

COMPRESSION FITTINGS

MADE
IN THE USA



These are NOT Lead Free
See pages 164-166 for Lead Free products

Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8
Thread Size-B	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
Working Pressure	400	400	300	300	200	200	200	150	100	75

• Typical Application

Use with copper, aluminum and thermoplastic tubing. Not recommended for steel tubing. Manufactured for low and medium pressure tubing connection work where excessive vibration or tube movement is not involved. Not recommended for application using gaseous media.

•Pressure

See table above for working pressures at 73°F.

•Vibration

Fair resistance - use long nut when greater vibration resistance is needed.

•Temperature Range

-65°F to +250°F (-53°C to +121°C) range at maximum operating pressures. (Refer to tubing temperature range.)

•Used With

Aluminum, copper, brass and plastic tubing. Plastic tubing requires insert. Not recommended for steel tubing.

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical.

• Conformance

Meets specifications and standards of ASA, ASME and SAE.

•Assembly Instructions

- 1- Cut tubing to desired length.
- 2- Slide nut and then sleeve on tube. Threaded end "A" of nut must face toward fitting.
- 3- Insert tubing into fitting body. Be sure tubing is bottomed on fitting shoulder.
- 4- Lubricate threads and assemble nut to fitting body.
- 5- Tighten nut hand tight. From that point, tighten with a wrench the number of turns indicated in the chart below.

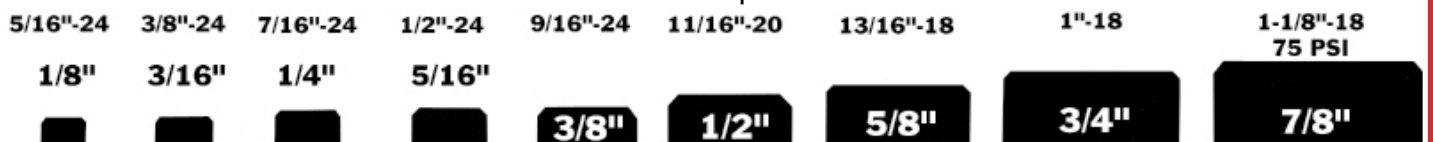
Tube Size	Additional Turns from Hand Tight
1/8" thru 1/4"	1-1/4"
5/16"	1-3/4"
3/8" thru 1"	2-1/4"

• "L" at the end of a Part# means Light Pattern

-These fittings are completely interchangeable with full pattern fittings, but have been modified in some way. This modification is usually in the length of the pipe threads. Used in plumbing and light industrial applications.

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Actual Profile of Compression Threads



COMPRESSION

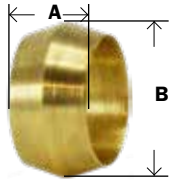
BRASS FITTINGS

MADE IN THE USA

BRASS SLEEVE

• FERRULES

SAE# 060115



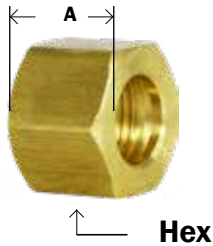
60
00060

MAF #	REF #	SIZE	A	B	APPROX. WT. LBS.	LIST
60-2	18001	1/8"	0.19	0.19	0.01	0.34
260X2		1/8"				0.34
60-3	18002	3/16"	0.22	0.27	0.01	0.36
260X3		3/16"				0.36
60-4	18003	1/4"	0.25	0.34	0.01	0.25
260X4		1/4"				0.25
60-5	18004	5/16"	0.25	0.41	0.01	0.30
260X5		5/16"				0.30
60-6	18005	3/8"	0.25	0.47	0.02	0.30
260X6		3/8"				0.30
60-7	18006	7/16"	0.31	0.53	0.02	0.83
260X7		7/16"				0.83
60-8	18007	1/2"	0.38	0.59	0.02	0.73
260X8		1/2"				0.73
60-10	18008	5/8"	0.38	0.71	0.03	0.84
260X10		5/8"				0.84
60-12	18009	3/4"	0.44	0.87	0.03	1.06
260X12		3/4"				1.93
60-14	18010	7/8"	0.41	0.99	0.03	1.12
260X16	18011	1"	0.55	1.16	0.03	6.95

60 260

BRASS NUT

SAE# 060110



61
00061

MAF #	REF #	SIZE	THREAD	A	HEX	APPROX. WT. LBS.	LIST
61-2		1/8"					0.97
261X2	18033	1/8"	5/16-24	0.38	0.37	0.01	0.97
61X3		3/16"					0.67
261X3	18034	3/16"	3/8-24	0.41	0.43	0.01	0.67
61-4	18035L	1/4"	7/16-24	0.44	0.50	0.02	0.85
261X4	18035	1/4"	7/16-24	0.44	0.50	0.02	0.85
61-5		5/16"					0.94
261X5	18036	5/16"	1/2-24	0.44	0.56	0.02	0.94
61-6	18037L	3/8"	9/16-24	0.47	0.62	0.04	1.46
261X6	18037	3/8"	9/16-24	0.47	0.62	0.04	1.46
61-7		7/16"					4.13
261X7	18038	7/16"	5/8-24	0.50	0.68	0.04	4.13
61-8	18039L	1/2"	11/16-20	0.56	0.75	0.04	4.58
261X8	18039	1/2"	11/16-20	0.62	0.81	0.04	3.02
61-10	18040L	5/8"	13/16-18	0.56	0.87	0.06	26.57
261X10	18040	5/8"	13/16-18	0.62	0.94	0.06	3.37
61-12		3/4"					4.45
261X12	18041	3/4"	1-18	0.68	1.12	0.08	4.45
61-14		7/8"					5.35
261X14	18042	7/8"	1-1/8 - 18	0.62	1.25	0.10	5.53
261X16	18043	1"		0.94	1.38	0.15	9.40

