

COMPRESSION FITTINGS



These are NOT Lead Free

See pages 161-169 for Lead Free products



• Steel and SS Compression Fittings on pages 441-443

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"

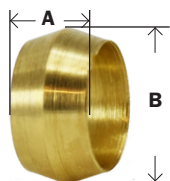
• "L" at the end of a Part# means **Light Pattern** - These fittings are completely interchangeable with full pattern fittings, but have been modified in some way. This modification is usually in the length of the pipe threads. Used in plumbing and light industrial applications.

Actual Profile of Compression Threads

5/16"-24	3/8"-24	7/16"-24	1/2"-24	9/16"-24	11/16"-20	13/16"-18	1"-18	1-1/8"-18 75 PSI
1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"

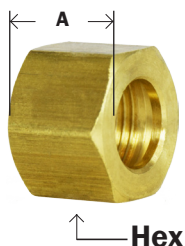
COMPRESSION**BRASS FITTINGS****BRASS SLEEVE**

• FERRULES

SAE# 060115

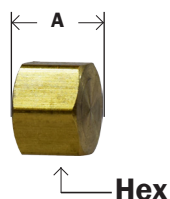
Part #	Size	A	B	Approx. Wt. Lbs.	List Price
18-001	1/8"	0.19	0.19	0.01	----
18-002	3/16"	0.22	0.27	0.01	----
18-003	1/4"	0.25	0.34	0.01	----
18-004	5/16"	0.25	0.41	0.01	----
18-005	3/8"	0.25	0.47	0.02	----
18-006	7/16"	0.31	0.53	0.02	----
18-007	1/2"	0.38	0.59	0.02	----
18-008	5/8"	0.38	0.71	0.03	----
18-009	3/4"	0.44	0.87	0.03	----
18-010	7/8"	0.41	0.99	0.03	----

60 260

BRASS NUT**SAE# 060110**

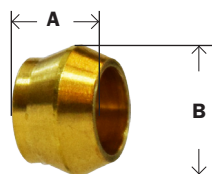
Part #	Size	Thread	A	Hex	Approx. Wt. Lbs.	List Price
18-033	1/8"	5/16-24	0.38	0.37	0.01	----
18-034	3/16"	3/8-24	0.41	0.43	0.01	----
18-035L	1/4"	7/16-24	0.44	0.50	0.02	----
18-035	1/4"	7/16-24	0.44	0.50	0.02	----
18-036	5/16"	1/2-24	0.44	0.56	0.02	----
18-037L	3/8"	9/16-24	0.47	0.62	0.04	----
18-037	3/8"	9/16-24	0.47	0.62	0.04	----
18-038	7/16"	5/8-24	0.50	0.68	0.04	----
18-039L	1/2"	11/16-20	0.56	0.75	0.04	----
18-039	1/2"	11/16-20	0.62	0.81	0.04	----
18-040L	5/8"	13/16-18	0.56	0.87	0.06	----
18-040	5/8"	13/16-18	0.62	0.94	0.06	----
18-041	3/4"	1-18	0.68	1.12	0.08	----
18-042	7/8"	1-1/8 - 18	0.62	1.25	0.10	----

61 261

CAP

Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
18-047	1/4"	0.44	0.50	0.02	----
18-048	3/8"	0.40	0.62	0.04	----
18-049	1/2"	0.48	0.75	0.06	----
18-050	5/8"	0.56	0.94	0.10	----

61-CC N5CT

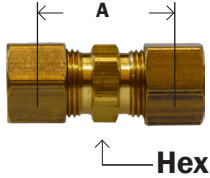
COMPRESSION PLUG

Part #	Size	A	B	Approx. Wt. Lbs.	List Price
18-029	3/8"	0.31	0.47	0.04	----
18-030	1/2"	0.34	0.59	0.06	----

CSP

UNION

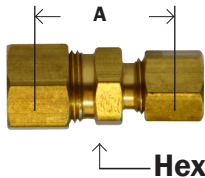
SAE# 060101BA



Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
18-062	1/8"	0.64	0.31	0.03	----
18-063	3/16"	0.75	0.37	0.04	----
18-064L	1/4"	0.79	0.43	0.06	----
18-064	1/4"	0.81	0.43	0.06	----
18-065	5/16"	0.88	0.50	0.06	----
18-066L	3/8"	0.96	0.56	0.09	----
18-066	3/8"	0.98	0.56	0.10	----
18-067	7/16"	1.02	0.62	0.12	----
18-068L	1/2"	1.06	0.68	0.16	----
18-068	1/2"	1.25	0.68	0.16	----
18-069L	5/8"	1.43	0.81	0.24	----
18-069	5/8"	1.25	0.81	0.26	----
18-070	3/4"	1.41	1.00	0.35	----
18-071L	7/8"	1.03	1.12	0.34	----
18-071	7/8"	1.00	1.12	0.36	----

M-62

REDUCING UNION

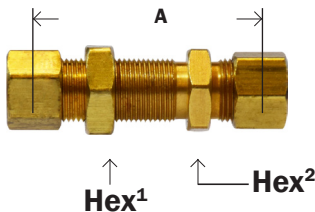


Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
18-076	1/4" x 1/8"	0.73	0.44	0.04	----
18-077	1/4" x 3/16"	0.78	0.44	0.06	----
18-078	5/16" x 1/4"	0.81	0.50	0.06	----
18-079	3/8" x 1/4"	0.90	0.56	0.10	----
18-080	3/8" x 5/16"	0.94	0.56	0.10	----
18-081	1/2" x 3/8"	1.03	0.68	0.12	----
18-082	5/8" x 3/8"	1.03	0.81	0.15	----
18-083	5/8" x 1/2"	1.10	0.81	0.15	----
18-084	7/8" x 5/8"	1.23	1.18	0.20	----

62-R

BULKHEAD UNIONS

SAE# 060101



Part #	Size	A	Hex 1	Hex 2	Approx. Wt. Lbs.	List Price
18-088	1/4"	1.58	0.56	0.56	0.10	----
18-090	3/8"	1.76	0.68	0.68	0.14	----

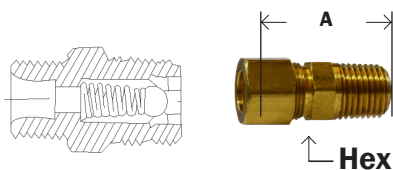
62BH 75 274

BULKHEAD NUTS



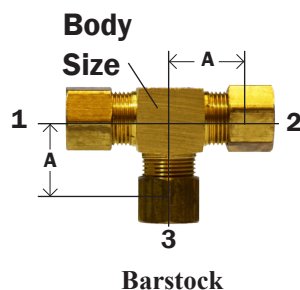
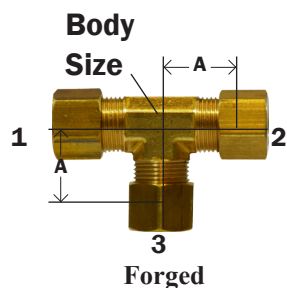
Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
18-097	1/4"	0.25	0.56	0.02	----
18-099	3/8"	0.25	0.68	0.04	----
18-100	1/2"	0.38	0.94	0.06	----

