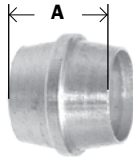


SLEEVE

SAE# 100115

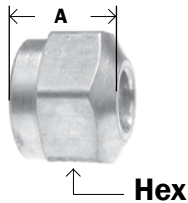


60NAB
60NTA
1460

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
38-001	1/4"	0.30	0.01	
38-002	3/8"	0.39	0.02	
38-003	1/2"	0.43	0.02	
38-004	5/8"	0.48	0.03	
38-005	3/4"	0.53	0.04	

NUT

SAE# 100110

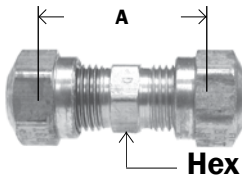


61NAB
61NTA
1461

Part #	Tube O.D.	A	Hex	Approx. Wt. Lbs.	
38-010	1/4"	0.45	0.56	0.02	
38-011	3/8"	0.63	0.62	0.02	
38-012	1/2"	0.72	0.81	0.04	
38-013	5/8"	0.77	0.94	0.04	
38-014	3/4"	0.81	1.12	0.06	

UNION

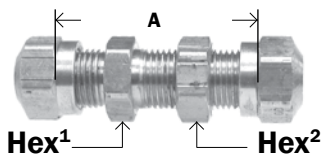
SAE# 100101BA



62NAB
62NTA
1462

Part #	Tube O.D.	A	Hex	Approx. Wt. Lbs.	
38-019	1/4"	0.85	0.43	0.08	
38-020	3/8"	1.10	0.56	0.18	
38-021	1/2"	1.31	0.68	0.20	
38-022	5/8"	1.43	0.81	0.26	
38-023	3/4"	1.60	1.00	0.48	

BULKHEAD UNION

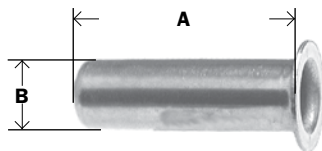


62NBH
1474
475

Part #	Tube O.D.	A	Hex 1	Hex 2	Approx. Wt. Lbs.	
38-028	1/4"	1.38	0.56	0.56	0.11	
38-029	3/8"	1.61	0.69	0.75	0.16	
38-030	1/2"	1.88	0.81	0.87	0.26	

STAINLESS STEEL INSERT

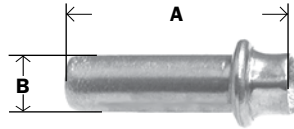
• 300 series stainless



59A
63NTA

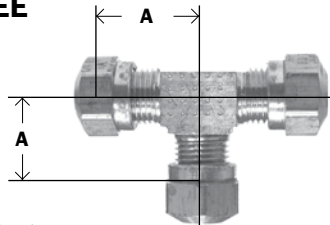
• For SAE# J844 TUBING

Part #	Tube O.D.	A	B	Approx. Wt. Lbs.	
38-035	1/4"	0.53	0.16	0.01	
38-036	3/8"	0.64	0.24	0.02	
38-037	1/2"	0.81	0.37	0.02	
38-038	5/8"	0.86	0.43	0.03	
38-039	3/4"	1.04	0.56	0.03	

D.O.T. AIR BRAKE - NYLON TUBING**BRASS FITTINGS****BRASS INSERT**

1484
463

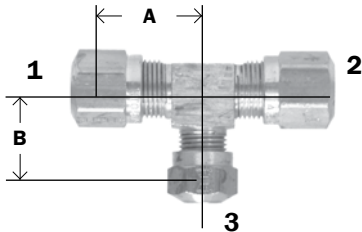
Part #	Tube O.D.	A	B	Approx. Wt. Lbs.	
38-040	1/4"	0.64	0.16	0.01	
38-041	3/8"	0.76	0.24	0.02	
38-042	1/2"	0.94	0.37	0.02	
38-043	5/8"	1.06	0.43	0.02	
38-048	3/4"	1.21	0.56	0.04	

TEE

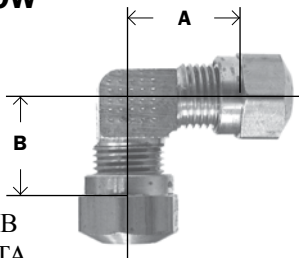
64NAB
264NTA
1464

SAE# 100401BA

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
38-044	1/4"	0.61	0.14	
38-045	3/8"	0.78	0.18	
38-046	1/2"	0.92	0.36	
38-047	5/8"	1.09	0.46	

REDUCING BRANCH TEE

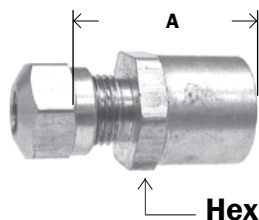
Part #	Tube O.D. (1&2) x 3	A	B	Approx. Wt. Lbs.	
38-049	3/8" x 1/4"	0.72	0.69	0.24	
38-057	1/2" x 3/8"	0.92	0.85	0.30	

ELBOW

65NAB
265NTA
1465

SAE# 100201BA

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
38-052	1/4"	0.61	0.10	
38-053	3/8"	0.78	0.12	
38-054	1/2"	0.92	0.26	
38-055	5/8"	1.09	0.34	

FEMALE ADAPTER

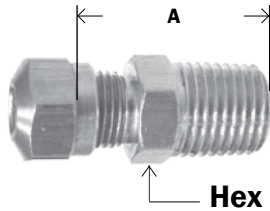
66NAB
66NTA
1466
66NBH

SAE# 100103BA

Part #	Tube O.D. x Female NPT	A	Hex	Approx. Wt. Lbs.	
38-060	1/4" x 1/8"	0.83	0.56	0.07	
38-061	1/4" x 1/4"	1.06	0.68	0.08	
38-062	3/8" x 1/8"	1.00	0.56	0.10	
38-063	3/8" x 1/4"	1.18	0.68	0.10	
38-064	3/8" x 3/8"	1.18	0.87	0.12	
38-065	1/2" x 3/8"	1.27	0.87	0.16	
38-066	1/2" x 1/2"	1.43	1.06	0.26	
38-067	5/8" x 3/8"	1.31	0.87	0.28	
38-068	5/8" x 1/2"	1.50	1.06	0.28	

MALE ADAPTER

SAE# 100102BA

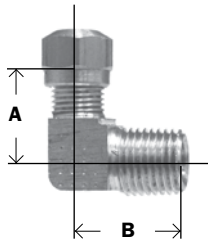


68NAB
68NTA
1468

Part #	Tube O.D. x Male NPTF	A	Hex	Approx. Wt. Lbs.	
38-072	1/4" x 1/16"	0.90	0.43	0.05	
38-073	1/4" x 1/8"	0.88	0.43	0.05	
38-074	1/4" x 1/4"	1.09	0.56	0.07	
38-075	1/4" x 3/8"	1.13	0.68	0.09	
38-076	3/8" x 1/8"	1.03	0.56	0.08	
38-077	3/8" x 1/4"	1.20	0.56	0.10	
38-078	3/8" x 3/8"	1.24	0.68	0.10	
38-079	3/8" x 1/2"	1.43	0.87	0.16	
38-080	1/2" x 1/4"	1.32	0.68	0.13	
38-081	1/2" x 3/8"	1.32	0.68	0.14	
38-082	1/2" x 1/2"	1.51	0.87	0.21	
38-087	1/2" x 3/4"	1.57	1.06	0.23	
38-083	5/8" x 3/8"	1.39	0.81	0.17	
38-084	5/8" x 1/2"	1.57	0.87	0.20	
38-088	5/8" x 3/4"	1.71	1.06	0.25	
38-085	3/4" x 1/2"	1.68	1.00	0.28	
38-086	3/4" x 3/4"	1.71	1.06	0.33	