61 261



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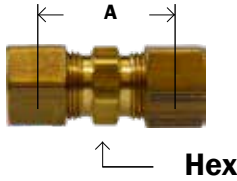
COMPRESSION

BRASS FITTINGS

MADE IN THE USA

UNION

SAE# 060101BA

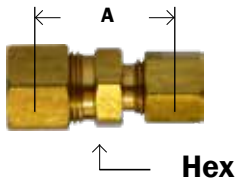


62
262
00062

MAF #	REF #	SIZE	A	HEX	APPROX. WT. LBS.	LIST
62-2		1/8"				5.15
262X2	18062	1/8"	0.64	0.31	0.03	5.15
62-3		3/16"				2.94
262X3	18063	3/16"	0.75	0.37	0.04	2.94
62-4	18064L	1/4"	0.79	0.43	0.06	3.10
262X4	18064	1/4"	0.81	0.43	0.06	3.10
62-5		5/16"				3.97
262X5	18065	5/16"	0.88	0.50	0.06	3.97
62-6	18066L	3/8"	0.96	0.56	0.09	3.88
262X6	18066	3/8"	0.98	0.56	0.10	3.88
62FC-6		3/8"				11.93
62-7	18067	7/16"	1.02	0.62	0.12	20.74
62-8	18068L	1/2"	1.06	0.68	0.16	9.79
262X8	18068	1/2"	1.25	0.68	0.16	9.79
62-10	18069L	5/8"	1.43	0.81	0.24	12.71
262X10	18069	5/8"	1.25	0.81	0.26	12.71
262X12	18070	3/4"	1.41	1.00	0.35	22.78
62-14	18071L	7/8"	1.03	1.12	0.34	20.37
262X14	18071	7/8"	1.00	1.12	0.36	20.37
262X16	18072	1"	1.78	1.38	0.58	72.29

M-62

REDUCING UNION



62R
00082

MAF #	REF #	SIZE	A	HEX	APPROX. WT. LBS.	LIST
62R-32		3/16" x 1/8"				13.04
62R-42	18076	1/4" x 1/8"	0.73	0.44	0.04	4.71
62R-43	18077	1/4" x 3/16"	0.78	0.44	0.06	8.52
62R-54	18078	5/16" x 1/4"	0.81	0.50	0.06	5.07
62R-64	18079	3/8" x 1/4"	0.90	0.56	0.10	7.68
262RX6X4		3/8" x 1/4"				7.68
62R-65	18080	3/8" x 5/16"	0.94	0.56	0.10	7.61
262RX8X4		1/2" x 1/4"				9.67
262RX8X6	18081	1/2" x 3/8"	1.03	0.68	0.12	8.67
62R-106	18082	5/8" x 3/8"	1.03	0.81	0.15	8.53
62R-108	18083	5/8" x 1/2"	1.16	0.81	0.18	9.39
262RX10X8		5/8" x 1/2"				9.39
62R-146	18085	7/8" x 3/8"	1.18	1.18	0.26	30.56
262RX14X8	18086	7/8" x 1/2"	1.21	1.18	0.24	28.90
262RX14X10	18084	7/8" x 5/8"	1.23	1.18	0.20	31.40
262RX14X12		7/8" x 3/4"				32.85

62-R

DRILLED THRU TANK UNION

00092

MAF #	SIZE	A	HEX	APPROX. WT. LBS.	LIST
62T-2	1/8"				8.65
62T-4	1/4"				7.12
62T-6	3/8"				6.11
62T-8	1/2"				8.53
62T-10	5/8"				14.27
62T-14	7/8"				32.71

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MID-AMERICA FITTINGS

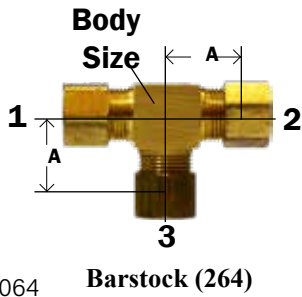
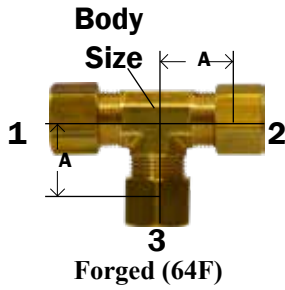
COMPRESSION

BRASS FITTINGS

MADE IN THE USA

TEE

SAE# 060401

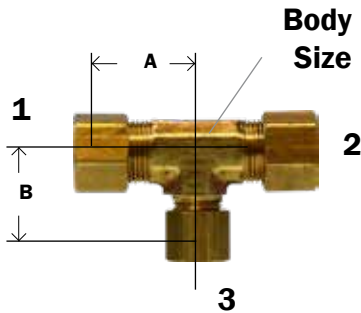


64
00064

MAF #	REF #	SIZE	A	BODY SIZE	APPROX. WT. LBS.	LIST
64F-2		1/8"				14.83
264X2	18101	1/8"	0.61	0.37	0.04	12.04
64F-3		3/16"				6.19
264X3	18102	3/16"	0.59	0.36	0.08	8.75
64F-4		1/4"				5.71
264X4	18103	1/4"	0.63	0.36	0.10	10.88
64F-5		5/16"				9.05
264X5	18104	5/16"	0.72	0.50	0.13	14.22
64F-6		3/8"				7.83
264X6	18105	3/8"	0.75	0.50	0.16	14.46
64F-7		7/16"				...
264X7	18106	7/16"	0.94	0.59	0.22	...
64F-8		1/2"				15.32
264X8	18107	1/2"	1.06	0.69	0.28	32.97
64F-10		5/8"				16.34
264X10	18108	5/8"	1.22	0.88	0.32	...
64F-12		3/4"				53.21
264X12	18109	3/4"	1.25	0.94	0.34	...
64F-14		7/8"				42.74
264X14	18010	7/8"				...
264X16	18011	1"				...

