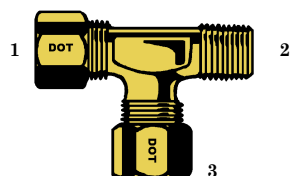
CAT. NO.	TUBE O.D.
TH264C	1/4
TH264E	3/8
TH264F	1/2
TH264H	5/8

TH272 - TEE MALE BRANCH



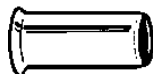
CAT. NO.	1&2 TUBE O.D.	3 MALE PIPE
TH272C	1/4 X 1/8	
TH272CC	1/4 X 1/4	
TH272E	3/8 X 1/8	
TH272EE	3/8 X 1/4	
TH272EEE	3/8 X 3/8	
TH272FC	1/2 X 1/4	
TH272F	1/2 X 3/8	
TH272FF	1/2 X 1/2	
TH272H	5/8 X 1/2	

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

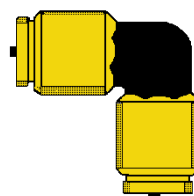
* USE WITH A/B TUBING
♦ STAINLESS STEEL

CP62 - UNION COMPOSITE UNION PUSH TO CONNECT DOT



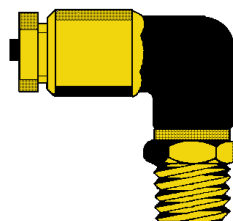
CAT. NO.	TUBE O.D.
CP62C-DOT	1/4
CP62E-DOT	3/8
CP62F-DOT	1/2

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

CP69 - 90° ELBOW COMPOSITE X MALE PUSH TO CONNECT DOT X SWIVEL MALE 90° ELBOW



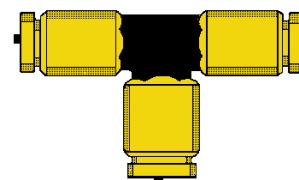
CAT. NO.	TUBE O.D.	MALE PIPE
CP69SC-DOT	1/4 X 1/8	
CP69SCC-DOT	1/4 X 1/4	
CP69SEE-DOT	3/8 X 1/4	
CP69SEEE-DOT	3/8 X 3/8	
CP69SF-DOT	1/2 X 3/8	
CP69SFF-DOT	1/2 X 1/2	

CP78 - 45° ELBOW COMPOSITE X MALE PUSH TO CONNECT DOT X SWIVEL MALE 45° ELBOW



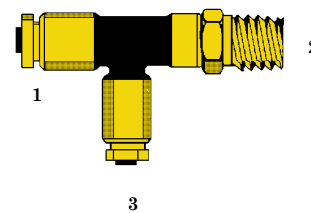
CAT. NO.	TUBE O.D.	MALE PIPE
CP78SC-DOT	1/4 X 1/8	
CP78SCC-DOT	1/4 X 1/4	
CP78SEE-DOT	3/8 X 1/4	
CP78SEEE-DOT	3/8 X 3/8	
CP78SF-DOT	1/2 X 3/8	
CP78SFF-DOT	1/2 X 1/2	

CP64 - TEE COMPOSITE TEE PUSH TO CONNECT DOT TEE



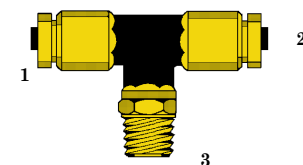
CAT. NO.	TUBE O.D.
CP64C-DOT	1/4
CP64E-DOT	3/8
CP64F-DOT	1/2

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	

“COPPER TUBING” AIR BRAKE COMPRESSION BRASS FITTINGS

260 - AIR BRAKE SLEEVE



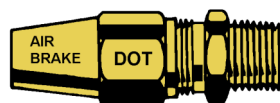
CAT. NO.	TUBE O.D.
260C	1/4
260D	5/16
260E	3/8
260F	1/2
260H	5/8
260J	3/4

262 - AIR BRAKE UNION



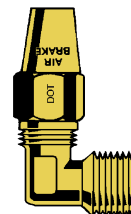
CAT. NO.	TUBE O.D.
262C	1/4
262D	5/16
262E	3/8
262F	1/2
262H	5/8
262J	3/4

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



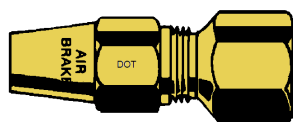
CAT. NO.	TUBE O.D.	MALE PIPE
269C	1/4 X 1/8	
269CC	1/4 X 1/4	
269CE	1/4 X 3/8	
269CF	1/4 X 1/2	
269D	5/16 X 1/8	
269DD	5/16 X 1/4	
269DE	5/16 X 3/8	
269DF	5/16 X 1/2	
269E	3/8 X 1/8	
269EE	3/8 X 1/4	
269EEE	3/8 X 3/8	
269EF	3/8 X 1/2	
269F	1/2 X 3/8	
269FC	1/2 X 1/4	
269FF	1/2 X 1/2	
269FJ	1/2 X 3/4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



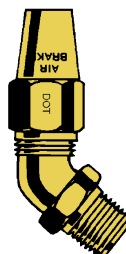
CAT. NO.	TUBE O.D.	FEMALE PIPE
266C	1/4 X 1/8	
266CC	1/4 X 1/4	
266CE	1/4 X 3/8	
266CF	1/4 X 1/2	
266D	5/16 X 1/8	
266DD	5/16 X 1/4	
266DE	5/16 X 3/8	
266E	3/8 X 1/8	
266EE	3/8 X 1/4	
266EEE	3/8 X 3/8	
266F	1/2 X 3/8	
266FC	1/2 X 1/4	
266FF	1/2 X 1/2	
266FJ	1/2 X 3/4	
266H	5/8 X 1/2	
266HE	5/8 X 3/8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

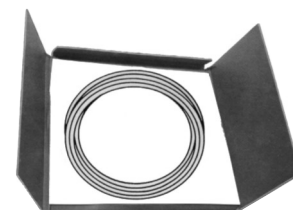


CAT. NO.	TUBE O.D.	MALE PIPE
278C	1/4 X 1/8	
278CC	1/4 X 1/4	
278D	5/16 X 1/8	
278DD	5/16 X 1/4	
278E	3/8 X 1/8	
278EE	3/8 X 1/4	
278EEE	3/8 X 3/8	
278EF	3/8 X 1/2	
278F	1/2 X 3/8	
278FF	1/2 X 1/2	
278H	5/8 X 1/2	

TU6 - AIRBRAKE COPPER TUBING

50 FT. COIL
BOXED INDIVIDUALLY

ORDER IN COILS NOT LENGTH

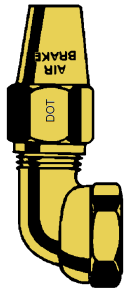


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-6C	1/4 X .035	
TU-6D	5/16 X .042	
TU-6E	3/8 X .049	
TU-6F	1/2 X .049	
TU-6H	5/8 X .049	
TU-6J	3/4 X .049	

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

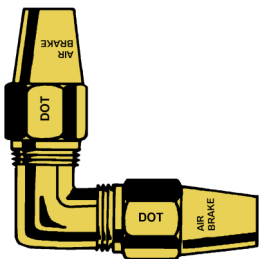
CONTINUED: "COPPER TUBING" AIR BRAKE COMPRESSION BRASS FITTINGS

270 - AIR BRAKE FEMALE ELBOW



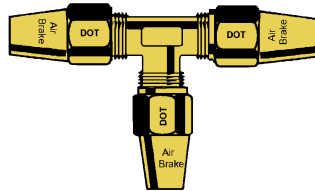
CAT. NO.	TUBE O.D.	FEMALE PIPE
270C	1/4 X 1/8	
270CC	1/4 X 1/4	
270CE	1/4 X 3/8	
270CF	1/4 X 1/2	
270D	5/16 X 1/8	
270DD	5/16 X 1/4	
270E	3/8 X 1/8	
270EE	3/8 X 1/4	
270EEE	3/8 X 3/8	
270F	1/2 X 3/8	
270FC	1/2 X 1/4	
270FF	1/2 X 1/2	
270FJ	1/2 X 3/4	
270H	5/8 X 1/2	
270HE	5/8 X 3/8	
270HJ	5/8 X 3/4	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

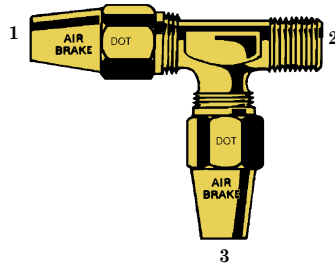
264 - AIR BRAKE TEE



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

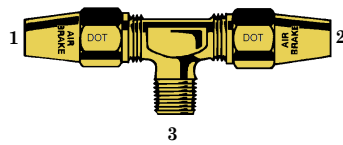
TUBE TO MALE PIPE TO TUBE



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	

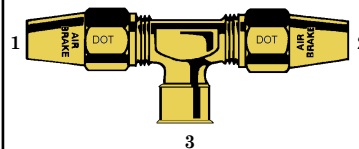
272 - AIR BRAKE BRANCH TEE

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	

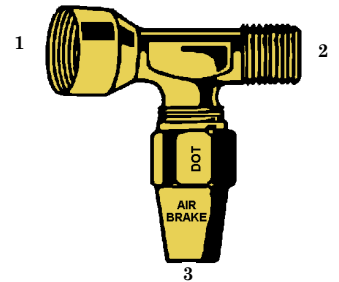
272S - AIR BRAKE FEMALE BRANCH TEE



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

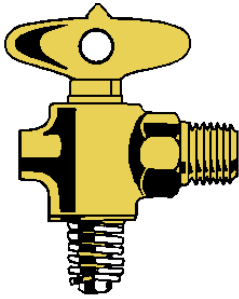
FEMALE PIPE TO MALE PIPE TO TUBE



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	

AIR BRAKE TRUCK VALVES

18K - AIR BRAKE DRAIN COCK TEE HANDLE

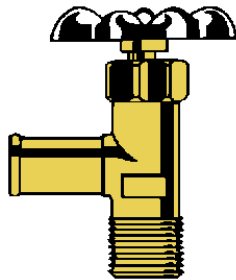


150 PSI MAX.

CAT. NO.	MALE PIPE
18KC	1/4

229K - TRUCK SHUT-OFF VALVE

BRASS BODY
WHEEL HANDLE



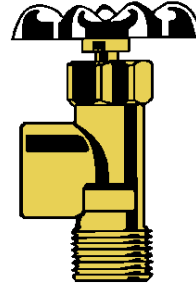
BRASS

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	

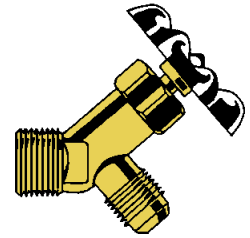
21 TRUCK VALVE OIL TANK VALVE

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



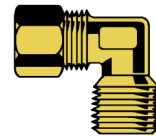
CAT. NO.	EATON/FULLER #	TUBE O.D.
660A	83001	1/8
660AA	83002	5/32

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

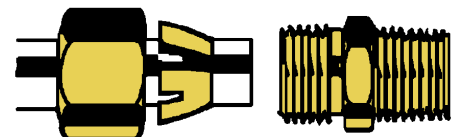


CAT. NO.	EATON FULLER #	TUBE O.D.
661A	83501	1/8
661AA	83502	5/32

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



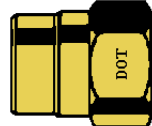
D.O.T. TRUCK AIR BRAKE REUSEABLE HOSE BRASS FITTINGS D.O.T.