MALE ELBOW

SAE# 100202BA

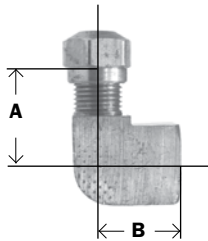


1469

Part #	Tube O.D. x Male NPTF	A	B	Approx. Wt. Lbs.	
38-091	1/4" x 1/8"	0.61	0.65	0.06	
38-092	1/4" x 1/4"	0.67	0.86	0.09	
38-093	1/4" x 3/8"	0.72	0.85	0.12	
38-094	3/8" x 1/8"	0.72	0.73	0.09	
38-095	3/8" x 1/4"	0.80	0.93	0.11	
38-090	3/8" x 1/4" LONG	0.80	1.44	0.14	
38-101	3/8" x 3/8"	0.83	0.90	0.14	
38-102	3/8" x 1/2"	0.93	1.09	0.21	
38-103	1/2" x 1/4"	0.85	0.98	0.18	
38-104	1/2" x 3/8"	0.92	0.98	0.19	
38-109	1/2" x 3/8" LONG	0.94	1.38	0.26	
38-105	1/2" x 1/2"	1.02	1.17	0.28	
38-106	5/8" x 3/8"	1.00	1.05	0.24	
38-107	5/8" x 1/2"	1.10	1.25	0.28	
38-110	5/8" x 3/4"	1.09	1.24	0.38	
38-108	3/4" x 1/2"	1.19	1.33	0.41	

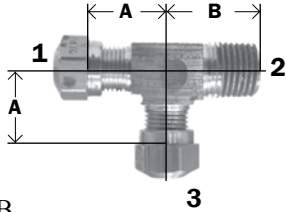
FEMALE ELBOW

SAE# 100203BA



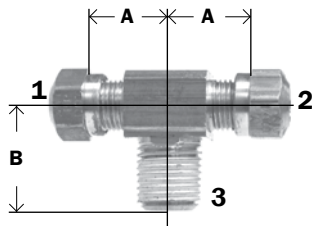
70NAB
1470
270NTA

Part #	Tube O.D. x Female NPTF	A	B	Approx. Wt. Lbs.	
38-113	1/4" x 1/8"	0.68	0.52	0.08	
38-114	1/4" x 1/4"	0.77	0.70	0.12	
38-115	3/8" x 1/8"	0.82	0.58	0.14	
38-116	3/8" x 1/4"	0.88	0.76	0.10	
38-117	3/8" x 3/8"	0.93	0.76	0.12	
38-118	1/2" x 3/8"	1.02	0.81	0.23	
38-119	1/2" x 1/2"	1.13	1.01	0.36	
38-120	5/8" x 1/2"	1.19	1.07	0.38	

D.O.T. AIR BRAKE - NYLON TUBING**BRASS FITTINGS****MALE RUN TEE****SAE# 100424BA**

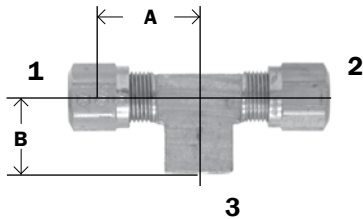
71NAB
271NTA
1471

Part #	Tube O.D. x Male NPTF x Tube O.D. 1x2x3	A	B	Approx. Wt. Lbs.	
38-125	1/4" x 1/8" x 1/4"	0.61	0.65	0.10	
38-126	1/4" x 1/4" x 1/4"	0.68	0.86	0.14	
38-124	3/8" x 1/4" x 1/4"	0.72	0.69	0.14	
38-127	3/8" x 1/4" x 3/8"	0.78	0.91	0.16	
38-128	3/8" x 3/8" x 3/8"	0.83	0.90	0.20	
38-129	1/2" x 3/8" x 1/2"	0.92	0.98	0.30	

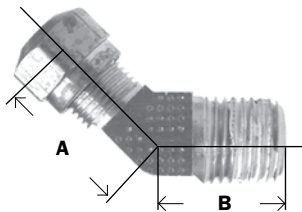
MALE BRANCH TEE**SAE# 100425BA**

72NAB
272NTA
1472

Part #	Tube O.D. x Tube O.D. x Male NPTF 1x2x3	A	B	Approx. Wt. Lbs.	
38-136	1/4" x 1/4" x 1/8"	0.61	0.65	0.10	
38-137	1/4" x 1/4" x 1/4"	0.67	0.86	0.13	
38-138	3/8" x 3/8" x 1/8"	0.71	0.73	0.14	
38-132	3/8" x 1/4" x 1/4"	0.80	0.93	0.15	
38-139	3/8" x 3/8" x 1/4"	0.78	0.91	0.16	
38-133	1/2" x 1/2" x 1/4"	0.87	1.00	0.26	
38-140	3/8" x 3/8" x 3/8"	0.83	0.90	0.20	
38-134	1/2" x 3/8" x 3/8"	0.94	1.00	0.26	
38-141	1/2" x 1/2" x 3/8"	0.92	0.98	0.30	
38-142	1/2" x 1/2" x 1/2"	1.02	1.17	0.38	
38-143	5/8" x 5/8" x 1/2"	1.09	1.24	0.44	

FEMALE BRANCH TEE

Part #	Tube O.D. x Tube O.D. x Female NPTF 1x2x3	A	B	Approx. Wt. Lbs.	
38-144	3/8" x 3/8" x 1/4"	0.90	0.78	0.21	
38-146	5/8" x 5/8" x 1/4"	1.04	0.89	0.48	

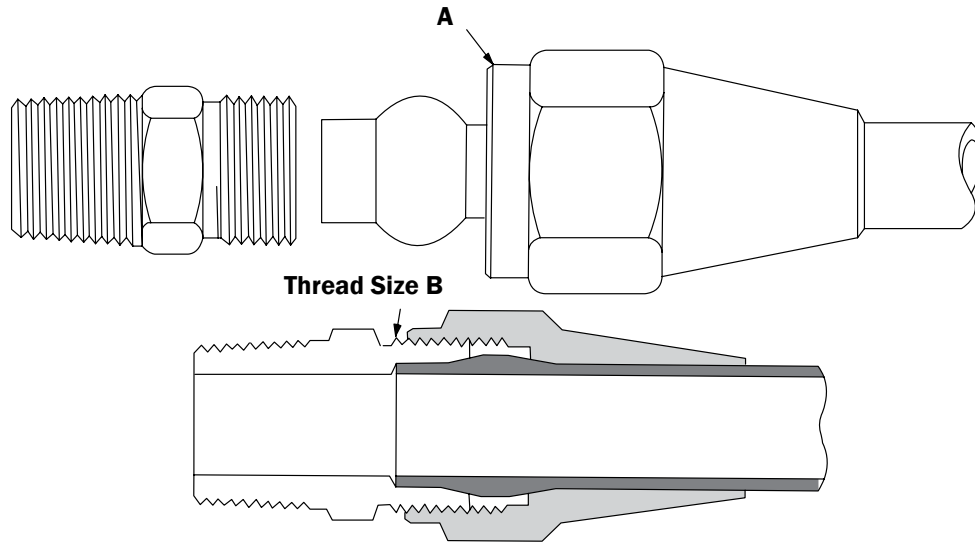
45° ELBOW**SAE# 100302BA**

6945NAB
279NTA
1480

Part #	Tube O.D. x Male NPTF	A	B	Approx. Wt. Lbs.	
38-148	1/4" x 1/8"	0.49	0.63	0.06	
38-149	1/4" x 1/4"	0.60	0.85	0.08	
38-150	3/8" x 1/8"	0.71	0.67	0.10	
38-151	3/8" x 1/4"	0.72	0.86	0.10	
38-152	3/8" x 3/8"	0.76	0.95	0.14	
38-153	3/8" x 1/2"	0.78	1.20	0.24	
38-157	1/2" x 1/4"	0.85	0.95	0.20	
38-154	1/2" x 3/8"	0.84	0.94	0.20	
38-155	1/2" x 1/2"	0.87	1.16	0.24	
38-156	5/8" x 1/2"	1.00	1.20	0.28	
38-158	3/4" x 1/2"	1.10	1.18	0.38	

D.O.T. Air Brake - Copper Tubing

BRASS



Tube O.D.	1/4	3/8	1/2	5/8	3/4
Thread Size-B	7/16-24	17/32-24	11/16-20	13/16-18	1-18

•Typical Application

Air brake systems.

•Pressure

Maximum operating pressure of 150 PSI.