64 264C

FORGED REDUCING TEE

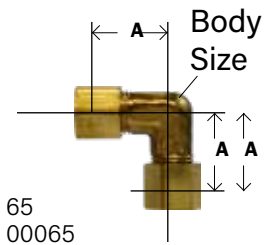


64R
00084

MAF #	REF #	SIZE 1 X 2 X 3	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
64FR-442	18114	1/4" x 1/4" x 1/8"	0.62	0.59	0.38	0.09	8.19
64FR-446	18110	1/4" x 1/4" x 3/8"	0.69	0.75	0.50	0.14	18.13
64FR-554		5/16" x 5/16" x 1/4"					12.74
64FR-644	18111	3/8" x 1/4" x 1/4"	0.75	0.69	0.50	0.12	11.14
64FR-664	18115	3/8" x 3/8" x 1/4"	0.75	0.69	0.50	0.14	8.18
64FR-884	18116	1/2" x 1/2" x 1/4"	0.94	0.81	0.59	0.16	15.47
64FR-886	18117	1/2" x 1/2" x 3/8"	0.94	0.81	0.59	0.24	16.64
64FR-10106	18118	5/8" x 5/8" x 3/8"	1.06	0.94	0.69	0.28	19.90
64FR-10108	18119	5/8" x 5/8" x 1/2"	1.06	1.06	0.69	0.30	22.04

64-R

UNION ELBOW SAE# 060201



65
00065

MAF #	REF #	SIZE	A	BODY SIZE	APPROX. WT. LBS.	LIST
265X2	18122B	1/8"	0.62	0.35	0.04	...
265X3	18123	3/16"	0.61	0.37	0.06	7.25
265X4	18124	1/4"	0.66	0.38	0.08	...
265X5	18125	5/16"	0.69	0.47	0.09	...
265X6	18126	3/8"	0.72	0.43	0.12	...
265X8	18127	1/2"	0.94	0.59	0.19	...
65F-10	18128	5/8"	1.06	0.72	0.26	11.43
65F-12	18129	3/4"	1.19	0.94	0.48	28.89
65F-14	18130	7/8"	1.25	0.94	0.44	32.00

65 BSE2 165C 265C

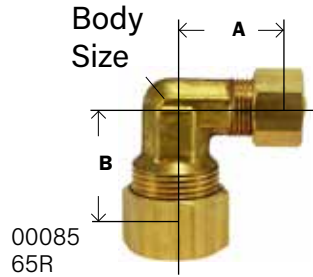
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COMPRESSION

BRASS FITTINGS

MADE IN THE USA

REDUCING ELBOW - FORGED

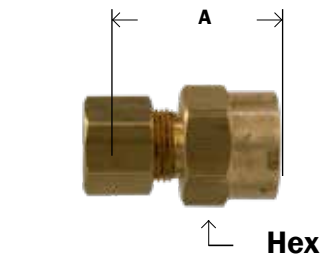


MAF #	REF #		A	B	BODY SIZE	APPROX. WT. LBS.	LIST
65FR-64	18135	3/8" x 1/4"	0.69	0.75	0.47	0.12	11.28
65FR-86	18136	1/2" x 3/8"	0.88	0.94	0.59	0.15	12.41
65R-106	18137	5/8" x 3/8"	0.88	0.97	0.56	0.18	8.85
65R-108		5/8" x 1/2"					

65-R

FEMALE ADAPTER

SAE# 060103



66

MAF #	REF #	COMP. X FEMALE NPTF	A	HEX	APPROX. WT. LBS.	LIST
66-22	18142	1/8" x 1/8"	0.75	0.56	0.02	3.66
66-32	18143	3/16" x 1/8"	0.78	0.56	0.04	4.75
66-34	18144	3/16" x 1/4"	0.96	0.68	0.04	11.12
66-42	18145L	1/4" x 1/8"	0.84	0.50	0.05	3.01
266X4	18145	1/4" x 1/8"	0.78	0.56	0.05	3.01
66-44	18146L	1/4" x 1/4"	0.88	0.62	0.09	4.15
266X4X4	18146	1/4" x 1/4"	1.03	0.68	0.09	6.83
66-46		1/4" x 3/8"				7.02
66-48	18148	1/4" x 1/2"	1.02	0.87	0.12	17.67
66S-410*		1/4" x 5/8"				7.33
66-52	18149	5/16" x 1/8"	0.81	0.56	0.05	4.45
66-54	18150	5/16" x 1/4"	0.91	0.62	0.06	6.22
66-56		5/16" x 3/8"				8.22
66-62	18152	3/8" x 1/8"	0.88	0.56	0.06	4.35
66-64	18153L	3/8" x 1/4"	0.97	0.62	0.08	5.44
266X6	18153	3/8" x 1/4"	1.06	0.68	0.08	7.33
66-66	18154L	3/8" x 3/8"	1.03	0.75	0.08	3.82
266X6X6	18154	3/8" x 3/8"	1.06	0.81	0.10	7.97
66-68	18155	3/8" x 1/2"	1.12	1.00	0.08	6.25
66S-610*		3/8" x 5/8"				7.02
66-612	18156	3/8" x 3/4"	1.19	1.16	0.14	18.01
66-84	18157	1/2" x 1/4"	1.09	0.68	0.10	11.65
66-86	18158L	1/2" x 3/8"	0.94	0.81	0.12	9.02
266X8	18158	1/2" x 3/8"	1.12	0.81	0.12	9.49
66-88	18159L	1/2" x 1/2"	1.19	1.00	0.12	7.16
266X8X8	18159	1/2" x 1/2"	1.31	1.00	0.12	14.73
66T-88**		1/2"				5.37
66S-810*		1/2" x 5/8"				12.24
66-812	18160	1/2" x 3/4"	1.25	1.16	0.18	17.23
66-106		5/8" x 3/8"				12.95
66-108	18162L	5/8" x 1/2"	1.20	0.94	0.18	7.86
266X10	18162	5/8" x 1/2"	1.38	1.00	0.18	12.86
66-1012	18163	5/8" x 3/4"	1.20	1.12	0.22	11.29
66-128	18164	3/4" x 1/2"	1.25	1.06	0.26	20.38
66-1212	18165	3/4" x 3/4"	1.28	1.19	0.28	29.47
66-148	18167	7/8" x 1/2"	1.28	1.19	0.32	19.62
66-1412	18166	7/8" x 3/4"	1.31	1.12	0.34	23.56