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



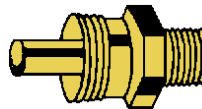
CAT. NO.	HOSE O.D.	HOSE I.D.
371THR-J	3/4 X 3/8	
371THR-M	7/8 X 1/2	

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

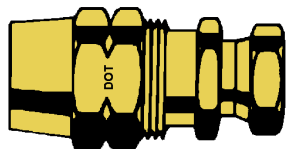
362-BO - AIR BRAKE HOSE UNION BODY ONLY



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

AIR BRAKE TRUCK 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

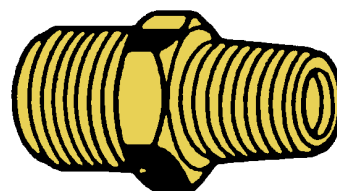
398 - AIR BRAKE CONNECTOR WITH MALE PIPE ADAPTER



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

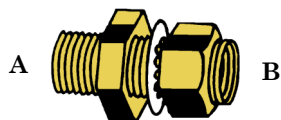
ABH - AIR BRAKE HOSE FOR USE WITH AIR BRAKE REUSEABLE FITTINGS ON PAGES 21R & 22R



SAE J1402

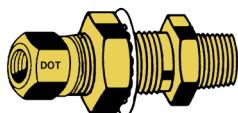
CAT. NO.	PACKAGE INFORMATION	HOSE O.D.	HOSE I.D.	MAX WORKING PRESSURE	MIN. BURST
ABH50-J	50' COILS	3/4	3/8	225 PSI	900
ABH250-J	250' SPOOL	3/4	3/8	225 PSI	900
ABH50-M	50' COILS	7/8	1/2	225 PSI	900
ABH250-M	250' SPOOL	7/8	1/2	225 PSI	900

390 - BULKHEAD COUPLING BRASS



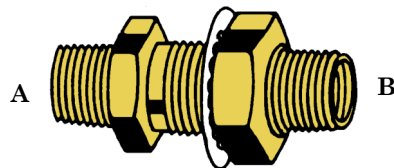
CAT. NO.	MALE PIPE THD.	FEM. PIPE THD.	OVERALL LENGTH
390FC5	1/2	1/4	2&5/32

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



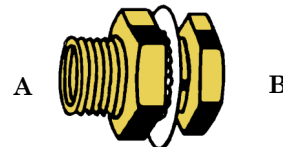
CAT. NO.	TUBE O.D.	FEM. PIPE	OVERALL LENGTH
TH396-66	3/8	3/8	1.50"
TH396-86	1/2	3/8	1.56"

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

TRUCK ACCESSORY "DOT" PUSH IN BRASS FITTINGS

BUILT-IN TUBE
SUPPORT

PP62-DOT - UNION

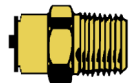


CAT. NO.	TUBE O.D.
PP62AA-DOT	5/32
PP62C-DOT	1/4
PP62E-DOT	3/8
PP62F-DOT	1/2
PP62H-DOT	5/8
PP62J-DOT	3/4

BULKHEAD UNION

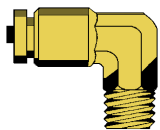
PP62LC-DOT	1/4
PP62LE-DOT	3/8
PP62LF-DOT	1/2
PP62LH-DOT	5/8

PP68-DOT -MALE CONNECTOR



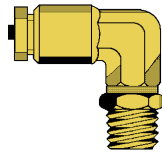
CAT. NO.	TUBE O.D.	MALE PIPE
PP68AAS-DOT	5/32X1/16	
PP68AA-DOT	5/32X1/8	
PP68C-DOT	1/4 X1/8	
PP68CC-DOT	1/4X1/4	
PP68CE-DOT	1/4X3/8	
PP68E-DOT	3/8X1/8	
PP68EE-DOT	3/8X1/4	
PP68EEE-DOT	3/8X3/8	
PP68EF-DOT	3/8X1/2	
PP68F-DOT	1/2X3/8	
PP68FC-DOT	1/2X1/4	
PP68FF-DOT	1/2X1/2	
PP68H-DOT	5/8X1/2	
PP68J-DOT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

PP69-DOT MALE ELBOW



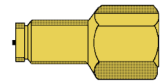
CAT. NO.	TUBE O.D.	MALE PIPE
PP69AA-DOT	5/32X1/8	
PP69C-DOT	1/4 X1/8	
PP69CC-DOT	1/4X1/4	
PP69CE-DOT	1/4X3/8	
PP69E-DOT	3/8X1/8	
PP69EE-DOT	3/8X1/4	
PP69EEE-DOT	3/8X3/8	
PP69EF-DOT	3/8X1/2	
PP69FC-DOT	1/2X1/4	
PP69F-DOT	1/2X3/8	
PP69FF-DOT	1/2X1/2	
PP69HE-DOT	5/8X3/8	
PP69H-DOT	5/8X1/2	
PP69J-DOT	3/4X1/2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

PP69S-DOT SWIVEL MALE 90° ELBOW



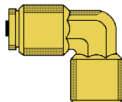
CAT. NO.	TUBE O.D.	MALE PIPE
PP69SC-DOT	1/4X1/8	
PP69SCC-DOT	1/4X1/4	
PP69SCE-DOT	1/4X3/8	
PP69SE-DOT	3/8X1/8	
PP69SEE-DOT	3/8X1/4	
PP69SEEE-DOT	3/8X3/8	
PP69SEF-DOT	3/8X1/2	
PP69SFC-DOT	1/2X1/4	
PP69SF-DOT	1/2X3/8	
PP69SFF-DOT	1/2X1/2	
PP69SHE-DOT	5/8X3/8	
PP69SH-DOT	5/8X1/2	
PP69SJ-DOT	3/4X1/2	
PP69SJJ-DOT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

PP66-DOT FEMALE CONNECTOR



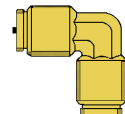
CAT. NO.	TUBE O.D.	FEMALE PIPE
PP66C-DOT	1/4X1/8	
PP66CC-DOT	1/4X1/4	

PP70-DOT FEMALE 90° ELBOW



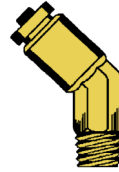
CAT. NO.	TUBE O.D.	FEMALE PIPE
PP70C-DOT	1/4X1/8	
PP70CC-DOT	1/4X1/4	
PP70EE-DOT	3/8X1/4	
PP70EEE-DOT	3/8X3/8	
PP70FF-DOT	1/2X1/2	

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

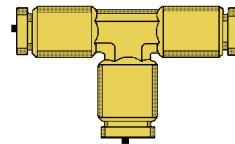


CAT. NO.	TUBE O.D.	MALE PIPE
PP78C-DOT	1/4X1/8	
PP78CC-DOT	1/4X1/4	
PP78E-DOT	3/8X1/8	
PP78EE-DOT	3/8X1/4	
PP78EEE-DOT	3/8X3/8	
PP78EF-DOT	3/8X1/2	
PP78FC-DOT	1/2X1/4	
PP78F-DOT	1/2X3/8	
PP78FF-DOT	1/2X1/2	
PP78H-DOT	5/8X1/2	
PP78HE-DOT	5/8X3/8	
PP78J-DOT	3/4X1/2	
PP78JJ-DOT	3/4X3/4	

SWIVEL

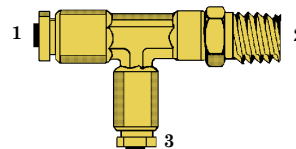
PP78SC-DOT	1/4X1/8
PP78SCC-DOT	1/4X1/4
PP78SE-DOT	3/8X1/8
PP78SEE-DOT	3/8X1/4
PP78SEEE-DOT	3/8X3/8
PP78SFC-DOT	1/2X1/4
PP78SF-DOT	1/2X3/8
PP78SFF-DOT	1/2X1/2

PP64-DOT - TEE

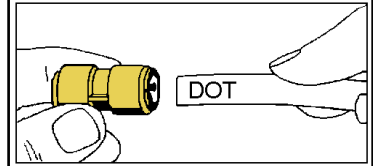


CAT. NO.	TUBE O.D.
PP64C-DOT	1/4
PP64E-DOT	3/8
PP64F-DOT	1/2
PP64H-DOT	5/8
PP64J-DOT	3/4

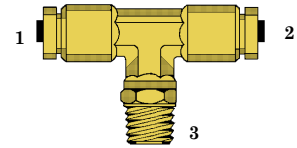
PP71S-DOT - TEE TUBE X MALE PIPE SWIVEL X TUBE



CAT. NO.	1&3 TUBE O.D.	2 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	

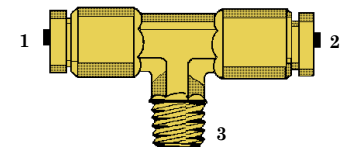


PP72S-DOT - TEE WITH SWIVEL MALE PIPE



CAT. NO.	1&2 TUBE O.D.	3 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.	1&2 TUBE O.D.	3 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

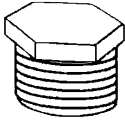
WORKING TEMPERATURE:
-40°F - +200°F

WORKING PRESSURE:
VACUUM TO 250 PSI

NYLON PIPE FITTINGS

BRASS GARDEN HOSE FITTINGS

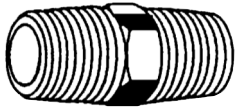
NY109X - NYLON HEX HEAD PIPE PLUG



NYLON

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

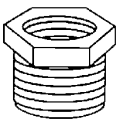
NY112 - NYLON HEX NIPPLE



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	

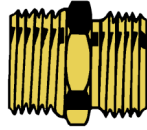
NY110 - NYLON HEX BUSHING



NYLON

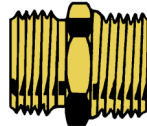
CAT. NO.	MALE PIPE	FEMALE PIPE
NY110EE	3/8X1/4	
NY110FC	1/2X1/4	
NY110F	1/2X3/8	
NY110JC	3/4X1/4	
NY110JE	3/4X3/8	
NY110J	3/4X1/2	
NY110NF	1"X1/2	
NY110NJ	1"X3/4	
NY110PJ	1.25X3/4	
NY110PN	1.25X1"	
NY110QN	1.5X1"	
NY110QP	1.5X1.25	

748 - MALE GARDEN HOSE X MALE PIPE



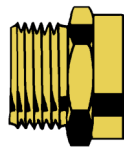
CAT. NO.	MALE G.H.	MALE PIPE
748JE	3/4 X 3/8	
748JF	3/4 X 1/2	
748JJF*	3/4 X 3/4	
*1/2 FEM PIPE TAPPED		

757 - MALE GARDEN HOSE X MALE GARDEN HOSE



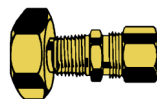
CAT. NO.	MALE G.H.	MALE G.H.
757JJ	3/4 X 3/4	
757JJF	3/4 X 3/4 X	
1/2 FEM PIPE*		
* TAPPED UNDER MALE GARDEN HOSE THREAD		

746 - MALE GARDEN HOSE X FEMALE PIPE



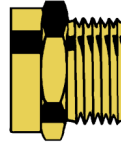
CAT. NO.	MALE G.H.	FEMALE PIPE
746JC	3/4 X 1/4	
746JE	3/4 X 3/8	
746JF	3/4 X 1/2	
746JJ	3/4 X 3/4	

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



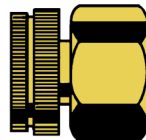
CAT. NO.	SWIVEL G.HOSE	SWIVEL G.HOSE
703SJJ	3/4 X 3/4	

756 - FEMALE GARDEN HOSE X FEMALE PIPE



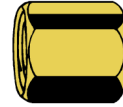
CAT. NO.	FEMALE G.HOSE	FEMALE PIPE
756JF	3/4 X 1/2	
756JJ	3/4 X 3/4	

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



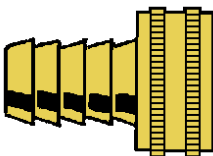
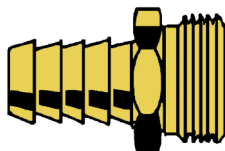
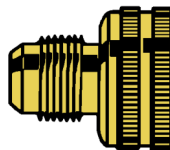
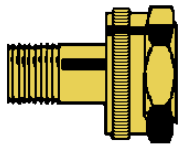
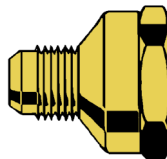
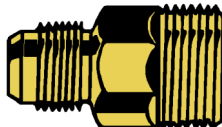
CAT. NO.	SWVL NUT	RIGID FEMALE PIPE
756SJF	3/4 X 1/2	
756SJJ	3/4 X 3/4	