•Vibration

Fair resistance.

•Temperature Range

-65°F to +250°F (-53°C to +121°C) with copper tubing.

•Material

CA360 Brass.

•Used With

Copper tubing in air brake systems.

•Tolerance

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

•Advantages

Easy to assemble (no flaring). May be used with nylon tubing by replacing long nut and spherical sleeve with insert, rigid sleeve and nut.

•Conformance

Meets specifications and standards of SAE and DOT.

•Assembly Instructions

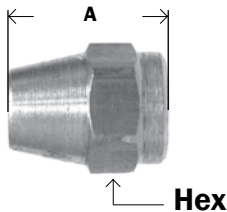
- 1- Cut tubing to desired length. Make sure all burrs are removed and the ends are cut square.
- 2- Slide nut and then sleeve on tubing. Threaded end "A" must face toward fitting body.
- 3- Insert tubing into fitting. Be sure tubing is bottomed on fitting shoulder.
- 4- Thread nut onto fitting body until it is hand tight.
- 5- From that point, tighten with a wrench the number of turns indicated in the chart below:

Tube Size	Additional Number of Turns from Hand Tight
1/4, 3/8	1-3/4
1/2, 5/8, 3/4	3-1/4

D.O.T. AIR BRAKE - COPPER TUBING**BRASS FITTINGS****SLEEVE****SAE# 120115BA**

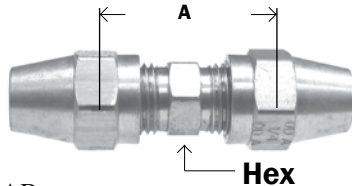
60AB
1360

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
38-161	1/4"	0.25	0.01	
38-162	3/8"	0.31	0.02	
38-163	1/2"	0.38	0.02	
38-164	5/8"	0.44	0.02	
38-165	3/4"	0.50	0.04	

NUT**SAE# 120111BA**

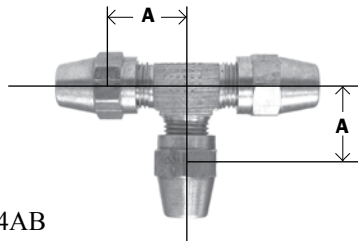
20961
61AB
1361

Part #	Tube O.D.	A	Hex	Approx. Wt. Lbs.	
38-170	1/4"	0.75	0.56	0.02	
38-171	3/8"	1.13	0.62	0.04	
38-172	1/2"	1.25	0.81	0.08	
38-173	5/8"	1.38	0.94	0.12	
38-174	3/4"	1.56	1.12	0.18	

UNION**SAE# 120101BA**

62AB
1362

Part #	Tube O.D.	A	Hex	Approx. Wt. Lbs.	
38-179	1/4"	0.81	0.44	0.08	
38-180	3/8"	1.10	0.56	0.14	
38-181	1/2"	1.07	0.69	0.24	
38-182	5/8"	1.41	0.81	0.34	
38-183	3/4"	1.59	1.00	0.54	

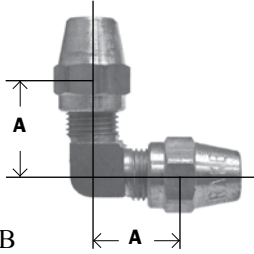
TEE**SAE# 120401BA**

264AB
1364

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
38-188	1/4"	0.62	0.16	
38-189	3/8"	0.82	0.24	
38-190	1/2"	0.94	0.48	
38-191	5/8"	1.09	0.60	

ELBOW

SAE# 120201BA

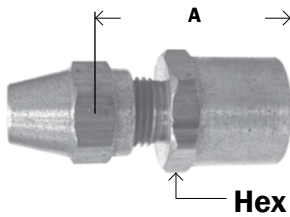
265AB
1365

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
38-196	1/4"	0.62	0.10	
38-197*	3/8"	0.78	0.16	
38-198	1/2"	0.92	0.28	
38-199	5/8"	1.10	0.42	

* Forged

FEMALE ADAPTER

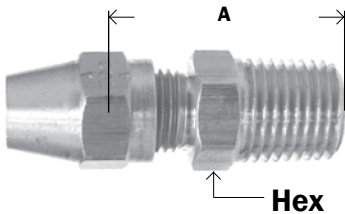
SAE# 120103BA

66AB
1366

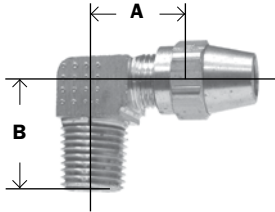
Part #	Tube O.D. x Female NPTF	A	Hex	Approx. Wt. Lbs.	
38-204	1/4" x 1/8"	0.84	0.56	0.08	
38-205	1/4" x 1/4"	1.07	0.68	0.10	
38-206	3/8" x 1/8"	1.00	0.56	0.10	
38-207	3/8" x 1/4"	1.19	0.68	0.12	
38-208	3/8" x 3/8"	1.18	0.87	0.16	
38-209	1/2" x 3/8"	1.27	0.87	0.18	
38-210	1/2" x 1/2"	1.44	1.06	0.20	
38-211	5/8" x 3/8"	1.31	0.87	0.24	
38-212	5/8" x 1/2"	1.50	1.06	0.26	

MALE ADAPTER

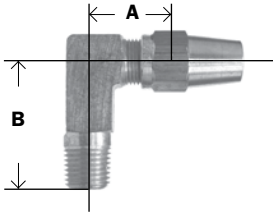
SAE# 120102BA

68AB
1368

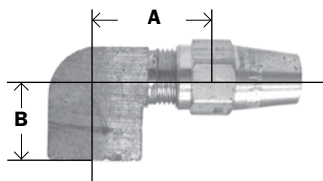
Part #	Tube O.D. x Male NPTF	A	Hex	Approx. Wt. Lbs.	
38-217	1/4" x 1/8"	0.88	0.43	0.06	
38-218	1/4" x 1/4"	0.97	0.56	0.08	
38-219	1/4" x 3/8"	1.14	0.68	0.10	
38-220	3/8" x 1/8"	1.02	0.56	0.08	
38-221	3/8" x 1/4"	1.09	0.56	0.10	
38-222	3/8" x 3/8"	1.19	0.69	0.12	
38-223	3/8" x 1/2"	1.45	0.87	0.18	
38-224	1/2" x 1/4"	1.32	0.69	0.16	
38-225	1/2" x 3/8"	1.35	0.69	0.18	
38-226	1/2" x 1/2"	1.51	0.87	0.24	
38-227	5/8" x 3/8"	1.39	0.81	0.22	
38-228	5/8" x 1/2"	1.57	0.87	0.24	
38-229	3/4" x 1/2"	1.67	1.00	0.34	
38-230	3/4" x 3/4"	1.71	1.06	0.40	

90° MALE ELBOW
SAE# 120202BA

 269AB
1369

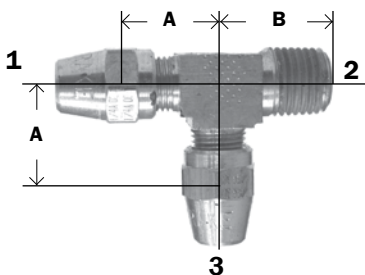
Part #	Tube O.D. x Male NPTF	A	B	Approx. Wt. Lbs.	
38-235	1/4" x 1/8"	0.64	0.76	0.08	
38-236	1/4" x 1/4"	0.69	0.88	0.10	
38-237	1/4" x 3/8"	0.73	0.86	0.14	
38-238	3/8" x 1/8"	0.73	0.75	0.12	
38-239	3/8" x 1/4"	0.80	0.93	0.12	
38-240	3/8" x 3/8"	0.83	0.90	0.16	
38-241	3/8" x 1/2"	0.95	1.11	0.24	
38-242	1/2" x 1/4"	0.85	0.98	0.24	
38-243	1/2" x 3/8"	0.92	0.98	0.22	
38-244	1/2" x 1/2"	1.04	1.19	0.30	
38-245	5/8" x 3/8"	1.01	1.06	0.34	
38-246	5/8" x 1/2"	1.10	1.25	0.36	
38-247	3/4" x 1/2"	1.19	1.32	0.44	