• More sizes available online

* Comp x SWT

** Drilled thru

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MID-AMERICA FITTINGS

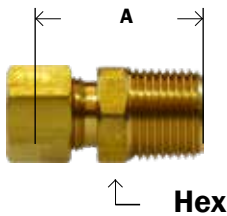
COMPRESSION

BRASS FITTINGS

MADE IN THE USA

MALE ADAPTER

SAE# 060102



68
00068

MAF #	REF #	COMP. X MALE NPTF	A	HEX	APPROX. WT. LBS.	LIST
68-21	18175	1/8" x 1/16"	0.78	0.37	0.02	9.05
268X2	18176	1/8" x 1/8"	0.78	0.43	0.04	...
68-32		3/16" x 1/8"				2.09
268X3	18177	3/16" x 1/8"	0.84	0.43	0.04	2.20
68-34	18178	3/16" x 1/4"	0.94	0.56	0.06	5.33
68-42	18179L	1/4" x 1/8"	0.88	0.56	0.04	2.29
268X4	18179	1/4" x 1/8"	0.88	0.43	0.04	2.29
68-44	18180L	1/4" x 1/4"	0.94	0.56	0.05	2.47
268X4X4	18180	1/4" x 1/4"	1.06	0.56	0.06	3.50
268X4X6	18181	1/4" x 3/8"	1.03	0.68	0.08	...
268X4X8	18182	1/4" x 1/2"	1.09	0.81	0.10	...
68-52		5/16" x 1/8"				2.93
268X5	18183	5/16" x 1/8"	0.91	0.50	0.05	2.93
68-54	18184L	5/16" x 1/4"	1.01	0.56	0.06	3.60
268X5X4	18184	5/16" x 1/4"	1.09	0.56	0.06	3.82
68-56	18185	5/16" x 3/8"	1.06	0.68	0.07	6.36
68-58	18186	5/16" x 1/2"	1.14	0.87	0.10	17.93
68-62	18187L	3/8" x 1/8"	0.94	0.56	0.06	4.30
268X6X2	18187	3/8" x 1/8"	0.97	0.56	0.06	4.51
68-64	18188L	3/8" x 1/4"	1.03	0.56	0.06	3.82
268X6X4	18188	3/8" x 1/4"	1.16	0.56	0.07	...
68-66	18189L	3/8" x 3/8"	1.09	0.68	0.08	4.18
268X6X6	18189	3/8" x 3/8"	1.14	0.69	0.08	4.90
68-68	18190L	3/8" x 1/2"	1.19	0.88	0.12	5.85
268X6X8	18190	3/8" x 1/2"	1.34	0.87	0.13	6.67
68LP-68		3/8" x 1/2"				4.85
68-612	18191	3/8" x 3/4"	1.29	1.06	0.16	11.74
268X7	18192	7/16" x 1/4"	1.06	0.62	0.10	11.59
68-76	18204	7/16" x 3/8"	1.10	0.68	0.12	9.47
68-84	18193L	1/2" x 1/4"	1.09	0.69	0.11	7.13
268X8X4	18193	1/2" x 1/4"	1.22	0.68	0.11	7.94
68-86	18194L	1/2" x 3/8"	1.16	0.68	0.12	6.25
268X8	18194	1/2" x 3/8"	1.16	0.69	0.12	5.85
68-88	18195L	1/2" x 1/2"	1.09	0.81	0.12	6.52
268X8X8	18195	1/2" x 1/2"	1.41	0.87	0.19	8.63
68-812	18196	1/2" x 3/4"	1.38	1.06	0.22	9.04
68-104	18216	5/8" x 1/4"	1.21	0.87	0.22	8.29
268X10X6	18197	5/8" x 3/8"	1.22	0.87	0.24	...
68-108	18198	5/8" x 1/2"	1.12	0.81	0.24	8.23
268X10		5/8" x 1/2"				13.66
68-1012	18199	5/8" x 3/4"	1.31	1.06	0.26	9.49
68-128	18200	3/4" x 1/2"	1.44	1.00	0.26	13.17
68-1212	18201	3/4" x 3/4"	1.50	1.06	0.26	12.91
68-148	18202	7/8" x 1/2"	1.18	1.12	0.26	21.08
68-1412	18203	7/8" x 3/4"	1.22	1.12	0.28	11.74
68-1416	18205	7/8" x 1"	1.67	1.37	0.32	59.96
68-1612	18206	1" x 3/4"	1.95	1.37	0.44	61.41
68-1616	18207	1" x 1"	2.00	1.38	0.48	68.60