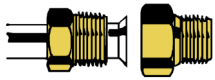
703 - UNION NON SWIVEL



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 700G3/4	620 - HOSE BARB X FEMALE GARDEN HOSE SWIVEL NUT  SWIVEL CAT. HOSE G.H. NO. I.D. NUT 620CJ1/4 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)	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"	676 - CONNECTOR FLARE X SWIVEL FEMALE GARDEN HOSE  FLARE SWIVEL CAT. TUBE SWIVEL NO. O.D. G.H. NUT 676EJ3/8 X 3/4 676FJ1/2 X 3/4
761 - NUT GARDEN HOSE  CAT. FEMALE NO. GARDEN HOSE 761J3/4	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	712 - MALE PIPE X SWIVEL FEMALE GARDEN HOSE  SWIVEL CAT. MALE G.H. NO. PIPE NUT 712CJR1/4 X 3/4 712EJR3/8 X 3/4 712FJR1/2 X 3/4	636 - CONNECTOR FLARE X FEMALE GARDEN HOSE NON-SWIVEL  FLARE RIGID CAT. TUBE FEMALE NO. O.D. G.HOSE 636EJ3/8 X 3/4 636FJ1/2 X 3/4 636HJ5/8 X 3/4
719 - FEMALE GARDEN HOSE X FEMALE PIPE  CAT. FEMALE FEMALE NO. G.H. PIPE 719JA3/4 X 1/8 719JC3/4 X 1/4	709 - PLUG MALE GARDEN HOSE  CAT. MALE NO. GARDEN HOSE 709J3/4	2CD - EVAPORATIVE COOLER DRAIN WITH LOCK NUT AND GASKET MALE GARDEN HOSE X FEMALE PIPE  A B CAT. MALE FEMALE NO. G.H. PIPE 2CDJF3/4 X 1/2	638 - CONNECTOR FLARE X MALE GARDEN HOSE NON-SWIVEL  FLARE RIGID CAT. TUBE MALE NO. O.D. G.HOSE 638EJ3/8 X 3/4 638FJ1/2 X 3/4 638HJ5/8 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

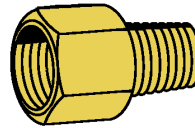
105L - LONG STEEL INVERTED FLARE NUT



LONG

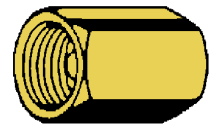
CAT. NO.	TUBE O.D.
105LB	3/16
105LC	1/4

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

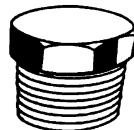
105S - INVERTED FLARE NUT



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

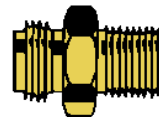


STEEL

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

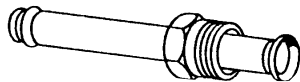
354 - UNION FOR IMPORTED VEHICLES FEM. INV. FLARE (BOTH ENDS)



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



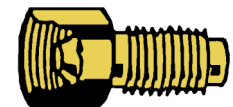
CAT. NO.	TUBE O.D.	TUBE LENGTH
1428	5/16	4 1/2"
1429	3/8	4 1/2"

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	

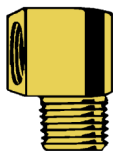
1441/2/3 - METRIC CONVERSION ADAPTER BRASS



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	

Continued: INVERTED FLARE BRASS FITTINGS

400 - ELBOW 402 90° INV.



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

240 - CONVERSION INVERTED FLARE ADAPTERS



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

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

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

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

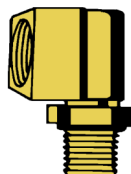
CAT. NO.	FEMALE INV. FLARE		MALE INV. FLARE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
240DC		5/16 X 1/4		
240DDD		5/16 X 5/16		
240DE		5/16 X 3/8		
240ED		3/8 X 5/16		

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



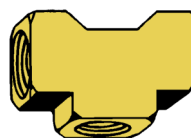
CAT. NO.	FEMALE INV. FLARE		MALE INV. FLARE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
240BD-HEX		3/16 X 5/16		
240CD-HEX		1/4 X 5/16		
240CG-20-HEX		1/4 X 7/16-20		
240DD-HEX		5/16 X 5/16		

C4 - FORD TRANSMISSION ADAPTER



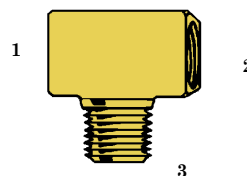
CAT. NO.	FEMALE INV. FLARE		MALE STRGHT. PIPE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
C4		5/16 X 1/8		

702 - UNION TEE



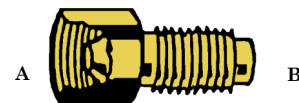
CAT. NO.	INV. FLARE TUBE	
	TUBE O.D.	FLARE TUBE
702A		1/8
702B		3/16
702C		1/4
702D		5/16
702E		3/8

600 - TEE INV. X MPT



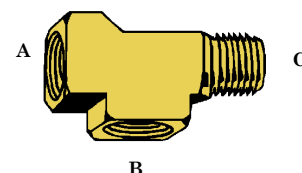
CAT. NO.	1,2 INV. FLARE		3 MALE PIPE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
600B		3/16 X 1/8		
600C		1/4 X 1/8		

1441 1442 -1443 7935 7936 - 7937 METRIC CONVERSION ADAPTER



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

7898 - 7900 7901 TOWED TRAILER BRAKE TEES FOR HYDRAULIC BRAKES



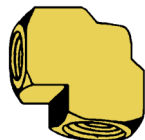
CAT. NO.	A FEM INV.		B FEM INV.		C MALE INV.	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
7898		1/4		1/4		1/4
7900		3/16		3/16		3/16
7901		1/4		3/16		1/4

352 - MALE ELBOW 45° INV.



CAT. NO.	FEMALE INV. FLARE		MALE PIPE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
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		

450W - ELBOW INV. FLARE X FEMALE PIPE



CAT. NO.	INV. FLARE.		FEMALE PIPE	
	TUBE O.D.	FLARE TUBE	TUBE O.D.	FLARE TUBE
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



BRASS

CAT. NO.	HOSE I.D.	MALE PIPE
220A	1/8 X 1/8	
220A-1/16	1/8 X 1/16	
220AC	1/8 X 1/4	
220B	3/16 X 1/8	
220BB	3/16 X 1/4	
220C	1/4 X 1/8	
220C-1/16	1/4 X 1/16	
220CC	1/4 X 1/4	
220CE	1/4 X 3/8	
220CF	1/4 X 1/2	
220D	5/16 X 1/8	
220DD	5/16 X 1/4	
220DE	5/16 X 3/8	
220E	3/8 X 1/8	
220EE	3/8 X 1/4	
220EEE	3/8 X 3/8	
220EF	3/8 X 1/2	
220EJ	3/8 X 3/4	
220F	1/2 X 3/8	
220FC	1/2 X 1/4	
220FF	1/2 X 1/2	
220FJ	1/2 X 3/4	
220H	5/8 X 1/2	
220HC	5/8 X 1/4	
220HE	5/8 X 3/8	
220HJ	5/8 X 3/4	
220J	3/4 X 1/2	
220JE	3/4 X 3/8	
220JJ	3/4 X 3/4	
220NF	1" X 1/2	
220NJ	1" X 3/4	
220NN	1" X 1"	

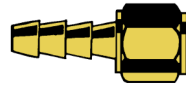
220SW - SWIVEL HOSE BARB X MALE PIPE



BRASS SWIVEL

CAT. NO.	SWIVEL HOSE I.D.	MALE PIPE
220SWCC	1/4 X 1/4	
220SWEE	3/8 X 1/4	
220SWEEE	3/8 X 3/8	
220SWF	1/2 X 3/8	
220SWFF	1/2 X 1/2	
220SWJJ	3/4 X 3/4	

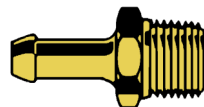
221 - HOSE BARB X FEMALE PIPE



BRASS

CAT. NO.	HOSE FEMALE I.D.	PIPE
221A	1/8 X 1/8	
221AC	1/8 X 1/4	
221B	3/16 X 1/8	
221BB	3/16 X 1/4	
221C	1/4 X 1/8	
221CC	1/4 X 1/4	
221CE	1/4 X 3/8	
221D	5/16 X 1/8	
221DD	5/16 X 1/4	
221DE	5/16 X 3/8	
221E	3/8 X 1/8	
221EE	3/8 X 1/4	
221EEE	3/8 X 3/8	
221EF	3/8 X 1/2	
221F	1/2 X 3/8	
221FC	1/2 X 1/4	
221FF	1/2 X 1/2	
221JJ	3/4 X 3/4	
221NJ	1" X 3/4	
221NN	1" X 1"	

809 - HOSE BARB X MALE PIPE THREAD



RIGID PIPE

CAT. NO.	HOSE I.D.	MALE PIPE
809B	3/16 X 1/8	
809C	1/4 X 1/8	
809CC	1/4 X 1/4	
809D	5/16 X 1/8	
809DD	5/16 X 1/4	
809E	3/8 X 1/8	
809EE	3/8 X 1/4	
809EEE	3/8 X 3/8	
809FC	1/2 X 1/4	
809F	1/2 X 3/8	
809HE	5/8 X 3/8	
809H	5/8 X 1/2	
809J	3/4 X 1/2	
809JJ	3/4 X 3/4	
809NJ	1" X 3/4	

222 - SPLICER



CAT. NO.	BRASS HOSE I.D.
222A	1/8
222B	3/16
222C	1/4
222D	5/16
222E	3/8
222F	1/2
222H	5/8
222J	3/4
222N	1"

NY222 - NYLON

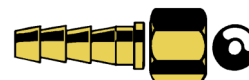


CAT. NO.	HOSE I.D.
NY222A	1/8
NY222B	3/16
NY222C	1/4
NY222D	5/16
NY222E	3/8
NY222F	1/2
NY222H	5/8
NY222J	3/4
NY222N	1"

REDUCING SIZES

CAT. NO.	HOSE I.D.	HOSE I.D.
NY222RBA	3/16 X 1/8	
NY222RCA	1/4 X 1/8	
NY222RCB	1/4 X 3/16	
NY222REC	3/8 X 1/4	
NY222RFC	1/2 X 1/4	
NY222RFE	1/2 X 3/8	
NY222RHE	5/8 X 3/8	
NY222RHF	5/8 X 1/2	

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



CAT. NO.	BRASS HOSE I.D.	WASHER INCL STRAIGHT PIPE THREAD
227C	1/4 X 1/8	
227CC	1/4 X 1/4	
227EE	3/8 X 1/4	
227EEE	3/8 X 3/8	
227EF	3/8 X 1/2	
227F	1/2 X 3/8	
227FF	1/2 X 1/2	

225 - HOSE BARB BALL SEAT X STRAIGHT FEMALE PIPE SWIVEL



CAT. NO.	HOSE I.D.	STRAIGHT PIPE
225BB	3/16 X 1/4	
225C	1/4 X 1/8	
225CC	1/4 X 1/4	
225DD	5/16 X 1/4	
225EE	3/8 X 1/4	
225EEE	3/8 X 3/8	
225F	1/2 X 3/8	
225FF	1/2 X 1/2	
225JJ	3/4 X 3/4	

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



CAT. NO.	STRT MALE 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



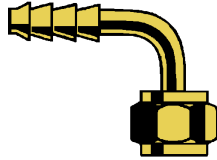
RIGID
INVERTED

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

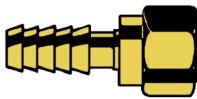


BRASS

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

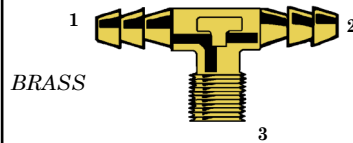
639 - HOSE BARB X 45° MALE FLARE



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	

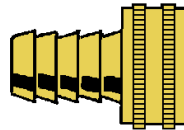
125Q - HOSE BARB TEE X MPT



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)

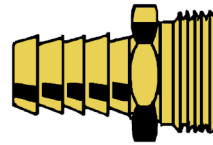
839 - HOSE BARB X 45° MALE FLARE



BRASS
45° FLARE

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

619 - HOSE BARB X MALE GARDEN HOSE

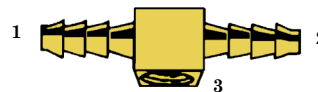


BRASS

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"

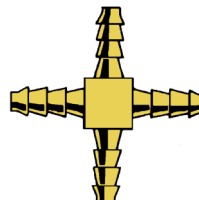
125P - HOSE BARB TEE X FEMALE PIPE



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	

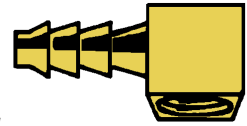
150 - HOSE BARB CROSS



BRASS

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

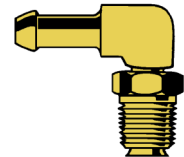
231 - HOSE BARB X FEMALE PIPE 90°



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

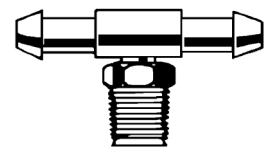


SWIVEL

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

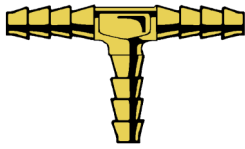
SWIVEL
INV.