20102

COMPRESSION**BRASS FITTINGS****BALL CHECK VALVE - Min. Working pressure 3 psi.**

Part #	Tube OD x Male NPTF	A	Hex	Approx. Wt. Lbs.	List Price
18-092	1/8" x 1/8"	0.78	0.44	0.04	----
18-094	1/4" x 1/8"	0.88	0.44	0.04	----
18-096	3/8" x 1/4"	1.16	0.56	0.08	----

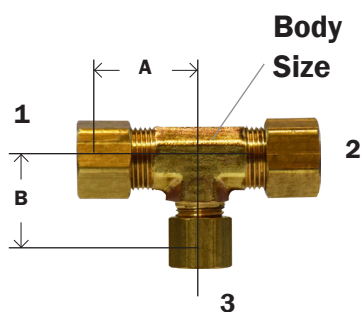
63 263 63A

TEE**SAE# 060401**

Part #	Size	A	Body Size	Approx. Wt. Lbs.	List Price
18-101	1/8"	0.61	0.37	0.04	----
18-101B*	1/8"	0.62	0.33	0.04	----
18-102	3/16"	0.59	0.36	0.08	----
18-102B*	3/16"	0.60	0.38	0.08	----
18-103	1/4"	0.63	0.36	0.10	----
18-103B*	1/4"	0.62	0.49	0.10	----
18-104	5/16"	0.72	0.50	0.13	----
18-104B*	5/16"	0.60	0.50	0.14	----
18-105	3/8"	0.75	0.50	0.16	----
18-105B*	3/8"	0.73	0.59	0.16	----
18-106	1/2"	0.94	0.59	0.22	----
18-106B*	1/2"	0.94	0.69	0.24	----
18-107	5/8"	1.06	0.69	0.28	----
18-108	3/4"	1.22	0.88	0.32	----
18-109	7/8"	1.25	0.94	0.34	----

* Barstock

64 264C

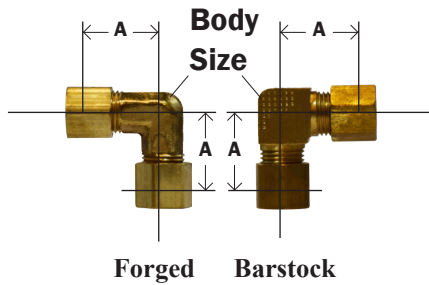
FORGED REDUCING TEE

Part #	Size 1 x 2 x 3	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-114	1/4" x 1/4" x 1/8"	0.62	0.59	0.38	0.09	----
18-110	1/4" x 1/4" x 3/8"	0.69	0.75	0.50	0.14	----
18-111	3/8" x 1/4" x 1/4"	0.75	0.69	0.50	0.12	----
18-115	3/8" x 3/8" x 1/4"	0.75	0.69	0.50	0.14	----
18-116	1/2" x 1/2" x 1/4"	0.94	0.81	0.59	0.16	----
18-117	1/2" x 1/2" x 3/8"	0.94	0.81	0.59	0.24	----
18-118	5/8" x 5/8" x 3/8"	1.06	0.94	0.69	0.28	----
18-119	5/8" x 5/8" x 1/2"	1.06	1.06	0.69	0.30	----

64-R

UNION ELBOW

SAE# 060201



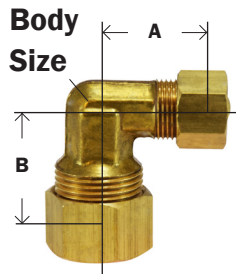
Forged
Barstock

Part #	Size	A	Body Size	Approx. Wt. Lbs.	List Price
18-122B*	1/8"	0.62	0.35	0.04	----
18-123	3/16"	0.61	0.37	0.06	----
18-123B*	3/16"	0.62	0.41	0.06	----
18-124	1/4"	0.66	0.38	0.08	----
18-124B*	1/4"	0.60	0.48	0.08	----
18-125	5/16"	0.69	0.47	0.09	----
18-125B*	5/16"	0.62	0.52	0.09	----
18-126	3/8"	0.72	0.43	0.12	----
18-127	1/2"	0.94	0.59	0.19	----
18-127B*	1/2"	0.94	0.71	0.19	----
18-128	5/8"	1.06	0.72	0.26	----
18-129	3/4"	1.19	0.94	0.48	----
18-130	7/8"	1.25	0.94	0.44	----

* Barstock

65 BSE2 165C 265C

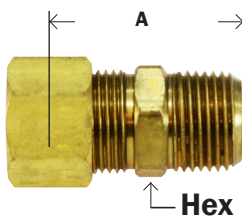
REDUCING ELBOW - Forged



Part #	Size	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-135	3/8" x 1/4"	0.69	0.75	0.47	0.12	----
18-136	1/2" x 3/8"	0.88	0.94	0.59	0.15	----
18-137	5/8" x 3/8"	0.88	0.97	0.56	0.18	----
31-137	3/8" OD x 5/8" OD	Chrome Plated				----

65-R

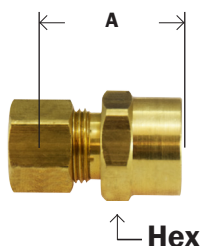
TANK ADAPTER DRILLED THRU (NO STOP)



Part #	Comp. X Male NPTF	A	Hex	Approx. Wt. Lbs.	List Price
18-208	1/4" x 1/8"	0.88	0.43	0.04	----
18-209	1/4" x 1/4"	0.99	0.56	0.05	----
18-210	3/8" x 1/4"	1.16	0.56	0.05	----
18-211	3/8" x 3/8"	1.09	0.68	0.08	----
18-212	3/8" x 1/2"	1.19	0.87	0.10	----
18-213	1/2" x 3/8"	1.22	0.68	0.12	----
18-214	1/2" x 1/2"	1.09	0.81	0.14	----
18-215	5/8" x 1/2"	1.12	0.81	0.18	----

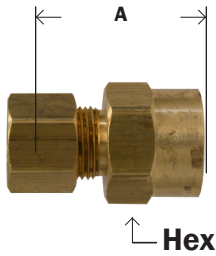
68-T 682C 80F

COMP X SWEAT ADAPTER



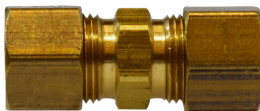
Part #	Comp. X Sweat Adapter	A	Hex	Approx. Wt. Lbs.	List Price
18-171	3/8" x 1/2" nom.swt.	0.98	0.75	0.08	----
31-171	3/8" OD x 1/2" SWT	Chrome Plated			----