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

68

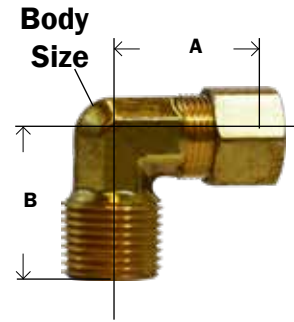
COMPRESSION

BRASS FITTINGS

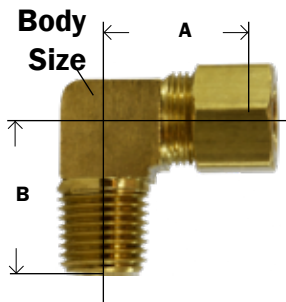
MADE IN THE USA

MALE ELBOW

SAE# 060202



Forged (69F)



Barstock (269)

69
00069

MAF #	REF #	COMP. X MALE NPTF	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
269X2X1	18219	1/8" x 1/16"	0.59	0.73	0.34	0.02	8.07
69F-22	18220	1/8" x 1/8"	0.59	0.75	0.34	0.02	7.06
269X2	18220B*	1/8" x 1/8"	0.60	0.67	0.43	0.04	3.85
69F-32	18221	3/16" x 1/8"	0.63	0.72	0.34	0.04	4.72
269X3	18221B*	3/16" x 1/8"	0.62	0.69	0.43	0.06	3.65
69F-34	18223	3/16" x 1/4"	0.60	0.81	0.39	0.05	5.54
269X3X4	18223B*	3/16" x 1/4"	0.65	0.85	0.41	0.08	7.86
69F-42	18224	1/4" x 1/8"	0.60	0.75	0.37	0.06	4.09
69-42		1/4" x 1/8"					3.37
269X4	18224B*	1/4" x 1/8"	0.62	0.75	0.43	0.06	3.73
69F-44	18225	1/4" x 1/4"	0.65	0.94	0.36	0.08	4.45
269X4X4	18225B*	1/4" x 1/4"	0.61	0.81	0.56	0.08	4.33
69F-46	18226	1/4" x 3/8"	0.75	0.91	0.47	0.08	6.29
269X4X6	18226B	1/4" x 3/8"					16.13
69F-48	18227	1/4" x 1/2"	0.81	1.13	0.56	0.12	10.42
69F-52	18228	5/16" x 1/8"	0.66	0.75	0.47	0.06	5.46
269X5	18228B*	5/16" x 1/8"	0.62	0.75	0.42	0.06	5.00
69F-54	18229	5/16" x 1/4"	0.66	0.81	0.47	0.07	5.41
269X5X4	18229B*	5/16" x 1/4"	0.69	0.84	0.57	0.08	7.10
69F-56	18230	5/16" x 3/8"	0.75	0.91	0.47	0.10	6.37
69F-58	18231	5/16" x 1/2"	0.84	1.12	0.56	0.12	10.22
69F-62	18232	3/8" x 1/8"	0.72	0.66	0.39	0.06	4.36
269X6X2	18232B*	3/8" x 1/8"	0.69	0.69	0.57	0.06	7.49
69F-64	18233	3/8" x 1/4"	0.75	0.82	0.46	0.08	5.85
269X6	18233B*	3/8" x 1/4"	0.75	0.94	0.57	0.08	6.07
69-66	18234	3/8" x 3/8"	0.81	0.94	0.46	0.10	6.43
269X6X6	18234B*	3/8" x 3/8"	0.71	0.83	0.69	0.10	10.18
69F-68	18235	3/8" x 1/2"	0.87	1.12	0.56	0.14	12.40
269X6X8	18235B*	3/8" x 1/2"	0.88	1.16	0.94	0.14	20.07
69S-610**		3/8" x 5/8"					7.32
69F-612	18248	3/8" x 3/4"	1.03	1.19	0.81	0.18	12.92
269X6X12	18248B*	3/8" x 3/4"	1.03	1.20	0.86	0.16	17.92
69F-74	18247	7/16" x 1/4"	0.84	1.00	0.56	0.14	10.97
69F-76		7/16" x 3/8"					11.95
69F-84	18236	1/2" x 1/4"	0.88	0.97	0.56	0.14	8.86
269X8X4	18236B*	1/2" x 1/4"	0.85	0.94	0.07	0.17	13.71
69F-86	18237	1/2" x 3/8"	0.88	1.03	0.56	0.19	7.99
269X8	18237B*	1/2" x 3/8"	0.94	1.12	0.70	0.19	11.35
69F-88	18238	1/2" x 1/2"	0.94	1.13	0.59	0.17	9.04
269X8X8	18238B*	1/2" x 1/2"	0.94	1.31	0.86	0.17	18.01
69F-812	18239	1/2" x 3/4"	1.16	1.25	0.81	0.18	19.31
69F-106	18240	5/8" x 3/8"	1.06	1.12	0.68	0.18	9.65
269X10X6		5/8" x 3/8"					17.58
69F-108	18241	5/8" x 1/2"	1.06	1.16	0.68	0.20	10.45
269X10	18241B*	5/8" x 1/2"	1.06	1.31	0.86	0.20	...
69F-1012	18242	5/8" x 3/4"	1.16	1.31	0.81	0.24	16.61
69F-128	18243	3/4" x 1/2"	1.19	1.31	0.94	0.26	17.91
69F-1212	18245	3/4" x 3/4"	1.19	1.38	0.94	0.30	20.26
69F-148		7/8" x 1/2"					35.45
69F-1412	18246	7/8" x 3/4"	1.25	1.38	0.94	0.35	31.05