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

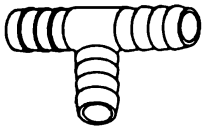
125 - TEE



BRASS

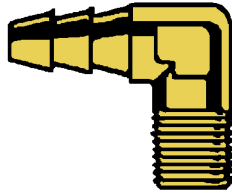
CAT. NO.	HOSE I.D. ALL ENDS
125A	1/8
125B	3/16
125C	1/4
125D	5/16
125E	3/8
125F	1/2
125H	5/8
125J	3/4
125N	1"

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"

220L -90° ELBOW HOSE BARB X MALE PIPE

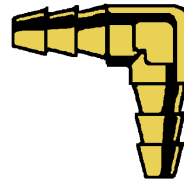


BRASS

CAT. NO.	HOSE I.D.	MALE PIPE
220LB	3/16 X 1/8	
220LC	1/4 X 1/8	
220LCC	1/4 X 1/4	
220LCE	1/4 X 3/8	
220LD	5/16 X 1/8	
220LDD	5/16 X 1/4	
220LDE	5/16 X 3/8	
220LE	3/8 X 1/8	
220LEE	3/8 X 1/4	
220LEEE	3/8 X 3/8	
220LEF	3/8 X 1/2	
220LF	1/2 X 3/8	
220LFC	1/2 X 1/4	
220LFF	1/2 X 1/2	
220LH*	5/8 X 1/2	
220LHE*	5/8 X 3/8	
816J**	3/4 X 1/2	
220LJJ	3/4 X 3/4	
220LNJ	1" X 3/4	
220LNN	1" X 1"	

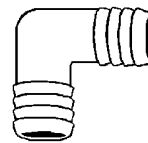
* DOUBLE BARB
** SINGLE BARB

235 - HOSE BARB 90° ELBOW



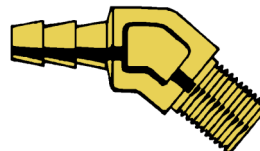
CAT. NO.	HOSE I.D.	HOSE I.D.
235CC	1/4 X 1/4	
235CD	1/4 X 5/16	
235DD	5/16 X 5/16	
235EEE	3/8 X 3/8	
235FF	1/2 X 1/2	

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

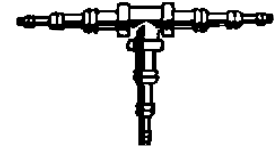
239 - 45° ELBOW HOSE BARB X MALE PIPE



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.

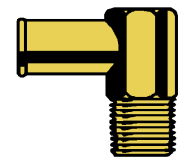
BU222R - UNIVERSAL BREAK AWAY SPLICER



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
816C	1/4 X 1/8	
816D	5/16 X 1/8	
816DD	5/16 X 1/4	
816E	3/8 X 1/8	
816EE	3/8 X 1/4	
816EEE	3/8 X 3/8	
816F	1/2 X 3/8	
816HC	5/8 X 1/4	
816HE	5/8 X 3/8	
816H	5/8 X 1/2	
816J	3/4 X 1/2	
816JJ	3/4 X 3/4	

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

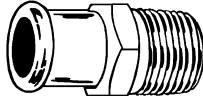
Intended for use with hose clamps or crimp type ferrules.

STEEL / BRASS HEATER FITTINGS

Intended for use with
hose clamps or crimp
type ferrules

HE220 - HEATER HOSE STEEL CONNECTOR HOSE X MALE PIPE

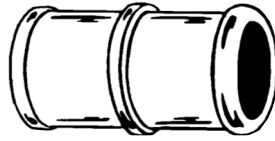
STEEL



CAT. NO.	HOSE I.D.	MALE PIPE
HE220HE	5/8 X 3/8	
HE220H	5/8 X 1/2	
HE220J	3/4 X 1/2	
HE220NF	1" X 1/2	
HE220NJ	1" X 3/4	

HE222 - HEATER HOSE SPLICER

STEEL



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

HE239 - HEATER HOSE 45° ELBOW HOSE X MALE PIPE

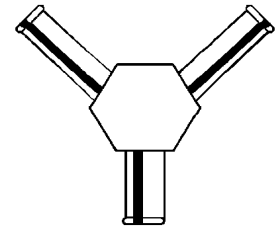
STEEL



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

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

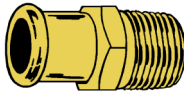
STEEL



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

809 - WATER LINE CONNECTOR

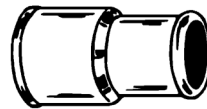
BRASS



CAT. NO.	HOSE I.D.	MALE PIPE
809B	3/16 X 1/8	
809C	1/4 X 1/8	
809CC	1/4 X 1/4	
809D	5/16 X 1/8	
809DD	5/16 X 1/4	
809E	3/8 X 1/8	
809EE	3/8 X 1/4	
809EEE	3/8 X 3/8	
809FC	1/2 X 1/4	
809F	1/2 X 3/8	
809HE	5/8 X 3/8	
809H	5/8 X 1/2	
809J	3/4 X 1/2	
809JJ	3/4 X 3/4	
809NJ	1" X 3/4	

HE222R - HEATER HOSE REDUCING SPLICER

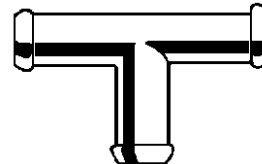
STEEL



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

HE125 - HEATER HOSE TEE ALL ENDS HOSE

STEEL



CAT. NO.	HOSE I.D.
HE125H	5/8
HE125J	3/4

229K - TRUCK SHUT-OFF VALVE

BRASS BODY
WHEEL HANDLE

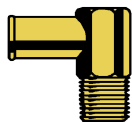


BRASS
150 PSI MAX.

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	

816 - WATER LINE ELBOW

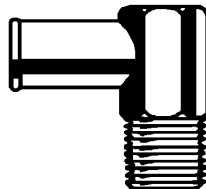
BRASS



CAT. NO.	HOSE I.D.	MALE PIPE
816C	1/4 X 1/8	
816D	5/16 X 1/8	
816DD	5/16 X 1/4	
816E	3/8 X 1/8	
816EE	3/8 X 1/4	
816EEE	3/8 X 3/8	
816F	1/2 X 3/8	
816HC	5/8 X 1/4	
816HE	5/8 X 3/8	
816H	5/8 X 1/2	
816J	3/4 X 1/2	
816JJ	3/4 X 3/4	

HE229 - HEATER HOSE 90° ELBOW HOSE X MALE PIPE

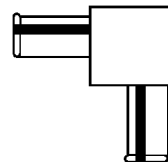
STEEL



CAT. NO.	HOSE I.D.	MALE PIPE
HE229HE	5/8 X 3/8	
HE229H	5/8 X 1/2	
HE229JE	3/4 X 3/8	

HE235 - HEATER HOSE 90° ELBOW

STEEL

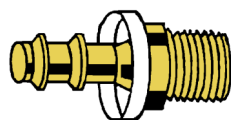


CAT. NO.	HOSE I.D.
HE235H	5/8 X 5/8
HE235HJ	5/8 X 3/4
HE235J	3/4 X 3/4

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

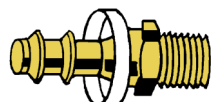
BRASS STAYPUT BARB FITTINGS* PUSH-ON TYPE

920 - HOSE STAYPUT BARB X MALE PIPE



PUSH ON		
CAT. NO.	HOSE I.D.	MALE PIPE
920C	1/4 X 1/8	
920CC	1/4 X 1/4	
920CE	1/4 X 3/8	
920D	5/16 X 1/8	
920DD	5/16 X 1/4	
920E	3/8 X 1/8	
920EE	3/8 X 1/4	
920EEE	3/8 X 3/8	
920EF	3/8 X 1/2	
920F	1/2 X 3/8	
920FC	1/2 X 1/4	
920FF	1/2 X 1/2	
920FJ	1/2 X 3/4	
920H	5/8 X 1/2	
920HE	5/8 X 3/8	
920HJ	5/8 X 3/4	
920J	3/4 X 1/2	
920JJ	3/4 X 3/4	
920NJ	1" X 3/4	
920NN	1" X 1"	
SWIVEL		
920SWCC	1/4 X 1/4	
920SWEE	3/8 X 1/4	
920SWEEE	3/8 X 3/8	
920SWF	1/2 X 3/8	
920SWFF	1/2 X 1/2	
920SWJJ	3/4 X 3/4	

905 - HOSE STAYPUT BARB X INV. NUT



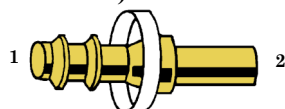
PUSH ON SWIVEL INV. FLARE NUT		
CAT. NO.	HOSE I.D.	INV. NUT
905CB	1/4 X 3/16	
905CC	1/4 X 1/4	
905CD	1/4 X 5/16	
905DC	5/16 X 1/4	
905DDD	5/16 X 5/16	
905DE	5/16 X 3/8	
905ED	3/8 X 5/16	
905EEE	3/8 X 3/8	
905FF	1/2 X 1/2	

922 - HOSE STAYPUT BARB SPLICER



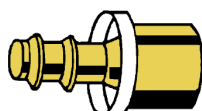
CAT. NO.	PUSH ON HOSE I.D.
922C	1/4
922D	5/16
922E	3/8
922F	1/2
922H	5/8
922J	3/4

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



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

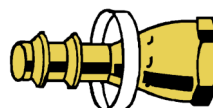
900 - HOSE STAYPUT BARB X FEM. INV. FLARE



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

940 - HOSE STAYPUT BARB X 45° SWIVEL FLARE NUT

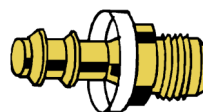
USE #B2 GASKET (NOT INCL.)