LONG PATTERN ELBOW


Part #	Tube O.D. x Male NPTF	A	B	Approx. Wt. Lbs.	
38-249	3/8" x 1/4"	0.81	1.44	0.16	

90° FEMALE ELBOW
SAE# 120203BA

 270AB
1370

Part #	Tube O.D. x Female NPTF	A	B	Approx. Wt. Lbs.	
38-252	1/4" x 1/8"	0.69	0.52	0.10	
38-253	1/4" x 1/4"	0.78	0.71	0.14	
38-255	3/8" x 1/4"	0.84	0.78	0.16	
38-256	3/8" x 3/8"	0.93	0.77	0.18	
38-257	1/2" x 3/8"	1.03	0.82	0.26	
38-259	5/8" x 1/2"	1.19	1.07	0.44	

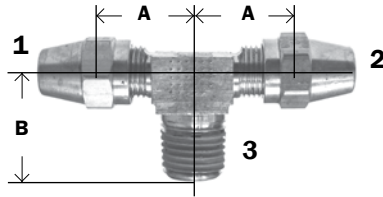
MALE RUN TEE
SAE# 120424BA


Part #	Tube O.D. x Male NPTF (1&3)x2	A	B	Approx. Wt. Lbs.	
38-264	1/4" x 1/8"	0.62	0.66	0.12	
38-265	1/4" x 1/4"	0.68	0.87	0.16	
38-266	3/8" x 1/4"	0.79	0.92	0.20	
38-267	3/8" x 3/8"	0.83	0.90	0.24	
38-269	1/2" x 1/2"	1.03	1.18	0.42	

 271AB
1371

MALE BRANCH TEE

SAE# 120425BA

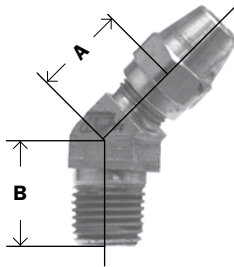


Part #	Tube O.D. x Male NPTF (1&2)x3	A	B	Approx. Wt. Lbs.	
38-278	3/8" x 1/4"	0.78	0.91	0.18	
38-279	3/8" x 3/8"	0.85	0.92	0.24	
38-280	1/2" x 3/8"	0.91	0.98	0.36	
38-281	1/2" x 1/2"	1.03	1.18	0.42	

272AB
1372

45° MALE ELBOW

SAE# 120302BA



Part #	Tube O.D. x Male NPTF	A	B	Approx. Wt. Lbs.	
38-287	1/4" x 1/8"	0.49	0.63	0.08	
38-288	1/4" x 1/4"	0.60	0.85	0.10	
38-290	3/8" x 1/4"	0.72	0.86	0.18	
38-291	3/8" x 3/8"	0.75	0.94	0.20	
38-292	3/8" x 1/2"	0.78	1.16	0.22	
38-293*	1/2" x 3/8"	0.82	0.94	0.18	
38-294	1/2" x 1/2"	0.87	1.16	0.24	

* Forged

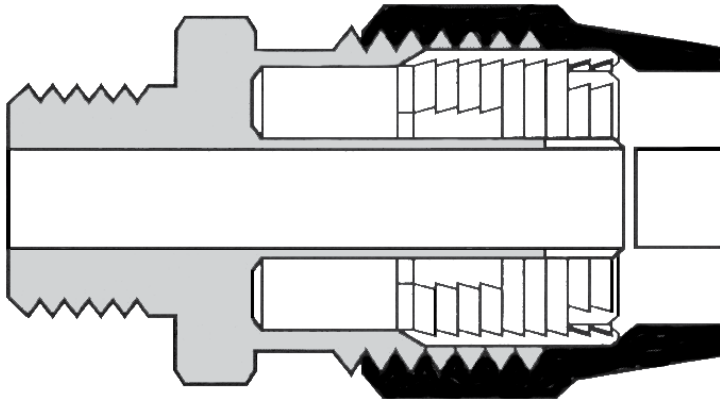
279AB
1380

THE DIFFERENCE BETWEEN A SUCCESSFUL PERSON AND OTHERS IS NOT LACK OF STRENGTH NOT A LACK OF KNOWLEDGE BUT RATHER A LACK OF WILL.

– VINCE LOMBARDI

D.O.T. Air Brake - Hose/ Ends

BRASS



•Typical Application

Air Brake hose connections.

Meets SAE & DOT specifications
(FMVCS 10 GAL)

•Pressure

Determined by maximum working pressure for hose size.
Up to 125 psi

•Material

CA360 Brass.

Temperature: -40°F to + 120° F (-40°C to +48°C)

•Advantages

Can be used for nearly any brake line. Easy to assemble with a good selection of hose end configurations. Brass material offers excellent resistance against corrosion.

•Tolerance

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

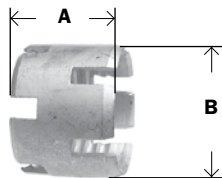
•Assembly Instructions

- 1- Slide nut and sleeve onto hose. Make sure bevel edge of sleeve faces out toward fitting.
- 2- Push hose into fitting until it bottoms.
- 3- Screw nut until contact is made with body hex.

NOTE: When reassembling fitting, body and nut should be inspected. Only reuse if in proper condition. Sleeves should never be reused.

SLEEVE

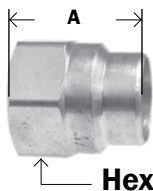
#60HC
3380-A
0903610
367
60RB



Part #	Hose I.D. Size	A	B	Approx. Wt. Lbs.	
38-300	3/8"	0.69	0.90	0.02	
38-301	1/2"	0.64	1.03	0.02	

NUT

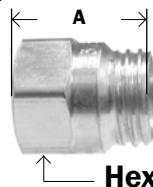
61RB
#61HC
369
3380-B
0903624



Part #	Hose I.D. Size	A	Hex	Approx. Wt. Lbs.	
38-306	3/8"	1.26	1.03	0.04	
38-307	1/2"	1.20	1.25	0.06	

SPRING NUT

#61HCS
0903613
3380-D
61RBSG



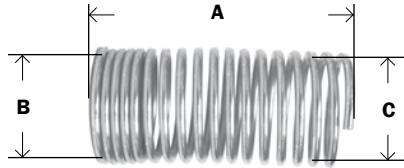
Part #	Hose I.D. Size	Thread	A	Hex	Approx. Wt. Lbs.	
38-312	3/8"	31/32-20	1.25	1.03	0.04	
38-313	1/2"	1-3/32-20	1.20	1.25	0.06	

ROCHESTER INDUSTRIAL PRODUCTS

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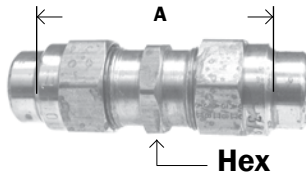
SPRING



#60SG 3380-C
0901045 377

Part #	Hose I.D.	A	B	C	Approx. Wt. Lbs.	
38-351	3/8"	2.75	0.84	0.78	0.20	
38-352	1/2"	2.75	1.10	1.10	0.22	

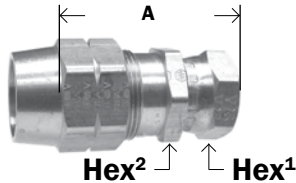
UNION



#62HC 362
3380B-Y0

Part #	Hose I.D.	Thread	A	Hex	Approx. Wt. Lbs.	
38-318	3/8"	31/32-30	2.55	0.97	0.32	
38-319	1/2"	1-1/8-20	2.55	1.12	0.48	

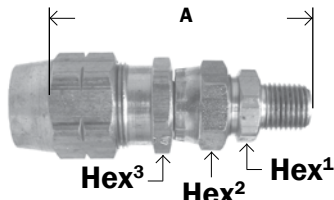
FEMALE CONNECTOR HOSE



#66ABS 3380B-Y7
66RBSV 386

Part #	Hose I.D. x Female ABS	A	Hex 1	Hex 2	Approx. Wt. Lbs.	
38-357	3/8" x 3/4-20	1.96	0.87	0.97	0.24	
38-358	1/2" x 7/8-20	2.1	1.06	1.12	0.38	