* Barstock

** Compression x SWT

69 269C BSE1 169C

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

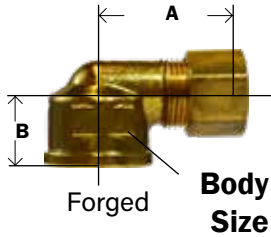
COMPRESSION

BRASS FITTINGS

MADE IN THE USA

FEMALE ELBOW

SAE# 060203



70

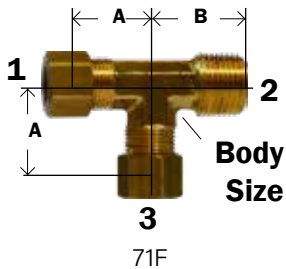
MAF #	REF #	COMP. X FEMALE NPTF	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
70F-22	18251	1/8" x 1/8"	0.69	0.56	0.56	0.04	9.02
270X2*	18251B*	1/8" x 1/8"	0.69	0.60	0.57	0.06	8.15
70F-32	18252	3/16" x 1/8"	0.69	0.47	0.56	0.04	5.35
270X3*	18252B*	3/16" x 1/8"	0.60	0.60	0.58	0.07	7.76
70F-42	18253	1/4" x 1/8"	0.69	0.47	0.56	0.06	5.31
270X4*	18253B*	1/4" x 1/8"	0.69	0.56	0.56	0.06	6.40
70F-44	18254	1/4" x 1/4"	0.75	0.50	0.72	0.08	6.25
270X4X4*	18254B*	1/4" x 1/4"	0.72	0.85	0.68	0.13	7.89
70F-46	18267	1/4" x 3/8"	0.81	0.58	0.81	0.08	10.93
70F-48	18268	1/4" x 1/2"	0.89	0.66	1.00	0.10	11.28
70F-52	18255	5/16" x 1/8"	0.72	0.84	0.47	0.08	9.85
70F-54	18256	5/16" x 1/4"	0.78	0.50	0.72	0.09	9.61
70F-62	18257	3/8" x 1/8"	0.75	0.84	0.47	0.10	7.65
70F-64	18258	3/8" x 1/4"	0.84	0.59	0.75	0.10	6.76
270X6*		3/8" x 1/4"					9.99
70F-66	18259	3/8" x 3/8"	0.88	0.58	0.81	0.12	7.80
70F-68	18260	3/8" x 1/2"	0.97	0.66	1.00	0.14	8.95
70F-612	18250	3/8" x 3/4"	1.09	0.72	1.25	0.18	14.28
70F-84	18261	1/2" x 1/4"	1.06	0.70	0.88	0.18	12.44
70F-86	18262	1/2" x 3/8"	1.00	0.70	0.88	0.16	10.38
270X8*	18262B	1/2" x 3/8"					29.20
70F-88	18263	1/2" x 1/2"	1.03	0.72	1.00	0.20	10.71
70F-812	18270	1/2" x 3/4"	1.16	0.72	1.25	0.23	15.38
70F-106	18269	5/8" x 3/8"	1.09	0.77	1.00	0.20	15.75
70F-108	18264	5/8" x 1/2"	1.09	0.77	1.00	0.22	12.24
270X10		5/8" x 1/2"					...
70DE-108**		5/8" x 1/2"					22.71
70F-1012	18265	5/8" x 3/4"	1.22	0.77	1.25	0.24	16.81
70F-128	18266	3/4" x 1/2"	1.25	1.25	0.94	0.28	27.51

* Barstock

** Drop ear elbow

70 270C BSE3 170C

FORGED MALE RUN TEE



71
00071

MAF #	REF #	COMP. X MALE NPTF (1&3) X 2	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
71F-22	18272	1/8" x 1/8"	0.63	0.69	0.36	0.06	7.09
271X2*		1/8" x 1/8"					14.85
71F-32	18273	3/16" x 1/8"	0.63	0.69	0.36	0.07	7.09
271X3*	18273B*	3/16" x 1/8"	0.63	0.69	0.36	0.06	13.41
71F-42	18274	1/4" x 1/8"	0.63	0.75	0.36	0.08	6.12
271X4*	18274B*	1/4" x 1/8"	0.63	0.75	0.36	0.07	16.79
71F-44	18275	1/4" x 1/4"	0.69	0.88	0.44	0.10	7.23
71F-52	18276	5/16" x 1/8"	0.72	0.75	0.50	0.10	9.53
271X5*		5/16" x 1/8"					22.33
71F-54	18277	5/16" x 1/4"	0.75	0.88	0.44	0.10	9.25
71F-62	18278	3/8" x 1/8"	0.75	0.75	0.50	0.14	10.24
71F-64*	18279	3/8" x 1/4"	0.79	0.87	0.44	0.18	7.93
271X6*	18280	3/8" x 1/4"	0.88	1.00	0.47	0.20	16.79
71F-66	18281	3/8" x 3/8"	0.94	1.09	0.59	0.24	12.21
71F-86	18282	1/2" x 3/8"	0.97	1.19	0.69	0.26	14.88
71F-88	18283	1/2" x 1/2"	1.06	1.31	0.69	0.28	19.41
71F-108	18284	5/8" x 1/2"	1.22	1.34	0.88	0.30	18.11
71F-128		3/4" x 1/2"					42.95
71F-1212		3/4" x 3/4"					52.66