CAT. NO.	PUSH ON HOSE I.D.	45° SWIVEL FLARE NUT
940CC*	1/4 X 1/4	
940CD	1/4 X 5/16	
940CE	1/4 X 3/8	
940DDD	5/16 X 5/16	
940DE	5/16 X 3/8	
940EEE	3/8 X 3/8	
JB940EEE**	3/8 X 3/8	
940EF*	3/8 X 1/2	
940F	1/2 X 3/8	
940FF*	1/2 X 1/2	
940FH*	1/2 X 5/8	
940HF*	5/8 X 1/2	
940HH**	5/8 X 5/8	
940JJ	3/4 X 3/4	
JB940JJ**	3/4 X 3/4	

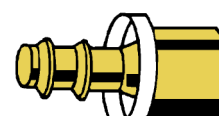
* COMBINATION 37° & 45° FLARE SEAT
** 37° FLARE NUT
OTHER SIZES ARE 45° SEAT

939 - HOSE STAYPUT BARB X MALE FLARE



CAT. NO.	PUSH ON HOSE I.D.	45° MALE FLARE
939CC	1/4 X 1/4	
939CD	1/4 X 5/16	
939DDD	5/16 X 5/16	
939EEE	3/8 X 3/8	
939FF	1/2 X 1/2	

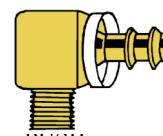
903 - HOSE STAYPUT BARB X FEM. PIPE



RIGID

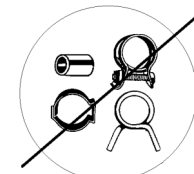
CAT. NO.	PUSH ON HOSE I.D.	RIGID. FEM. PIPE
903CA	1/4 X 1/8	
903CC	1/4 X 1/4	
903CE	1/4 X 3/8	
903EE	3/8 X 1/4	
903EEE	3/8 X 3/8	
903F	1/2 X 3/8	
903FF	1/2 X 1/2	

929L - HOSE STAYPUT BARB X MALE PIPE



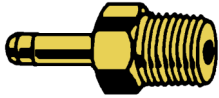
CAT. NO.	PUSH ON HOSE I.D.	RIGID. MALE PIPE
929LC	1/4 X 1/8	
929LCC	1/4 X 1/4	
929LD	5/16 X 1/8	
929LDD	5/16 X 1/4	
929LE	3/8 X 1/8	
929LEE	3/8 X 1/4	
929LEEE	3/8 X 3/8	
929LF	1/2 X 3/8	
929LFF	1/2 X 1/2	
929LJJ	3/4 X 3/4	

* 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)

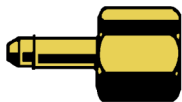
P220 - POLY TUBING BARB X MALE PIPE



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	MALE PIPE
P220C16	1/4	.170	1/116
P220C	1/4	.170	1/8
P220CC	1/4	.170	1/4
P220E	3/8	.250	1/8
P220EE	3/8	.250	1/4
P220F	1/2	.375	3/8

P221 - POLY TUBING BARB X FEMALE PIPE



BRASS

CAT. NO.	POLY TUBE O.D.	POLY TUBE I.D.	FEMALE PIPE
P221C	1/4	.170	1/8
P221CC	1/4	.170	1/4
P221E	3/8	.250	1/8
P221EE	3/8	.250	1/4
P221F	1/2	.375	3/8

P222 - POLY TUBING UNION



BRASS

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

SPECIFICATIONS:

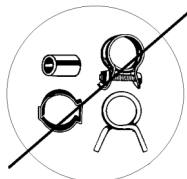
INSTRUCTIONS: Cut poly tubing square and push to shoulder of fitting. Tubing clamps **NOT** required when used on poly tubing within ranges stated below.

MAX WORKING PRESSURE AT 70° F

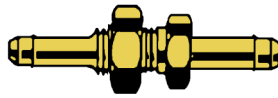
1/4 O.D. 130 PSI

3/8 O.D. 130 PSI

1/2 O.D. 80 PSI



PL222 - POLY TUBING UNION BULKHEAD



BRASS

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

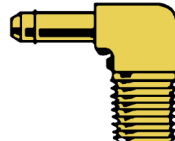
P235 - POLY TUBING ELBOW



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

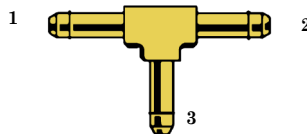
P220L - POLY TUBING ELBOW X MALE PIPE



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



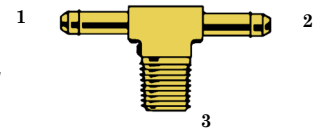
BRASS

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

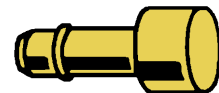


10/32 UNF

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



2
RIGHT
HAND

CAT. NO.	HOSE I.D.	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



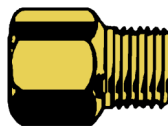
CAT. NO.	SIZE
1601	7/8" HEX 1" LONG

1605 - LONG POL NIPPLE X MALE PIPE



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

6486 - CONVERSION



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

224L - LEFT HAND SWIVEL NUT WELDING CONNECTOR



2
LEFT
HAND

CAT. NO.	HOSE I.D.	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.

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

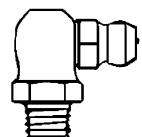
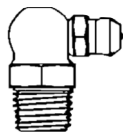
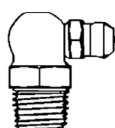
WITH BALL SEAT BOTH ENDS



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 																																																					
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	CAT. NO. 12GR 115 PCS																																																						
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	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																																																						
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	CROSS REFERENCE <table><tr><th>COUPLINGS ITEM #</th><th>ALEMITE ITEM #</th><th>LINCOLN ITEM #</th></tr><tr><td>7000</td><td>1610B</td><td>5000</td></tr><tr><td>7003</td><td>1607B</td><td>5003</td></tr><tr><td>7100</td><td>1611B</td><td>5100</td></tr><tr><td>7200</td><td>1688B</td><td>5200</td></tr><tr><td>7300</td><td>1612B</td><td>5300</td></tr><tr><td>7400</td><td>1613B</td><td>5400</td></tr><tr><td>7010</td><td>1641B</td><td>5010</td></tr><tr><td>7014</td><td>1680B</td><td>5014</td></tr><tr><td>7210</td><td>1637B</td><td>5210</td></tr><tr><td>7410</td><td>1911B</td><td>5410</td></tr><tr><td>7050</td><td>1627B</td><td>5050</td></tr><tr><td>7350</td><td>1629B</td><td>5350</td></tr><tr><td>7033</td><td>1728B</td><td>5033</td></tr><tr><td>7029</td><td>1743B</td><td>5029</td></tr><tr><td>7030</td><td>1699B</td><td>5030</td></tr><tr><td>7061</td><td>1711B</td><td>5061</td></tr><tr><td>7062</td><td>1710B</td><td>5062</td></tr></table>	COUPLINGS ITEM #	ALEMITE ITEM #	LINCOLN ITEM #	7000	1610B	5000	7003	1607B	5003	7100	1611B	5100	7200	1688B	5200	7300	1612B	5300	7400	1613B	5400	7010	1641B	5010	7014	1680B	5014	7210	1637B	5210	7410	1911B	5410	7050	1627B	5050	7350	1629B	5350	7033	1728B	5033	7029	1743B	5029	7030	1699B	5030	7061	1711B	5061	7062	1710B	5062
COUPLINGS ITEM #	ALEMITE ITEM #	LINCOLN ITEM #																																																							
7000	1610B	5000																																																							
7003	1607B	5003																																																							
7100	1611B	5100																																																							
7200	1688B	5200																																																							
7300	1612B	5300																																																							
7400	1613B	5400																																																							
7010	1641B	5010																																																							
7014	1680B	5014																																																							
7210	1637B	5210																																																							
7410	1911B	5410																																																							
7050	1627B	5050																																																							
7350	1629B	5350																																																							
7033	1728B	5033																																																							
7029	1743B	5029																																																							
7030	1699B	5030																																																							
7061	1711B	5061																																																							
7062	1710B	5062																																																							
45° 1/8 MALE PIPE  7200 .89" LENGTH	1/4 MALE PIPE 65° 1/4 MALE PIPE  7350 .88" LENGTH	METRIC 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° METRIC  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

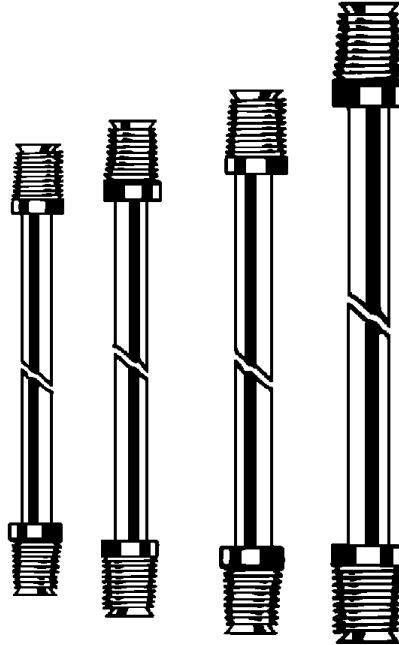
CAT. NO.	LENGTH
308	8"
312	12"
320	20"
330	30"
340	40"
351	51"
360	60"

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"

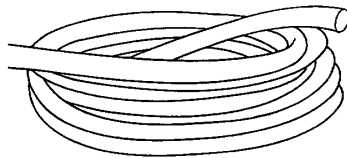
3/8 O.D. LINE PACKED 5 PER BAG

ORDER IN MULTIPLES OF 5

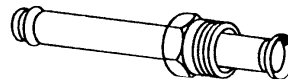
CAT. NO.	LENGTH
608	8"
612	12"
620	20"
630	30"
640	40"
651	51"
660	60"

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.



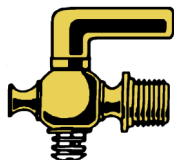
TU-1 - SOFTAUTOMOTIVE COPPER TUBING

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)

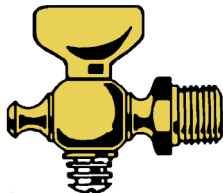
307L -AIR DRAIN COCK LEVER HANDLE ROUND SHOULDER



100 PSI MAX.

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

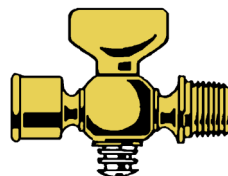
308T -AIR DRAIN COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

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

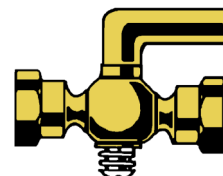
348T -AIR COCK TEE HANDLE ROUND SHOULDER



100 PSI MAX.

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

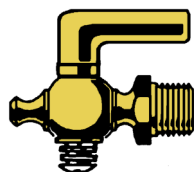
431L -AIR COCK LEVER HANDLE HEX SHOULDER



100 PSI MAX.

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

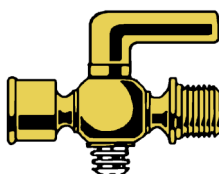
308L -AIR DRAIN COCK LEVER HANDLE HEX SHOULDER



100 PSI MAX.

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

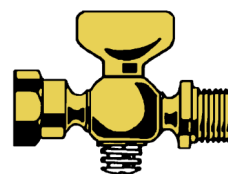
348L -AIR COCK LEVER HANDLE ROUND SHOULDER



100 PSI MAX.

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

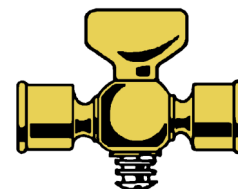
448T -AIR COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

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

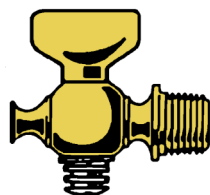
331T -AIR COCK TEE HANDLE ROUND SHOULDER



100 PSI MAX.

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

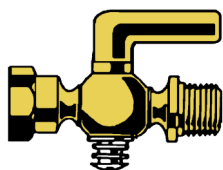
307T -AIR DRAIN COCK TEE HANDLE ROUND SHOULDER



100 PSI MAX.

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

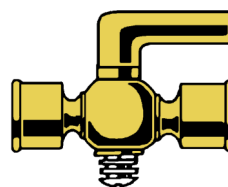
448L -AIR COCK LEVER HANDLE HEX SHOULDER



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

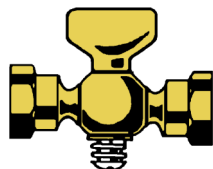


100 PSI MAX.

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)

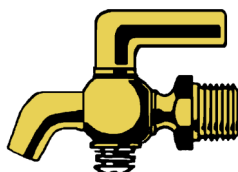
431T -AIR DRAIN COCK TEE HANDLE HEX SHOULDER