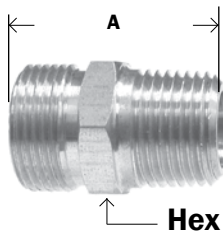
MALE CONNECTOR



#68ABS 3380B-Y8
09155 387

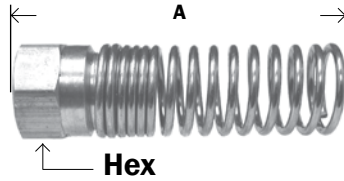
Part #	Hose I.D. x Male Pipe	A	Hex 1	Hex 2	Hex 3	Approx. Wt. Lbs.	
38-363	3/8" x 1/4"	2.90	0.75	0.87	0.97	0.38	
38-364	1/2" x 3/8"	2.96	0.87	1.06	1.12	0.46	

ADAPTER



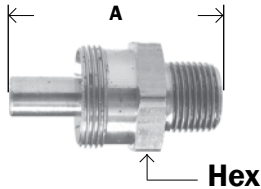
#68ABS 76RB
1390 388

Part #	Male ABS x Male Pipe	ABS Thread	A	Hex	Approx. Wt. Lbs.	
38-369	3/8" x 1/4"	3/4-20	1.14	0.75	0.06	
38-368	3/8" x 3/8"	3/4-20	1.14	0.75	0.08	
38-372	3/8" x 1/2"	3/4-20	1.37	0.87	0.12	
38-370	1/2" x 3/8"	7/8-20	1.18	0.87	0.10	
38-371	1/2" x 1/2"	7/8-20	1.38	0.87	0.12	

D.O.T. AIRBRAKE - HOSES/ENDS**BRASS FITTINGS****NUT AND SPRING ASSEMBLY**

379
67RBSG
0999999

Part #	Hose I.D. Size	A	Hex	Approx. Wt. Lbs.	
38-015	3/8"	3.55	1.03	0.18	
38-016	1/2"	3.50	1.25	0.24	

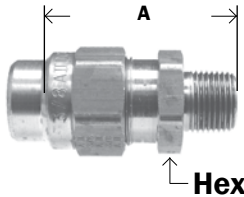
ADAPTER BODY

#68B
W1391Z

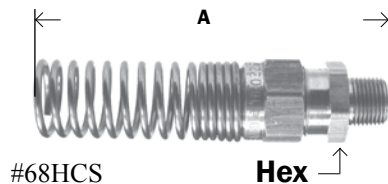
Part #	Hose I.D. x Male Pipe	A	Hex	Approx. Wt. Lbs.	
38-324	3/8" x 1/4"	1.93	0.97	0.12	
38-325	3/8" x 3/8"	1.92	0.97	0.14	
38-326	3/8" x 1/2"	2.02	1.00	0.20	
38-327	1/2" x 3/8"	2.07	1.12	0.18	
38-328	1/2" x 1/2"	2.06	1.12	0.20	

MALE ADAPTER

#68HC
368
3380B-Y2
68RB



Part #	Hose I.D. x Male Pipe	A	Hex	Approx. Wt. Lbs.	
38-333	3/8" x 1/4"	1.91	0.97	0.22	
38-334	3/8" x 3/8"	1.94	0.97	0.24	
38-335	3/8" x 1/2"	2.12	0.97	0.26	
38-336	1/2" x 3/8"	2.07	1.12	0.33	
38-337	1/2" x 1/2"	2.07	1.12	0.36	

MALE ADAPTER

#68HCS
3380B-Y3
68RBSG
378

Part #	Hose I.D. x Male Pipe	A	Hex	Approx. Wt. Lbs.	
38-342	3/8" x 1/4"	4.91	1.00	0.32	
38-343	3/8" x 3/8"	4.96	1.00	0.34	
38-344	3/8" x 1/2"	5.53	1.00	0.38	
38-345	1/2" x 3/8"	4.75	1.12	0.48	
38-346	1/2" x 1/2"	4.88	1.12	0.52	

HOSE END KITS

- Consists of two swivel ends and a hex wrench for 3/8" ID J1402 type A. All and All hose with a minimum of 3/4" O.D.

Part #		List Price
38-375	3/8" NPTF	18.07
38-376	1/2" NPTF	23.60

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D.O.T. PUSH-IN TUBE FITTINGS

Meets D.O.T. FMVSS 571.106 SAE J1131 Air Brake System Requirements

Benefits for Cost Savings & Engineering Project

- **Fast assembly:** No tools required. Simply push tubing in. Saves up to 75% of assembly time compared to standard air compression fittings. No loose parts to handle.
- **Fast disconnect:** Hold the collet collar with two fingers and pull out tube. No tools required.
- **Reusable:** Can be connected and disconnected several times.
- **Reliable sealing:** Using recommended tubing, full sealing is guaranteed.
- **Versatility:** Buna N O'ring standard. Viton and others available per request. Secure Tube Retention. Pulling on tubing only serves to tighten the connection.
- **Pre-Applied Teflon®** based pipe sealant on all male pipe threads, saving customer additional labor.
- **Full Flow Design,** provides more flow area than conventional fittings with internal tube supports even in the swivels.

DOT Fittings are constructed with an all brass captive eyelet which allows for maximum flow. The brass captive eyelet with extended length is floating and has a machined top end radius for easy instal-

lation of tubing. All male threads have a pre-applied Teflon® based pipe sealant to provide for easy assembly and leak proof seal.

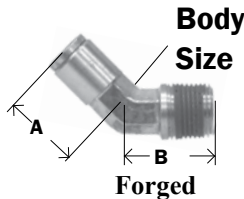
• **Materials:**

CA360 Brass - Barstock CA377 - Forged
"O" Ring: Buna - Nitrile (90 Durometer)
EP (Ethylene Propylene)

• **Working Pressures & Temperature Ranges**

Vacuum to 150 PSI
-40°F to 200° F (-40°C to +93°C)

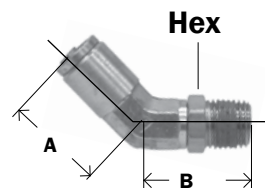
MALE 45° ELBOW



AQ54DOT
179MTNS
1880
DQ54DOT

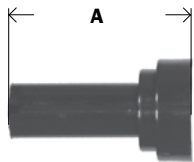
Part #	Tube O.D. x Male NPTF	A	B	Body Size	Approx. Wt. Lbs.	
540402	1/4" x 1/8"	0.87	0.81	0.56	0.06	
540404	1/4" x 1/4"	0.89	0.98	0.56	0.06	
540602	3/8" x 1/8"	1.02	0.93	0.75	0.08	
540604	3/8" x 1/4"	1.06	1.10	0.75	0.10	
540606	3/8" x 3/8"	1.10	1.12	0.75	0.10	
540608	3/8" x 1/2"	1.14	1.30	0.87	0.15	
540804	1/2" x 1/4"	1.22	1.10	0.87	0.13	
540806	1/2" x 3/8"	1.26	1.12	0.87	0.16	
540808	1/2" x 1/2"	1.30	1.30	0.87	0.18	
541006	5/8" x 3/8"	1.46	1.02	1.06	0.22	
541008	5/8" x 1/2"	1.46	1.22	1.06	0.21	
541208	3/4" x 1/2"	1.52	1.30	1.00	0.28	
541212	3/4" x 3/4"	1.36	1.18	0.94	0.32	

MALE 45° SWIVEL ELBOW



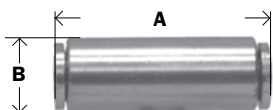
AQ54DOTS
179PMT
1880
DQ54DOTS

Part #	Tube O.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
540402S	1/4" x 1/8"	0.99	0.98	0.43	0.06	
540404S	1/4" x 1/4"	0.77	0.94	0.55	0.09	
540602S	3/8" x 1/8"	1.07	1.08	0.43	0.10	
540604S	3/8" x 1/4"	1.07	1.13	0.56	0.11	
540606S	3/8" x 3/8"	1.08	1.23	0.68	0.14	
540804S	1/2" x 1/4"	1.22	1.22	0.56	0.14	
540806S	1/2" x 3/8"	1.20	1.31	0.68	0.16	
540808S	1/2" x 1/2"	1.20	1.61	0.88	0.18	
541008S	5/8" x 1/2"	1.39	1.68	0.87	0.24	