66-S

COMPRESSION**BRASS FITTINGS****FEMALE ADAPTER****SAE# 060103**

Part #	Comp. X Female NPTF	A	Hex	Approx. Wt. Lbs.	List Price
18-142	1/8" x 1/8"	0.75	0.56	0.02	----
18-143	3/16" x 1/8"	0.78	0.56	0.04	----
18-144	3/16" x 1/4"	0.96	0.68	0.04	----
18-145L	1/4" x 1/8"	0.84	0.50	0.05	----
18-145	1/4" x 1/8"	0.78	0.56	0.05	----
18-146L	1/4" x 1/4"	0.88	0.62	0.09	----
18-146	1/4" x 1/4"	1.03	0.68	0.09	----
18-148	1/4" x 1/2"	1.02	0.87	0.12	----
18-149	5/16" x 1/8"	0.81	0.56	0.05	----
18-150	5/16" x 1/4"	0.91	0.62	0.06	----
18-152	3/8" x 1/8"	0.88	0.56	0.06	----
18-153L	3/8" x 1/4"	0.97	0.62	0.08	----
18-153	3/8" x 1/4"	1.06	0.68	0.08	----
18-154L	3/8" x 3/8"	1.03	0.75	0.08	----
18-154	3/8" x 3/8"	1.06	0.81	0.10	----
18-155	3/8" x 1/2"	1.12	1.00	0.08	----
18-156	3/8" x 3/4"	1.19	1.16	0.14	----
18-157	1/2" x 1/4"	1.09	0.68	0.10	----
18-158L	1/2" x 3/8"	0.94	0.81	0.12	----
18-158	1/2" x 3/8"	1.12	0.81	0.12	----
18-159L	1/2" x 1/2"	1.19	1.00	0.12	----
18-159	1/2" x 1/2"	1.31	1.00	0.12	----
18-160	1/2" x 3/4"	1.25	1.16	0.18	----
18-162L	5/8" x 1/2"	1.20	0.94	0.18	----
18-162	5/8" x 1/2"	1.38	1.00	0.18	----
18-163	5/8" x 3/4"	1.20	1.12	0.22	----
18-164	3/4" x 1/2"	1.25	1.06	0.26	----
18-165	3/4" x 3/4"	1.28	1.19	0.28	----
18-167	7/8" x 1/2"	1.28	1.19	0.32	----
18-166	7/8" x 3/4"	1.31	1.12	0.34	----

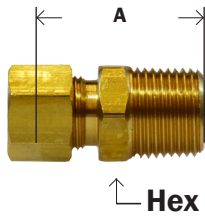
66

DRILLED THRU UNION - NO STOP

Part #	Size	List Price
18-066D	3/8"	----
18-069D	5/8"	----
18-071D	7/8"	----

MALE ADAPTER

SAE# 060102



Part #	Comp. X Male NPTF	A	Hex	Approx. Wt. Lbs.	List Price
18-175	1/8" x 1/16"	0.78	0.37	0.02	----
18-176	1/8" x 1/8"	0.78	0.43	0.04	----
18-177	3/16" x 1/8"	0.84	0.43	0.04	----
18-178	3/16" x 1/4"	0.94	0.56	0.06	----
18-179L	1/4" x 1/8"	0.88	0.56	0.04	----
18-179	1/4" x 1/8"	0.88	0.43	0.04	----
18-180L	1/4" x 1/4"	0.94	0.56	0.05	----
18-180	1/4" x 1/4"	1.06	0.56	0.06	----
18-181	1/4" x 3/8"	1.03	0.68	0.08	----
18-182	1/4" x 1/2"	1.09	0.81	0.10	----
18-183	5/16" x 1/8"	0.91	0.50	0.05	----
18-184L	5/16" x 1/4"	1.01	0.56	0.06	----
18-184	5/16" x 1/4"	1.09	0.56	0.06	----
18-185	5/16" x 3/8"	1.06	0.68	0.07	----
18-186	5/16" x 1/2"	1.14	0.87	0.10	----
18-187L	3/8" x 1/8"	0.94	0.56	0.06	----
18-187	3/8" x 1/8"	0.97	0.56	0.06	----
18-188L	3/8" x 1/4"	1.03	0.56	0.06	----
18-188	3/8" x 1/4"	1.16	0.56	0.07	----
18-189L	3/8" x 3/8"	1.09	0.68	0.08	----
18-189	3/8" x 3/8"	1.14	0.69	0.08	----
18-190L	3/8" x 1/2"	1.19	0.88	0.12	----
18-190	3/8" x 1/2"	1.34	0.87	0.13	----
18-191	3/8" x 3/4"	1.29	1.06	0.16	----
18-192	7/16" x 1/4"	1.06	0.62	0.10	----
18-204	7/16" x 3/8"	1.10	0.68	0.12	----
18-193L	1/2" x 1/4"	1.09	0.69	0.11	----
18-193	1/2" x 1/4"	1.22	0.68	0.11	----
18-194L	1/2" x 3/8"	1.16	0.68	0.12	----
18-194	1/2" x 3/8"	1.16	0.69	0.12	----
18-195L	1/2" x 1/2"	1.09	0.81	0.12	----
18-195	1/2" x 1/2"	1.41	0.87	0.19	----
18-196	1/2" x 3/4"	1.38	1.06	0.22	----
18-197	5/8" x 3/8"	1.22	0.87	0.24	----
18-198	5/8" x 1/2"	1.12	0.81	0.24	----
18-199	5/8" x 3/4"	1.31	1.06	0.26	----
18-200	3/4" x 1/2"	1.44	1.00	0.26	----
18-201	3/4" x 3/4"	1.50	1.06	0.26	----
18-202	7/8" x 1/2"	1.18	1.12	0.26	----
18-203	7/8" x 3/4"	1.22	1.12	0.28	----
18-205	7/8" x 1"	1.67	1.37	0.32	----