100 PSI MAX.

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

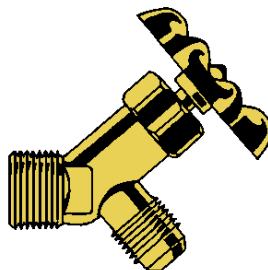
349L -AIR COCK LEVER HANDLE BIBB NOSE DRAIN COCK HEX SHOULDER



100 PSI MAX.

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

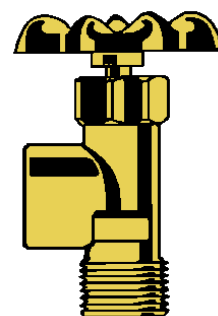
18 - OIL TANK VALVE



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	

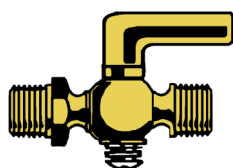
21 TRUCK VALVE OIL TANK VALVE FEM PIPE X MALE PIPE



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

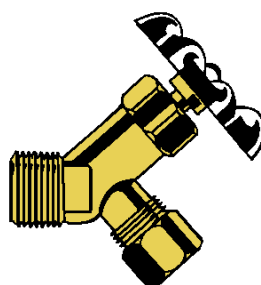
349T -AIR COCK TEE HANDLE BIBB NOSE DRAIN COCK HEX SHOULDER



100 PSI MAX.

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

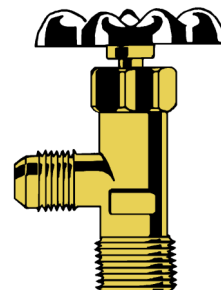
18W -OIL TANK VALVE



150 PSI MAX

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

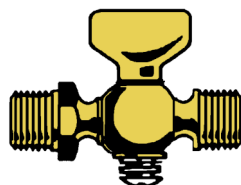
19 - TRUCK VALVE OIL TANK VALVE



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

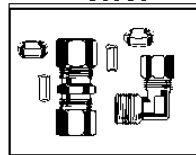
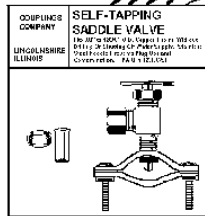
CAT. NO.	TUBE O.D.	MALE PIPE
C123KC	1/4	1/8

ICE MAKER - HUMIDIFIER

NO DRILLING OR WATER
SHUT OFF NECESSARY ON
COPPER TUBE LINE

EVAPORATIVE COOLERS INSTALLATION KIT

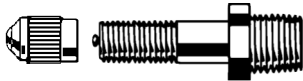
SELF PIERCING SADDLE VALVE - 25' FDA APPROVED
NON TOXIC POLYETHYLENE TUBING



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.

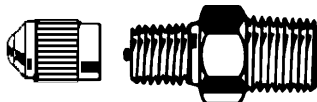
1V - TANK VALVE



200 PSI MAX. NICKEL PLATED
SUPPLIED WITH PLASTIC
VALVE CAP

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

3V - TANK VALVE

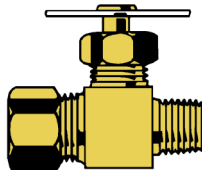


200 PSI MAX. NICKEL PLATED
SUPPLIED WITH PLASTIC
VALVE CAP

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

104K - NEEDLE VALVE

COMPRESSION TUBE X
MALE PIPE

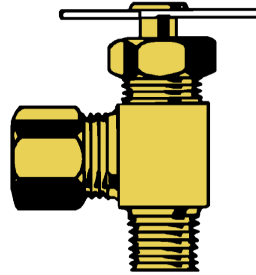


150 PSI MAX.

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

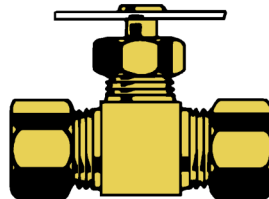


150 PSI MAX

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

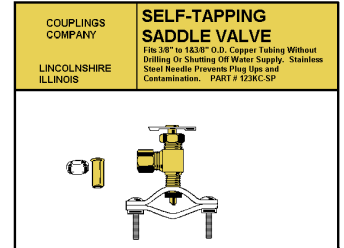


150 PSI MAX.

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

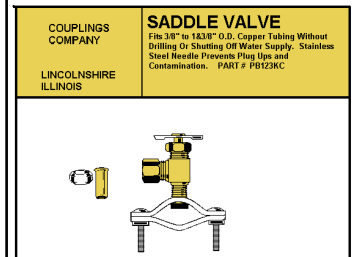


LEAD FREE SELF PIERCING

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



LEAD FREE
NON SELF PIERCING

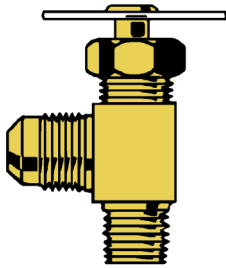
CAT. NO.	TUBE O.D.	MALE PIPE
PB123KC	1/4	1/8

FLARE NEEDLE VALVES*

NEEDLE VALVES "PIPE" / BALL VALVES

103S - NEEDLE VALVE

MALE FLARE X MALE PIPE

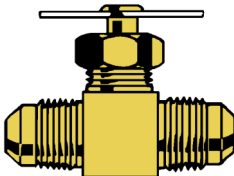


150 PSI MAX.

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

106S - NEEDLE VALVE

MALE FLARE BOTH ENDS

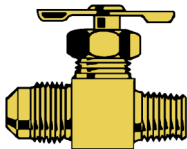


150 PSI MAX.

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

104S - NEEDLE VALVE

MALE FLARE X MALE PIPE



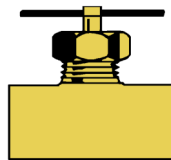
150 PSI MAX.

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

* PIN HANDLE

105K - NEEDLE VALVE

FEMALE PIPE - PIN HANDLE

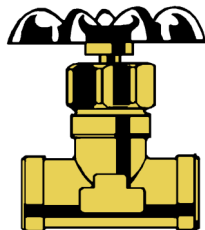


150 PSI MAX.

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

105KS - NEEDLE VALVE

HEAVY DUTY FEMALE PIPE BOTH ENDS



150 PSI MAX.

CAT. NO.	FEMALE PIPE
105KSC	1/4

108K - NEEDLE VALVE

FEMALE PIPE X MALE PIPE



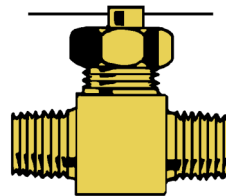
150 PSI MAX.

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

* PIN HANDLE

110K - NEEDLE VALVE

MALE PIPE

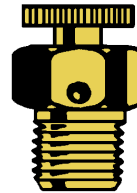


150 PSI MAX.

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

12K - DRAIN COCK

WITH AIR VENT ON SIDE, INTERNAL SEAT, SLOTTED HEAD

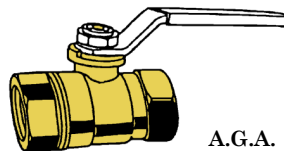


150 PSI MAX.

CAT. NO.	MALE PIPE
12KA	1/8

BVS131 - BRASS FULL PORT BALL VALVE

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

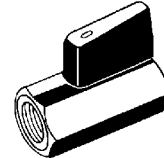


A.G.A.

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

BVB131 - BRASS MINI BALL VALVE

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



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

*AGA APPROVED GAS COCK 5 PSI / GAS NOT PLATED

BVB148

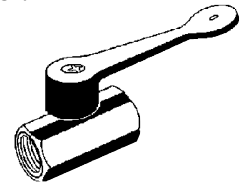
MALE AND FEMALE PIPE (WEDGE HANDLE AS ABOVE)

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

450 PSI MAX.

BVL131 - BRASS MINI BALL VALVE

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



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

BVL148 BRASS MINI BALL VALVE MALE & FEMALE PIPE

LEVER HANDLE (AS ABOVE) 200 PSI MAX.

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

BRASS SHUT-OFF COCKS

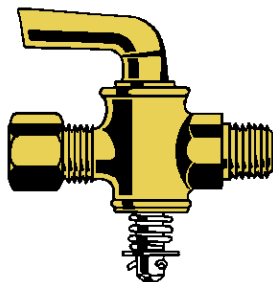
COMPRESSION

FLARED

PIPE

27 - SHUT OFF COCK

COMPRESSION TUBE X
MALE PIPE
FOR AIR OR WATER

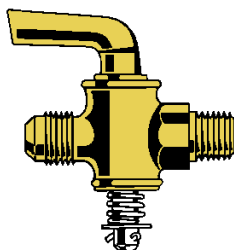


30 PSI MAX.

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

27S - SHUT OFF COCK

MALE FLARE X MALE PIPE
FOR AIR OR WATER

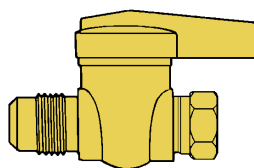


30 PSI MAX.

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

31 - SHUT OFF

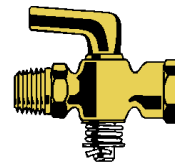
MALE FLARE X FEM. PIPE
AGA APPROVED



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

148 - SHUT OFF COCK

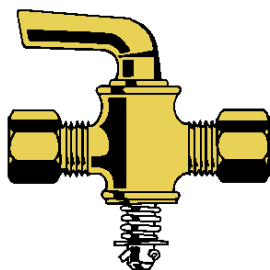
MALE PIPE X FEMALE PIPE
FOR AIR OR WATER ONLY
30 PSI MAX.



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

28 - SHUT OFF COCK

COMPRESSION TUBE
BOTH ENDS
FOR AIR OR WATER

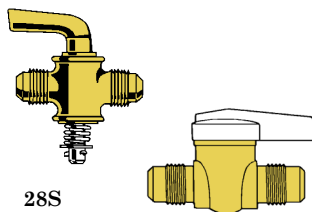


30 PSI MAX.

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

28S - SHUT OFF COCK

MALE FLARE BOTH ENDS
FOR AIR OR WATER



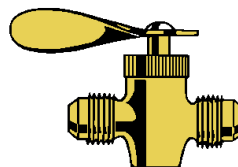
30 PSI MAX.

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

ALL OTHERS 360° FREE TURNING HANDLE

H28S - SHUT OFF COCK

ENCLOSED SPRING, MALE
FLARE X MALE FLARE

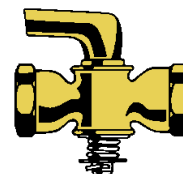


30 PSI MAX. O RING SEAL

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

131 - SHUT OFF COCK

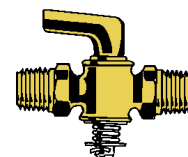
FEM PIPE FOR AIR OR
WATER ONLY 30 PSI MAX.



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

176 - SHUT OFF COCK

MALE PIPE, FOR AIR OR
WATER 30 PSI MAX.

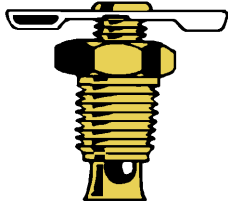


CAT. NO.	MALE PIPE
176A	1/8
176BC*	1/4
176C	1/4
176E	3/8
360° FREE TURNING HANDLE * 150 PSI MAX.	