* Barstock

71 171C BST3

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

COMPRESSION

BRASS FITTINGS

MADE IN THE USA

MALE BRANCH TEE

SAE# 060425



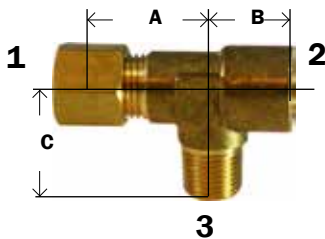
72
00072

MAF #	REF #	COMP. X MALE NPTF (1&2) X 3	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
72F-22	18289	1/8" x 1/8"					12.18
272X2*	18289B	1/8" x 1/8"					14.85
272X3	18290	3/16" x 1/8"	0.63	0.69	0.36	0.08	...
72F-42	18291	1/4" x 1/8"	0.62	0.75	0.36	0.10	6.61
272X4*	18291B*	1/4" x 1/8"	0.64	0.73	0.45	0.10	11.32
72F-44	18292	1/4" x 1/4"	0.69	0.86	0.44	0.10	7.66
272X4X4*	18292B	1/4" x 1/4"					23.81
72F-52	18293	5/16" x 1/8"	0.72	0.75	0.50	0.11	7.66
72F-54	18294	5/16" x 1/4"	0.75	0.88	0.44	0.12	8.57
272X5*	18294B	5/16" x 1/4"					17.58
72F-62	18295	3/8" x 1/8"	0.75	0.75	0.50	0.14	10.23
72F-64	18296	3/8" x 1/4"	0.78	0.88	0.44	0.16	7.84
272X6*	18296B	3/8" x 1/4"					19.94
72F-66	18297	3/8" x 3/8"	0.78	0.97	0.47	0.18	11.49
72F-68	18298	3/8" x 1/2"	0.88	1.22	0.69	0.20	17.59
72F-84	18304	1/2" x 1/4"	0.94	0.97	0.59	0.22	15.21
272X8*	18299B*	1/2" x 3/8"	0.96	1.09	0.70	0.24	28.57
72F-86	18299	1/2" x 3/8"	0.94	1.12	0.59	0.24	14.56
72F-88	18300	1/2" x 1/2"	0.97	1.19	0.69	0.30	18.40
72F-108	18301	5/8" x 1/2"	1.06	1.31	0.69	0.32	20.73
72F-128	18302	3/4" x 1/2"	1.22	1.34	0.88	0.50	46.07
72F-1212	18303	3/4" x 3/4"	1.25	1.50	0.88	0.54	43.37

* Barstock

72 **BST1 172C**

TEE - COMP X FIP X MIP



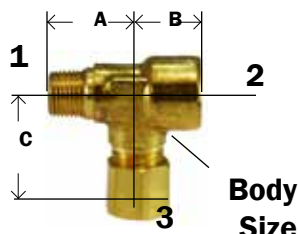
75
273 BARSTOCK
00075

MAF #	REF #	COMP. X FEMALE NPTF X MALE NPTF 1X(2&3)	A	B	C	APPROX. WT. LBS.	LIST
273X4*		1/4" x 1/8"					6.76
273X6*		3/8" x 1/4"					13.94
75F-42	18307	1/4" x 1/8"	0.72	0.53	0.72	0.20	8.25

* Barstock

BST3

ADAPTER TEE & GAUGE TEE



76
00076

MAF #	REF #	MALE NPTF X FEMALE NPTF X COMP. 3 X (1&2)	A	B	C	BODY SIZE	APPROX. WT. LBS.	LIST
276X2*		1/8" x 1/8"						16.25
276X3*		3/16" x 1/8"						21.13
76F-42	18314	1/4" x 1/8"	0.72	0.53	0.72	0.47	0.08	9.13
276X4*		1/4" x 1/8"						9.95
2905X4**		5/16" x 1/4"						12.55
76F-64	18316	3/8" x 1/4"	0.84	0.97	0.81	0.47	0.10	...

* Barstock

** Gauge tee

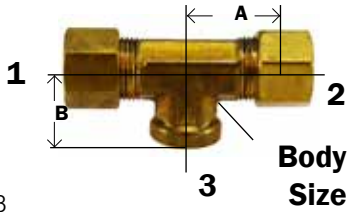
76 **176C**

COMPRESSION

BRASS FITTINGS

MADE IN THE USA

FEMALE BRANCH FORGED TEE



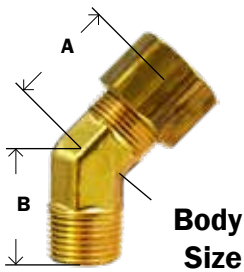
78
00078

MAF #	REF #	COMP. X FEMALE NPTF (1&2)X3	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
78-42	18321	1/4" x 1/8"	0.78	0.75	0.45	0.10	7.86
78-44	18328	1/4" x 1/4"	0.78	0.75	0.44	0.12	12.28
78-62	18325	3/8" x 1/8"	0.75	0.63	0.50	0.12	10.21
78-64	18322	3/8" x 1/4"	0.81	0.97	0.47	0.14	12.37
78-66	18323	3/8" x 3/8"	0.97	0.69	1.05	0.16	18.48
78-82	18326	1/2" x 1/8"	0.94	0.75	0.59	0.20	16.18
78-86	18324	1/2" x 3/8"	1.00	0.72	0.88	0.22	24.33
78-102	18327	5/8" x 1/8"	1.06	0.81	0.69	0.26	21.95

78 **BST4 77 177C 2908**

45° ELBOW

SAE# 060302



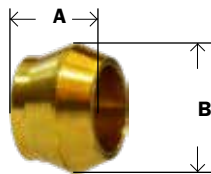
6945
00095

MAF #	REF #	COMP. X MALE NPTF	A	B	BODY SIZE	APPROX. WT. LBS.	LIST
6945F-32	18329	3/16" x 1/8"	0.40	0.63	0.41	0.04	6.11
6945F-42	18330	1/4" x 1/8"	0.40	0.61	0.41	0.04	5.61
273X4*	18330B	1/4" x 1/8"					6.76
6945F-44	18336	1/4" x 1/4"	0.59	0.84	0.53	0.06	8.23
6945F-52	18331	5/16" x 1/8"	0.59	0.65	0.53	0.06	9.03
6945F-54	18332	5/16" x 1/4"	0.59	0.83	0.53	0.08	9.56
6945F-64	18333	3/8" x 1/4"	0.62	0.83	0.53	0.08	7.35
273X6*	18333B	3/8" x 1/4"					13.94
6945F-66	18338	3/8" x 3/8"	0.75	0.95	0.59	0.10	20.01
6945F-86	18334	1/2" x 3/8"	0.75	0.88	0.59	0.14	9.09
6945F-88	18339	1/2" x 1/2"	0.94	1.14	0.75	0.14	17.65
6945F-108	18335	5/8" x 1/2"	0.78	1.14	0.78	0.14	18.78

* Barstock

6945 **45BSE1 74 179C 273 77**

COMPRESSION PLUG

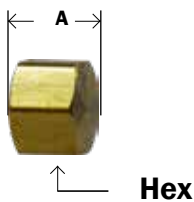


60CP
60CSP
00039

MAF #	REF #	SIZE	A	B	APPROX. WT. LBS.	LIST
60CSP-4	18028	1/4"	0.30	0.34	0.01	2.69
60CSP-6	18029	3/8"	0.31	0.47	0.04	2.18
60CSP-5	18032	5/16"	0.40	0.40	0.01	4.61
60CSP-8	18030	1/2"	0.34	0.59	0.06	3.02
60CSP-10	18031	5/8"	0.45	0.72	0.04	6.57

CSP

CAP



61CC
61CX
00081

MAF #	REF #	SIZE	A	HEX	APPROX. WT. LBS.	LIST
61CC-2		1/8"				4.69
61CC-3		3/16"				4.75
61CC-4	18047	1/4"	0.44	0.50	0.02	1.48
61CC-6	18048	3/8"	0.40	0.62	0.04	1.75
61CC-8	18049	1/2"	0.48	0.75	0.06	3.88
61CC-10	18050	5/8"	0.56	0.94	0.10	6.58
61CC-12		3/4"				10.93

61-CC **N5CT**

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

COMPRESSION

BRASS FITTINGS

MADE IN THE USA

BULKHEAD UNIONS

SAE# 060101



62BH
00083

MAF #	REF #	SIZE	A	HEX 1	HEX 2	APPROX. WT. LBS.	LIST
62BH-3		3/16"					11.47
62BH-4	18088	1/4"	1.58	0.56	0.56	0.10	9.19
62BH-5		5/16"					27.68
62BH-6	18090	3/8"	1.76	0.68	0.68	0.14	25.36
62BH-8	18093	1/2"	2.01	1.000	0.94	0.32	37.54
62BH-10		5/8"					48.39

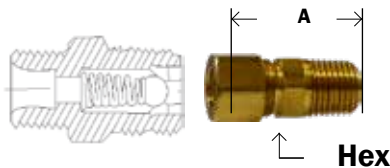
62BH 75 274

BULKHEAD LOCKNUT



MAF #	SIZE	LIST
61LN-2	1/8"	6.76
61LN-3	3/16"	7.53
61LN-4	1/4"	6.05
61LN-5	5/16"	7.53
61LN-6	3/8"	6.70
61LN-8	1/2"	30.01
61LN-10	5/8"	13.48

BALL CHECK VALVE - MIN. WORKING PRESSURE 3 PSI.

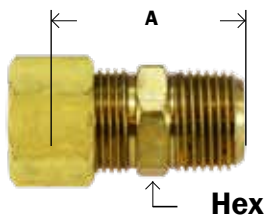


63
00063

MAF #	REF #	TUBE OD X MALE NPTF	A	HEX	APPROX. WT. LBS.	LIST
63-22	18092	1/8" x 1/8"	0.78	0.44	0.04	12.41
63-32		3/16" x 1/8"				20.92
63-42	18094	1/4" x 1/8"	0.88	0.44	0.04	13.01
63-52		5/16" x 1/8"				23.85
63-64	18096	3/8" x 1/4"	1.16	0.56	0.08	17.19

63 263 63A

TANK ADAPTER DRILLED THRU (NO STOP)



68T
00088

MAF #	REF #	COMP. X MALE NPTF	A	HEX	APPROX. WT. LBS.	LIST
68T-22		1/8" x 1/8"				4.33
68T-32		3/16" x 1/8"				4.13
68T-34		3/16" x 1/4"				6.76
68T-42	18208	1/4" x 1/8"	0.88	0.43	0.04	3.57
68T-44	18209	1/4" x 1/4"	0.99	0.56	0.05	3.79
68T-46		1/4" x 3/8"				5.99
68T-48		1/4" x 1/2"				7.60
68T-54		5/16" x 1/4"				7.67
68T-56		5/16" x 3/8"				7.51
68T-64	18210	3/8" x 1/4"	1.16	0.56	0.05	4.99
68T-66	18211	3/8" x 3/8"	1.09	0.68	0.08	4.54
68T-68	18212	3/8" x 1/2"	1.19	0.87	0.10	6.64
68T-76		7/16" x 3/8"				10.85
68T-86	18213	1/2" x 3/8"	1.22	0.68	0.12	8.96
68T-88	18214	1/2" x 1/2"	1.09	0.81	0.14	7.25
68T-108	18215	5/8" x 1/2"	1.12	0.81	0.18	8.55
68T-1012		5/8" x 3/4"				9.80
68T-1212		3/4" x 3/4"				17.60
68T-1416		7/8" x 1"				28.22

68-T 682C 80F