D.O.T. PUSH-IN**BRASS FITTINGS****PLUG**

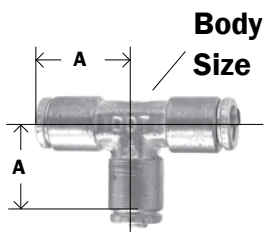
1829
DQ59DOT
639PMT

Part #	Tube O.D.	A	Approx. Wt. Lbs.	
595320	5/32"	1.16	0.01	
590400	1/4"	0.81	0.02	
590600	3/8"	1.34	0.02	
590800	1/2"	0.99	0.04	

UNION

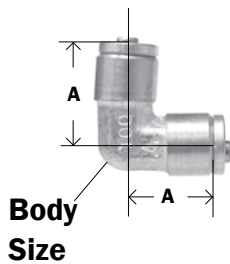
AQ62DOT
62PMT
1862
DQ62DOT

Part #	Tube O.D.	A	B	Approx. Wt. Lbs.	
620532	5/32"	1.18	0.39	0.06	
620400	1/4"	1.40	0.51	0.08	
620600	3/8"	1.74	0.67	0.14	
620604	3/8" x 1/4"	1.70	0.67	0.18	
620800	1/2"	2.01	0.81	0.19	
621000	5/8"	2.42	1.00	0.30	
621200	3/4"	2.48	1.18	0.44	

UNION TEE

AQ64DOT
164 PMT
1864
DQ64DOT

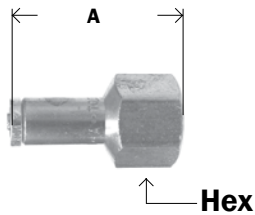
Part #	Tube O.D.	A	Body Size	Approx. Wt. Lbs.	
640400	1/4"	0.83	0.37	0.11	
640600	3/8"	1.07	0.52	0.22	
640800	1/2"	1.26	0.62	0.25	
641000	5/8"	1.32	0.69	0.32	

UNION ELBOW

AQ65DOT
165 PMT
1865
DQ65DOT

Part #	Tube O.D.	A	Body Size	Approx. Wt. Lbs.	
655320	5/32"	0.66	0.29	0.03	
650400	1/4"	0.83	0.37	0.06	
650600	3/8"	1.07	0.50	0.10	
650800	1/2"	1.26	0.62	0.18	

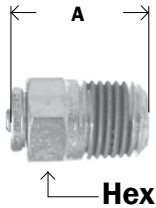
FEMALE CONNECTOR



AQ66DOT
66PMT
1866
DQ66DOT

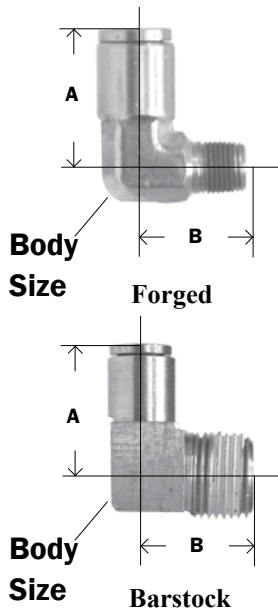
Part #	Tube O.D. x Female NPTF	A	Hex	Approx. Wt. Lbs.	
660402	1/4" x 1/8"	1.31	0.56	0.06	
660404	1/4" x 1/4"	1.59	0.68	0.10	
660602	3/8" x 1/8"	1.45	0.68	0.09	
660604	3/8" x 1/4"	1.74	0.68	0.11	
660606	3/8" x 3/8"	1.78	0.87	0.14	
660804	1/2" x 1/4"	1.66	0.87	0.14	
660806	1/2" x 3/8"	1.59	0.87	0.16	
660808	1/2" x 1/2"	2.11	0.68	0.25	

MALE CONNECTOR



AQ68DOT
68PM
1868
DQ68DOT
68PMT

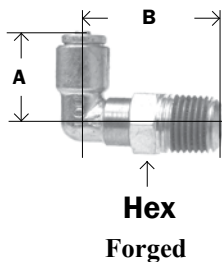
Part #	Tube O.D. x Male NPTF	A	Hex	Approx. Wt. Lbs.	
685320	5/32" x 10/32"	0.90	0.37	0.02	
685321	5/32" x 1/16"	0.78	0.37	0.02	
685322	5/32" x 1/8"	0.79	0.43	0.02	
680302	3/16" x 1/8"	1.02	0.50	0.02	
680421	1/4" x 1/16"	1.17	0.44	0.02	
680402	1/4" x 1/8"	1.04	0.50	0.04	
680404	1/4" x 1/4"	1.17	0.56	0.05	
680406	1/4" x 3/8"	1.20	0.68	0.08	
680602	3/8" x 1/8"	1.32	0.68	0.04	
680604	3/8" x 1/4"	1.48	0.68	0.08	
680606	3/8" x 3/8"	1.42	0.68	0.08	
680608	3/8" x 1/2"	1.46	0.87	0.14	
680804	1/2" x 1/4"	1.68	0.87	0.11	
680806	1/2" x 3/8"	1.64	0.87	0.12	
680808	1/2" x 1/2"	1.72	0.87	0.14	
681006	5/8" x 3/8"	1.87	1.06	0.18	
681008	5/8" x 1/2"	2.12	1.06	0.18	
681208	3/4" x 1/2"	2.11	1.18	0.20	
681212	3/4" x 3/4"	2.03	1.18	0.20	

MALE ELBOW


AQ69DOT
169 PMTNS
1869
DQ69DOT

Part #	Tube O.D. x Male NPTF	A	B	Body Size	Approx. Wt. Lbs.	
695302*	5/32" x 1/16"	0.75	0.59	0.32	0.03	
695322	5/32" x 1/8"	0.78	0.69	0.32	0.03	
690302	3/16" x 1/8"	0.81	0.75	0.47	0.03	
690402	1/4" x 1/8"	0.81	0.79	0.55	0.05	
690404	1/4" x 1/4"	0.87	1.02	0.71	0.06	
690406	1/4" x 3/8"	0.94	1.10	0.87	0.11	
690602	3/8" x 1/8"	1.08	0.87	0.71	0.14	
690604	3/8" x 1/4"	1.06	1.02	0.71	0.14	
690606	3/8" x 3/8"	1.14	1.10	0.89	0.15	
690608	3/8" x 1/2"	1.14	1.38	0.94	0.20	
690804	1/2" x 1/4"	1.22	1.14	0.87	0.22	
690806	1/2" x 3/8"	1.26	1.14	0.87	0.22	
690808	1/2" x 1/2"	1.28	1.38	0.94	0.24	
691006	5/8" x 3/8"	1.44	1.22	0.87	0.30	
691008	5/8" x 1/2"	1.54	1.42	1.18	0.32	
691208	3/4" x 1/2"	1.52	1.48	0.94	0.32	
691212	3/4" x 3/4"	1.59	1.50	1.18	0.34	

* Barstock

MALE SWIVEL ELBOW


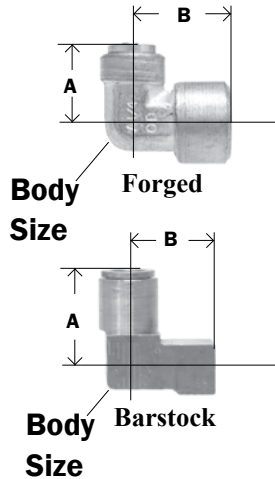
AQ69DOTS
169PMT
1869
DQ69DOTS

Part #	Tube O.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
695322S	5/32" x 1/8"	0.79	0.88	0.44	0.07	
690402S	1/4" x 1/8"	0.83	0.91	0.43	0.07	
690404S	1/4" x 1/4"	0.83	1.12	0.56	0.10	
690406S	1/4" x 3/8"	1.02	1.13	0.68	0.10	
690602S	3/8" x 1/8"	1.07	1.05	0.55	0.10	
690604S	3/8" x 1/4"	1.07	1.29	0.75	0.10	
690606S	3/8" x 3/8"	1.10	1.23	0.68	0.14	
690608S	3/8" x 1/2"	1.07	1.44	0.87	0.19	
690804S	1/2" x 1/4"	1.27	1.27	0.87	0.16	
690806S	1/2" x 3/8"	1.27	1.42	0.87	0.18	
690808S	1/2" x 1/2"	1.27	1.62	0.87	0.26	
691006S	5/8" x 3/8"	1.54	1.41	0.68	0.28	
691008S	5/8" x 1/2"	1.54	1.71	0.87	0.30	
691208S	3/4" x 1/2"	1.40	2.04	1.06	0.50	
691212S	3/4" x 3/4"	1.40	1.60	1.06	0.56	

IF NOT US, WHO? IF NOT NOW, WHEN?