BRASS DRAIN COCKS AUTOMOTIVE RADIATOR AND INDUSTRIAL USE

9K - DRAIN COCK BACK SEATING TYPE

STEEL HANDLE
EXTERNAL SEAT

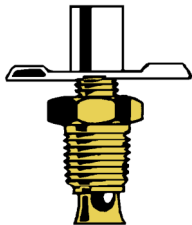


150 PSI MAX.

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

10K - DRAIN COCK BACK SEATING TYPE

STEEL HANDLE
EXTERNAL SEAT

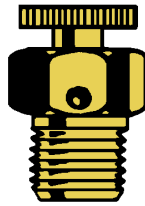


150 PSI MAX.

CAT. NO.	MALE PIPE
10KC	1/4

12K - DRAIN COCK

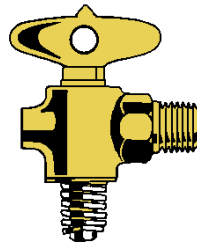
WITH AIR VENT ON SIDE
INTERNAL SEAT
INDUSTRIAL USE



150 PSI MAX.

CAT. NO.	MALE PIPE
12KA	1/8

18K - AIR BRAKE DRAIN COCK TEE HANDLE

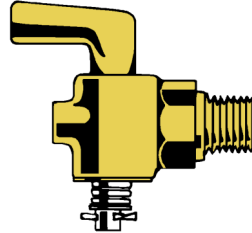


150 PSI MAX.

CAT. NO.	MALE PIPE
18KC	1/4

7L - DRAIN COCK LEVEL HANDLE

"OPEN" FLOW SHOWN

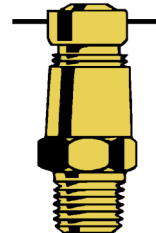


15 PSI MAX.

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

1K - DRAIN COCK

INTERNAL SEAT



150 PSI MAX.

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

11K - DRAIN COCK

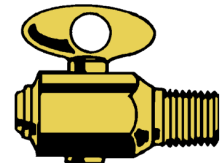
STEEL HANDLE
INTERNAL SEAT



150 PSI MAX.

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

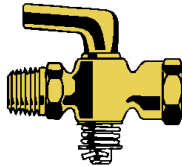
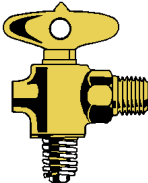
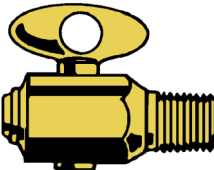
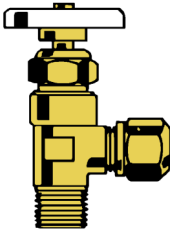
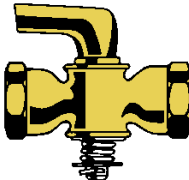
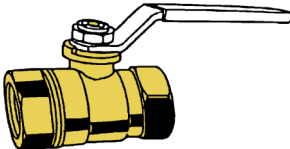
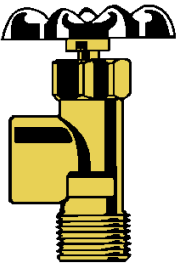
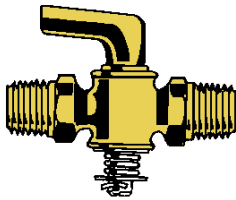
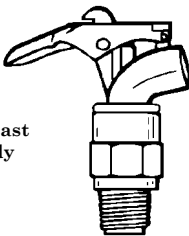
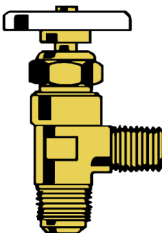
14T - AIR BRAKE DRAIN COCK TEE HANDLE



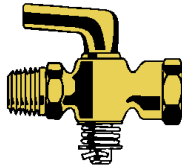
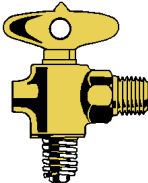
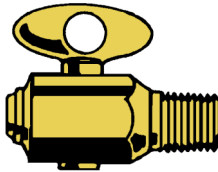
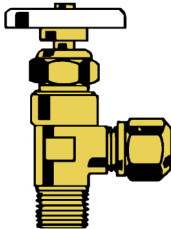
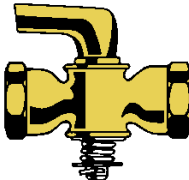
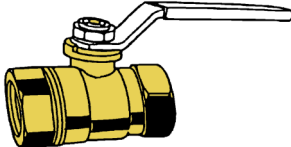
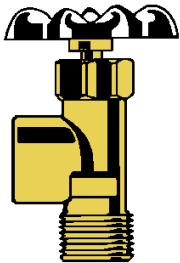
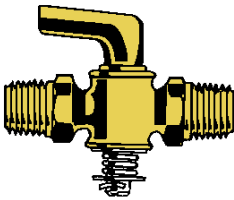
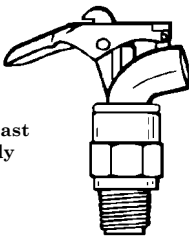
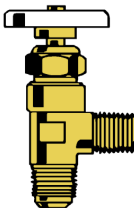
150 PSI MAX.

CAT. NO.	MALE PIPE
14TC	1/4

TRUCK AIR BRAKE DRAIN AND SHUT OFF COCKS - BRASS

148B - AIR BRAKE SHUT OFF COCK LEVER HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td><td>FEMALE PIPE</td></tr><tr><td>148BC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	MALE PIPE	FEMALE PIPE	148BC	1/4 X 1/4		18K - AIR BRAKE DRAIN COCK TEE HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>18KC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	18KC	1/4	14T - AIR BRAKE DRAIN COCK TEE HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>14TC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	14TC	1/4	19TH - TRUCK VALVE FOR USE WITH NYLON AIR BRAKE TUBING  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>TUBE O.D.</td><td>MALE PIPE</td></tr><tr><td>19TH-FF</td><td>1/2 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	19TH-FF	1/2 X 1/2																											
CAT. NO.	MALE PIPE	FEMALE PIPE																																															
148BC	1/4 X 1/4																																																
CAT. NO.	MALE PIPE																																																
18KC	1/4																																																
CAT. NO.	MALE PIPE																																																
14TC	1/4																																																
CAT. NO.	TUBE O.D.	MALE PIPE																																															
19TH-FF	1/2 X 1/2																																																
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																																																
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"																																																
CAT. NO.	MALE PIPE																																																
15WC	1/4																																																
CAT. NO.	FEMALE PIPE	MALE PIPE																																															
21EEE	3/8 X 3/8																																																
21EF	3/8 X 1/2																																																
21FF	1/2 X 1/2																																																
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																																
CAT. NO.	MALE PIPE	MALE PIPE																																															
176BC	1/4 X 1/4																																																
CAT. NO.	MALE PIPE																																																
20J	3/4																																																
CAT. NO.	TUBE O.D.	MALE PIPE																																															
17SH	5/8 X 1/2																																																

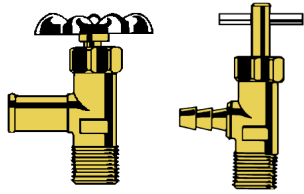
TRUCK AIR BRAKE DRAIN AND SHUT OFF COCKS - BRASS

148B - AIR BRAKE SHUT OFF COCK LEVER HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td><td>FEMALE PIPE</td></tr><tr><td>148BC</td><td>1/4 X 1/4</td><td></td></tr></table>	CAT. NO.	MALE PIPE	FEMALE PIPE	148BC	1/4 X 1/4		18K - AIR BRAKE DRAIN COCK TEE HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>18KC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	18KC	1/4	14T - AIR BRAKE DRAIN COCK TEE HANDLE  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>MALE PIPE</td></tr><tr><td>14TC</td><td>1/4</td></tr></table>	CAT. NO.	MALE PIPE	14TC	1/4	19TH - TRUCK VALVE FOR USE WITH NYLON AIR BRAKE TUBING  150 PSI MAX. <table><tr><td>CAT. NO.</td><td>TUBE O.D.</td><td>MALE PIPE</td></tr><tr><td>19TH-FF</td><td>1/2 X 1/2</td><td></td></tr></table>	CAT. NO.	TUBE O.D.	MALE PIPE	19TH-FF	1/2 X 1/2																											
CAT. NO.	MALE PIPE	FEMALE PIPE																																															
148BC	1/4 X 1/4																																																
CAT. NO.	MALE PIPE																																																
18KC	1/4																																																
CAT. NO.	MALE PIPE																																																
14TC	1/4																																																
CAT. NO.	TUBE O.D.	MALE PIPE																																															
19TH-FF	1/2 X 1/2																																																
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																																																
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"																																																
CAT. NO.	MALE PIPE																																																
15WC	1/4																																																
CAT. NO.	FEMALE PIPE	MALE PIPE																																															
21EEE	3/8 X 3/8																																																
21EF	3/8 X 1/2																																																
21FF	1/2 X 1/2																																																
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																															
CAT. NO.	MALE PIPE	MALE PIPE																																															
176BC	1/4 X 1/4																																																
CAT. NO.	MALE PIPE																																																
20J	3/4																																																
CAT. NO.	TUBE O.D.	MALE PIPE																																															
17SH	5/8 X 1/2																																																

BRASS / STEEL TRUCK VALVES

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

BRASS BODY



229K 21KP

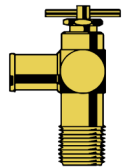
BRASS

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



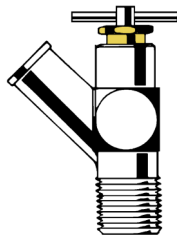
BRASS

150 PSI MAX.

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

226K - TRUCK SHUT-OFF VALVE

STEEL BODY



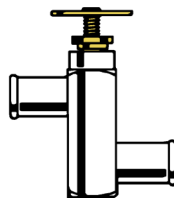
STEEL

150 PSI MAX.

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

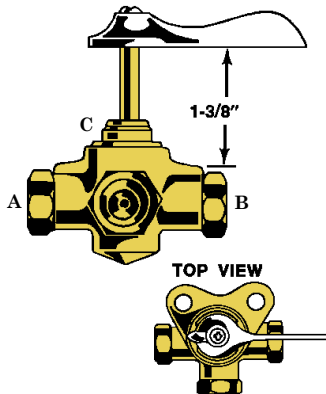
222K - TRUCK SHUT-OFF VALVE

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

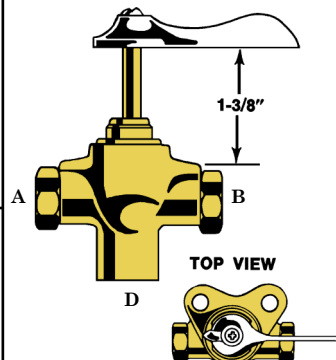


30 PSI MAX.
FLOW: A TO C OR B TO C

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

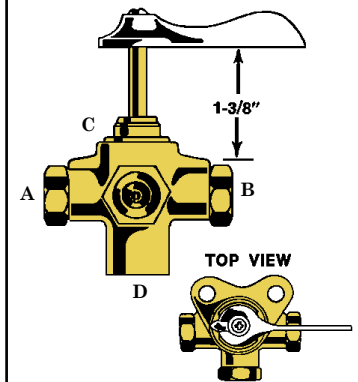


30 PSI MAX.
FLOW: A TO D OR B TO D

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

HANDLE WILL CLICK AT PORT POSITIONS

70L - FOUR WAY TRUCK AUXILIARY TANKS

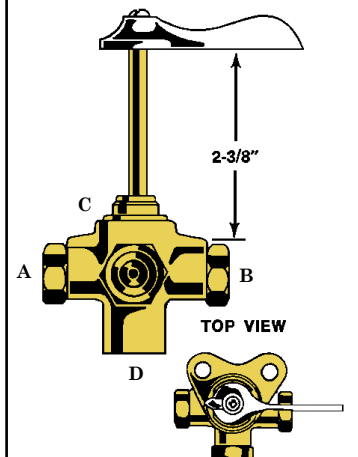


30 PSI MAX. FLOW: A TO D OR B TO D, OR C TO D

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

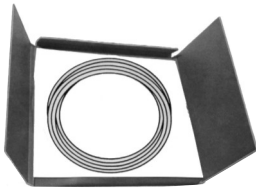
PLASTIC CASE - **DRY**
2&1/2" O.D. 1/4 MALE PIPE

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

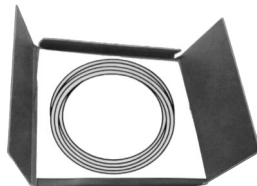


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-1A	1/8	.030
TU-1AA	5/32	.030
TU-1B	3/16	.030
TU-1C	1/4	.030
TU-1D	5/16	.032
TU-1E	3/8	.032
TU-1F	1/2	.032
TU-1G	7/16	.032
TU-1H	5/8	.035
TU-1J	3/4	.035