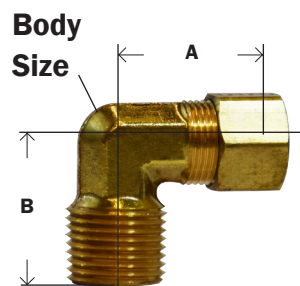
68

COMPRESSION

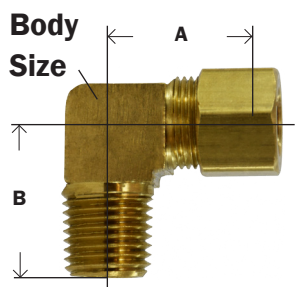
BRASS FITTINGS

MALE ELBOW

SAE# 060202



Forged



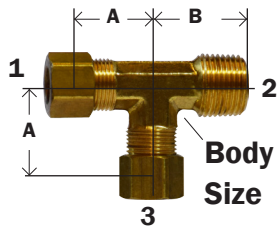
Barstock

Part #	Comp. X Male NPTF	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-220	1/8" x 1/8"	0.59	0.75	0.34	0.02	----
18-220B*	1/8" x 1/8"	0.60	0.67	0.43	0.04	----
18-221	3/16" x 1/8"	0.63	0.72	0.34	0.04	----
18-221B*	3/16" x 1/8"	0.62	0.69	0.43	0.06	----
18-223	3/16" x 1/4"	0.60	0.81	0.39	0.05	----
18-224	1/4" x 1/8"	0.60	0.75	0.37	0.06	----
18-224B*	1/4" x 1/8"	0.62	0.75	0.43	0.06	----
18-225	1/4" x 1/4"	0.65	0.94	0.36	0.08	----
18-225B*	1/4" x 1/4"	0.61	0.81	0.56	0.08	----
18-226	1/4" x 3/8"	0.75	0.91	0.47	0.08	----
18-227	1/4" x 1/2"	0.81	1.13	0.56	0.12	----
18-228	5/16" x 1/8"	0.66	0.75	0.47	0.06	----
18-228B*	5/16" x 1/8"	0.62	0.75	0.42	0.06	----
18-229	5/16" x 1/4"	0.66	0.81	0.47	0.07	----
18-229B*	5/16" x 1/4"	0.69	0.84	0.57	0.08	----
18-230	5/16" x 3/8"	0.75	0.91	0.47	0.10	----
18-231	5/16" x 1/2"	0.84	1.12	0.56	0.12	----
18-232	3/8" x 1/8"	0.72	0.66	0.39	0.06	----
18-232B*	3/8" x 1/8"	0.69	0.69	0.57	0.06	----
18-233	3/8" x 1/4"	0.75	0.82	0.46	0.08	----
18-233B*	3/8" x 1/4"	0.75	0.94	0.57	0.08	----
18-234	3/8" x 3/8"	0.81	0.94	0.46	0.10	----
18-234B*	3/8" x 3/8"	0.71	0.83	0.69	0.10	----
18-235	3/8" x 1/2"	0.87	1.12	0.56	0.14	----
18-235B*	3/8" x 1/2"	0.88	1.16	0.94	0.14	----
18-248	3/8" x 3/4"	1.03	1.19	0.81	0.18	----
18-247	7/16" x 1/4"	0.84	1.00	0.56	0.14	----
18-236	1/2" x 1/4"	0.88	0.97	0.56	0.14	----
18-237	1/2" x 3/8"	0.88	1.03	0.56	0.19	----
18-237B*	1/2" x 3/8"	0.94	1.12	0.70	0.19	----
18-238	1/2" x 1/2"	0.94	1.13	0.59	0.17	----
18-238B*	1/2" x 1/2"	0.94	1.31	0.86	0.17	----
18-239	1/2" x 3/4"	1.16	1.25	0.81	0.18	----
18-240	5/8" x 3/8"	1.06	1.12	0.68	0.18	----
18-241	5/8" x 1/2"	1.06	1.16	0.68	0.20	----
18-241B*	5/8" x 1/2"	1.06	1.31	0.86	0.20	----
18-242	5/8" x 3/4"	1.16	1.31	0.81	0.24	----
18-243	3/4" x 1/2"	1.19	1.31	0.94	0.26	----
18-245	3/4" x 3/4"	1.19	1.38	0.94	0.30	----
18-246	7/8" x 3/4"	1.25	1.38	0.94	0.35	----

* Barstock

69 269C BSE1 169C

FORGED MALE RUN TEE

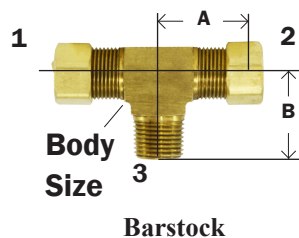
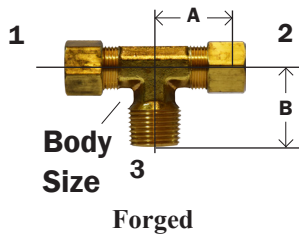


Part #	Comp. X Male NPTF (1&3) X 2	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-272	1/8" x 1/8"	0.63	0.69	0.36	0.06	----
18-273	3/16" x 1/8"	0.63	0.69	0.36	0.07	----
18-274	1/4" x 1/8"	0.63	0.75	0.36	0.08	----
18-275	1/4" x 1/4"	0.69	0.88	0.44	0.10	----
18-276	5/16" x 1/8"	0.72	0.75	0.50	0.10	----
18-277	5/16" x 1/4"	0.75	0.88	0.44	0.10	----
18-278	3/8" x 1/8"	0.75	0.75	0.50	0.14	----
18-279	3/8" x 1/4"	0.79	0.87	0.44	0.18	----
18-280	3/8" x 3/8"	0.88	1.00	0.47	0.20	----
18-281	1/2" x 3/8"	0.94	1.09	0.59	0.24	----
18-282	1/2" x 1/2"	0.97	1.19	0.69	0.26	----
18-283	5/8" x 1/2"	1.06	1.31	0.69	0.28	----
18-284	3/4" x 1/2"	1.22	1.34	0.88	0.30	----

71 171C BST3

MALE BRANCH TEE

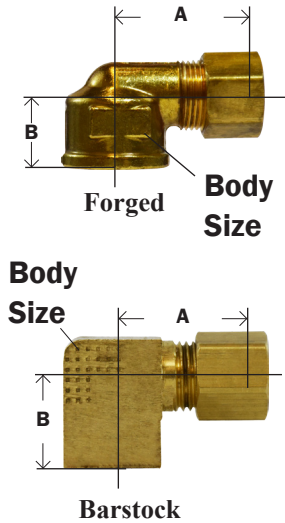
SAE# 060203



Part #	Comp. X Male NPTF (1&2) X 3	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-290	3/16" x 1/8"	0.63	0.69	0.36	0.08	----
18-291	1/4" x 1/8"	0.62	0.75	0.36	0.10	----
18-291B*	1/4" x 1/8"	0.64	0.73	0.45	0.10	----
18-292	1/4" x 1/4"	0.69	0.86	0.44	0.10	----
18-293	5/16" x 1/8"	0.72	0.75	0.50	0.11	----
18-294	5/16" x 1/4"	0.75	0.88	0.44	0.12	----
18-295	3/8" x 1/8"	0.75	0.75	0.50	0.14	----
18-296	3/8" x 1/4"	0.78	0.88	0.44	0.16	----
18-297	3/8" x 3/8"	0.78	0.97	0.47	0.18	----
18-298	3/8" x 1/2"	0.88	1.22	0.69	0.20	----
18-304	1/2" x 1/4"	0.94	0.97	0.59	0.22	----
18-299B*	1/2" x 3/8"	0.96	1.09	0.70	0.24	----
18-299	1/2" x 3/8"	0.94	1.12	0.59	0.24	----
18-300	1/2" x 1/2"	0.97	1.19	0.69	0.30	----
18-301	5/8" x 1/2"	1.06	1.31	0.69	0.32	----
18-302	3/4" x 1/2"	1.22	1.34	0.88	0.50	----
18-303	3/4" x 3/4"	1.25	1.50	0.88	0.54	----

* Barstock

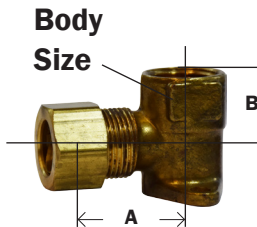
72 BST1 172C

COMPRESSION**BRASS FITTINGS****FEMALE ELBOW****SAE# 060203**

Part #	Comp. X Female NPTF	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-251	1/8" x 1/8"	0.69	0.56	0.56	0.04	----
18-252	3/16" x 1/8"	0.69	0.47	0.56	0.04	----
18-253	1/4" x 1/8"	0.69	0.47	0.56	0.06	----
18-253B*	1/4" x 1/8"	0.69	0.56	0.56	0.06	----
18-254	1/4" x 1/4"	0.75	0.50	0.72	0.08	----
18-267	1/4" x 3/8"	0.81	0.58	0.81	0.08	----
18-268	1/4" x 1/2"	0.89	0.66	1.00	0.10	----
18-255	5/16" x 1/8"	0.72	0.84	0.47	0.08	----
18-256	5/16" x 1/4"	0.78	0.50	0.72	0.09	----
18-257	3/8" x 1/8"	0.75	0.84	0.47	0.10	----
18-258	3/8" x 1/4"	0.84	0.59	0.75	0.10	----
18-259	3/8" x 3/8"	0.88	0.58	0.81	0.12	----
18-260	3/8" x 1/2"	0.97	0.66	1.00	0.14	----
18-250	3/8" x 3/4"	1.09	0.72	1.25	0.18	----
18-261	1/2" x 1/4"	1.06	0.70	0.88	0.18	----
18-262	1/2" x 3/8"	1.00	0.70	0.88	0.16	----
18-263	1/2" x 1/2"	1.03	0.72	1.00	0.20	----
18-270	1/2" x 3/4"	1.16	0.72	1.25	0.23	----
18-269	5/8" x 3/8"	1.09	0.77	1.00	0.20	----
18-264	5/8" x 1/2"	1.09	0.77	1.00	0.22	----
18-265	5/8" x 3/4"	1.22	0.77	1.25	0.24	----
18-266	3/4" x 1/2"	1.25	1.25	0.94	0.28	----

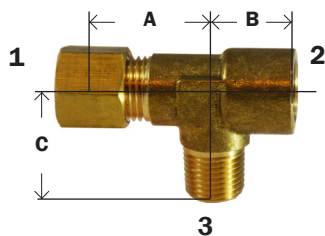
* Barstock

70 270C BSE3 170C

FORGED DROP-EAR ELBOW

Part #	Comp. X Female NPTF	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-271	5/8" x 1/2"	1.18	0.72	1.00	0.18	----

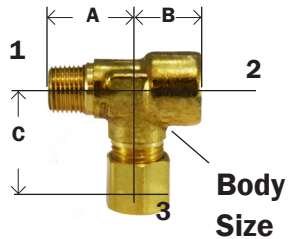
BSE3-DE

FORGED TEE

Part #	Comp. X Female NPTF x Male NPTF 1x(2&3)	A	B	C	Approx. Wt. Lbs.	List Price
18-307	1/4" x 1/8"	0.72	0.53	0.72	0.20	----

71 171C BST3

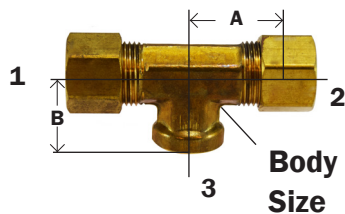
ADAPTER TEE



Part #	Male NPTF x Female NPTF x Comp. 3x (1&2)	A	B	C	Body Size	Approx. Wt. Lbs.	List Price
18-314	1/8" x 1/4"	0.72	0.53	0.72	0.47	0.08	----
18-316	3/8" x 1/4"	0.84	0.97	0.81	0.47	0.10	----

76 176C

FEMALE BRANCH FORGED TEE

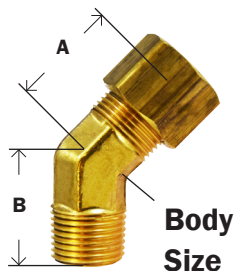


Part #	Comp. X Female NPTF (1&2)x3	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-321	1/4" x 1/8"	0.78	0.75	0.45	0.10	----
18-328	1/4" x 1/4"	0.78	0.75	0.44	0.12	----
18-325	3/8" x 1/8"	0.75	0.63	0.50	0.12	----
18-322	3/8" x 1/4"	0.81	0.97	0.47	0.14	----
18-323	3/8" x 3/8"	0.97	0.69	1.05	0.16	----
18-326	1/2" x 1/8"	0.94	0.75	0.59	0.20	----
18-324	1/2" x 3/8"	1.00	0.72	0.88	0.22	----
18-327	5/8" x 1/8"	1.06	0.81	0.69	0.26	----

78 BST4 77 177C 2908

45° ELBOW

SAE# 060302

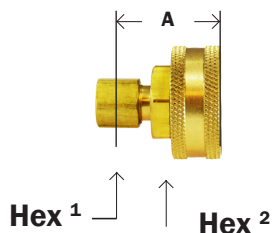


Part #	Comp. X Male NPTF	A	B	Body Size	Approx. Wt. Lbs.	List Price
18-329	3/16" x 1/8"	0.40	0.63	0.41	0.04	----
18-330	1/4" x 1/8"	0.40	0.61	0.41	0.04	----
18-336	1/4" x 1/4"	0.59	0.84	0.53	0.06	----
18-331	5/16" x 1/8"	0.59	0.65	0.53	0.06	----
18-332	5/16" x 1/4"	0.59	0.83	0.53	0.08	----
18-333	3/8" x 1/4"	0.62	0.83	0.53	0.08	----
18-338	3/8" x 3/8"	0.75	0.95	0.59	0.10	----
18-334	1/2" x 3/8"	0.75	0.88	0.59	0.14	----
18-339	1/2" x 1/2"	0.94	1.14	0.75	0.14	----
18-335	5/8" x 1/2"	0.78	1.14	0.78	0.14	----

6945 45BSE1 74 179C 273 77

GARDEN HOSE SWIVEL

•WASHER INCLUDED



Part #	Compression x FGH	A	Hex 1	Hex 2	Approx. Wt. Lbs.	List Price
30-050	1/4" x 3/4"	1.02	0.50	0.75	0.09	----
30-051	3/8" x 3/4"	1.04	0.62	0.75	0.12	----

COMPRESSION

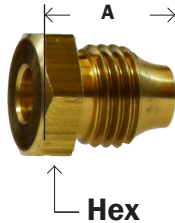
BRASS FITTINGS

DOUBLE COMPRESSION THREADED SLEEVE FITTINGS

- Use with aluminum and copper tubing or plastic tubing with internal tube support. Not recommended for steel tubing.
- Easy to assemble, no flaring, two piece construction.
- For use on oil, air, water and grease lubrication systems.
- When design makes a dimension critical, contact us for information.

Tube OD	1/8	3/16	1/4	5/16	3/8
Thread	5/16-24	3/8-24	7/16-24	1/2-20	9/16-20
Working Pressure	500	500	500	250	250

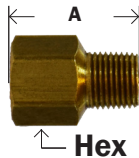
NUT



Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
16-001	1/8"	0.50	0.37	0.02	----
16-002	3/16"	0.53	0.43	0.02	----
16-003	1/4"	0.56	0.50	0.04	----
16-004	5/16"	0.61	0.56	0.04	----
16-005	3/8"	0.61	0.62	0.04	----

181 6100 11

MALE ADAPTER

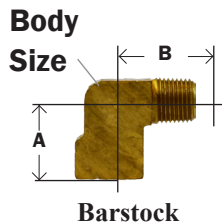


Part #	THRD Sleeve x Male NPTF	A	Hex	Approx. Wt. Lbs.	List Price
16-117	1/8" x *	0.62	0.43	0.02	----
16-118	1/8" x 1/8"	0.62	0.43	0.02	----
16-119	3/16" x 1/8"	0.69	0.43	0.02	----
16-121	1/4" x 1/8"	0.75	0.50	0.04	----
16-122	5/16" x 1/8"	0.89	0.56	0.04	----
16-123	3/8" x 1/4"	0.84	0.62	0.06	----

* 1/4 - 28 Male Thread Tapered.

188 6200 12

90° ELBOW



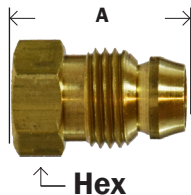
Barstock

Part #	THRD Sleeve x Male NPTF	A	B	Body Size	Approx. Wt. Lbs.	List Price
16-127	1/8" x *	0.50	0.52	0.41	0.02	----
16-128	1/8" x 1/8"	0.50	0.66	0.43	0.02	----
16-129	3/16" x 1/8"	0.56	0.62	0.44	0.02	----
16-130	1/4" x 1/8"	0.52	0.62	0.50	0.04	----

* 1/4 - 28 Male Thread Tapered

189 6400 15

BREAK-AWAY NUT



- 1-Piece Fiting

Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
16-090	3/16"	0.57	0.37	0.02	----
16-010	1/4"	0.62	0.43	0.02	----

* Threaded sleeve fittings on page 85.

181-BA 21604 99LB 81LB

BRASS SPLIT SLEEVE D.O.T. FITTINGS (5/32 O.D.)

TRANSMISSION BRASS FITTINGS

APPLICATIONS: Used with SAE J844 Type A nylon tube in pressure protected air transmission applications.

TECHNICAL DATA: Maximum working pressure up to 150 PSI. Fittings will withstand variations from -40°F to +220°F (-40°C to + 104°C)

Ideally suited for use in passive protected air transmission applications. A specially designed slotted sleeve helps eliminate notch stress related to over torque.

COLLET



Part #	Tube O.D.	List Price
38-711	5/32"	----
25-001	1/8"	----

1460 90791 280 90946

NUT



Part #	Tube O.D.	List Price
38-732	5/32"	----
25-033	1/8"	----

1461 90790 281 90885

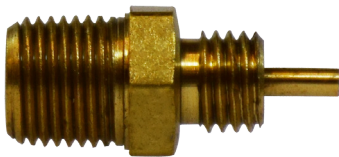
DOUBLE END UNION



Part #	Tube O.D.	List Price
38-761	5/32"	----
25-062	1/8"	----

1462 90792 283 90891

CONNECTOR WITH NUT AND SLEEVE



Part #	Tube O.D.	Pipe Thread	List Price
38-769	5/32"	1/16"	----
38-770	5/32"	1/8"	----
25-175	1/8"	1/16"	----
25-176	1/8"	1/8"	----

• Shipped with nut and split sleeve, picture shows insert

1468 90794 282 90985

ELBOW



Part #	Tube O.D.	Pipe Thread	List Price
38-718	5/32"	1/8"	----
25-220	1/8"	1/8"	----

SPECIAL COMPRESSION ASSEMBLIES**BRASS FITTINGS**

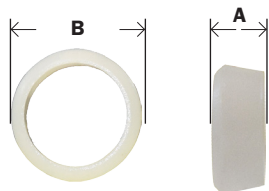
To purchase special compression assemblies, delete the 18 prefix on part# and add the prefix of the type of special assembly you desire. Pricing and availability upon request.

22 - Plastic sleeve (inserts should be ordered separately)

24 - Long nut compression

26 - Captive sleeve (parts listed on following pages)

27 - Self align sleeve (parts listed on following pages)

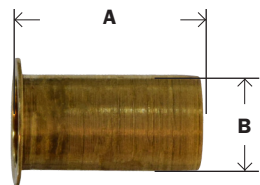
DELTRIN SLEEVE

Part #	Size	A	B	Approx. Wt. Lbs.	List Price
18-015	1/4"	0.19	0.37	0.01	----
18-016	5/16"	0.19	0.43	0.01	----
18-017	3/8"	0.19	0.50	0.02	----
18-018	1/2"	0.25	0.63	0.02	----
18-019	5/8"	0.22	0.74	0.02	----

60-P

BRASS INSERT

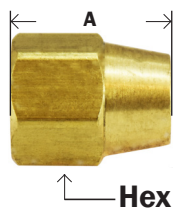
• SLEEVE



Part #	Size	A	B	Approx. Wt. Lbs.	Wall	List Price
22-008	1/8"	0.46	0.080	0.01	.016	----
22-009	3/16"	0.45	0.135	0.01	.025	----
22-009A	3/16"	0.52	0.095	0.01	.040	----
22-010	1/4"	0.50	0.163	0.02	.04	----
22-010A	1/4"	0.59	0.125	0.02	.04	----
22-010B	1/4"	0.53	0.172	0.02	.03	----
22-011A	5/16"	0.50	0.232	0.02	.04	----
22-011	5/16"	0.53	0.187	0.02	.062	----
22-012	3/8"	0.56	0.250	0.03	.062	----
22-013	1/2"	0.72	0.370	0.03	.062	----
22-014	5/8"	0.72	0.483	0.03	.062	----
22-015	3/4"	1.03	0.563	0.03		----

See lead free insert on page 167

63-BI 60AE 2030 63PT

LONG NUT COMPRESSION - Can be assembled on any compression fitting**NEW****NEW**

Part #	Size	A	Hex	Approx. Wt. Lbs.	List Price
10-013	1/8"	0.50	0.37	0.01	----
24-002	3/16"	0.62	0.43	0.01	----
24-003	1/4"	0.75	0.50	0.02	----
24-004	5/16"	0.84	0.56	0.02	----
24-005	3/8"	0.97	0.62	0.04	----
24-006	1/2"	1.06	0.81	0.06	----
24-007	5/8"	1.19	0.94	0.11	----
24-008	3/4"	1.50	1.25	0.14	----

161

BRASS FITTINGS

CAPTIVE SLEEVE COMPRESSION

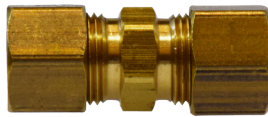
CAPTIVE SLEEVE NUT



Part #	Size	List Price
26-001	1/8"	----
26-002	3/16"	----
26-003	1/4"	----
26-004	5/16"	----
26-005	3/8"	----
26-007	1/2"	----
26-008	5/8"	----
NEW 26-015	3/4"	----
NEW 26-016	7/8"	----
NEW 26-009	1"	----

CS61 61CA

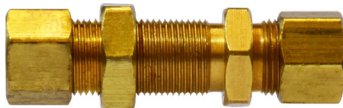
UNION



Part #	Size	List Price
26-062	1/8"	----
26-063	3/16"	----
26-064	1/4"	----
26-077	1/4" x 3/16"	----
26-065	5/16"	----
26-066	3/8"	----
26-079	3/8" x 1/4"	----
26-068	1/2"	----
26-069	5/8"	----
26-082	5/8" x 3/8"	----

CS62 62CA

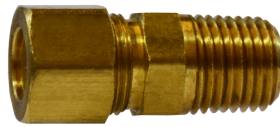
BULKHEAD UNIONS



Part #	Size	List Price
26-088	1/4"	----
26-090	3/8"	----

C262L 62CABA

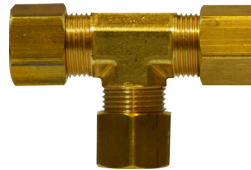
BALL CHECK VALVE



Part #	Tube OD x Male NPTF	List Price
26-092	1/8" x 1/8"	----

CS863

TEE



Part #	Size	List Price
26-101	1/8"	----
26-102	3/16"	----
26-103	1/4"	----
26-104	5/16"	----
26-105	3/8"	----
26-115	3/8"x3/8"x1/4"	----
26-106	1/2"	----
26-107	5/8"	----

CS64 164CA

UNION ELBOW



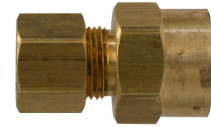
Part #	Size	List Price
26-123	3/16"	----
26-124	1/4"	----
26-125	5/16"	----
26-126	3/8"	----
26-127	1/2"	----
26-128	5/8"	----

CS65 165CA

Interchangeable with compress-align fittings.

These are NOT Lead Free
Lead Free products
available upon request

FEMALE ADAPTER



Part #	Comp. X Female NPTF	List Price
26-142	1/8" x 1/8"	----
26-143	3/16" x 1/8"	----
26-144	3/16" x 1/4"	----
26-145	1/4" x 1/8"	----
26-146	1/4" x 1/4"	----
26-149	5/16" x 1/8"	----
26-150	5/16" x 1/4"	----
26-152	3/8" x 1/8"	----
26-153	3/8" x 1/4"	----
26-154	3/8" x 3/8"	----
26-155	3/8" x 1/2"	----
26-156	3/8" x 3/4"	----
26-157	1/2" x 1/4"	----
26-158	1/2" x 3/8"	----
26-159	1/2" x 1/2"	----

CS66 66CA

MALE ADAPTER



Part #	Comp. X Male NPTF	List Price
26-175	1/8" x 1/16"	----
26-176	1/8" x 1/8"	----
26-177	3/16" x 1/8"	----
26-178	3/16" x 1/4"	----
26-179	1/4" x 1/8"	----
26-180	1/4" x 1/4"	----
26-180L	1/4" x 1/4"	----
26-181	1/4" x 3/8"	----
26-182	1/4" x 1/2"	----
26-183	5/16" x 1/8"	----
26-184	5/16" x 1/4"	----
26-187	3/8" x 1/8"	----
26-188	3/8" x 1/4"	----
26-189	3/8" x 3/8"	----
26-190	3/8" x 1/2"	----
26-193	1/2" x 1/4"	----
26-194	1/2" x 3/8"	----
26-195	1/2" x 1/2"	----
26-196	1/2" x 3/4"	----
26-197	5/8" x 3/8"	----
26-198	5/8" x 1/2"	----

CS68 68CA

CAPTIVE SLEEVE COMPRESSION

MALE ELBOW



Part #	Comp. X Male NPTF	List Price
26-220	1/8" x 1/8"	----
26-220B	1/8" x 1/8"	----
26-221	3/16" x 1/8"	----
26-221B	3/16" x 1/8"	----
26-223	3/16" x 1/4"	----
26-224B	1/4" x 1/8"	----
26-224	1/4" x 1/8"	----
26-225	1/4" x 1/4"	----
26-225B	1/4" x 1/4"	----
26-226	1/4" x 3/8"	----
26-228	5/16" x 1/8"	----
26-229	5/16" x 1/4"	----
26-230	5/16" x 3/8"	----
26-232	3/8" x 1/8"	----
26-233	3/8" x 1/4"	----
26-233B	3/8" x 1/4"	----
26-234	3/8" x 3/8"	----
26-235	3/8" x 1/2"	----
26-236	1/2" x 1/4"	----
26-237	1/2" x 3/8"	----
26-238	1/2" x 1/2"	----
26-240	5/8" x 3/8"	----
26-241	5/8" x 1/2"	----

CS69 169CA

FEMALE ELBOW



Part #	Comp. X Female NPTF	List Price
26-251	1/8" x 1/8"	----
26-252	3/16" x 1/8"	----
26-253	1/4" x 1/8"	----
26-254	1/4" x 1/4"	----
26-258	3/8" x 1/4"	----
26-262	1/2" x 3/8"	----
26-270	1/2" x 3/4"	----
26-269	5/8" x 3/8"	----

CS70 170CA

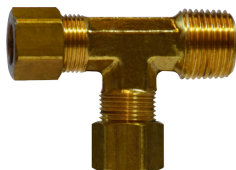
MALE BRANCH TEE



Part #	Comp. X Male NPTF (1&2) X 3	List Price
26-291	1/4" x 1/8"	----
26-292	1/4" x 1/4"	----
26-293	5/16" x 1/8"	----
26-294	5/16" x 1/4"	----
26-295	3/8" x 1/8"	----
26-296	3/8" x 1/4"	----
26-297	3/8" x 3/8"	----
26-299	1/2" x 3/8"	----

CS72 172CA

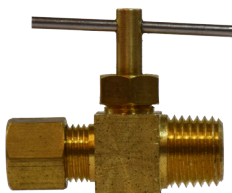
FORGED MALE RUN TEE



Part #	Comp. X Male NPTF (1&3) X 2	List Price
26-272	1/8" x 1/8"	----
26-274	1/4" x 1/8"	----
26-275	1/4" x 1/4"	----
26-279	3/8" x 1/4"	----
26-280	3/8" x 3/8"	----
26-281	1/2" x 3/8"	----

CS71 171CA

CAPTIVE SLEEVE x MALE PIPE NEEDLE VALVE

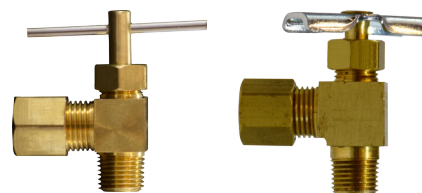


Part #	Comp X Male Pipe	List Price
26-031	3/16" x 1/8"	----
26-032X*	1/4" x 1/8"	----

* Heavy Pattern

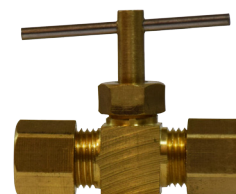
BRASS FITTINGS

CAPTIVE SLEEVE x MALE PIPE ANGLE NEEDLE VALVE



Part #	Comp X Male Pipe	List Price
26-010	3/16" x 1/8"	----
26-011	1/4" x 1/8"	----
26-011X	Heavy Pattern	----
26-012	1/4" x 1/4"	----
26-013	5/16" x 1/8"	----
26-014	5/16" x 1/4"	----

CAPTIVE SLEEVE x CAPTIVE SLEEVE NEEDLE VALVE



Part #	Comp X Comp	List Price
26-020	3/16"	----
26-021	1/4"	----
26-022	5/16"	----
26-023	3/8"	----

- More sizes available
- Lead Free - add LF to part #
- Tube inserts - page 96 & 167

BRASS FITTINGS

- Use with copper, brass, aluminum and plastic tubing. Soft plastic tubing requires support inside. Not recommended for steel tubing.
- Application: water, air and lubrication system

SELF-ALIGN SLEEVE



Part #	Size	List Price
27-001	1/8"	----
27-002	3/16"	----
27-003	1/4"	----

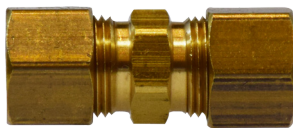
860 601



Part #	Size	List Price
27-005	3/8"	----
27-006	1/2"	----

860

UNION



Part #	Size	List Price
27-062	1/8"	----
27-063	3/16"	----
27-064	1/4"	----
27-066	3/8"	----
27-068	1/2"	----
27-081	1/2" x 3/8"	----

862 621

BALL CHECK VALVE



Part #	Tube OD x Male NPTF	List Price
27-092	1/8" x 1/8"	----
27-094	1/4" x 1/8"	----
27-096	3/8" x 1/4"	----

863 631

TEE



Part #	Size	List Price
27-102	3/16"	----
27-103	1/4"	----
27-105	3/8"	----
27-115	3/8"x3/8"x1/4"	----
27-116	1/2"x1/2"x1/4"	----
27-117	1/2"x1/2"x3/8"	----

864 641

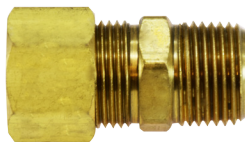
UNION ELBOW



Part #	Size	List Price
27-126	3/8"	----
27-127	1/2"	----

865 651

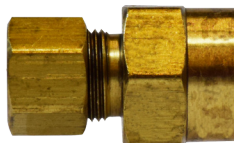
TANK ADAPTER DRILLER THRU (NO STOP)



Part #	Size	List Price
27-208	1/4"x1/8"	----
27-209	1/4"x1/4"	----
27-211	3/8"x3/8"	----
27-213	1/2"x3/8"	----

863 631

FEMALE ADAPTER

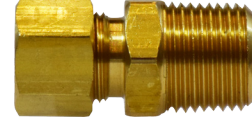


Part #	Comp. X Female NPTF	List Price
27-142	1/8" x 1/8"	----
27-145	1/4" x 1/8"	----
27-147	1/4" x 3/8"	----
27-148	1/4" x 1/2"	----
27-153	3/8" x 1/4"	----
27-158	1/2" x 3/8"	----

866 661

SELF-ALIGN COMPRESSION

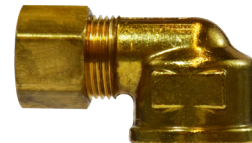
MALE ADAPTER



Part #	Comp. X Male NPTF	List Price
27-175	1/8" x 1/16"	----
27-176	1/8" x 1/8"	----
27-177	3/16" x 1/8"	----
27-179	1/4" x 1/8"	----
27-180	1/4" x 1/4"	----
27-187	3/8" x 1/8"	----
27-188	3/8" x 1/4"	----
27-189	3/8" x 3/8"	----
27-190	3/8" x 1/2"	----
27-193	1/2" x 1/4"	----
27-194	1/2" x 3/8"	----
27-195	1/2" x 1/2"	----
27-196	1/2" x 3/4"	----

868 681

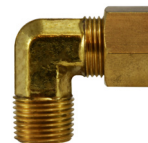
FEMALE ELBOW



Part #	Comp. X Female NPTF	List Price
27-253	1/4" x 1/8"	----
27-254	1/4" x 1/4"	----
27-258	3/8" x 1/4"	----
27-262	1/2" x 3/8"	----
27-263	1/2" x 1/2"	----

870 201

MALE ELBOW



Part #	Comp. X Male NPTF	List Price
27-220	1/8" x 1/8"	----
27-221	3/16" x 1/8"	----
27-224	1/4" x 1/8"	----
27-225	1/4" x 1/4"	----
27-226	1/4" x 3/8"	----
27-232	3/8" x 1/8"	----
27-233	3/8" x 1/4"	----
27-234	3/8" x 3/8"	----
27-235	3/8" x 1/2"	----
27-236	1/2" x 1/4"	----
27-237	1/2" x 3/8"	----
27-238	1/2" x 1/2"	----
27-239	1/2" x 3/4"	----

869 691