– JOHN F. KENNEDY

FEMALE ELBOW



Part #	Tube O.D. x Female NPTF	A	B	Body Size	Approx. Wt. Lbs.	
700402	1/4" x 1/8"	0.94	0.71	0.55	0.06	
700404	1/4" x 1/4"	1.13	1.03	0.50	0.10	
700406	1/4" x 3/8"	1.27	0.98	0.62	0.16	
700602	3/8" x 1/8"	1.11	0.96	0.71	0.15	
700604	3/8" x 1/4"	1.08	0.98	0.50	0.12	
700606	3/8" x 3/8"	1.08	1.05	0.62	0.17	
700806*	1/2" x 3/8"	1.22	1.11	0.82	0.26	
700808	1/2" x 1/2"	1.37	1.31	0.62	0.30	

* Barstock

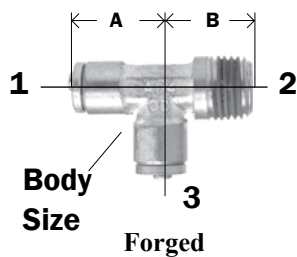
AQ70DOTS
1870
DQ70DOTS
170PMTNS

FEMALE SWIVEL ELBOW



Part #	Size	List Price
700404S	1/4" x 1/4"	9.86

MALE RUN TEE

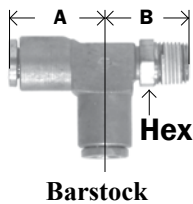
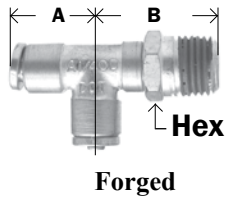


Part #	Tube O.D. x Male NPTF (1 x 3) x 2	A	B	Body Size	Approx. Wt. Lbs.	
710402	1/4" x 1/8"	0.88	0.79	0.55	0.06	
71040604	(1/4" x 3/8") x 1/4"	0.89	0.96	0.71	0.20	
710404	1/4" x 1/4"	0.88	0.96	0.71	0.08	
710604	3/8" x 1/4"	1.09	0.96	0.71	0.20	
71060404	(3/8" x 1/4") x 1/4"	1.09	0.96	0.71	0.20	
710606	3/8" x 3/8"	1.14	1.10	0.87	0.12	
71060406	(3/8" x 1/4") x 3/8"	1.14	1.10	0.87	0.20	
710608	3/8" x 1/2"	1.09	1.11	0.94	0.14	
710806	1/2" x 3/8"	1.30	1.14	0.87	0.28	
71080804	1/2" x 1/4"	1.30	1.14	0.87	0.28	

AQ71DOT
171PMTNS
1871
DQ71DOT

MALE SWIVEL RUN TEE

AQ71DOTS
171PMT
1871
DQ71DOTS

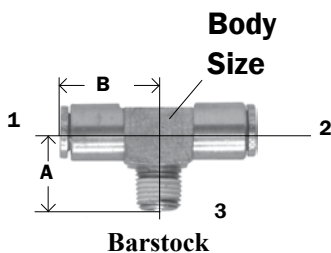
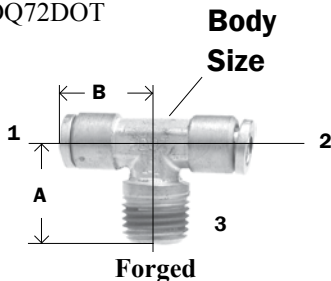


Part #	Tube O.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
710402S	1/4" x 1/8"	0.84	0.91	0.43	0.10	
710404S	1/4" x 1/4"	0.83	1.12	0.56	0.11	
710604S	3/8" x 1/4"	1.07	1.29	0.75	0.15	
710606S	3/8" x 3/8"	1.06	1.17	0.50	0.14	
710804S*	1/2" x 1/4"	1.21	1.22	0.56	0.24	
710806S	1/2" x 3/8"	1.24	1.28	0.62	0.24	
710808S	1/2" x 1/2"	1.24	1.58	0.62	0.30	

* Barstock

MALE BRANCH TEE

AQ72DOT
172PMTNS
1872
DQ72DOT



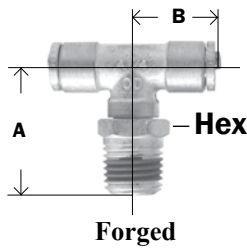
Part #	Tube O.D. x Male NPTF (1 x 2) x 3	A	B	Body Size	Approx. Wt. Lbs.	
720302*	3/16" x 1/8"	0.64	0.75	0.41	0.07	
720402	1/4" x 1/8"	0.79	0.85	0.55	0.10	
720404	1/4" x 1/4"	0.96	0.89	0.71	0.10	
720604	3/8" x 1/4"	0.96	1.08	0.71	0.20	
72060404	(3/8" x 1/4") x 1/4"	0.96	0.89	0.71	0.20	
720606	3/8" x 3/8"	1.10	1.14	0.87	0.10	
720804	1/2" x 1/4"	1.14	1.22	0.87	0.20	
720806	1/2" x 3/8"	1.07	1.26	0.62	0.24	
720808	1/2" x 1/2"	1.42	1.34	0.94	0.32	
72100808	(5/8" x 1/2") x 1/2"	1.46	1.30	1.18	0.20	

* Barstock

DON'T WORRY ABOUT FAILURES, WORRY ABOUT THE CHANCES YOU MISS WHEN YOU DON'T EVEN TRY.

— JACK CANFIELD

MALE SWIVEL BRANCH TEE



AQ72DOTS
172PMT
1872
DQ72DOTS

Part #	Tube O.D. x Male NPTF	A	B	Hex	Approx. Wt. Lbs.	
720402S	1/4" x 1/8"	0.91	0.83	0.43	0.12	
720404S	1/4" x 1/4"	1.04	1.01	0.56	0.14	
720602S	3/8" x 1/8"	1.07	1.08	0.43	0.19	
720604S	3/8" x 1/4"	1.29	1.08	0.75	0.20	
720606S	3/8" x 3/8"	1.21	0.98	0.68	0.18	
720804S	1/2" x 1/4"	1.39	1.28	0.87	0.30	
720806S	1/2" x 3/8"	1.26	1.31	0.68	0.34	
720808S	1/2" x 1/2"	1.26	1.61	0.87	0.22	

FEMALE BRANCH TEE



(RUN) BRANCH

Part #	(1 & 2) x 3	
770402	1/4" x 1/8"	
770404	1/4" x 1/4"	
770604	3/8" x 1/4"	

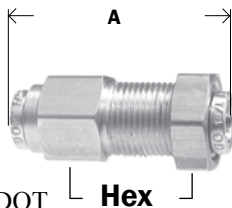
GLADHAND BULKHEAD CONNECTOR



TUBE OD x MALE NPTF

Part #	Size	
830808	1/2" x 1/2"	

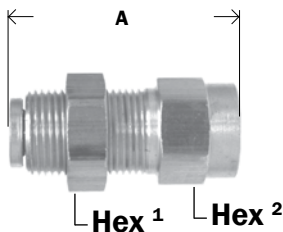
BULKHEAD UNION



AQ82DOT
62PMTBH
1874
DQ82DOT

Part #	Tube O.D.	A	Hex	Approx. Wt. Lbs.	
820400	1/4"	1.90	0.68	0.16	
820600	3/8"	1.55	1.06	0.21	
820800	1/2"	1.82	1.18	0.14	
821000	5/8"	2.42	1.25	0.30	

FEMALE BULKHEAD UNION



AQ86DOT
1873
DQ86DOT
66PMTBH

Part #	Tube O.D. x Female NPTF	A	Hex 1	Hex 2	Approx. Wt. Lbs.	
860404	1/4 x 1/4"	1.59	0.94	0.87	0.10	
860604	3/8" x 1/4"	1.87	0.94	0.94	0.14	
860606	3/8" x 3/8"	2.20	1.12	0.94	0.16	
860808	1/2" x 1/2"	2.64	1.31	1.06	0.32	

• Jam nuts not available seperately

AIR BRAKE - SPLIT SLEEVE/ ACCESSORIES**BRASS FITTINGS****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

1460
90791
280
90946



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

NUT

1461
90790
281
90885



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

DOUBLE END UNION

1462
90792
283
90891



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

CONNECTOR

1468
90794
282
90985



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

ELBOW

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

**AIR BRAKE ACCESSORIES
GLADHAND COUPLINGS**

- Die Cast Aluminum Body
- Conforms to SAE J318
- Connects to 1/2" pipe
- Rubber seal
- SS wear plates
- Premium
- Plated finish for durability
- Clamp plate wraps around for extra security
- 3/8" Mounting Bolt hole



44105
36101

W79850
• polarized

SERVICE (Signal) Blue
connects only to service

Part #		
38-712		

441016
W79851 **EMERGENCY (Supply Line) Red**

36201 • polarized

Part #	connects only to emergency	
38-714		

441017
GH017 **UNIVERSAL - Gold** 36301

W76150 • non-polarized

Part #	connects to both styles	
38-716		

GLADHAND SEAL

Part #		
38-720	Full Face	
38-720B	Blue	
38-720R	Red	

GLADHAND GRIPS**TEC-Grip Handles**

- Sold in a package of 1 red and 1 blue.
- Non-slip, hex shape body from a UV-resistant polymer that is more shatter proof.
- Inside edges are beveled to eliminate hose chafing.

Flex Grip Set

Part #	
38-724	



NEW

- Rubberized to be used on rubber hose assemblies.
- Protects hose/tubing during connection.
- Allows gradual bend restriction during tight turns.
- Pack of 1 red and 1 blue

Part #	
38-725	

BRASS FITTINGS

AIR BRAKE - TUBING



- Air Brake Tubing available from inventory in a large variety of colors and sizes
- Superior cold weather flexibility and abrasion resistance
- UV and ozone resistant nylon
- Meets or exceeds SAE J844 (Type A - non-reinforced & Type B - reinforced)
- Meets or exceeds DOT requirements for use with compression fittings (NOTE: SAE does not recognize 1/8", 5/32" or 3/16" O.D. tubing for use with air brake systems)
- Air Brake Tubing identified per SAE J844 & FMVSS No. 106 Brake Hoses, 49 CFR 571.106
- Conforms to our own rigorous qualification and inspection testing which exceeds SAE and DOT requirements
- Designed to operate at up to 150 psi in air brake systems
- Resistant to attack by gasoline, diesel fuel and commonly used road and cleaning chemicals
- Air Brake Tubing available on bulk spools or by packages
- Operating range: -40° - 200°F - Not made for fuel

BRASS

Part Number	Color	Length	Nominal O.D.	Nominal Wall	
38-950B2	Black	2000'	1/8"	0.023"	
38-950	Black	100'	1/8"	0.023"	
38-95BA	Black	50'	1/8"	0.023"	
38-951B1	Black	1000'	5/32"	0.032"	
38-951	Black	100'	5/32"	0.032"	
38-951BA	Black	50'	5/32"	0.032"	
38-953B1	Black	1000'	3/16"	0.035"	
38-953	Black	100'	3/16"	0.035"	
38-953BA	Black	50'	3/16"	0.035"	
38-9523	Black	1000'	1/4"	0.040"	
38-952	Black	100'	1/4"	0.040"	
38-952BA	Black	50'	1/4"	0.040"	
38-952U1	Blue	1000'	1/4"	0.040"	
38-952U	Blue	100'	1/4"	0.040"	
38-952UA	Blue	50'	1/4"	0.040"	
38-952O1	Orange	1000'	1/4"	0.040"	
38-952O	Orange	100'	1/4"	0.040"	
38-952OA	Orange	50'	1/4"	0.040"	
38-952G1	Green	1000'	1/4"	0.040"	
38-952G	Green	100'	1/4"	0.040"	
38-952GA	Green	50'	1/4"	0.040"	
38-952R1	Red	1000'	1/4"	0.040"	
38-952R	Red	100'	1/4"	0.040"	
38-952RA	Red	50'	1/4"	0.040"	
38-952Y1	Yellow	1000'	1/4"	0.040"	
38-952Y	Yellow	100'	1/4"	0.040"	
38-952YA	Yellow	50'	1/4"	0.040"	
38-954B5	Black	500'	5/16"	0.040"	
38-954	Black	100'	5/16"	0.040"	
38-954BA	Black	50'	5/16"	0.040"	
38-960B5	Black	500'	3/8"	0.062"	
38-960	Black	100'	3/8"	0.062"	
38-960BA	Black	50'	3/8"	0.062"	
38-960U5	Blue	500'	3/8"	0.062"	
38-960U	Blue	100'	3/8"	0.062"	
38-960UA	Blue	50'	3/8"	0.062"	
38-960O5	Orange	500'	3/8"	0.062"	
38-960O	Orange	100'	3/8"	0.062"	
38-960OA	Orange	50'	3/8"	0.062"	
38-960G5	Green	500'	3/8"	0.062"	
38-960G	Green	100'	3/8"	0.062"	
38-960GA	Green	50'	3/8"	0.062"	
38-960R5	Red	500'	3/8"	0.062"	
38-960R	Red	100'	3/8"	0.062"	

38-960RA	Red	50'	3/8"	0.062"	
38-960Y5	Yellow	500'	3/8"	0.062"	
38-960Y	Yellow	100'	3/8"	0.062"	
38-960YA	Yellow	50'	3/8"	0.062"	
38-965B5	Black	500'	1/2"	0.062"	
38-965	Black	100'	1/2"	0.062"	
38-965BA	Black	50'	1/2"	0.062"	
38-965U5	Blue	500'	1/2"	0.062"	
38-965U	Blue	100'	1/2"	0.062"	
38-965UA	Blue	50'	1/2"	0.062"	
38-965O5	Orange	500'	1/2"	0.062"	
38-965O	Orange	100'	1/2"	0.062"	
38-965OA	Orange	50'	1/2"	0.062"	
38-965G5	Green	500'	1/2"	0.062"	
38-965G	Green	100'	1/2"	0.062"	
38-965GA	Green	50'	1/2"	0.062"	
38-965R5	Red	500'	1/2"	0.062"	
38-965R	Red	100'	1/2"	0.062"	
38-965RA	Red	50'	1/2"	0.062"	
38-965Y5	Yellow	500'	1/2"	0.062"	
38-965Y	Yellow	100'	1/2"	0.062"	
38-965YA	Yellow	50'	1/2"	0.062"	
38-970BC	Black	250'	5/8"	0.092"	
38-970	Black	100'	5/8"	0.092"	
38-970BA	Black	50'	5/8"	0.092"	
38-970GC	Green	250'	5/8"	0.092"	
38-970G	Green	100'	5/8"	0.092"	
38-970GA	Green	50'	5/8"	0.092"	
38-970RC	Red	250'	5/8"	0.092"	
38-970R	Red	100'	5/8"	0.092"	
38-970RA	Red	50'	5/8"	0.092"	
38-975BC	Black	250'	3/4"	0.092"	
38-975	Black	100'	3/4"	0.092"	
38-975BA	Black	50'	3/4"	0.092"	
38-975GC	Green	250'	3/4"	0.092"	
38-975G	Green	100'	3/4"	0.092"	
38-975GA	Green	50'	3/4"	0.092"	