TU-2 - SOFT REFRIGERATION COPPER TUBING

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

REFRIGERATION

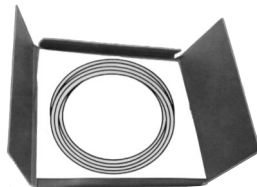


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-2A	1/8	.030
TU-2B	3/16	.030
TU-2C	1/4	.030
TU-2D	5/16	.032
TU-2E	3/8	.032
TU-2F	1/2	.032
TU-2H	5/8	.035
TU-2J	3/4	.035

TU-6 - SOFT TRUCK AIRBRAKE COPPER TUBING

SOLD IN 50 FT. COILS
BOXED INDIVIDUALLY
ORDER BY COIL

AIR BRAKE

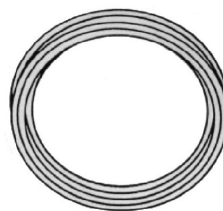


CAT. NO.	TUBE O.D.	WALL THICKNESS
TU-6C	1/4	.035
TU-6D	5/16	.042
TU-6E	3/8	.049
TU-6F	1/2	.049
TU-6H	5/8	.049
TU-6J	3/4	.049

AL2 - SOFT ALUMINUM TUBING

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

ALUMINUM

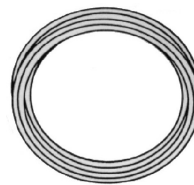


CAT. NO.	TUBE O.D.
AL2A	1/8
AL2B	3/16
AL2C	1/4
AL2D	5/16
AL2E	3/8
AL2F	1/2
AL2H	5/8

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



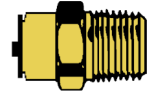
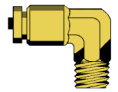
DOT UNIONS		
PP62AA-DOT 5/32	3	
PP62C-DOT 1/4	3	
PP62E-DOT 3/8	3	
PP62F-DOT 1/2	2	
PP62H-DOT 5/8	1	
PP62J-DOT 3/4	1	

DOT MALE CONN		
PP68AA-DOT 5/32X1/8	3	
PP68C-DOT 1/4X1/8	3	
PP68CC-DOT 1/4X1/4	3	
PP68EE-DOT 3/8X1/4	3	

PP68EEE-DT 3/8X3/8	3	
PP68EF-DOT 3/8X1/2	2	
PP68FF-DOT 1/2X1/2	2	
PP68H-DOT 5/8X1/2	1	
PP68J-DOT 3/4X1.2	1	
PP68JJ-DOT 3/4X3/4	1	

SWIVEL MALE EL'S		
PP69SC-DOT 1/4X1/8	2	
PP69SCC-DT 1/4X1/4	2	
PP69SEE-DT 3/8X1/4	2	
PP69SEEE-DT 3/8X3/8	2	
PP69SF-DT 1/2X3/8	1	
PP69SFF-DT 1/2X1/2	1	

PP69AA-DT 5/32X1/8	3	
PP69C-DT 1/4X1/8	3	
PP69CC-DT 1/4X1/4	3	
PP69EE-DT 3/8X1/4	3	
PP69EEE-DT 3/8X3/8	2	
PP69F-DT 1/2X3/8	1	
PP69FF-DT 1/2X1/2	1	



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		
N5C 1/4	4	
N5E 3/8	4	
N5F 1/2	4	

FLARE NUTS		
41C 1/4	5	
41E 3/8	10	
41F 1/2	5	
41H 5/8	3	

FLARE UNIONS		
42C 1/4X1/4	2	

42E 3/8X3/8	3	
42F 1/2X1/2	3	

FLARE TEES		
44E 3/8	3	
44F 1/2	3	

FLARE X FEM.		
46EEE 3/8X3/8	3	
46EF 3/8X1/2	3	
46FF 1/2X1/2	3	
46FJ 1/2X3/4	3	
46HJ 5/8X3/4	2	

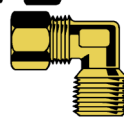
FLARE X MALE		
48C 1/4X1/8	3	
48CC 1/4X1/4	3	
48EE 3/8X1/4	3	
48EEE 3/8X3/8	3	
48EF 3/8X1/2	3	
48F 1/2X3/8	3	
48FF 1/2X1/2	3	
48H 5/8X1/2	3	

FLARE X MALE 90°		
49EF 3/8X1/2	3	
49F 1/2X3/8	3	
49FF 1/2X1/2	3	
50F 1/2X3/8	3	
54EEE 3/8X3/8	3	
54EF 3/8X1/2	3	
54FF 1/2X1/2	3	
54FJ 1/2X3/4	3	
54HJ 5/8X3/4	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		
60B 3/16	10	
60C 1/4	10	
60D 5/16	10	
60E 3/8	10	
L60F 1/2	10	
L60H 5/8	10	

COMP. NUTS		
61B 3/16	10	
61C 1/4	10	
61D 5/16	10	
61E 3/8	10	

L61F 1/2	10	
L61H 5/8	5	

COMP. UNIONS		
62C 1/4	2	
62D 5/16	2	
62E 3/8	3	
L62F 1/2	3	
L62H 5/8	2	

COMP. X MALE		
68C 1/4X1/8	5	
68D 5/16X1/8	5	
68EE 3/8X1/4	5	
68EEE 3/8X3/8	5	
68EF 3/8X1/2	5	
68F 1/2X3/8	5	
L68FF 1/2X1/2	5	
L68H 5/8X1/2	4	

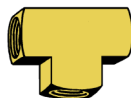
COMP. X MALE 90°		
69C 1/4X1/8	5	
69EE 3/8X1/4	3	
69EEE 3/8X3/8	5	
L69F 1/2X3/8	2	
L69FF 1/2X1/2	2	

COMP. X FEM 90°		
70EEE 3/8X3/8	3	
70EF 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		
101SA 1/8	5	
101SC 1/4	5	
PIPE COUPLINGS		
L103A 1/8	5	
L103C 1/4	5	
L103E 3/8	5	
109A 1/8	10	
109C 1/4	10	
109E 3/8	10	
109XA 1/8	10	
109XC 1/4	10	
109XE 3/8	10	

HEX BUSHINGS		
110C 1/4X1/8	10	
110E 3/8X1/8	10	
110EE 3/8X1/4	10	
110F 1/2X3/8	5	
110FC 1/2X1/4	5	
CLOSE NIPPLES		
112A 1/8	10	
112C 1/4	5	
HEX NIPPLES		
112XA 1/8	5	
112XC 1/4	5	
LONG NIPPLES		
117A1&1/2 1/8X1.5	5	
117C1&1/2 1/4 X 1.5	5	

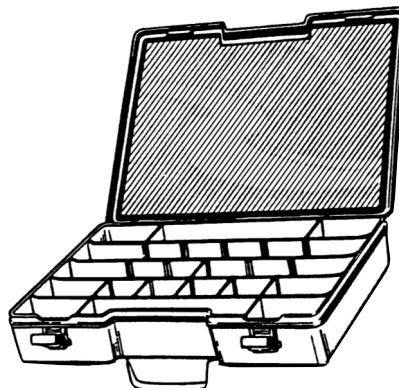
REDUCERS		
119C 1/4X1/8	5	
119EE 3/8X1/4	3	
REDUCING ADPTR		
120RCA 1/4X1/8	5	
120REC 3/8X1/4	5	
STREET ELBOWS		
116SA-97 1/8	5	
116SC-97 1/4	5	
116SE-30 3/8	5	

45° STREET ELBOW		
124SA 1/8X1/8	5	
124SC 1/4X1/4	5	
124SE 3/8X3/8	2	
STREET TEES		
FEM X MALE X FEM		
127A 1/8X1/8	3	
127C 1/4X1/4	3	
FEM X FEM X MALE		
127SA 1/8X1/8	3	
127SC 1/4X1/4	3	

BOX FOR ABOVE ASSORTMENTS

#1936BR

18"W X 12"D X 3"H



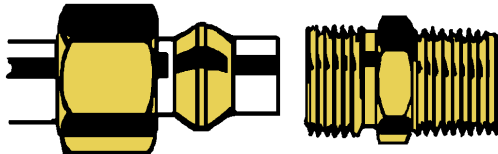
ASSEMBLY INFORMATION

COMPRESSION TUBE FITTINGS

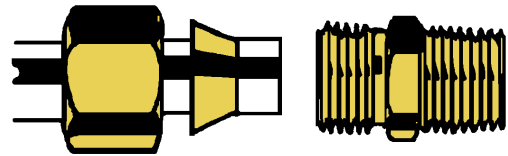
(Do NOT flare tubing)

To Install:

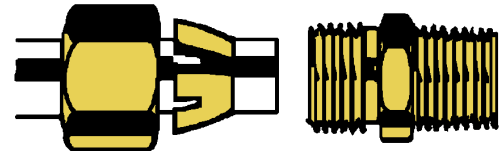
- (1) Slip Tubing Through Nut and Sleeve
- (2) Insert Tubing Into Fitting Up To Shoulder
- (3) Tighten Nut - This Action Spins The Sleeve Onto Tubing Making The Sleeve A Component of The Tubing



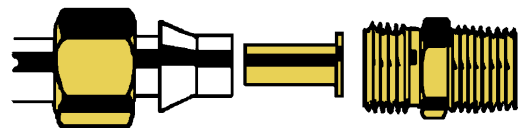
Standard Compression Assembly



Stastrate Sleeve Assembly



Suregrip Sleeve Assembly

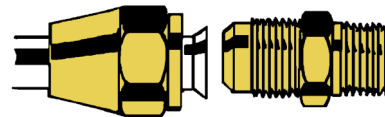


Plastic Sleeve / Insert Assembly

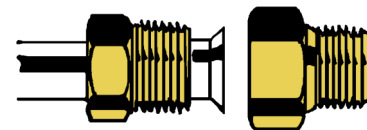
SAE FLARED TUBE FITTINGS

To Install:

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



Standard Flare Assembly

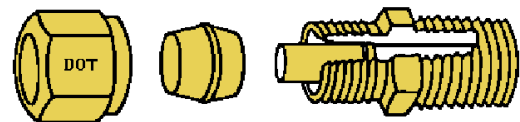


Inverted Flare Assembly

AIR BRAKE

To Install:

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



For Nylon Airbrake Tubing



For Copper Airbrake Tubing

AIR BRAKE REUSEABLE HOSE

To Install:

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



TERMS AND CONDITIONS

1. All orders are accepted by Couplings Company, Inc. ("Couplings Company") with the understanding that all prices will be charged based on PRICES IN EFFECT AT TIME OF SHIPMENT. This pricing also applies to all back orders. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT PREVIOUS NOTICE. All quotations are made for immediate acceptance only.
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.
4. Couplings Company warrants that the goods listed on the face of the invoices or packing slips shall be free from defects in workmanship or material for a period of 30 days after Customer's receipt of those goods. The liability of Couplings Company for any breach of this warranty shall only arise if the defect is reported by Customer to Couplings Company not more than 30 days after Customer's receipt of the goods. The liability of Couplings Company for any breach of this warranty shall be limited to repair or replacement of the goods proven to be defective. Such liability for repair or replacement is expressly agreed by the parties to be (i) the exclusive remedy available to Customer, whether Customer claims under this contract, under tort, under negligence, under strict liability or otherwise, and (ii) in substitution for any other damages or remedies recoverable under law. Customer further agrees that Couplings Company shall not be liable for any other injury, loss or damage, whether direct or indirect, consequential or incidental, arising out of or in any way related to the defective goods. Remedies expressly excluded by this agreement and which shall not be recoverable against Couplings Company include, but shall not be limited to, damages for deterioration, wear, loss of profit, loss of use, or injury whether to person or property. Under no circumstances shall Couplings Company be liable for injury or damage resulting from age, accident, abuse, or recall of products. In no case will Couplings Company have liability for charges for labor, expenses, or other damages.
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.
REFER TO OUR WEBSITE AT www.brassfittings.com for the latest list price changes

We accept:

