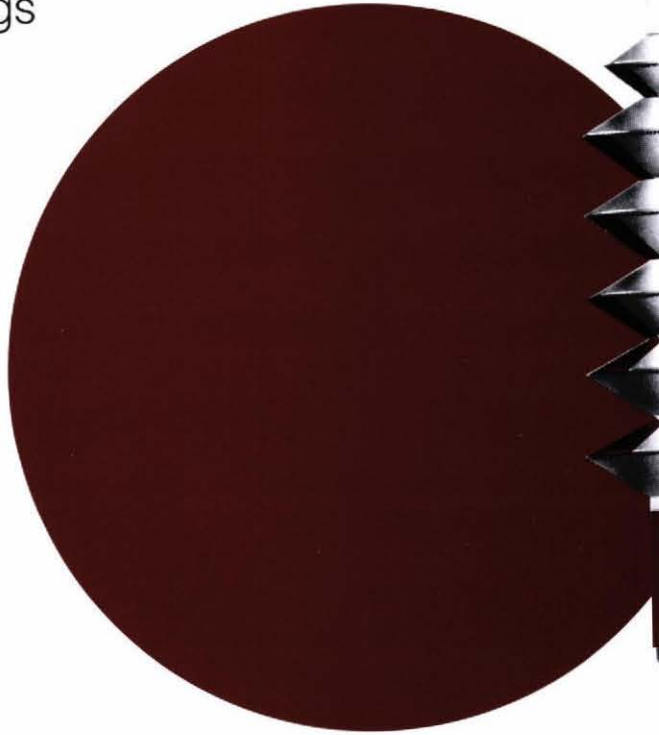


ALLAN AIRCRAFT SUPPLY COMPANY

MANUFACTURERS OF:

- 37° Flared Tube Fittings
- Straight Thread Adapters
- Pipe Thread Adapters
- Weld End Fittings
- Orifice Fittings
- Ring Seal Fittings
- MS Boss Fittings



ALLAN AIRCRAFT

SUPPLY COMPANY

Allan Aircraft Supply Company has been manufacturing for industry since 1952. By concentrating on the manufacturing of fittings we have become one of the nation's major producers in this field.

As fittings specialists, with over a quarter century of diversified experience, we have the machines and the capability to manufacture to your needs or prints. . . and to design special fittings to solve particular problems, or meet unique applications.

While we specialize in stainless steel we have ample experience and can handle most metals. In addition, we have the staff and facilities to design, develop and manufacture fittings for the aircraft, aerospace, nuclear and petrochemical as well as marine, food processing and cryogenic industries.

At Allan Aircraft Supply Company our rigid quality control procedures and inspection laboratory are your assurance of high quality fittings produced on a cost effective, competitive basis.

AIRCRAFT

AEROSPACE

NUCLEAR

PETROCHEMICAL

MARINE

FOOD PROCESSING

CRYOGENIC

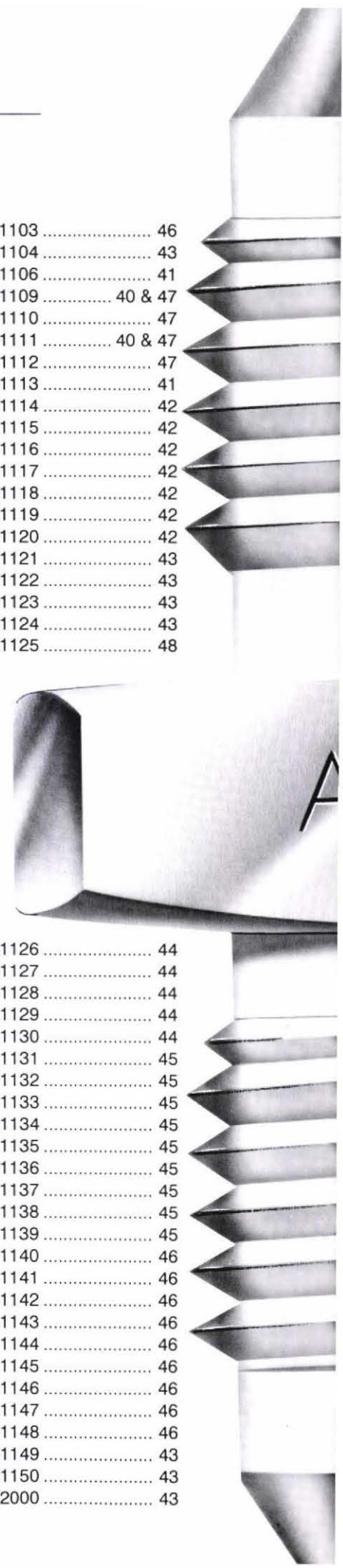
Index

General Information

Fitting Data	2	AA67026	21	AA67131	26	AAB1103	46
Specifications	3	AA67027	22	AA1634	36	AAB1104	43
How To Order	4	AA67028	25	AA1635	36	AAB1106	41
Flared Tube Connection	4	AA67029	25	AAB1001	40 & 47	AAB1109	40 & 47
Ring Seal Fittings	6	AA67030	27	AAB1002	41	AAB1110	47
Fitting Locator		AA67031	27	AAB1003	48	AAB1111	40 & 47
(By Type of Fitting)	8	AA67032	30	AAB1004	41	AAB1112	47
37° Flared Tube Fittings	10	AA67033	30	AAB1005	42	AAB1113	41
37° Flare to Straight		AA67034	32	AAB1007	41	AAB1114	42
Thread	20	AA67035	30	AAB1008	47	AAB1115	42
Assembly Instructions		AA67036	31	AAB1013	44	AAB1116	42
For adjustable style		AA67037	32	AAB1014	44	AAB1117	42
fittings in straight thread		AA67038	56	AAB1016	41	AAB1118	42
"O" ring bosses	22	AA67039	14	AAB1017	44	AAB1119	42
Swivel Nut Fittings	23	AA67040	52	AAB1020	46	AAB1120	42
37° Flare Components	30	AA67041	51	AAB1021	46	AAB1121	43
MS Boss Fittings	33	AA67042	54	AAB1022	44	AAB1122	43
Orifice Fittings	35	AA67043	55	AAB1023	44	AAB1123	43
Pipe Information	37	AA67044	53	AAB1024	45	AAB1124	43
Weld Ends	40	AA67045	53	AAB1025	45	AAB1125	48
Machine Flares	43	AA67046	52	AAB1026	45		
Industrial Pipe Fittings &		AA67047	52	AAB1027	45		
Straight Thread		AA67048	53	AAB1028	45		
Adapters	49	AA67049	55	AAB1029	45		
Stainless Steel Weight		AA67050	55	AAB1030	45		
Chart	59	AA67051	31	AAB1031	45		
		AA67052	53	AAB1032	45		
		AA67053	56	AAB1033	46		
		AA67054	57	AAB1035	44		
		AA67055	57	AAB1036	40 & 47		
		AA67056	57	AAB1038	40 & 47		
		AA67057	58	AAB1045	46		
		AA67058	58	AAB1048	44		

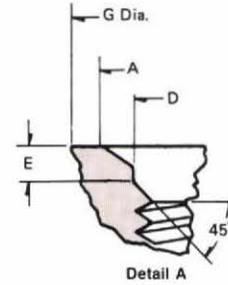
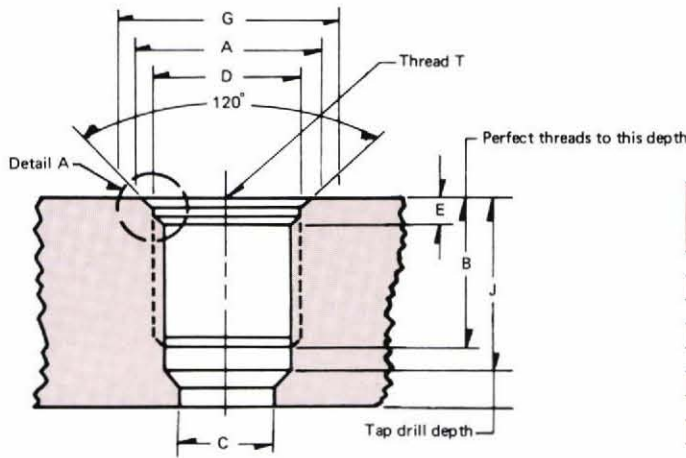
Fitting Locator by Part Number

Part Number	Page	Part Number	Page	Part Number	Page
AA67000	15	AA67059	34	AAB1053	48
AA67001	16	AA67060	34	AAB1054	48
AA67002	17	AA67061	34	AAB1055	48
AA67003	17	AA67062	34	AAB1056	46
AA67004	17	AA67073	31	AAB1057	46
AA67005	18	AA67074	51	AAB1058	42
AA67006	10	AA67075	51	AAB1064	42
AA67007	11	AA67076	52	AAB1065	42
AA67008	11	AA67077	54	AAB1066	42
AA67009	12	AA67078	54	AAB1070	41
AA67010	12	AA67079	51	AAB1072	41
AA67011	13	AA67080	56	AAB1073	41
AA67012	13	AA67081	23	AAB1074	47
AA67013	14	AA67082	23	AAB1076	47
AA67014	14	AA67083	26	AAB1077	42
AA67015	15	AA67084	27	AAB1078	46
AA67016	15	AA67086	23	AAB1079	42
AA67017	18	AA67095	28	AAB1080	41
AA67018	18	AA67104	33	AAB1083	42
AA67019	19	AA67106	28	AAB1084	42
AA67020	19	AA67108	24	AAB1090	46
AA67021	19	AA67109	24	AAB1091	47
AA67022	20	AA67110	24	AAB1092	40 & 47
AA67023	20	AA67111	25	AAB1093	41
AA67024	21	AA67113	28	AAB1097	48
AA67025	21	AA67115	26	AAB1099	41
				AAB1126	44
				AAB1127	44
				AAB1128	44
				AAB1129	44
				AAB1130	44
				AAB1131	45
				AAB1132	45
				AAB1133	45
				AAB1134	45
				AAB1135	45
				AAB1136	45
				AAB1137	45
				AAB1138	45
				AAB1139	45
				AAB1140	46
				AAB1141	46
				AAB1142	46
				AAB1143	46
				AAB1144	46
				AAB1145	46
				AAB1146	46
				AAB1147	46
				AAB1148	46
				AAB1149	43
				AAB1150	43
				AAB2000	43



Fitting Data

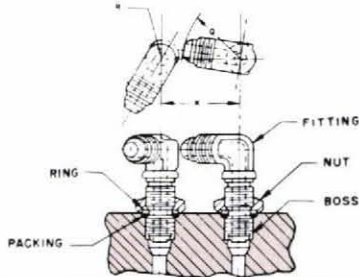
MS33649 internal straight thread BOSS (Supersedes AND 10050)



Extracted from MS33649. Illustrations and tables for descriptive purposes only. Detailed specifications supplied upon request.

TUBE O.D.	THREAD T	A	B	C	D	E	G	J
1/8	5/16-24	.438	.482	.062	.328	.063	.602	.577
3/16	3/8-24	.500	.538	.125	.390	.063	.665	.583
1/4	7/16-20	.562	.568	.172	.454	.075	.728	.656
5/16	1/2-20	.625	.568	.234	.517	.075	.790	.656
3/8	9/16-18	.688	.598	.297	.580	.083	.852	.709
1/2	3/4-16	.875	.714	.391	.769	.094	1.040	.834
5/8	7/8-14	1.000	.802	.484	.896	.107	1.165	.930
3/4	1 1/16-12	1.234	.877	.609	1.086	.125	1.415	1.064
1	1 1/8-12	1.487	.877	.844	1.336	.125	1.665	1.064
1 1/4	1 1/2-12	1.800	.877	1.078	1.648	.125	1.978	1.116
1 1/2	1 3/4-12	2.050	.877	1.312	1.898	.125	2.228	1.127
1 3/4	2 1/4-12	2.425	.877	1.547	2.273	.125	2.602	1.243
2	2 1/2-12	2.675	.907	1.781	2.524	.125	2.852	1.368

Design Standard for Hydraulic Boss Spacing

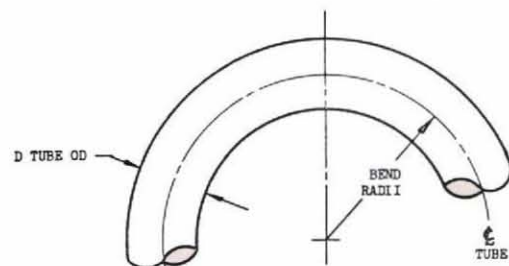


DASH NO. REF.	R	Q	K MIN. (1)
2	0.181	0.828	1.040
3	0.225	0.893	1.149
4	0.252	0.957	1.240
5	0.296	1.022	1.349
6	0.322	1.089	1.442
8	0.434	1.360	1.825
10	0.489	1.569	2.089
12	0.586	1.795	2.412
16	0.727	1.973	2.731
20	0.894	2.229	3.154
24	1.034	2.428	3.493
28	1.243	2.720	3.994
32	1.375	2.905	4.311

(1) DIMENSION K=R+Q+.031

When different size bosses are used, maintain minimum spacing equal to R of small fitting plus Q of large fitting plus .031. Dimensions in inches unless otherwise specified (Extracted from MS21343).

Recommended Bend Radii for Hydraulic Tubing



TUBE O.D.	RECOMMENDED BEND RADII	
	3D	4D
1/8	0.375	0.500
3/16	0.563	0.750
1/4	0.750	1.000
5/16	0.938	1.250
3/8	1.125	1.500
7/16	1.312	1.750
1/2	1.500	2.000
5/8	1.875	2.500
3/4	2.250	3.000
1	3.000	4.000
1 1/4	3.750	5.000
1 1/2	4.500	6.000
2	6.000	8.000

(Extracted from MS33611)

Fitting Data

Stainless Steel Torquing Values

TORQUING VALUES IN INCH POUNDS

TYPES OF FITTINGS		ADJUSTABLE FITTINGS BOSS ENTRY FITTINGS		TUBE ASSEMBLIES SWIVEL FITTINGS		BULKHEAD NUT	
DASH SIZE	TUBE OD	MIN	MAX	MIN	MAX	MIN	MAX
02	.125	20	30	75	85	25	30
03	.188	30	45	95	105	45	60
04	.250	55	80	135	150	75	100
05	.313	65	100	170	200	95	125
06	.375	100	150	270	300	150	200
08	.500	180	230	450	500	200	250
10	.625	200	300	650	700	285	380
12	.750	420	600	900	1100	450	650
16	1.000	600	840	1200	1400	650	900
20	1.250	720	960	1520	1680	800	1000
24	1.500	840	1080	1900	2100	900	1100
28	1.750	910	1175	2300	2500	900	1100
32	2.000	1000	1300	2660	2940	900	1100

Specifications

Allan Aircraft Fittings conform to standards set by:

- **SAE - Society of Automotive Engineers**
J514 - "Hydraulic Tube Fittings"
- **MIL-F-18866 - "Fittings, Flared Tube, 37° Degree,"** Approved by the Department of defense for use by the Departments of Army, Navy and the Air Force.
- **THREADS:** Straight threads - unified class 2A and 2B
Pipe threads - Dryseal american (National)
Standard Taper (N.P.T.F.)
- **PRESSURE RATING:** 3,000 PSIG Working, 6,000 PSIG Proof,
12,000 Burst for -2 thru -16 fittings
1,500 PSIG Working, 3,000 PSIG Proof,
6,000 PSIG Burst -20 thru -32 fittings
PER MIL-F-18866

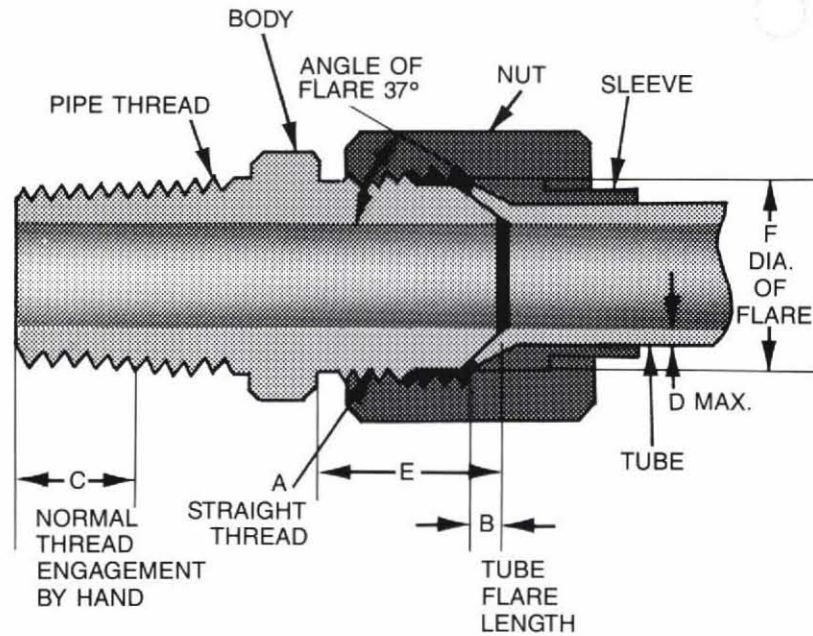
Hydraulic Tubing Information

INSIDE DIAMETERS OF STANDARD SIZE TUBING

Tube O.D.	Wall Thick.	Tube I.D.	Tube O.D.	Wall Thick.	Tube I.D.	Tube O.D.	Wall Thick.	Tube I.D.	Tube O.D.	Wall Thick.	Tube I.D.	
1/8	.028	.069	1/2	.035	.430	7/8	.049	.777	1 1/4	.120	1.010	
	.032	.061		.042	.416		.058	.759		1 1/2	.065	1.370
	.035	.055		.049	.402		.065	.745			.072	1.356
3/16	.032	.1235	5/8	.058	.384	1	.072	.731	1 3/4	.083	1.334	
	.035	.1175		.065	.370		.083	.709		.095	1.310	
	1/4	.035		.180	.072		.356	.095		.685	2	.109
.042		.166	.083	.334	.109	.657	.120	1.260				
.049		.152	.035	.555	.049	.902	1 1/4	.065	1.620			
.058	.134	.042	.541	.058	.884	.072		1.606				
.065	.120	.049	.527	.065	.870	.083		1.584				
5/16	.035	.2425	3/4	.058	.509	1 1/2	.072	.856	2	.095	1.560	
	.042	.2285		.065	.495		.083	.834		.109	1.532	
	.049	.2145		.072	.481		.095	.810		.120	1.510	
3/8	.058	.1965	1	.083	.459	1 3/4	.109	.782	2	.134	1.482	
	.065	.1825		.095	.435		.120	.760		1 1/4	.049	1.152
	1/2	.035		.305	.049		.652	.049			1.152	.058
.042		.291	.058	.634	.058	1.134	.065	1.120				
.049		.277	.065	.620	.065	1.120	.072	1.106				
5/8	.058	.259	1 1/2	.072	.606	2	.083	1.084	2	.095	1.810	
	.065	.245		.083	.584		.083	1.084		.109	1.782	
	3/4	.035		.425	.095		.560	.095		1.060	.120	1.760
.042		.411	.109	.532	.109	1.032	.134	1.732				
.049		.397										

Flared Tube Connections

SIZE	TUBE O.D.	PIPE THREAD	BORE DIA.	STRAIGHT THREAD A	B	C	D	E	F
2	1/8	1/8	.062	3/16-24	.09	.26	.035	.45	.224
3	3/16	1/8	.125	3/16-24	.09	.26	.035	.48	.290
4	1/4	1/8	.172	3/16-20	.11	.26	.065	.55	.359
4-4	1/4	1/4	.172	3/16-20	.11	.40	.065	.55	.359
4-6	1/4	3/8	.172	3/16-20	.11	.40	.065	.55	.359
4-8	1/4	1/2	.172	3/16-20	.11	.53	.065	.55	.359
5	3/16	1/8	.234	1/2-20	.11	.26	.065	.55	.421
5-4	3/16	1/4	.234	1/2-20	.11	.40	.065	.55	.421
6	1/8	1/4	.297	3/8-18	.13	.40	.065	.56	.484
6-2	3/8	1/8	.297	3/8-18	.13	.26	.065	.56	.484
6-6	3/8	3/8	.297	3/8-18	.13	.40	.065	.56	.484
6-8	3/8	1/2	.297	3/8-18	.13	.53	.065	.56	.484
8	1/2	3/8	.391	3/4-16	.16	.40	.083	.66	.656
8-4	1/2	1/4	.391	3/4-16	.16	.40	.083	.66	.656
8-8	1/2	1/2	.391	3/4-16	.16	.53	.083	.66	.656
8-12	1/2	3/4	.391	3/4-16	.16	.54	.083	.66	.656
8-16	1/2	1	.391	3/4-16	.16	.68	.083	.66	.656
10	3/8	1/2	.484	1/2-14	.19	.53	.095	.76	.781
10-6	3/8	3/8	.484	1/2-14	.19	.40	.095	.76	.781
10-12	3/8	3/4	.484	1/2-14	.19	.54	.095	.76	.781
12	3/4	3/4	.609	1 1/8-12	.22	.54	.109	.86	.937
12-4	3/4	1/4	.609	1 1/8-12	.22	.40	.109	.86	.937
12-6	3/4	3/8	.609	1 1/8-12	.22	.40	.109	.86	.937
12-8	3/4	1/2	.609	1 1/8-12	.22	.53	.109	.86	.937
12-16	3/4	1	.609	1 1/8-12	.22	.68	.109	.86	.937
16	1	1	.844	1 3/8-12	.22	.68	.120	.91	1.187
16-8	1	1/2	.844	1 3/8-12	.22	.53	.120	.91	1.187
16-12	1	3/4	.844	1 3/8-12	.22	.54	.120	.91	1.187
20	1 1/4	1 1/4	1.078	1 3/8-12	.25	.70	.120	.96	1.500
20-16	1 1/4	1	1.078	1 3/8-12	.25	.68	.120	.96	1.500
24	1 1/2	1 1/2	1.312	1 3/8-12	.25	.72	.120	1.08	1.721
24-20	1 1/2	1 1/4	1.312	1 3/8-12	.25	.70	.120	1.08	1.721
28	1 3/4	1 1/2	1.547	2 1/4-12	.31	.72	.120	1.21	2.106
32	2	2	1.781	2 1/2-12	.34	.75	.134	1.33	2.356



How To Order

Order Allan Aircraft fittings by Part Number as listed in this catalog.
 EXAMPLE: Fitting needed—316 stainless steel tube union for 1" O.D. tube with mating "B" nuts and sleeves, grooved for seal ring.

PART NUMBER

Allan Aircraft Industrial Fitting _____

Featuring 3-piece design incorporating body, nut and free floating sleeve

Body Pattern Designator _____

001=37° flared union. Body designs available from stock include adaptors, unions, elbows, tees, crosses

Connection Size _____

-16=1" O.D. tube. Connection tube and pipe sizes stocked from -2 through -32 (tube sizes are determined by the number of sixteenths of an inch in the tube O.D. Pipe sizes by the number of eighths of an inch.)

Material _____

Type 316 stainless steel. Most fittings can be supplied in the following alloys:

J—304ss	M—Monel	W—7075 Alum.	N—Nickel 625
K—316ss	T—Titanium	P-17-4PH	Y—Nickel 718
S—347ss	D—Aluminum	V-15-5PH	C-21-6-9, Nitronic 40

Assembly _____

With Mating "B" Nuts and Sleeves. Omit "A" to order fitting body only.

Lockwire Holes _____

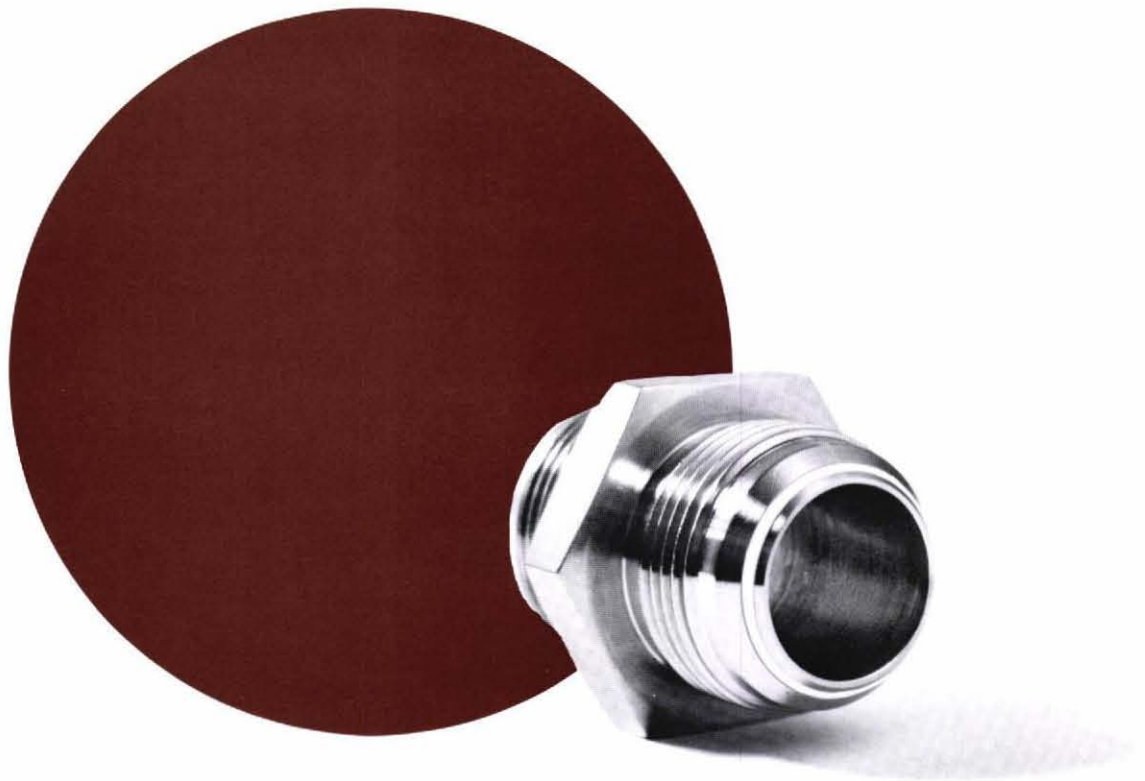
"B" Nut And Swivel Nut Drilled For Lockwire

Groove for Seal Ring _____

Sealing cone grooved for installation of Teflon ring seal. See page 6.

AA67001-16KALG

Ring Seal Fittings



Ring Seal Data

MATERIAL Standard
 Fittings 300 Series Stainless Steel
 Seal Rings Teflon

- See page 4 for **How to Order** information.
- Any Flared End shown in this catalog can have Ring Seal added.

TEMPERATURE (Recommended)
 Teflon Seals +500°F to -320°F

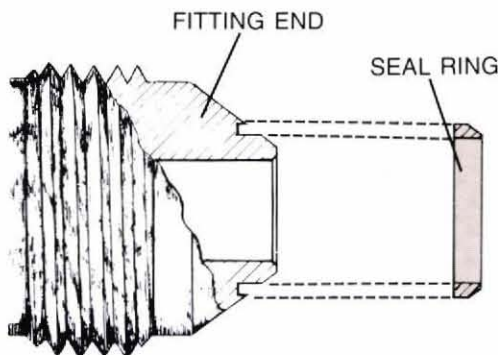
PRESSURE (Static)
 Predicated on using stainless steel fittings and adequate tubing.

Tube O.D.	Maximum Working Pressure LB/IN ²	Tube O.D.	Maximum Working Pressure LB/IN ²	Tube O.D.	Maximum Working Pressure LB/IN ²
1/4	9900	5/8	7200	1 1/4	6300
3/8	6900	3/4	7000	1 1/2	5600
1/2	7400	1	6500	2	5500

TORQUE
 Apply Torque to minimum values. Back off one-quarter turn and retighten to minimum value. If leak occurs, vent line pressure and tighten nut to maximum torque.

TORQUE INCH-POUNDS

Type of Fittings	Adjustable Fittings Boss Entry Fittings		Tube Assemblies Swivel Fittings		Bulkhead Nut		
	Tube O.D.	MIN	MAX	MIN	MAX	MIN	MAX
1/4		55	80	135	185	75	100
3/8		100	150	270	345	150	200
1/2		180	230	450	525	200	250
5/8		200	300	510	700	285	380
3/4		420	600	900	1100	450	650
1		600	840	1200	1400	650	900
1 1/4		720	960	1500	1800	800	1000
1 1/2		840	1080	2000	2300	900	1100
2		1000	1300	3200	3600	900	1100



Ring Seals

Provide superior protection against leakage in difficult to seal applications.

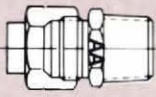
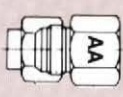
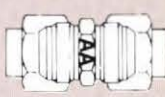
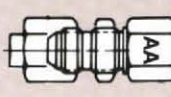
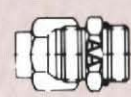

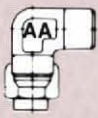
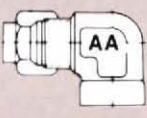
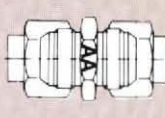
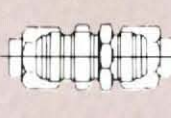
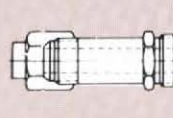
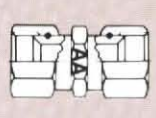
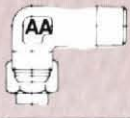
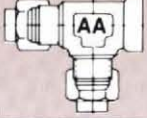
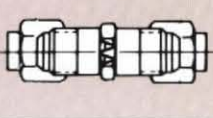
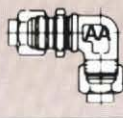
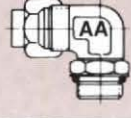
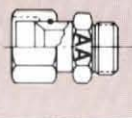
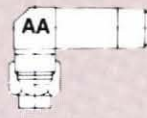
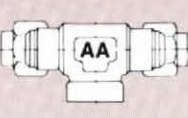
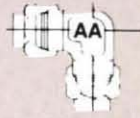
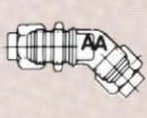

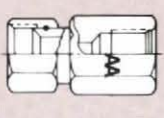

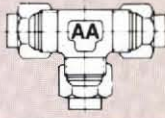
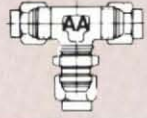
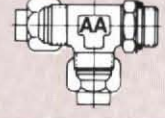
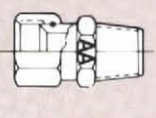
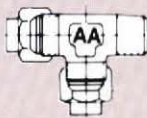
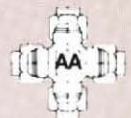
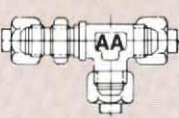
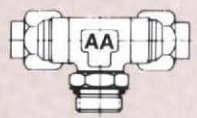
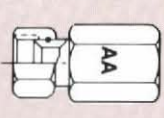
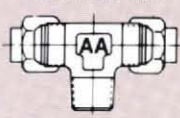
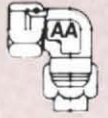
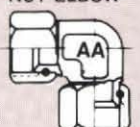
To achieve this superior sealing capability, a groove is machined into the 37° flare, and a seal ring (usually Teflon) is inserted. When assembled with the tubing, the primary seal is metal to metal. A secondary seal is Teflon to metal.

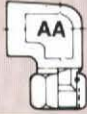
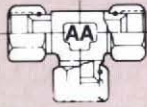

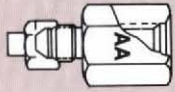
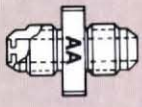


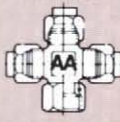

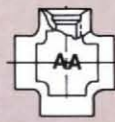
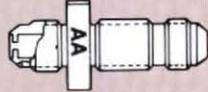




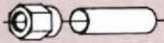




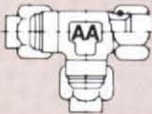


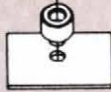
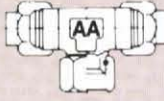


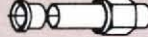
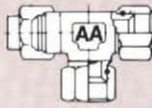

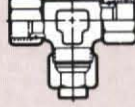
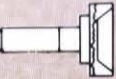
Ask for Ring Seal literature.
 Reference: KSC-SPEC-Z0008D

37° Flared Tube Fittings

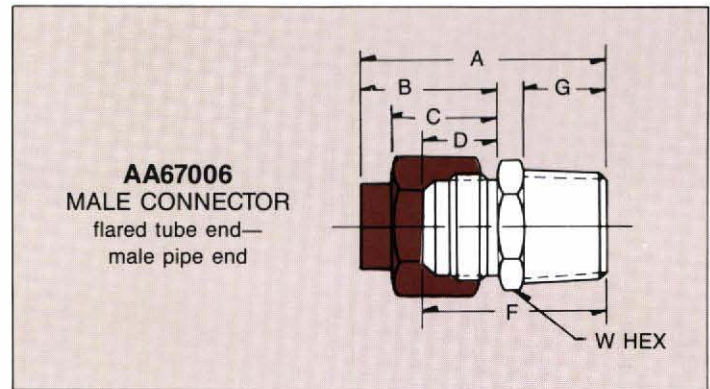


Fitting Locator

37° FLARE TO MALE PIPE	37° FLARE TO FEMALE PIPE	37° FLARE TO 37° FLARE	37° FLARE BULKHEAD	37° FLARE TO SAE O-RING	SWIVEL NUT FITTING
AA67006 p.10 MALE CONNECTOR 	AA67013 p.14 FEMALE CONNECTOR 	AA67000 p.15 UNION 	AA67039 p.14 FEMALE BULKHEAD CONNECTOR 	AA67022 p.20 STRAIGHT THREAD CONNECTOR 	AA67081 p.23 SWIVEL NUT UNION 
AA67007 p.11 MALE ELBOW 	AA67014 p.14 FEMALE ELBOW 	AA67001 p.16 LARGE HEX UNION 	AA67017 p.18 BULKHEAD UNION 	AA67023 p.20 STRAIGHT THREAD LONG CONNECTOR 	AA67082 p.23 DOUBLE SWIVEL NUT UNION 
AA67008 p.11 LONG MALE ELBOW 	AA6015 p.15 FEMALE RUN TEE 	AA67002 p.17 LONG UNION 	AA67018 p.18 BULKHEAD ELBOW 	AA67024 p.21 STRAIGHT THREAD ELBOW 	AA67086 p.23 SWIVEL NUT UNION 
AA67009 p.12 EXTRA LONG MALE ELBOW 	AA67016 p.15 FEMALE BRANCH TEE 	AA67003 p.17 UNION ELBOW 	AA67019 p.19 BULKHEAD 45° ELBOW 	AA67025 p.21 STRAIGHT THREAD 45° ELBOW 	AA67108 p.24 SWIVEL NUT ADAPTOR 
AA67010 p.12 MALE 45° ELBOW 		AA67004 p.17 UNION TEE 	AA67020 p.19 BULKHEAD BRANCH TEE 	AA67026 p.21 STRAIGHT THREAD RUN TEE 	AA67109 p.24 SWIVEL NUT UNION 
AA67011 p.13 MALE RUN TEE 		AA67005 p.18 UNION CROSS 	AA67021 p.19 BULKHEAD RUN TEE 	AA67027 p. 22 STRAIGHT THREAD BRANCH TEE 	AA67110 p.24 SWIVEL NUT UNION 
AA67012 p.13 MALE BRANCH TEE 					AA67028 p.25 SWIVEL NUT ELBOW 
					AA67083 p.26 DOUBLE SWIVEL NUT ELBOW 

SWIVEL NUT FITTING	SWIVEL NUT FITTING	37° FLARE COMPONENTS	MS BOSS FITTING	37° FLARE ORIFICE	WELD ENDS
AA67111 p.25 SWIVEL NUT ELBOW 	AA67095 p.28 TRIPLE SWIVEL NUT TEE 	AA67032 p.30 NUT 	AA67104 p.33 REDUCER-EXPANDER MS BOSS SEAL 	AA1634 p.36 UNION ORIFICE 	p.40 BLANK 
AA67115 p.26 SWIVEL NUT ELBOW 	AA67113 p.28 SWIVEL NUT CROSS 	AA67033 p.30 SLEEVE 	AA67059 p.34 CROSS MS BOSS SEAL 	AA1635 p.36 BULKHEAD UNION ORIFICE 	p.41 BUTT 
AA67029 p.25 SWIVEL NUT 45° ELBOW 		AA67035 p.30 PLUG 	AA67060 p.34 TEE MS BOSS SEAL 		p.44 SOCKET 
AA67131 p.26 DOUBLE SWIVEL NUT ELBOW 		AA67036 p.31 CAP 	AA67061 p.34 90° ELBOW MS BOSS SEAL 		p.47 SADDLE 
AA67030 p.27 SWIVEL NUT RUN TEE 		AA67051 p.31 BULKHEAD LOCKNUT 	AA67062 p.34 45° ELBOW MS BOSS SEAL 		p.48 PILOT 
AA67031 p.27 SWIVEL NUT BRANCH TEE 		AA67073 p.31 TUBE COUPLING 			p.43 MACHINED  FLARES 
AA67084 p.27 DOUBLE SWIVEL NUT TEE 		AA67034 p.32 TUBE END REDUCER 			
AA67106 p.28 DOUBLE SWIVEL NUT TEE 		AA67037 p.32 MOUNTIE 			

37° Flared Tube Fittings

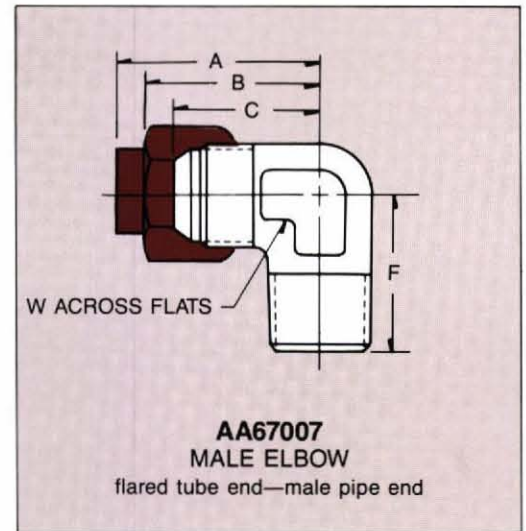


PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C*	D	F	G	W
AA67006-2KA	1/8	1/8	1.51	.76	.64	.45	1.11	.38	7/16
AA67006-3KA	3/16	1/8	1.59	.85	.73	.48	1.14	.38	7/16
AA67006-4KA	1/4	1/8	1.69	.91	.74	.55	1.22	.38	1/2
AA67006-4-4KA	1/4	1/4	1.80	.91	.74	.55	1.42	.57	9/16
AA67006-4-6KA	1/4	3/8	1.82	.91	.74	.55	1.41	.59	3/4
AA67006-4-8KA	1/4	1/2	2.04	.91	.74	.55	1.63	.75	7/8
AA67006-5KA	5/16	1/8	1.71	.96	.85	.55	1.22	.38	9/16
AA67006-5-4KA	5/16	1/4	1.87	.96	.85	.55	1.42	.57	9/16
AA67006-6KA	3/8	1/4	1.95	1.03	.84	.56	1.43	.57	5/8
AA67006-6-2KA	3/8	1/8	1.77	1.03	.84	.56	1.24	.38	5/8
AA67006-6-6KA	3/8	3/8	1.92	1.03	.84	.56	1.43	.59	3/4
AA67006-6-8KA	3/8	1/2	2.21	1.03	.84	.56	1.69	.75	7/8
AA67006-8KA	1/2	3/8	2.06	1.16	.97	.66	1.53	.59	13/16
AA67006-8-4KA	1/2	1/4	2.06	1.16	.97	.66	1.53	.57	13/16
AA67006-8-8KA	1/2	1/2	2.35	1.16	.97	.66	1.79	.75	7/8
AA67006-8-12KA	1/2	3/4	2.45	1.16	.97	.66	1.85	.78	1 1/8
AA67006-8-16KA	1/2	1	2.53	1.16	.97	.66	1.98	.96	1 3/8
AA67006-10KA	5/8	1/2	2.59	1.41	1.14	.76	1.89	.75	1 5/16
AA67006-10-6KA	5/8	3/8	2.40	1.41	1.14	.76	1.70	.59	1 5/16
AA67006-10-12KA	5/8	3/4	2.59	1.41	1.14	.76	1.84	.78	1 1/8
AA67006-12KA	3/4	3/4	2.78	1.47	1.22	.86	2.06	.78	1 1/8
AA67006-12-4KA	3/4	1/4	2.52	1.47	1.22	.86	1.83	.57	1 1/8
AA67006-12-6KA	3/4	3/8	2.54	1.47	1.22	.86	1.84	.59	1 1/8
AA67006-12-8KA	3/4	1/2	2.78	1.47	1.22	.86	2.06	.75	1 1/8
AA67006-12-16KA	3/4	1	2.86	1.47	1.22	.86	2.19	.96	1 3/8
AA67006-16KA	1	1	3.13	1.66	1.29	.91	2.30	.96	1 3/8
AA67006-16-8KA	1	1/2	2.80	1.66	1.29	.91	2.00	.75	1 3/8
AA67006-16-12KA	1	3/4	2.86	1.66	1.29	.91	2.03	.78	1 3/8
AA67006-20KA	1 1/4	1 1/4	3.27	1.75	1.36	.96	2.45	1.00	1 7/16
AA67006-20-16KA	1 1/4	1	3.15	1.75	1.36	.96	2.33	.96	1 7/16
AA67006-24KA	1 1/2	1 1/2	3.83	2.13	1.58	1.08	2.68	1.01	2
AA67006-24-20KA	1 1/2	1 1/4	3.70	2.13	1.58	1.08	2.55	1.00	2
AA67006-28KA	1 3/4	1 1/2	3.90	2.28	1.78	1.21	2.83	1.01	2 3/8
AA67006-32KA	2	2	4.19	2.41	1.90	1.33	3.11	1.04	2 5/8

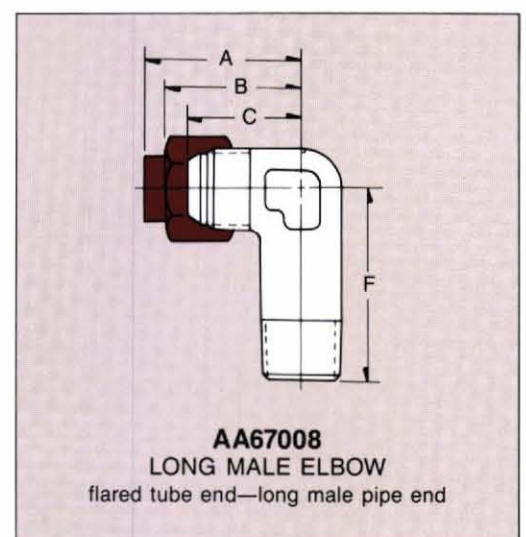
+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.



PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C	F	W
AA67007-2KA	1/8	1/8	1.08	.96	.77	.72	5/16
AA67007-3KA	3/16	1/8	1.20	1.08	.83	.72	3/8
AA67007-4KA	1/4	1/8	1.25	1.08	.89	.78	7/16
AA67007-4-4KA	1/4	1/4	1.41	1.24	1.05	1.09	9/16
AA67007-5KA	5/16	1/8	1.36	1.25	.95	.78	1/2
AA67007-5-4KA	5/16	1/4	1.46	1.35	1.05	1.09	9/16
AA67007-6KA	3/8	1/4	1.53	1.34	1.06	1.09	9/16
AA67007-6-2KA	3/8	1/8	1.53	1.34	1.06	.88	9/16
AA67007-6-6KA	3/8	3/8	1.61	1.43	1.18	1.22	3/4
AA67007-6-8KA	3/8	1/2	1.74	1.56	1.31	1.44	7/8
AA67007-8KA	1/2	3/8	1.75	1.56	1.25	1.22	3/4
AA67007-8-4KA	1/2	1/4	1.75	1.56	1.25	1.21	3/4
AA67007-8-8KA	1/2	1/2	1.84	1.65	1.35	1.47	7/8
AA67007-8-12KA	1/2	3/4	1.92	1.73	1.40	1.59	1 1/16
AA67007-10KA	5/8	1/2	2.10	1.83	1.45	1.47	7/8
AA67007-10-6KA	5/8	3/8	2.10	1.83	1.45	1.30	7/8
AA67007-10-12KA	5/8	3/4	2.18	1.91	1.53	1.59	1 1/16
AA67007-12KA	3/4	3/4	2.27	2.02	1.66	1.59	1 1/16
AA67007-12-8KA	3/4	1/2	2.27	2.02	1.66	1.56	1 1/16
AA67007-12-16KA	3/4	1	2.46	2.19	1.78	1.93	1 5/16
AA67007-16KA	1	1	2.56	2.21	1.81	1.97	1 5/16
AA67007-16-12KA	1	3/4	2.56	2.21	1.81	1.72	1 5/16
AA67007-20KA	1 1/4	1 1/4	2.86	2.48	2.06	2.38	1 5/8
AA67007-20-16KA	1 1/4	1	2.86	2.48	2.06	2.38	1 5/8
AA67007-24KA	1 1/2	1 1/2	3.38	2.85	2.26	2.57	1 7/8
AA67007-24-20KA	1 1/2	1 1/4	3.38	2.85	2.26	2.50	1 7/8
AA67007-28KA	1 3/4	1 1/2	3.88	3.38	2.81	2.78	2 1/4
AA67007-32KA	2	2	4.14	3.65	3.06	3.00	2 9/16



PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C	F
AA67008-2KA	1/8	1/8	1.08	.96	.77	1.00
AA67008-3KA	3/16	1/8	1.20	1.08	.83	1.03
AA67008-4KA	1/4	1/8	1.25	1.08	.89	1.19
AA67008-5KA	5/16	1/8	1.36	1.25	.95	1.22
AA67008-6KA	3/8	1/4	1.53	1.34	1.06	1.56
AA67008-8KA	1/2	3/8	1.75	1.56	1.25	1.78
AA67008-10KA	5/8	1/2	2.10	1.83	1.45	2.16
AA67008-12KA	3/4	3/4	2.27	2.02	1.66	2.41
AA67008-16KA	1	1	2.56	2.21	1.81	2.97
AA67008-20KA	1 1/4	1 1/4	2.86	2.48	2.06	3.66
AA67008-24KA	1 1/2	1 1/2	3.38	2.85	2.33	4.06
AA67008-28KA	1 3/4	1 1/2	3.88	3.38	2.81	4.47
AA67008-32KA	2	2	4.14	3.65	3.06	4.81

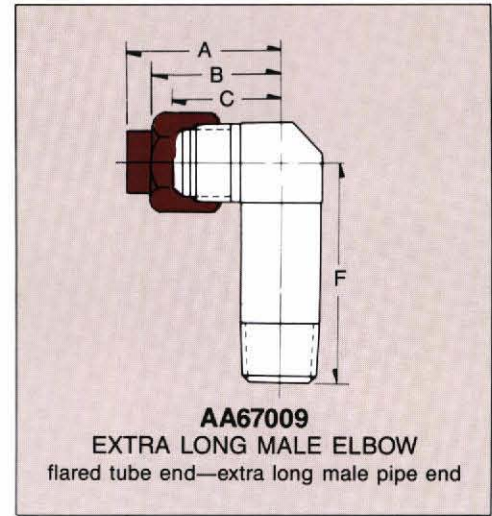


+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.

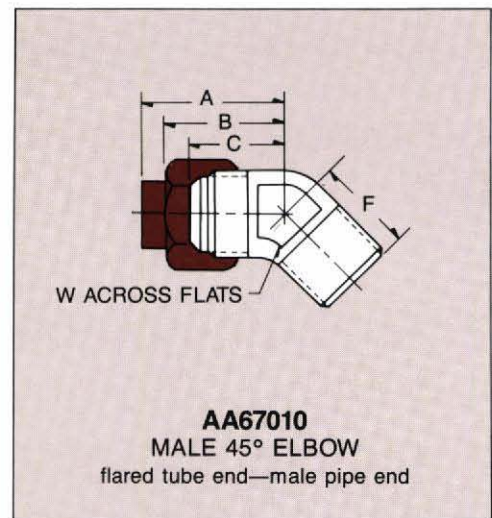
*Asterisk in tables indicates reference dimension.

37° Flared Tube Fittings

PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C	F
AA67009-2KA	1/8	1/8	1.08	.96	.77	1.28
AA67009-3KA	3/16	1/8	1.20	1.08	.83	1.34
AA67009-4KA	1/4	1/8	1.25	1.08	.89	1.56
AA67009-5KA	5/16	1/8	1.36	1.25	.95	1.63
AA67009-6KA	3/8	1/4	1.53	1.34	1.06	2.03
AA67009-8KA	1/2	3/8	1.75	1.56	1.25	2.34
AA67009-10KA	5/8	1/2	2.10	1.83	1.45	2.84
AA67009-12KA	3/4	3/4	2.27	2.02	1.66	3.22
AA67009-16KA	1	1	2.56	2.21	1.81	3.97
AA67009-20KA	1 1/4	1 1/4	2.86	2.48	2.06	4.94
AA67009-24KA	1 1/2	1 1/2	3.38	2.85	2.33	5.50
AA67009-28KA	1 3/4	1 1/2	3.88	3.38	2.81	6.16
AA67009-32KA	2	2	4.14	3.65	3.06	6.63



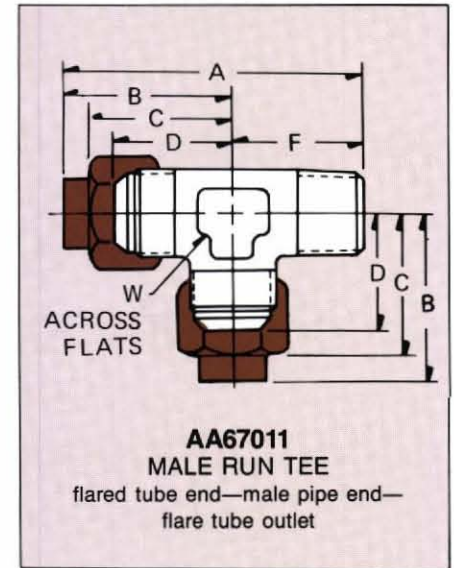
PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C	F	W
AA67010-2KA	1/8	1/8	.97	.85	.66	.52	5/16
AA67010-3KA	3/16	1/8	1.03	.91	.66	.52	3/8
AA67010-4KA	1/4	1/8	1.08	.91	.72	.64	7/16
AA67010-4-4KA	1/4	1/4	1.19	1.02	.83	.86	9/16
AA67010-5KA	5/16	1/8	1.18	1.07	.77	.64	1/2
AA67010-5-4KA	5/16	1/4	1.24	1.09	.80	.86	9/16
AA67010-6KA	3/8	1/4	1.30	1.11	.83	.86	9/16
AA67010-6-2KA	3/8	1/8	1.30	1.11	.83	.69	9/16
AA67010-6-6KA	3/8	3/8	1.41	1.22	.94	.95	3/4
AA67010-6-8KA	3/8	1/2	1.53	1.34	1.02	1.17	7/8
AA67010-8KA	1/2	3/8	1.48	1.29	.98	.95	3/4
AA67010-8-4KA	1/2	1/4	1.48	1.29	.98	.94	3/4
AA67010-8-8KA	1/2	1/2	1.63	1.44	1.08	1.17	7/8
AA67010-8-12KA	1/2	3/4	1.71	1.51	1.21	1.20	1 1/16
AA67010-10KA	5/8	1/2	1.76	1.49	1.11	1.17	7/8
AA67010-10-6KA	5/8	3/8	1.76	1.49	1.11	1.16	7/8
AA67010-10-12KA	5/8	3/4	1.76	1.49	1.11	1.18	1 1/16
AA67010-12KA	3/4	3/4	1.89	1.64	1.28	1.20	1 1/16
AA67010-12-8KA	3/4	1/2	1.89	1.64	1.28	1.19	1 1/16
AA67010-16KA	1	1	2.22	1.87	1.47	1.48	1 5/16
AA67010-16-12KA	1	3/4	2.22	1.87	1.47	1.25	1 5/16
AA67010-20KA	1 1/4	1 1/4	2.39	2.01	1.59	1.67	1 5/8
AA67010-20-16KA	1 1/4	1	2.39	2.01	1.59	1.53	1 5/8
AA67010-24KA	1 1/2	1 1/2	2.83	2.30	1.78	1.72	1 7/8
AA67010-24-20KA	1 1/2	1 1/4	2.83	2.30	1.78	1.65	1 7/8
AA67010-28KA	1 3/4	1 1/2	3.02	2.52	1.95	2.00	2 1/4
AA67010-32KA	2	2	3.30	2.81	2.22	2.11	2 9/16



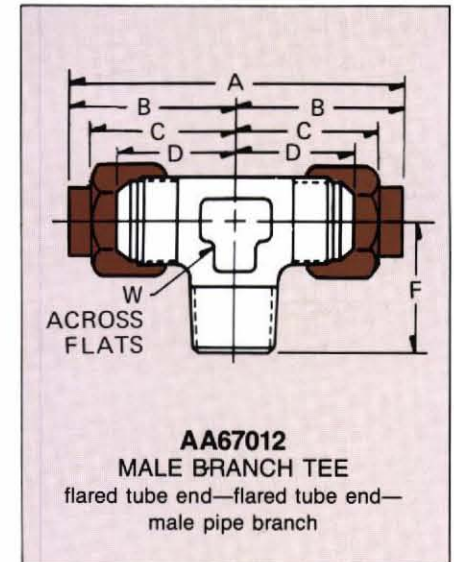
+ Material K316SS • See page 4 for How To Order • Additional sizes available
• Omit "A" from part number to order body only.

*Asterisk in tables indicates reference dimension.

PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C*	D	F	W
AA67011-2KA	1/8	1/8	1.80	1.08	.96	.77	.72	5/16
AA67011-3KA	3/16	1/8	1.92	1.20	1.08	.83	.72	3/8
AA67011-4KA	1/4	1/8	2.03	1.25	1.08	.89	.78	7/16
AA67011-4-4KA	1/4	1/4	2.33	1.33	1.15	.96	1.10	9/16
AA67011-5KA	5/16	1/8	2.14	1.36	1.25	.95	.78	1/2
AA67011-6KA	3/8	1/4	2.62	1.53	1.33	1.06	1.09	9/16
AA67011-8KA	1/2	3/8	2.97	1.75	1.56	1.25	1.22	3/4
AA67011-10KA	5/8	1/2	3.57	2.10	1.83	1.45	1.47	7/8
AA67011-12KA	3/4	3/4	3.86	2.27	2.02	1.66	1.59	1 1/16
AA67011-16KA	1	1	4.53	2.56	2.21	1.81	1.97	1 5/16
AA67011-16-12KA	1	3/4	4.24	2.56	2.21	1.81	1.68	1 5/16
AA67011-20KA	1 1/4	1 1/4	5.24	2.86	2.48	2.06	2.38	1 5/8
AA67011-20-16KA	1 1/4	1	5.04	2.86	2.48	2.06	2.18	1 5/8
AA67011-24KA	1 1/2	1 1/2	5.91	3.38	2.85	2.33	2.53	1 7/8
AA67011-24-20KA	1 1/2	1 1/4	5.84	3.38	2.85	2.33	2.46	1 7/8
AA67011-28KA	1 3/4	1 1/2	6.63	3.88	3.38	2.78	2.75	2 1/4
AA67011-32KA	2	2	7.14	4.14	3.65	3.06	3.00	2 9/16



PART NUMBER +	TUBE O.D.	MALE PIPE THREAD	A*	B*	C*	D	F	W
AA67012-2KA	1/8	1/8	2.16	1.08	.96	.77	.72	5/16
AA67012-3KA	3/16	1/8	2.40	1.20	1.08	.83	.72	3/8
AA67012-4KA	1/4	1/8	2.50	1.25	1.08	.89	.78	7/16
AA67012-4-4KA	1/4	1/4	2.66	1.33	1.15	.96	1.10	9/16
AA67012-5KA	5/16	1/8	2.72	1.36	1.25	.95	.78	1/2
AA67012-6KA	3/8	1/4	3.06	1.53	1.33	1.06	1.09	9/16
AA67012-8KA	1/2	3/8	3.50	1.75	1.56	1.25	1.22	3/4
AA67012-10KA	5/8	1/2	4.20	2.10	1.83	1.45	1.47	7/8
AA67012-12KA	3/4	3/4	4.54	2.27	2.02	1.66	1.59	1 1/16
AA67012-16KA	1	1	5.12	2.56	2.21	1.81	1.97	1 5/16
AA67012-16-12KA	1	3/4	5.12	2.56	2.21	1.81	1.68	1 5/16
AA67012-20KA	1 1/4	1 1/4	5.72	2.86	2.48	2.06	2.38	1 5/8
AA67012-20-16KA	1 1/4	1	5.72	2.86	2.48	2.06	2.18	1 5/8
AA67012-24KA	1 1/2	1 1/2	6.76	3.38	2.85	2.33	2.53	1 7/8
AA67012-24-20KA	1 1/2	1 1/4	6.76	3.38	2.85	2.33	2.46	1 7/8
AA67012-28KA	1 3/4	1 1/2	7.76	3.88	3.38	2.78	2.75	2 1/4
AA67012-32KA	2	2	8.28	4.14	3.65	3.06	3.00	2 9/16

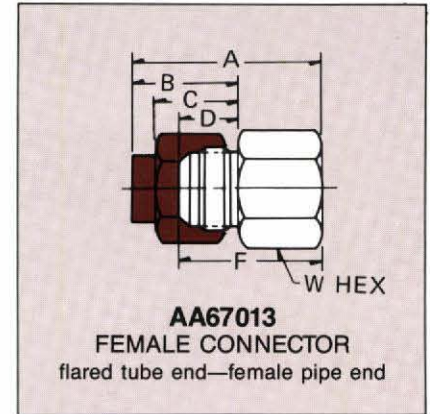


+ Material K316SS • See page 4 for How To Order • Additional sizes available
 • Omit "A" from part number to order body only.

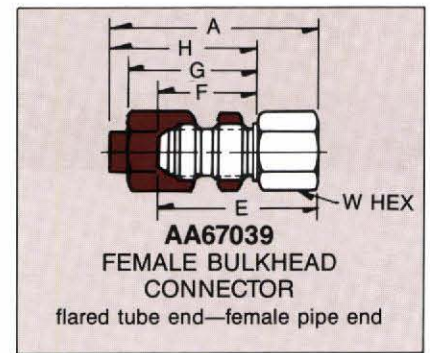
*Asterisk in tables indicates reference dimension.

37° Flared Tube Fittings

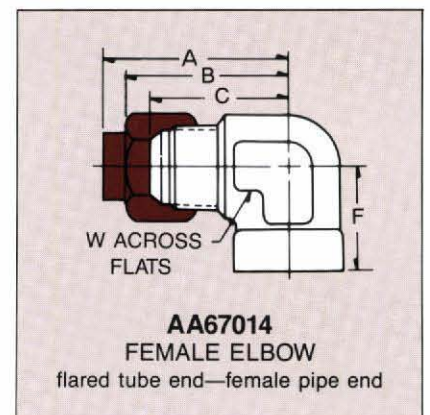
PART NUMBER +	TUBE O.D.	FEMALE PIPE THREAD	A*	B*	C*	D	F	W
AA67013-2KA	1/8	1/8	1.43	.76	.64	.45	1.12	9/16
AA67013-3KA	3/16	1/8	1.50	.85	.73	.48	1.13	9/16
AA67013-4KA	1/4	1/8	1.55	.91	.74	.55	1.19	9/16
AA67013-4-4KA	1/4	1/4	1.74	.91	.74	.55	1.39	3/4
AA67013-5KA	5/16	1/8	1.58	.96	.85	.55	1.17	9/16
AA67013-5-4KA	5/16	1/4	1.75	.96	.85	.55	1.39	3/4
AA67013-6KA	3/8	1/4	1.87	1.03	.84	.56	1.40	3/4
AA67013-6-6KA	3/8	3/8	1.88	1.03	.84	.56	1.46	7/8
AA67013-8KA	1/2	3/8	2.06	1.16	.97	.66	1.56	7/8
AA67013-8-4KA	1/2	1/4	2.05	1.16	.97	.66	1.55	7/8
AA67013-8-8KA	1/2	1/2	2.25	1.16	.97	.66	1.79	1 1/8
AA67013-10KA	5/8	1/2	2.54	1.41	1.14	.76	1.89	1 1/8
AA67013-12KA	3/4	3/4	2.67	1.47	1.22	.86	2.06	1 3/8
AA67013-12-8KA	3/4	1/2	2.52	1.47	1.22	.86	2.05	1 1/8
AA67013-16KA	1	1	3.10	1.66	1.29	.91	2.35	1 5/8
AA67013-20KA	1 1/4	1 1/4	3.32	1.75	1.36	.96	2.49	2
AA67013-24KA	1 1/2	1 1/2	3.67	2.13	1.58	1.08	2.62	2 3/8
AA67013-28KA	1 3/4	1 1/2	3.58	2.28	1.78	1.21	2.50	2 3/8
AA67013-32KA	2	2	4.05	2.41	1.90	1.33	2.97	2 7/8



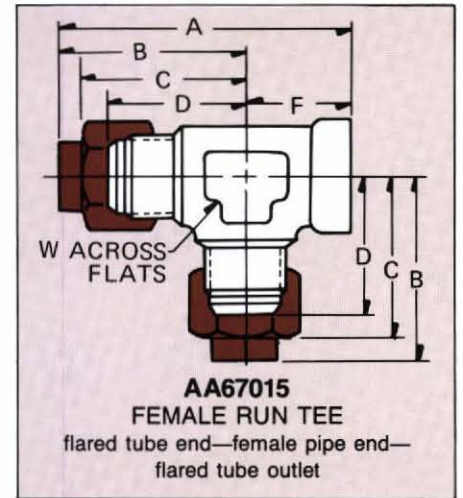
PART NUMBER +	TUBE O.D.	FEMALE PIPE THREAD	A*	E	F	G*	H*	W
AA67039-4KA	1/4	1/8	2.20	1.84	1.23	1.42	1.59	1 1/16
AA67039-5KA	5/16	1/8	2.25	1.84	1.23	1.53	1.64	3/4
AA67039-6KA	3/8	1/4	2.53	2.06	1.31	1.59	1.78	1 3/16
AA67039-8KA	1/2	3/8	2.85	2.34	1.47	1.78	1.97	1
AA67039-10KA	5/8	1/2	3.30	2.66	1.61	1.99	2.26	1 1/8
AA67039-12KA	3/4	3/4	3.52	2.91	1.78	2.14	2.39	1 3/8
AA67039-16KA	1	1	3.84	3.09	1.78	2.17	2.53	1 5/8
AA67039-20KA	1 1/4	1 1/4	4.01	3.20	1.83	2.23	2.62	2



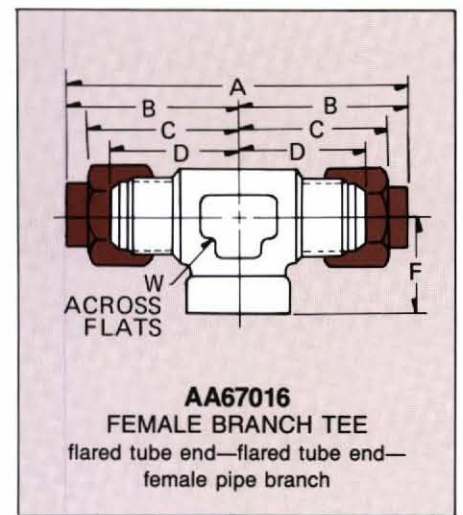
PART NUMBER +	TUBE O.D.	FEMALE PIPE THREAD	A*	B*	C	F	W
AA67014-2KA	1/8	1/8	1.31	1.19	1.00	.66	9/16
AA67014-3KA	3/16	1/8	1.40	1.28	1.03	.66	9/16
AA67014-4KA	1/4	1/8	1.44	1.27	1.08	.66	9/16
AA67014-4-4KA	1/4	1/4	1.58	1.41	1.22	.88	3/4
AA67014-5KA	5/16	1/8	1.49	1.38	1.08	.66	9/16
AA67014-5-4KA	5/16	1/4	1.63	1.52	1.22	.88	3/4
AA67014-6KA	3/8	1/4	1.70	1.51	1.23	.88	3/4
AA67014-6-2KA	3/8	1/8	1.53	1.34	1.06	.64	9/16
AA67014-6-6KA	3/8	3/8	1.78	1.59	1.31	1.02	7/8
AA67014-8KA	1/2	3/8	1.92	1.73	1.42	1.02	7/8
AA67014-8-4KA	1/2	1/4	1.75	1.56	1.25	.89	3/4
AA67014-8-8KA	1/2	1/2	1.88	1.69	1.38	1.23	1 1/16
AA67014-10KA	5/8	1/2	2.29	2.02	1.64	1.23	1 1/16
AA67014-12KA	3/4	3/4	2.50	2.25	1.89	1.36	1 5/16
AA67014-12-8KA	3/4	1/2	2.27	2.02	1.66	1.23	1 1/16
AA67014-16KA	1	1	2.92	2.57	2.17	1.62	1 5/8
AA67014-20KA	1 1/4	1 1/4	3.13	2.75	2.33	1.70	1 1/8
AA67014-24KA	1 1/2	1 1/2	3.94	3.41	2.89	2.08	2 9/16
AA67014-28KA	1 3/4	1 1/2	4.07	3.57	3.00	2.08	2 9/16
AA67014-32KA	2	2	4.38	3.89	3.30	2.39	2 13/16



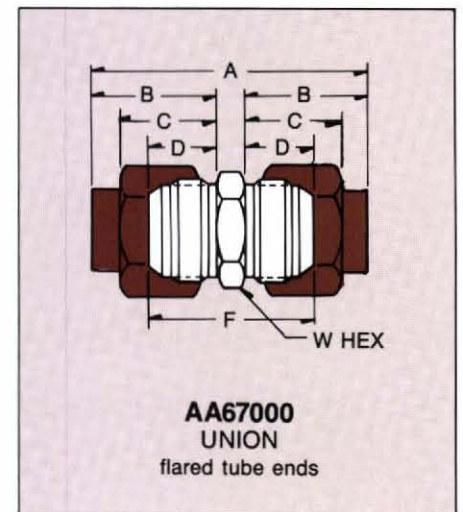
PART NUMBER +	TUBE O.D.	FEMALE PIPE THREAD	A*	B*	C*	D	F	W
AA67015-2KA	1/8	1/8	1.97	1.31	1.19	1.00	.66	9/16
AA67015-3KA	3/16	1/8	2.06	1.40	1.28	1.03	.66	9/16
AA67015-4KA	1/4	1/8	2.10	1.44	1.27	1.08	.66	9/16
AA67015-5KA	5/16	1/8	2.15	1.49	1.38	1.08	.66	9/16
AA67015-6KA	3/8	1/4	2.58	1.70	1.51	1.23	.88	3/4
AA67015-8KA	1/2	3/8	2.94	1.92	1.73	1.42	1.02	7/8
AA67015-10KA	5/8	1/2	3.52	2.29	2.02	1.64	1.23	1 1/16
AA67015-12KA	3/4	3/4	3.86	2.50	2.25	1.89	1.36	1 5/16
AA67015-16KA	1	1	4.54	2.92	2.57	2.17	1.62	1 5/8
AA67015-20KA	1 1/4	1 1/4	4.83	3.13	2.75	2.33	1.70	1 7/8
AA67015-24KA	1 1/2	1 1/2	6.02	3.94	3.41	2.89	2.08	2 9/16
AA67015-28KA	1 3/4	1 1/2	6.15	4.07	3.57	3.00	2.08	2 9/16
AA67015-32KA	2	2	6.77	4.38	3.89	3.30	2.39	2 13/16



PART NUMBER +	TUBE O.D.	FEMALE PIPE THREAD	A*	B*	C*	D	F	W
AA67016-2KA	1/8	1/8	2.62	1.31	1.19	1.00	.66	9/16
AA67016-3KA	3/16	1/8	2.80	1.40	1.28	1.03	.66	9/16
AA67016-4KA	1/4	1/8	2.88	1.44	1.27	1.08	.66	9/16
AA67016-5KA	5/16	1/8	2.98	1.49	1.38	1.08	.66	9/16
AA67016-6KA	3/8	1/4	3.40	1.70	1.51	1.23	.88	3/4
AA67016-8KA	1/2	3/8	3.84	1.92	1.73	1.42	1.02	7/8
AA67016-10KA	5/8	1/2	4.58	2.29	2.02	1.64	1.23	1 1/16
AA67016-12KA	3/4	3/4	5.00	2.50	2.25	1.89	1.36	1 5/16
AA67016-16KA	1	1	5.84	2.92	2.57	2.17	1.62	1 5/8
AA67016-20KA	1 1/4	1 1/4	6.26	3.13	2.75	2.33	1.70	1 7/8
AA67016-24KA	1 1/2	1 1/2	7.88	3.94	3.41	2.89	2.08	2 9/16
AA67016-28KA	1 3/4	1 1/2	8.14	4.07	3.57	3.00	2.08	2 9/16
AA67016-32KA	2	2	8.77	4.38	3.89	3.30	2.39	2 13/16



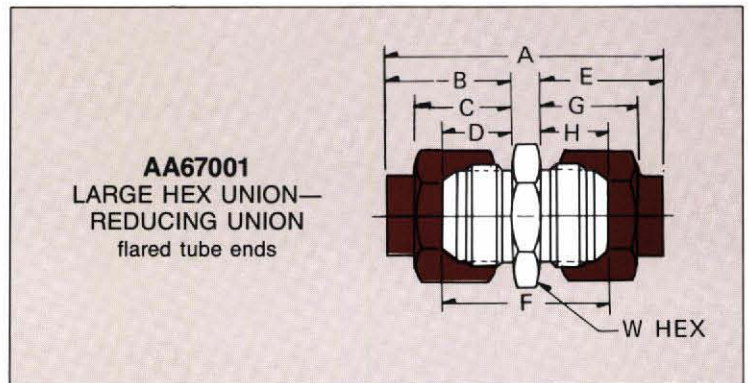
PART NUMBER +	TUBE O.D.	A*	B*	C*	D	F	W
AA67000-2KA	1/8	1.79	.76	.64	.45	1.17	7/16
AA67000-3KA	3/16	1.97	.85	.73	.48	1.23	7/16
AA67000-4KA	1/4	2.09	.91	.74	.55	1.37	1/2
AA67000-5KA	5/16	2.19	.96	.85	.55	1.37	9/16
AA67000-6KA	3/8	2.35	1.03	.84	.56	1.41	5/8
AA67000-8KA	1/2	2.62	1.16	.97	.66	1.62	13/16
AA67000-10KA	5/8	3.18	1.41	1.14	.76	1.88	1 5/16
AA67000-12KA	3/4	3.38	1.47	1.22	.86	2.16	1 1/8
AA67000-16KA	1	3.75	1.66	1.29	.91	2.25	1 3/8
AA67000-20KA	1 1/4	3.89	1.75	1.36	.96	2.43	1 11/16
AA67000-24KA	1 1/2	4.85	2.13	1.58	1.08	2.75	2
AA67000-28KA	1 3/4	4.97	2.28	1.78	1.21	2.83	2 3/8
AA67000-32KA	2	5.48	2.41	1.90	1.33	3.40	2 5/8



+ Material K316SS • See page 4 for How To Order • Additional sizes available
 • Omit "A" from part number to order body only.

*Asterisk in tables indicates reference dimension.

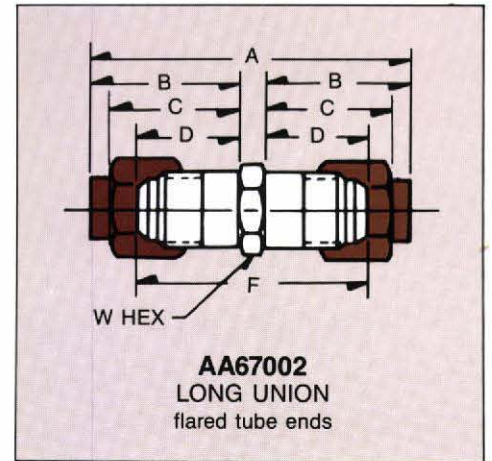
37° Flared Tube Fittings



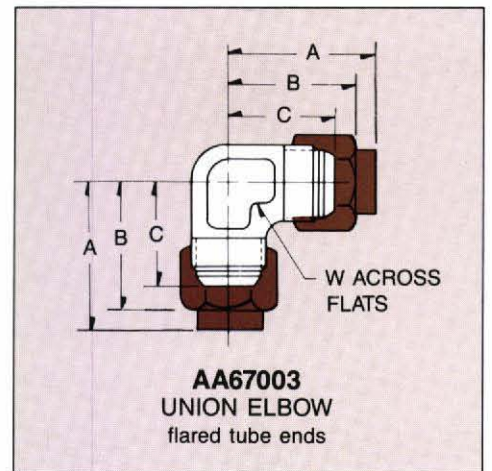
PART NUMBER +	TUBE O.D.	TUBE O.D.	A*	B*	C*	D	E*	F	G*	H	W
AA67001-2KA	1/8	1/8	1.79	.76	.64	.45	.76	1.20	.64	.45	9/16
AA67001-3KA	3/16	3/16	1.97	.85	.73	.48	.85	1.23	.72	.48	5/8
AA67001-4KA	1/4	1/4	2.09	.91	.74	.55	.91	1.27	.74	.55	11/16
AA67001-4-2KA	1/4	1/8	1.95	.91	.74	.55	.76	1.25	.64	.45	11/16
AA67001-4-3KA	1/4	3/16	2.04	.91	.74	.55	.85	1.28	.73	.48	11/16
AA67001-5KA	5/16	5/16	2.19	.96	.85	.55	.96	1.27	.85	.55	3/4
AA67001-5-4KA	5/16	1/4	2.19	.96	.85	.55	.91	1.36	.74	.55	3/4
AA67001-6KA	3/8	3/8	2.35	1.03	.84	.56	1.03	1.39	.84	.56	13/16
AA67001-6-4KA	3/8	1/4	2.30	1.03	.84	.56	.91	1.41	.74	.55	13/16
AA67001-8KA	1/2	1/2	2.62	1.16	.97	.66	1.16	1.58	.97	.66	1
AA67001-8-4KA	1/2	1/4	2.48	1.16	.97	.66	.91	1.53	.74	.55	1
AA67001-8-6KA	1/2	3/8	2.57	1.16	.97	.66	1.03	1.53	.84	.56	1
AA67001-10KA	5/8	5/8	3.18	1.41	1.14	.76	1.41	1.84	1.14	.76	1 1/8
AA67001-10-4KA	5/8	1/4	2.72	1.41	1.14	.76	.91	1.66	.74	.55	1 1/8
AA67001-10-6KA	5/8	3/8	2.81	1.41	1.14	.76	1.03	1.66	.84	.56	1 1/8
AA67001-10-8KA	5/8	1/2	2.96	1.41	1.14	.76	1.16	1.75	.97	.66	1 1/8
AA67001-12KA	3/4	3/4	3.38	1.47	1.22	.86	1.47	2.12	1.22	.86	1 3/8
AA67001-12-4KA	3/4	1/4	2.88	1.47	1.22	.86	.91	1.80	.74	.55	1 3/8
AA67001-12-6KA	3/4	3/8	2.97	1.47	1.22	.86	1.03	1.80	.84	.56	1 3/8
AA67001-12-8KA	3/4	1/2	3.12	1.47	1.22	.86	1.16	1.89	.97	.66	1 3/8
AA67001-16KA	1	1	3.75	1.66	1.29	.91	1.66	2.20	1.29	.91	1 5/8
AA67001-16-4KA	1	1/4	3.02	1.66	1.29	.91	.91	1.84	.74	.55	1 5/8
AA67001-16-6KA	1	3/8	3.33	1.66	1.29	.91	1.03	2.06	.84	.56	1 5/8
AA67001-16-8KA	1	1/2	3.49	1.66	1.29	.91	1.16	2.16	.97	.66	1 5/8
AA67001-16-12KA	1	3/4	3.62	1.66	1.29	.91	1.47	2.16	1.22	.86	1 5/8
AA67001-20KA	1 1/4	1 1/4	3.89	1.75	1.36	.96	1.75	2.30	1.36	.96	1 7/8
AA67001-20-4KA	1 1/4	1/4	3.17	1.75	1.36	.96	.91	1.89	.74	.55	1 7/8
AA67001-20-8KA	1 1/4	1/2	3.41	1.75	1.36	.96	1.16	1.98	.97	.66	1 7/8
AA67001-20-12KA	1 1/4	3/4	3.81	1.75	1.36	.96	1.47	2.25	1.22	.86	1 7/8
AA67001-20-16KA	1 1/4	1	3.91	1.75	1.36	.96	1.66	2.25	1.29	.91	1 7/8
AA67001-24KA	1 1/2	1 1/2	4.85	2.13	1.58	1.08	2.13	2.55	1.58	1.08	2 1/8
AA67001-24-16KA	1 1/2	1	4.24	2.13	1.58	1.08	1.66	2.36	1.29	.91	2 1/8
AA67001-24-20KA	1 1/2	1 1/4	4.39	2.13	1.58	1.08	1.75	2.41	1.36	.96	2 1/8
AA67001-28KA	1 3/4	1 3/4	4.97	2.28	1.78	1.21	2.28	2.83	1.78	1.21	2 1/2
AA67001-32KA	2	2	5.48	2.41	1.90	1.33	2.41	3.08	1.90	1.33	2 3/4
AA67001-32-16KA	2	1	4.61	2.41	1.90	1.33	1.66	2.69	1.29	.91	2 3/4
AA67001-32-24KA	2	1 1/2	5.05	2.41	1.90	1.33	2.13	2.81	1.58	1.08	2 3/4

+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.

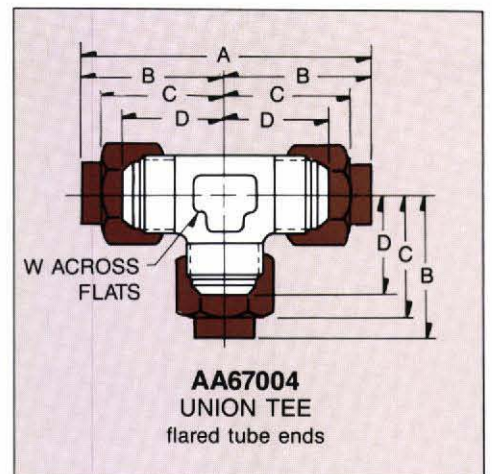
PART NUMBER +	TUBE O.D.	A*	B*	C*	D	F	W
AA67002-2KA	1/8	2.12	.95	.83	.64	1.50	7/16
AA67002-3KA	3/16	2.36	1.07	.95	.70	1.62	7/16
AA67002-4KA	1/4	2.47	1.13	.96	.77	1.75	1/2
AA67002-5KA	5/16	2.69	1.24	1.13	.83	1.87	9/16
AA67002-6KA	3/8	3.03	1.39	1.20	.92	2.09	5/8
AA67002-8KA	1/2	3.46	1.61	1.42	1.11	2.46	13/16
AA67002-10KA	5/8	4.17	1.93	1.66	1.28	2.87	15/16
AA67002-12KA	3/4	4.50	2.06	1.81	1.45	3.28	1 1/8
AA67002-16KA	1	5.09	2.36	2.00	1.61	3.59	1 3/8
AA67002-20KA	1 1/4	5.72	2.63	2.26	1.84	4.09	1 1/2
AA67002-24KA	1 1/2	6.86	3.15	2.60	2.10	4.62	2
AA67002-28KA	1 3/4	7.74	3.68	3.18	2.62	5.62	2 3/8
AA67002-32KA	2	8.55	3.92	3.42	2.84	6.09	2 5/8



PART NUMBER +	TUBE O.D.	A*	B*	C	W
AA67003-2KA	1/8	1.08	.96	.77	5/16
AA67003-3KA	3/16	1.20	1.08	.83	3/8
AA67003-4KA	1/4	1.25	1.08	.89	7/16
AA67003-5KA	5/16	1.36	1.25	.95	1/2
AA67003-6KA	3/8	1.53	1.34	1.06	9/16
AA67003-8KA	1/2	1.75	1.56	1.25	3/4
AA67003-10KA	5/8	2.10	1.83	1.45	7/8
AA67003-12KA	3/4	2.27	2.02	1.66	1 1/16
AA67003-16KA	1	2.56	2.21	1.81	1 5/16
AA67003-20KA	1 1/4	2.85	2.48	2.06	1 5/8
AA67003-24KA	1 1/2	3.38	2.85	2.33	1 7/8
AA67003-28KA	1 3/4	3.88	3.38	2.81	2 1/4
AA67003-32KA	2	4.14	3.65	3.06	2 9/16



PART NUMBER +	TUBE O.D.	A*	B*	C*	D	W
AA67004-2KA	1/8	2.16	1.08	.96	.77	5/16
AA67004-3KA	3/16	2.40	1.20	1.08	.83	3/8
AA67004-4KA	1/4	2.50	1.25	1.08	.89	7/16
AA67004-5KA	5/16	2.72	1.36	1.25	.95	1/2
AA67004-6KA	3/8	3.06	1.53	1.34	1.06	9/16
AA67004-8KA	1/2	3.50	1.75	1.56	1.25	3/4
AA67004-10KA	5/8	4.20	2.10	1.83	1.45	7/8
AA67004-12KA	3/4	4.54	2.27	2.02	1.66	1 1/16
AA67004-16KA	1	5.12	2.56	2.21	1.81	1 5/16
AA67004-20KA	1 1/4	5.72	2.86	2.48	2.06	1 5/8
AA67004-24KA	1 1/2	6.76	3.38	2.85	2.33	1 7/8
AA67004-28KA	1 3/4	7.76	3.88	3.38	2.81	2 1/4
AA67004-32KA	2	8.28	4.14	3.65	3.06	2 9/16

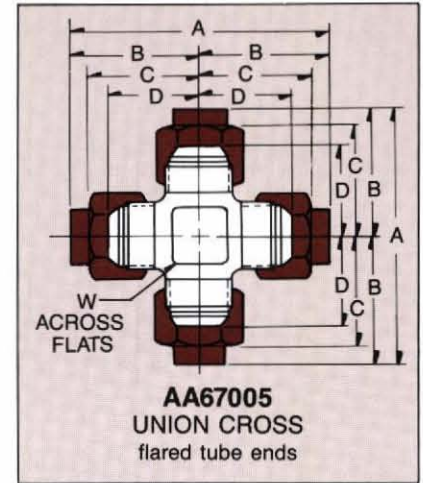


+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.

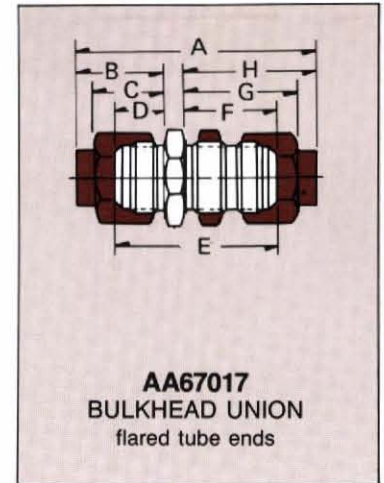
*Asterisk in tables indicates reference dimension.

37° Flared Tube Fittings

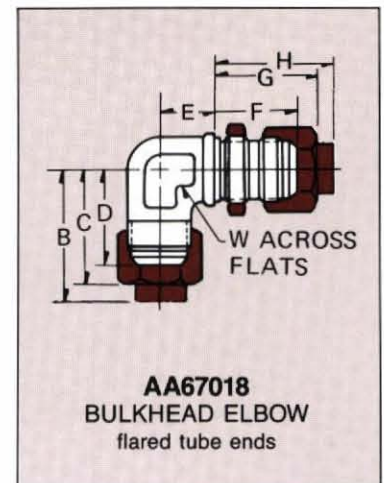
PART NUMBER +	TUBE O.D.	A*	B*	C*	D	W
AA67005-2KA	1/8	2.16	1.08	.96	.77	5/16
AA67005-3KA	3/16	2.40	1.20	1.08	.83	3/8
AA67005-4KA	1/4	2.50	1.25	1.08	.89	7/16
AA67005-5KA	5/16	2.72	1.36	1.25	.95	1/2
AA67005-6KA	3/8	3.06	1.53	1.34	1.06	9/16
AA67005-8KA	1/2	3.50	1.75	1.56	1.25	3/4
AA67005-10KA	5/8	4.20	2.10	1.83	1.45	7/8
AA67005-12KA	3/4	4.54	2.27	2.02	1.66	1 1/16
AA67005-16KA	1	5.12	2.56	2.21	1.81	1 5/16
AA67005-20KA	1 1/4	5.72	2.86	2.48	2.06	1 5/8
AA67005-24KA	1 1/2	6.76	3.38	2.85	2.33	1 7/8
AA67005-28KA	1 3/4	7.76	3.88	3.38	2.81	2 1/4
AA67005-32KA	2	8.28	4.14	3.65	3.06	2 9/16



PART NUMBER +	TUBE O.D.	A*	B*	C*	D	E	F	G*	H*
AA67017-2KA	1/8	2.43	.76	.64	.45	1.81	1.14	1.33	1.45
AA67017-3KA	3/16	2.58	.85	.73	.48	1.84	1.14	1.39	1.51
AA67017-4KA	1/4	2.72	.91	.74	.55	2.02	1.23	1.42	1.59
AA67017-5KA	5/16	2.82	.96	.85	.55	2.02	1.23	1.53	1.64
AA67017-6KA	3/8	3.06	1.03	.84	.56	2.19	1.31	1.59	1.78
AA67017-8KA	1/2	3.40	1.16	.97	.66	2.43	1.47	1.78	1.97
AA67017-10KA	5/8	3.98	1.41	1.14	.76	2.69	1.61	1.99	2.26
AA67017-12KA	3/4	4.26	1.47	1.22	.86	3.03	1.78	2.14	2.39
AA67017-16KA	1	4.57	1.66	1.29	.91	3.07	1.78	2.16	2.53
AA67017-20KA	1 1/4	4.81	1.75	1.36	.96	3.18	1.83	2.23	2.60
AA67017-24KA	1 1/2	5.55	2.13	1.58	1.08	3.33	1.84	2.34	2.89
AA67017-28KA	1 3/4	5.71	2.28	1.78	1.21	3.57	2.00	2.57	3.07
AA67017-32KA	2	6.28	2.41	1.90	1.33	3.85	2.12	2.69	3.20



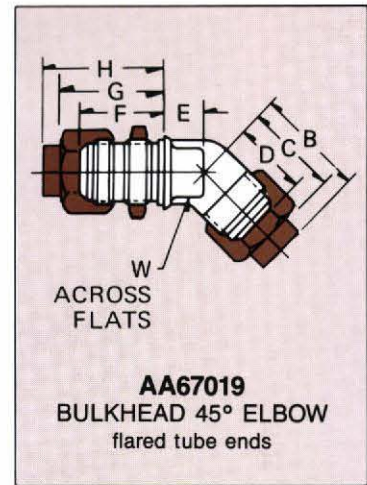
PART NUMBER +	TUBE O.D.	B*	C*	D	E	F	G*	H*	W
AA67018-2KA	1/8	1.15	1.03	.84	.40	1.02	1.21	1.33	5/16
AA67018-3KA	3/16	1.28	1.16	.91	.43	1.02	1.27	1.39	3/8
AA67018-4KA	1/4	1.33	1.16	.97	.48	1.11	1.30	1.47	7/16
AA67018-5KA	5/16	1.44	1.33	1.03	.51	1.11	1.41	1.52	1/2
AA67018-6KA	3/8	1.56	1.37	1.09	.62	1.19	1.47	1.66	9/16
AA67018-8KA	1/2	1.86	1.67	1.36	.73	1.38	1.69	1.88	3/4
AA67018-10KA	5/8	2.21	1.94	1.56	.87	1.52	1.90	2.17	7/8
AA67018-12KA	3/4	2.39	2.14	1.78	.98	1.69	2.05	2.30	1 1/16
AA67018-16KA	1	2.69	2.32	1.94	1.11	1.69	2.09	2.44	1 5/16
AA67018-20KA	1 1/4	2.94	2.57	2.17	1.39	1.73	2.13	2.51	1 5/8
AA67018-24KA	1 1/2	3.39	2.84	2.34	1.67	1.75	2.25	2.80	1 7/8
AA67018-28KA	1 3/4	3.66	3.16	2.59	1.87	1.91	2.48	2.98	2 1/4
AA67018-32KA	2	3.97	3.46	2.89	2.08	2.03	2.60	3.11	2 9/16



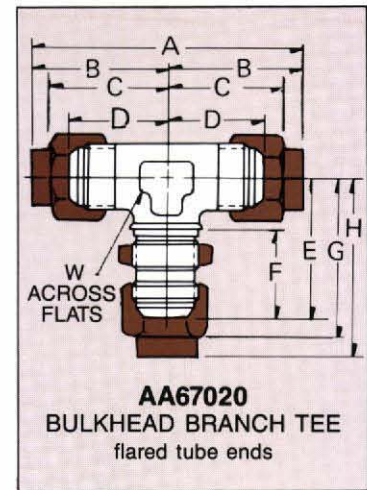
+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.



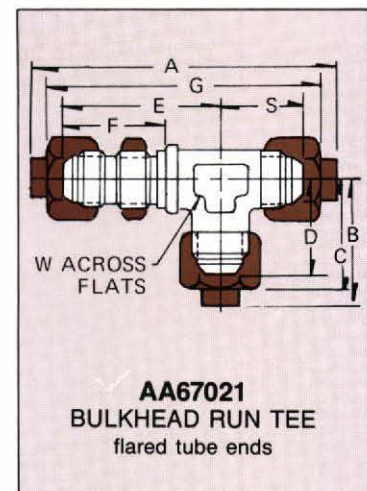
PART NUMBER +	TUBE O.D.	B*	C*	D	E	F	G*	H*	W
AA67019-2KA	1/8	.95	.83	.64	.36	1.02	1.21	1.33	5/16
AA67019-3KA	3/16	1.01	.89	.64	.36	1.02	1.27	1.39	3/8
AA67019-4KA	1/4	1.06	.89	.70	.42	1.11	1.30	1.47	7/16
AA67019-5KA	5/16	1.16	1.05	.75	.42	1.11	1.41	1.52	1/2
AA67019-6KA	3/8	1.28	1.09	.81	.48	1.19	1.47	1.66	9/16
AA67019-8KA	1/2	1.47	1.28	.97	.56	1.38	1.69	1.88	3/4
AA67019-10KA	5/8	1.74	1.47	1.09	.66	1.52	1.90	2.17	7/8
AA67019-12KA	3/4	1.88	1.63	1.27	.75	1.69	2.05	2.30	1 1/16
AA67019-16KA	1	2.20	1.83	1.45	.88	1.69	2.09	2.44	1 5/16
AA67019-20KA	1 1/4	2.36	1.99	1.58	.92	1.73	2.13	2.50	1 5/8
AA67019-24KA	1 1/2	2.82	2.27	1.77	.92	1.75	2.25	2.80	1 7/8
AA67019-28KA	1 3/4	3.02	2.52	1.95	.86	1.91	2.48	2.98	2 1/4
AA67019-32KA	2	3.28	2.77	2.20	.88	2.03	2.60	3.11	2 9/16



PART NUMBER +	TUBE O.D.	A*	B*	C*	D	E	F	G*	H*	W
AA67020-2KA	1/8	2.28	1.14	1.02	.83	1.41	1.02	1.58	1.72	5/16
AA67020-3KA	3/16	2.56	1.28	1.14	.89	1.44	1.02	1.64	1.81	3/8
AA67020-4KA	1/4	2.62	1.31	1.14	.95	1.58	1.11	1.80	1.98	7/16
AA67020-5KA	5/16	2.86	1.43	1.32	1.02	1.61	1.11	1.86	2.04	1/2
AA67020-6KA	3/8	3.10	1.55	1.36	1.08	1.80	1.19	2.09	2.29	9/16
AA67020-8KA	1/2	3.68	1.84	1.65	1.34	2.09	1.38	2.43	2.64	3/4
AA67020-10KA	5/8	4.40	2.20	1.93	1.55	2.38	1.52	2.78	3.04	7/8
AA67020-12KA	3/4	4.76	2.38	2.13	1.77	2.66	1.69	3.07	3.34	1 1/16
AA67020-16KA	1	5.34	2.67	2.32	1.92	2.78	1.69	3.23	3.56	1 5/16
AA67020-20KA	1 1/4	5.90	2.95	2.58	2.16	3.11	1.73	3.60	3.99	1 5/8
AA67020-24KA	1 1/2	6.76	3.38	2.85	2.33	3.41	1.75	3.98	4.51	1 7/8
AA67020-28KA	1 3/4	7.32	3.66	3.16	2.59	3.78	1.91	4.36	4.85	2 1/4
AA67020-32KA	2	7.92	3.96	3.47	2.88	4.09	2.03	4.73	5.23	2 9/16



PART NUMBER +	TUBE O.D.	A*	B*	C*	D	E	F	G*	S	W
AA67021-2KA	1/8	2.80	1.14	1.02	.83	1.41	1.02	2.56	.77	5/16
AA67021-3KA	3/16	3.01	1.26	1.14	.89	1.44	1.02	2.77	.83	3/8
AA67021-4KA	1/4	3.19	1.31	1.14	.95	1.58	1.11	2.85	.89	7/16
AA67021-5KA	5/16	3.38	1.43	1.32	1.02	1.61	1.11	3.16	.95	1/2
AA67021-6KA	3/8	3.80	1.55	1.36	1.08	1.80	1.19	3.42	1.06	9/16
AA67021-8KA	1/2	4.34	1.84	1.65	1.34	2.09	1.38	3.96	1.25	3/4
AA67021-10KA	5/8	5.13	2.20	1.93	1.55	2.38	1.52	4.59	1.45	7/8
AA67021-12KA	3/4	5.54	2.39	2.13	1.77	2.66	1.69	5.04	1.66	1 1/16
AA67021-16KA	1	6.09	2.67	2.32	1.92	2.78	1.69	5.39	1.81	1 5/16
AA67021-20KA	1 1/4	6.75	2.95	2.58	2.16	3.11	1.73	6.01	2.06	1 5/8
AA67021-24KA	1 1/2	7.84	3.38	2.85	2.33	3.41	1.75	6.74	2.33	1 7/8
AA67021-28KA	1 3/4	8.73	3.66	3.16	2.59	3.78	1.91	7.73	2.81	2 1/4
AA67021-32KA	2	9.31	3.96	3.47	2.88	4.09	2.03	8.33	3.06	2 9/16

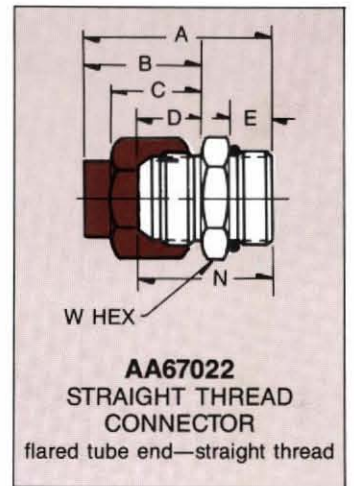


+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.

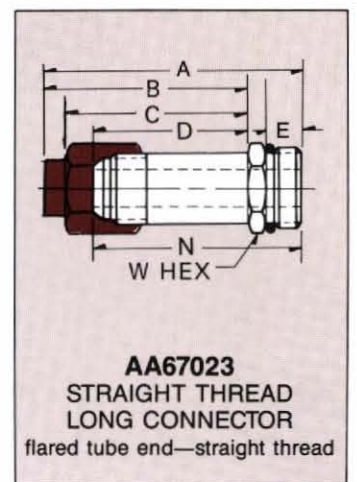
*Asterisk in tables indicates reference dimension.

37° Flare to Straight Thread

PART NUMBER+	TUBE O.D.	STRAIGHT THREAD	A*	B*	C*	D	E	N	W
AA67022-2KA	1/8	5/16-24	1.37	.76	.64	.45	.30	1.06	7/16
AA67022-3KA	3/16	3/8-24	1.47	.85	.73	.48	.30	1.10	1/2
AA67022-4KA	1/4	7/16-20	1.59	.91	.74	.55	.36	1.23	9/16
AA67022-4-5KA	1/4	1/2-20	1.59	.91	.74	.55	.36	1.23	5/8
AA67022-4-6KA	1/4	9/16-18	1.66	.91	.74	.55	.39	1.30	11/16
AA67022-4-8KA	1/4	3/4-16	1.73	.91	.74	.55	.44	1.37	7/8
AA67022-5KA	5/16	1/2-20	1.64	.96	.85	.55	.36	1.23	5/8
AA67022-6KA	3/8	9/16-18	1.77	1.03	.84	.56	.39	1.30	11/16
AA67022-6-4KA	3/8	7/16-20	1.68	1.03	.84	.56	.36	1.18	11/16
AA67022-6-8KA	3/8	3/4-16	1.85	1.03	.84	.56	.44	1.38	7/8
AA67022-6-10KA	3/8	7/8-14	1.97	1.03	.84	.56	.50	1.50	1
AA67022-8KA	1/2	3/4-16	1.98	1.16	.97	.66	.44	1.48	7/8
AA67022-8-6KA	1/2	9/16-18	2.00	1.16	.97	.66	.39	1.44	13/16
AA67022-8-10KA	1/2	7/8-14	2.10	1.16	.97	.66	.50	1.60	1
AA67022-8-12KA	1/2	1 1/16-12	2.26	1.16	.97	.66	.59	1.76	1 1/4
AA67022-10KA	5/8	7/8-14	2.35	1.41	1.14	.76	.50	1.70	1
AA67022-10-8KA	5/8	3/4-16	2.23	1.41	1.14	.76	.44	1.60	15/16
AA67022-10-12KA	5/8	1 1/16-12	2.51	1.41	1.14	.76	.59	1.86	1 1/4
AA67022-12KA	3/4	1 1/16-12	2.58	1.47	1.22	.86	.59	1.97	1 1/4
AA67022-12-8KA	3/4	3/4-16	2.39	1.47	1.22	.86	.44	1.78	1 1/8
AA67022-12-10KA	3/4	7/8-14	2.44	1.47	1.22	.86	.50	1.83	1 1/8
AA67022-12-16KA	3/4	1 5/16-12	2.61	1.47	1.22	.86	.59	2.00	1 1/2
AA67022-16KA	1	1 5/16-12	2.79	1.66	1.29	.91	.59	2.04	1 1/2
AA67022-16-8KA	1	3/4-16	2.63	1.66	1.29	.91	.44	1.88	1 1/2
AA67022-16-12KA	1	1 1/16-12	2.76	1.66	1.29	.91	.59	2.01	1 3/8
AA67022-16-20KA	1	1 5/8-12	2.87	1.66	1.29	.91	.59	2.12	1 7/8
AA67022-20KA	1 1/4	1 5/8-12	2.96	1.75	1.36	.96	.59	2.17	1 7/8
AA67022-20-16KA	1 1/4	1 5/16-12	3.12	1.75	1.36	.96	.59	2.33	1 11/16
AA67022-20-24KA	1 1/4	1 1/8-12	3.03	1.75	1.36	.96	.59	2.24	2 1/8
AA67022-24KA	1 1/2	1 7/8-12	3.42	2.13	1.58	1.08	.59	2.37	2 1/8
AA67022-24-32KA	1 1/2	2 1/2-12	3.58	2.13	1.58	1.08	.59	2.53	2 3/4
AA67022-32KA	2	2 1/2-12	3.86	2.41	1.90	1.33	.59	2.78	2 3/4
AA67022-32-12KA	2	1 1/16-12	3.58	2.41	1.90	1.33	.55	2.50	2 3/4



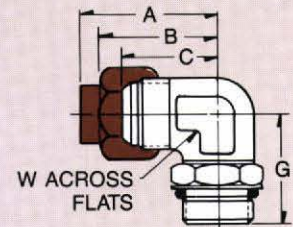
PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A*	B*	C*	D	E	N	W
AA67023-2KA	1/8	5/16-24	2.10	1.48	1.36	1.17	.30	1.79	7/16
AA67023-3KA	3/16	3/8-24	2.24	1.62	1.50	1.25	.30	1.87	1/2
AA67023-4KA	1/4	7/16-20	2.44	1.75	1.58	1.39	.36	2.08	9/16
AA67023-5KA	5/16	1/2-20	2.55	1.86	1.75	1.45	.36	2.14	5/8
AA67023-6KA	3/8	9/16-18	2.78	2.03	1.84	1.56	.39	2.31	11/16
AA67023-8KA	1/2	3/4-16	3.20	2.38	2.19	1.88	.44	2.70	7/8
AA67023-10KA	5/8	7/8-14	3.69	2.47	2.74	2.09	.50	3.04	1
AA67023-12KA	3/4	1 1/16-12	4.22	3.11	2.86	2.50	.59	3.61	1 1/4
AA67023-16KA	1	1 5/16-12	4.73	3.59	3.22	2.84	.59	3.98	1 1/2
AA67023-20KA	1 1/4	1 5/8-12	5.44	4.24	3.87	3.47	.59	4.69	1 7/8
AA67023-24KA	1 1/2	1 7/8-12	6.22	4.93	4.39	3.88	.59	5.17	2 1/8
AA67023-32KA	2	2 1/2-12	7.37	5.92	5.41	4.84	.59	6.29	2 3/4



+ Material K316SS • See page 4 for How To Order • Additional sizes available • Omit "A" from part number to order body only.

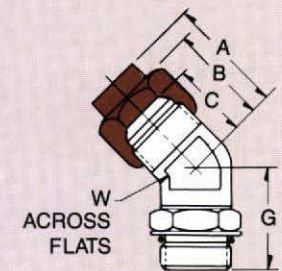


PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A*	B*	C	G	W
AA67024-2KA	1/8	5/16-24	1.08	.96	.77	.91	5/16
AA67024-3KA	3/16	3/8-24	1.20	1.08	.83	.94	3/8
AA67024-4KA	1/4	7/16-20	1.25	1.08	.89	1.03	7/16
AA67024-5KA	5/16	1/2-20	1.36	1.25	.95	1.09	1/2
AA67024-6KA	3/8	9/16-18	1.53	1.34	1.06	1.25	9/16
AA67024-8KA	1/2	3/4-16	1.75	1.56	1.25	1.45	3/4
AA67024-10KA	5/8	7/8-14	2.10	1.83	1.45	1.70	7/8
AA67024-12KA	3/4	1 1/16-12	2.27	2.02	1.66	1.94	1 1/16
AA67024-16KA	1	1 5/16-12	2.56	2.21	1.81	2.05	1 5/16
AA67024-20KA	1 1/4	1 5/8-12	2.86	2.48	2.06	2.25	1 5/8
AA67024-24KA	1 1/2	1 7/8-12	3.38	2.85	2.33	2.39	1 7/8
AA67024-32KA	2	2 1/2-12	4.14	3.65	3.06	2.89	2 9/16



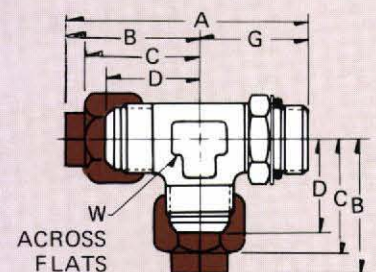
AA67024
STRAIGHT THREAD ELBOW
flared tube end—straight thread
for adjustable positioning

PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A*	B*	C	G	W
AA67025-2KA	1/8	5/16-24	.97	.85	.66	.88	5/16
AA67025-3KA	3/16	3/8-24	1.03	.91	.66	.88	3/8
AA67025-4KA	1/4	7/16-20	1.08	.91	.72	1.05	7/16
AA67025-5KA	5/16	1/2-20	1.18	1.07	.77	1.05	1/2
AA67025-6KA	3/8	9/16-18	1.30	1.11	.83	1.14	9/16
AA67025-8KA	1/2	3/4-16	1.48	1.29	.98	1.30	3/4
AA67025-10KA	5/8	7/8-14	1.76	1.49	1.11	1.52	7/8
AA67025-12KA	3/4	1 1/16-12	1.89	1.64	1.28	1.73	1 1/16
AA67025-16KA	1	1 5/16-12	2.22	1.87	1.47	1.86	1 5/16
AA67025-20KA	1 1/4	1 5/8-12	2.39	2.01	1.59	1.91	1 5/8
AA67025-24KA	1 1/2	1 7/8-12	2.83	2.30	1.78	1.91	1 7/8
AA67025-32KA	2	2 1/2-12	3.30	2.81	2.22	1.86	2 9/16



AA67025
STRAIGHT THREAD 45° ELBOW
flared tube end—straight thread
for adjustable positioning

PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A*	B*	C*	D	G	W
AA67026-2KA	1/8	5/16-24	1.99	1.08	.96	.77	.91	5/16
AA67026-3KA	3/16	3/8-24	2.14	1.20	1.08	.83	.94	3/8
AA67026-4KA	1/4	7/16-20	2.28	1.25	1.08	.89	1.03	7/16
AA67026-5KA	5/16	1/2-20	2.45	1.36	1.25	.95	1.09	1/2
AA67026-6KA	3/8	9/16-18	2.78	1.53	1.34	1.06	1.25	9/16
AA67026-8KA	1/2	3/4-16	3.20	1.75	1.56	1.25	1.45	3/4
AA67026-10KA	5/8	7/8-14	3.80	2.10	1.83	1.45	1.70	7/8
AA67026-12KA	3/4	1 1/16-12	4.21	2.27	2.02	1.66	1.94	1 1/16
AA67026-16KA	1	1 5/16-12	4.61	2.56	2.21	1.81	2.05	1 5/16
AA67026-20KA	1 1/4	1 5/8-12	5.10	2.85	2.48	2.06	2.25	1 5/8
AA67026-24KA	1 1/2	1 7/8-12	5.77	3.38	2.85	2.33	2.39	1 7/8
AA67026-32KA	2	2 1/2-12	7.03	4.14	3.65	3.06	2.89	2 9/16



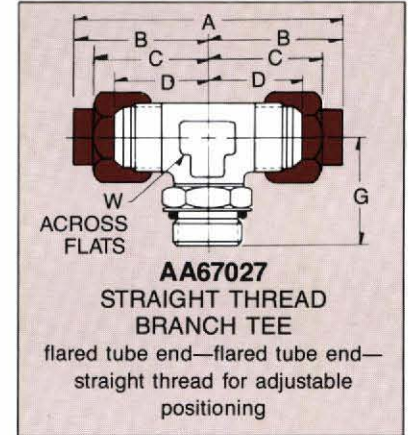
AA67026
STRAIGHT THREAD RUN TEE
flared tube end—straight thread
for adjustable positioning—
flared tube end

+ Material K316SS • See page 4 for How To Order • Additional sizes available
• Omit "A" from part number to order body only.

*Asterisk in tables indicates reference dimension.

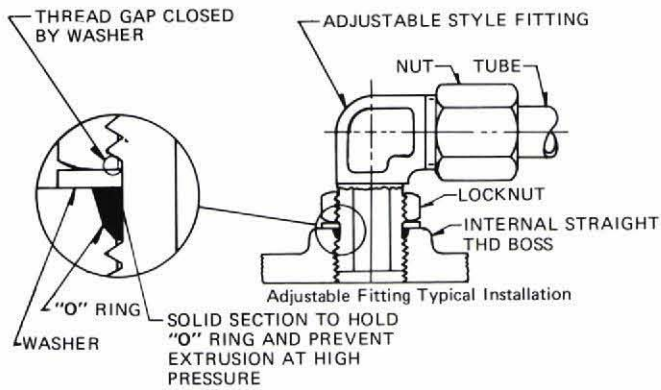
37° Flare to Straight Thread

PART NUMBER+	TUBE O.D.	STRAIGHT THREAD	A*	B*	C*	D	G	W
AA67027-2KA	1/8	5/16-24	2.16	1.08	.96	.77	.91	5/16
AA67027-3KA	3/16	3/8-24	2.40	1.20	1.08	.83	.94	3/8
AA67027-4KA	1/4	7/16-20	2.50	1.25	1.08	.89	1.03	7/16
AA67027-5KA	5/16	1/2-20	2.72	1.36	1.25	.95	1.09	1/2
AA67027-6KA	3/8	9/16-18	3.06	1.53	1.34	1.06	1.25	9/16
AA67027-8KA	1/2	3/4-16	3.50	1.75	1.56	1.25	1.45	3/4
AA67027-10KA	5/8	7/8-14	4.20	2.10	1.83	1.45	1.70	7/8
AA67027-12KA	3/4	1 1/16-12	4.54	2.27	2.02	1.66	1.94	1 1/16
AA67027-16KA	1	1 5/16-12	5.12	2.56	2.21	1.81	2.05	1 5/16
AA67027-20KA	1 1/4	1 5/8-12	5.70	2.85	2.48	2.06	2.25	1 5/8
AA67027-24KA	1 1/2	1 7/8-12	6.76	3.38	2.85	2.33	2.39	1 7/8
AA67027-32KA	2	2 1/2-12	8.28	4.14	3.65	3.06	2.89	2 9/16

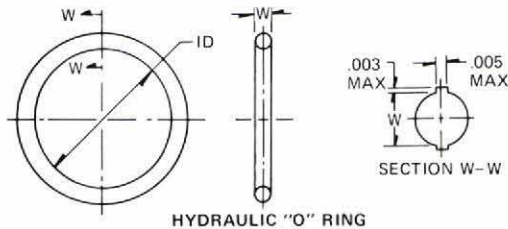


Assembly Instructions

for adjustable style fittings in straight thread "O" ring bosses



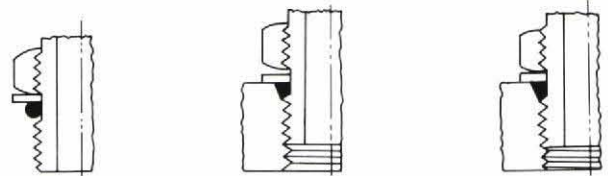
Lubrication—When assembling "O" rings with "O" ring style fittings lubricate the "O" ring with the fluid used in the system.



HYDRAULIC "O" RING

TUBE O.D.	W, WIDTH, DIA	INSIDE DIA
1/8	0.064 ± 0.003	0.239 ± 0.005
3/16	0.064 ± 0.003	0.301 ± 0.005
1/4	0.072 ± 0.003	0.351 ± 0.005
5/16	0.072 ± 0.003	0.414 ± 0.005
3/8	0.078 ± 0.003	0.468 ± 0.005
1/2	0.087 ± 0.003	0.644 ± 0.005
5/8	0.097 ± 0.003	0.755 ± 0.005
3/4	0.116 ± 0.004	0.924 ± 0.006
1	0.116 ± 0.004	1.171 ± 0.006
1 1/4	0.118 ± 0.004	1.475 ± 0.010
1 1/2	0.118 ± 0.004	1.720 ± 0.010
2	0.118 ± 0.004	2.337 ± 0.010

Adjustable end fittings provide **LEAK-PROOF CONNECTIONS, EXACT POSITIONING** in desired direction, **ELIMINATES CRACKING** or **DISTORTING** due to overtightening, and may be used with SAE or AND style boss.

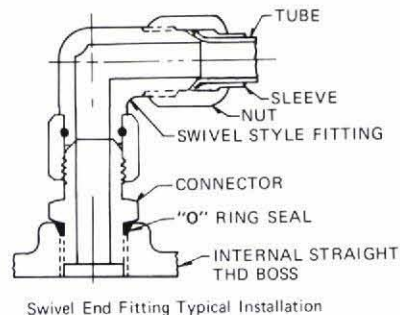


O-ring and back-up washer should be on undercut unthreaded section nearest to locknut (Lubrication of O-ring is recommended.)

Step 1—Screw fitting by hand into straight thread boss until back-up washer contacts face of boss.

Step 2—To position fitting, unscrew as far as necessary (up to one full turn), hold fitting in desired position and tighten locknut with wrench.

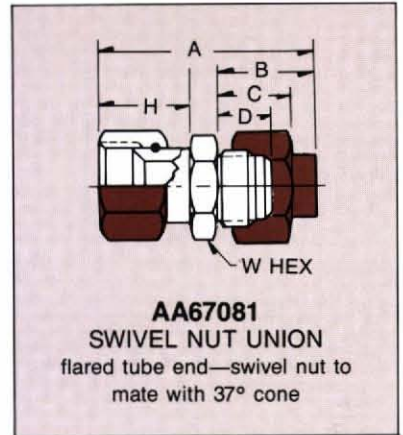
Swivel nut fittings are for use with straight connectors when space limitations in installation will not permit full rotation of the normally used straight thread fitting.



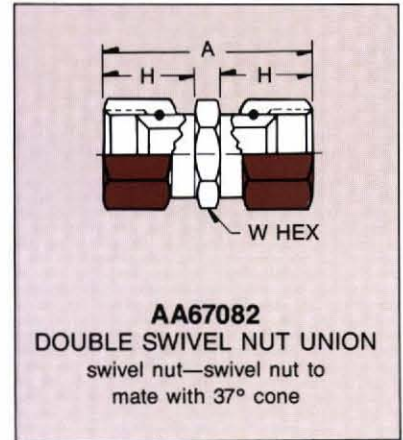
Swivel End Fitting Typical Installation

Swivel Nut Fittings

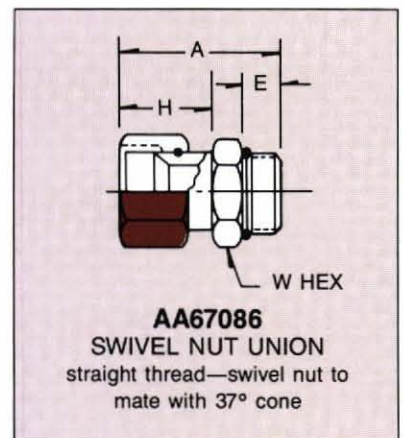
PART NUMBER+	TUBE SIZE	A*	B*	C*	D	H*	W
AA67081-2KA	1/8	1.82	.76	.64	.45	.74	9/16
AA67081-3KA	3/16	1.85	.85	.73	.48	.74	5/8
AA67081-4KA	1/4	1.83	.91	.74	.55	.73	11/16
AA67081-5KA	5/16	1.98	.96	.85	.55	.77	3/4
AA67081-6KA	3/8	2.15	1.03	.84	.56	.85	13/16
AA67081-8KA	1/2	2.36	1.16	.97	.66	.90	1
AA67081-10KA	5/8	2.72	1.41	1.14	.76	.97	1 1/8
AA67081-12KA	3/4	3.01	1.47	1.22	.86	1.09	1 3/8
AA67081-16KA	1	3.24	1.66	1.29	.91	1.19	1 5/8
AA67081-20KA	1 1/4	3.45	1.75	1.36	.96	1.31	1 7/8
AA67081-24KA	1 1/2	4.09	2.13	1.58	1.08	1.37	2 1/8
AA67081-32KA	2	4.85	2.41	1.90	1.33	1.78	2 3/4



PART NUMBER+	TUBE SIZE	A*	H*	W
AA67082-2K	1/8	1.80	.74	9/16
AA67082-3K	3/16	1.71	.74	5/8
AA67082-4K	1/4	1.61	.73	11/16
AA67082-5K	5/16	1.69	.77	3/4
AA67082-6K	3/8	1.97	.85	13/16
AA67082-8K	1/2	2.05	.90	1
AA67082-10K	5/8	2.25	.97	1 1/8
AA67082-12K	3/4	2.49	1.09	1 3/8
AA67082-16K	1	2.74	1.19	1 5/8
AA67082-20K	1 1/4	2.99	1.31	1 7/8
AA67082-24K	1 1/2	3.10	1.37	2 1/8
AA67082-32K	2	3.97	1.78	2 3/4



PART NUMBER+	TUBE O.D.	STRAIGHT THREAD	A*	E	H*	W
AA67086-2K	1/8	5/16-24	1.37	.30	.74	9/16
AA67086-3K	3/16	3/8-24	1.31	.30	.74	5/8
AA67086-4K	1/4	7/16-20	1.24	.36	.73	11/16
AA67086-5K	5/16	1/2-20	1.29	.36	.77	3/4
AA67086-6K	3/8	9/16-18	1.51	.39	.85	13/16
AA67086-8K	1/2	3/4-16	1.58	.44	.90	1
AA67086-10K	5/8	7/8-14	1.78	.50	.97	1 1/8
AA67086-12K	3/4	1 1/16-12	1.99	.59	1.09	1 3/8
AA67086-16K	1	1 5/16-12	2.15	.59	1.19	1 5/8
AA67086-20K	1 1/4	1 5/8-12	2.26	.59	1.31	1 7/8
AA67086-24K	1 1/2	1 7/8-12	2.32	.59	1.37	2 1/8
AA67086-32K	2	2 1/2-12	2.78	.59	1.78	2 3/4



+ Material K316SS • See page 4 for How To Order • Additional sizes available

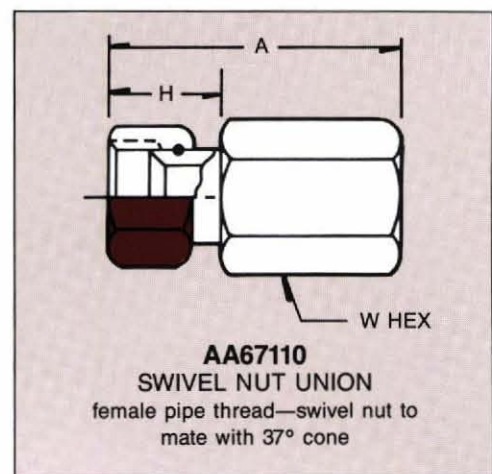
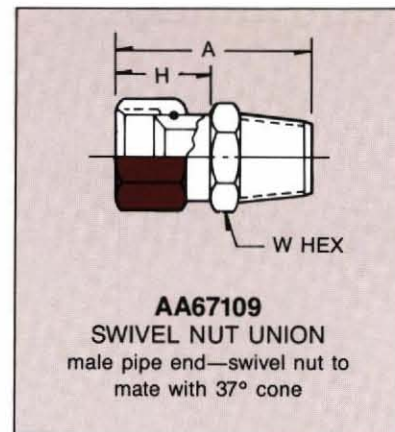
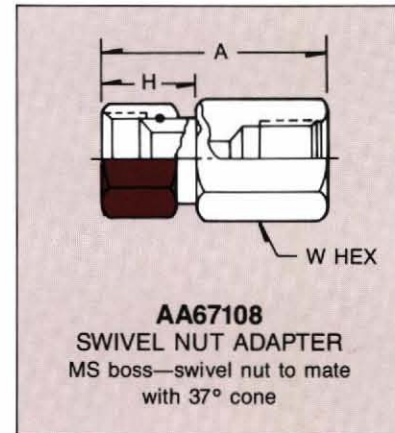
*Asterisk in tables indicates reference dimension.

Swivel Nut Fittings

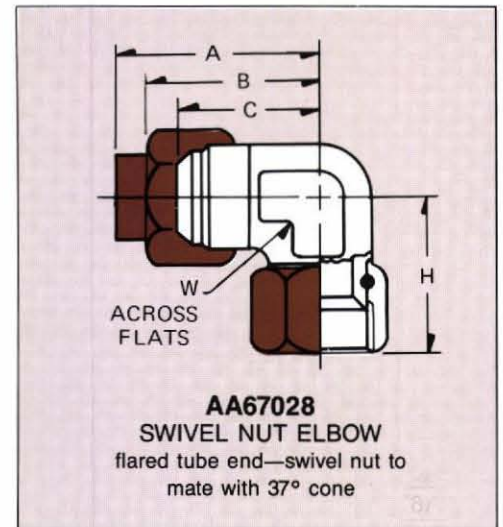
PART NUMBER+	BOSS TUBE O.D.	SWIVEL TUBE O.D.	A*	H*	W
AA67108-4K	1/4	1/4	1.58	.73	1 1/16
AA67108-6K	3/8	3/8	1.69	.85	1 3/16
AA67108-6-4K	3/8	1/4	1.57	.73	1 3/16
AA67108-8K	1/2	1/2	1.93	.90	1
AA67108-8-4K	1/2	1/4	1.76	.73	1
AA67108-8-6K	1/2	3/8	1.88	.85	1
AA67108-10K	5/8	5/8	2.09	.97	1 1/8
AA67108-12K	3/4	3/4	2.35	1.09	1 3/8
AA67108-12-8K	3/4	1/2	2.16	.90	1 3/8
AA67108-16K	1	1	2.56	1.19	1 5/8
AA67108-16-8K	1	1/2	2.27	.90	1 5/8
AA67108-16-12K	1	3/4	2.46	1.09	1 5/8

PART NUMBER+	TUBE SIZE	PIPE SIZE	A*	H*	W
AA67109-2K	1/8	1/8	1.31	.74	7/16
AA67109-3K	3/16	1/8	1.31	.74	7/16
AA67109-4K	1/4	1/8	1.40	.73	1/2
AA67109-4-4K	1/4	1/4	1.58	.73	9/16
AA67109-6K	3/8	1/4	1.75	.85	5/8
AA67109-8K	1/2	3/8	1.72	.90	13/16
AA67109-8-4K	1/2	1/4	1.77	.90	13/16
AA67109-8-8K	1/2	1/2	2.02	.90	7/8
AA67109-10K	5/8	1/2	2.09	.97	15/16
AA67109-12K	3/4	3/4	2.29	1.09	1 1/8
AA67109-16K	1	1	2.58	1.19	1 3/8
AA67109-20K	1 1/4	1 1/4	2.74	1.31	1 11/16
AA67109-24K	1 1/2	1 1/2	2.87	1.37	2
AA67109-32K	2	2	3.54	1.78	2 5/8

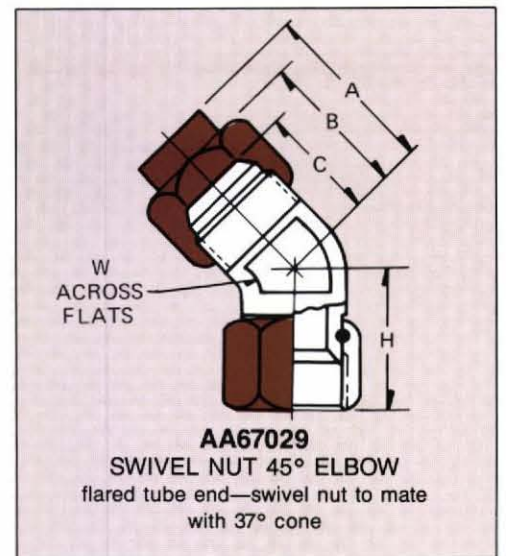
PART NUMBER+	TUBE O.D.	FEMALE PIPE THREAD	A*	H*	W
AA67110-4K	1/4	1/8	1.37	.73	9/16
AA67110-4-4K	1/4	1/4	1.56	.73	3/4
AA67110-6K	3/8	1/4	1.69	.85	3/4
AA67110-8K	1/2	3/8	1.80	.90	7/8
AA67110-8-4K	1/2	1/4	1.79	.90	7/8
AA67110-8-8K	1/2	1/2	1.99	.90	1 1/8
AA67110-10K	5/8	1/2	2.10	.97	1 1/8
AA67110-12K	3/4	3/4	2.29	1.09	1 3/8
AA67110-16K	1	1	2.63	1.19	1 5/8



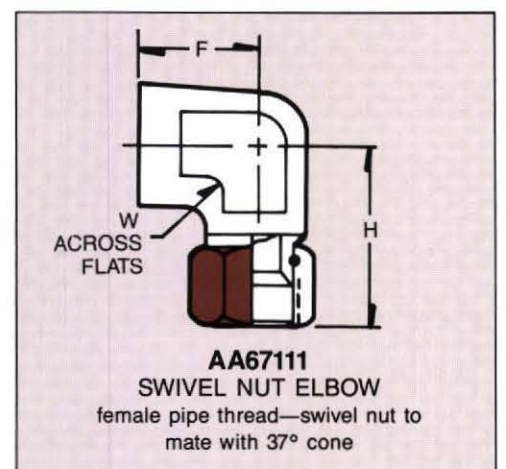
PART NUMBER +	TUBE O.D.	A*	B*	C	H*	W
AA67028-2KA	1/8	1.08	.96	.77	.97	5/16
AA67028-3KA	3/16	1.20	1.08	.83	1.00	3/8
AA67028-4KA	1/4	1.25	1.08	.89	1.00	7/16
AA67028-5KA	5/16	1.36	1.25	.95	1.06	1/2
AA67028-6KA	3/8	1.53	1.34	1.06	1.25	9/16
AA67028-8KA	1/2	1.75	1.56	1.25	1.38	3/4
AA67028-10KA	5/8	2.10	1.83	1.45	1.62	7/8
AA67028-12KA	3/4	2.27	2.02	1.66	1.75	1 1/16
AA67028-16KA	1	2.56	2.21	1.81	2.00	1 5/16
AA67028-20KA	1 1/4	2.85	2.48	2.06	2.31	1 5/8
AA67028-24KA	1 1/2	3.38	2.85	2.33	2.59	1 7/8
AA67028-32KA	2	4.14	3.65	3.06	3.38	2 9/16



PART NUMBER +	TUBE O.D.	A*	B*	C	H*	W
AA67029-2KA	1/8	.97	.85	.66	.94	5/16
AA67029-3KA	3/16	1.03	.91	.66	.94	3/8
AA67029-4KA	1/4	1.08	.91	.72	.94	7/16
AA67029-5KA	5/16	1.18	1.07	.77	1.00	1/2
AA67029-6KA	3/8	1.30	1.11	.83	1.12	9/16
AA67029-8KA	1/2	1.48	1.29	.98	1.28	3/4
AA67029-10KA	5/8	1.76	1.49	1.11	1.44	7/8
AA67029-12KA	3/4	1.89	1.64	1.28	1.50	1 1/16
AA67029-16KA	1	2.22	1.87	1.47	1.75	1 5/16
AA67029-20KA	1 1/4	2.39	2.01	1.59	2.03	1 5/8
AA67029-24KA	1 1/2	2.83	2.30	1.78	2.25	1 7/8
AA67029-32KA	2	3.30	2.81	2.22	2.91	2 9/16



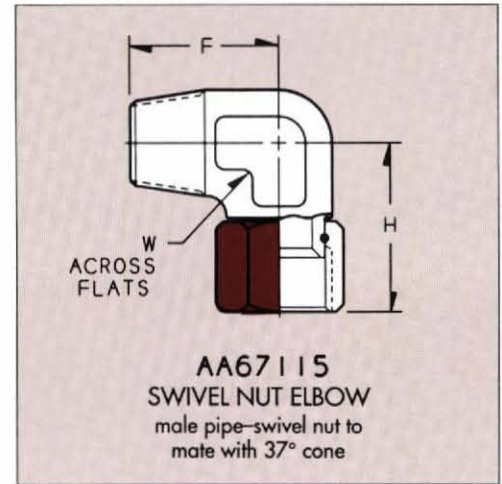
PART NUMBER +	TUBE O.D.	FEMALE PIPE THREAD	F	H*	W
AA67111-4K	1/4	1/8	.63	1.16	9/16
AA67111-4-4K	1/4	1/4	.92	1.21	3/4
AA67111-6K	3/8	1/4	.92	1.42	3/4
AA67111-8K	1/2	3/8	1.02	1.54	7/8
AA67111-8-4K	1/2	1/4	.88	1.37	3/4
AA67111-8-8K	1/2	1/2	1.23	1.54	1 1/16
AA67111-10K	5/8	1/2	1.23	1.71	1 1/16
AA67111-12K	3/4	3/4	1.36	1.95	1 5/16
AA67111-16K	1	1	1.62	2.28	1 5/8



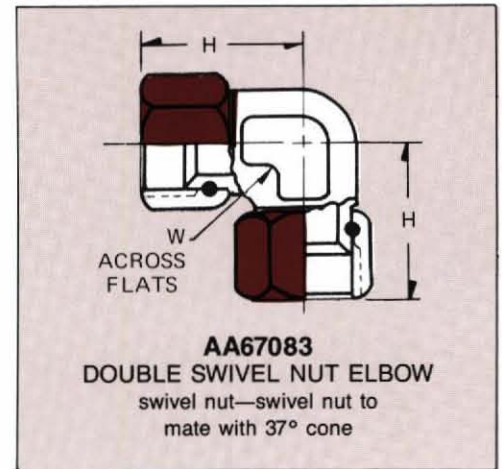
+ Material K316SS • See page 4 for How To Order • Additional sizes available
• Omit "A" from part number to order body only.

Swivel Nut Fittings

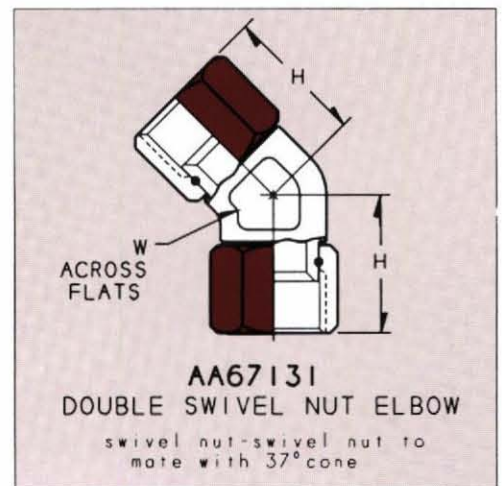
PART NUMBER+	TUBE SIZE	PIPE SIZE	F	H*	W
AA67115-2K	1/8	1/8	.72	.97	9/16
AA67115-3K	3/16	1/8	.72	1.00	3/8
AA67115-4K	1/4	1/8	.78	1.00	11/16
AA67115-4-4K	1/4	1/4	1.09	1.25	3/4
AA67115-5K	5/16	1/8	.78	1.06	13/16
AA67115-6K	3/8	1/4	1.09	1.25	1
AA67115-8K	1/2	3/8	1.22	1.38	1 1/8
AA67115-10K	5/8	1/2	1.47	1.62	1 3/8
AA67115-12K	3/4	3/4	1.59	1.75	1 5/8
AA67115-16K	1	1	1.97	2.00	1 7/8
AA67115-20K	1 1/4	1 1/4	2.38	2.31	2 1/8
AA67115-24K	1 1/2	1 1/2	2.57	2.59	2 3/4
AA67115-32K	2	2	3.00	3.38	2 3/4



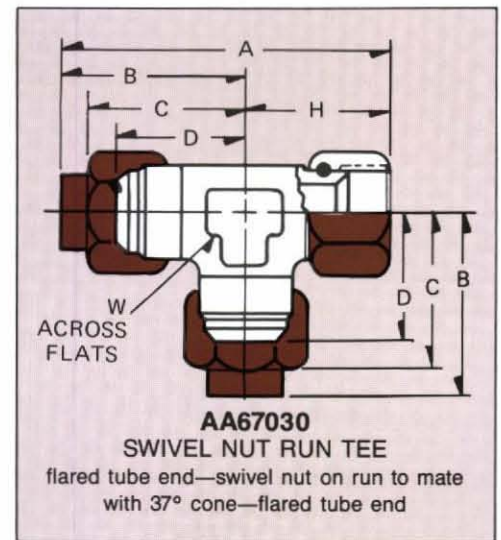
PART NUMBER+	TUBE SIZE	H*	W
AA67083-2K	1/8	1.03	5/16
AA67083-3K	3/16	1.02	3/8
AA67083-4K	1/4	1.01	7/16
AA67083-5K	5/16	1.12	1/2
AA67083-6K	3/8	1.26	9/16
AA67083-8K	1/2	1.39	3/4
AA67083-10K	5/8	1.63	7/8
AA67083-12K	3/4	1.76	1 1/16
AA67083-16K	1	2.01	1 5/16
AA67083-20K	1 1/4	2.42	1 5/8
AA67083-24K	1 1/2	2.60	1 7/8
AA67083-32K	2	3.39	2 9/16



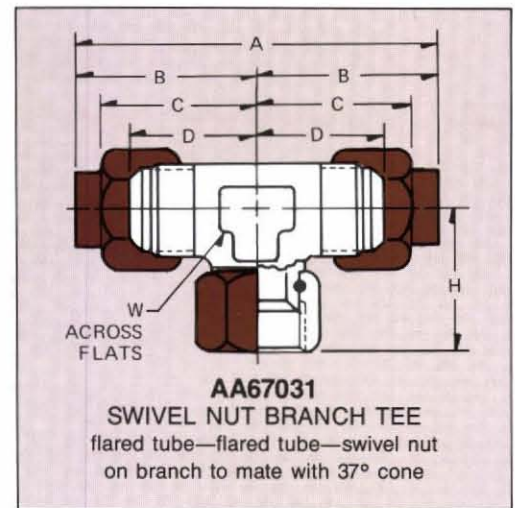
PART NUMBER+	TUBE SIZE	H*	W
AA67131-2K	1/8	.94	5/16
AA67131-3K	3/16	.94	3/8
AA67131-4K	1/4	.94	7/16
AA67131-5K	5/16	1.00	1/2
AA67131-6K	3/8	1.12	9/16
AA67131-8K	1/2	1.28	3/4
AA67131-10K	5/8	1.44	7/8
AA67131-12K	3/4	1.50	1 1/16
AA67131-16K	1	1.75	1 5/16
AA67131-20K	1 1/4	2.03	1 5/8
AA67131-24K	1 1/2	2.25	1 7/8
AA67131-32K	2	2.91	2 9/16



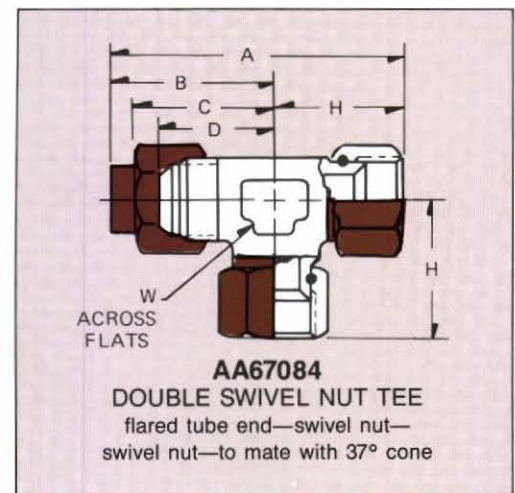
PART NUMBER+	TUBE O.D.	A*	B*	C*	D	H*	W
AA67030-2KA	1/8	2.05	1.08	.96	.77	.97	5/16
AA67030-3KA	3/16	2.20	1.20	1.08	.83	1.00	3/8
AA67030-4KA	1/4	2.25	1.25	1.08	.89	1.00	7/16
AA67030-5KA	5/16	2.42	1.36	1.25	.95	1.06	1/2
AA67030-6KA	3/8	2.78	1.53	1.34	1.06	1.25	9/16
AA67030-8KA	1/2	3.13	1.75	1.56	1.25	1.38	3/4
AA67030-10KA	5/8	3.72	2.10	1.83	1.45	1.62	7/8
AA67030-12KA	3/4	4.02	2.27	2.02	1.66	1.75	1 1/16
AA67030-16KA	1	4.56	2.56	2.21	1.81	2.00	1 5/16
AA67030-20KA	1 1/4	5.16	2.85	2.48	2.06	2.31	1 5/8
AA67030-24KA	1 1/2	5.97	3.38	2.85	2.33	2.59	1 7/8
AA67030-32KA	2	7.52	4.14	3.65	3.06	3.38	2 9/16



PART NUMBER +	TUBE O.D.	A*	B*	C*	D	H*	W
AA67031-2KA	1/8	2.16	1.08	.96	.77	.97	5/16
AA67031-3KA	3/16	2.40	1.20	1.08	.83	1.00	3/8
AA67031-4KA	1/4	2.50	1.25	1.08	.89	1.00	7/16
AA67031-5KA	5/16	2.72	1.36	1.25	.95	1.06	1/2
AA67031-6KA	3/8	3.06	1.53	1.34	1.06	1.25	9/16
AA67031-8KA	1/2	3.50	1.75	1.56	1.25	1.38	3/4
AA67031-10KA	5/8	4.20	2.10	1.83	1.45	1.62	7/8
AA67031-12KA	3/4	4.54	2.27	2.02	1.66	1.75	1 1/16
AA67031-16KA	1	5.12	2.56	2.21	1.81	2.00	1 5/16
AA67031-20KA	1 1/4	5.70	2.85	2.48	2.06	2.31	1 5/8
AA67031-24KA	1 1/2	6.76	3.38	2.85	2.33	2.59	1 7/8
AA67031-32KA	2	8.28	4.14	3.65	3.06	3.38	2 9/16

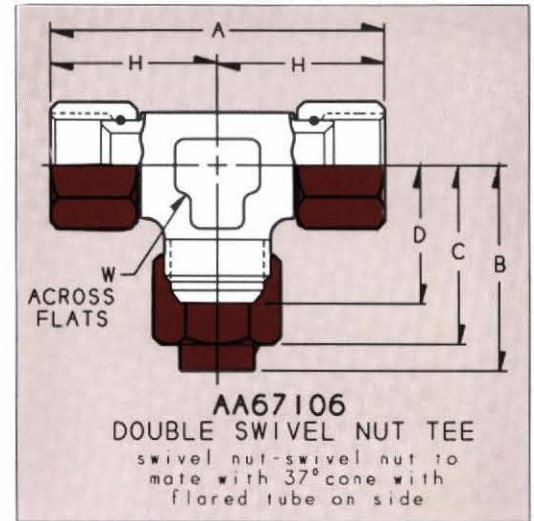


PART NUMBER+	TUBE O.D.	A*	B*	C*	D	H*	W
AA67084-2KA	1/8	2.11	1.08	.96	.77	1.03	5/16
AA67084-3KA	3/16	2.22	1.20	1.08	.83	1.02	3/8
AA67084-4KA	1/4	2.26	1.25	1.08	.89	1.01	7/16
AA67084-5KA	5/16	2.48	1.36	1.25	.95	1.12	1/2
AA67084-6KA	3/8	2.79	1.53	1.34	1.06	1.26	9/16
AA67084-8KA	1/2	3.14	1.75	1.56	1.25	1.39	3/4
AA67084-10KA	5/8	3.73	2.10	1.83	1.45	1.63	7/8
AA67084-12KA	3/4	4.03	2.27	2.02	1.66	1.76	1 1/16
AA67084-16KA	1	4.57	2.56	2.21	1.81	2.01	1 5/16
AA67084-20KA	1 1/4	5.27	2.85	2.48	2.06	2.42	1 5/8
AA67084-24KA	1 1/2	5.98	3.38	2.85	2.33	2.60	1 7/8
AA67084-32KA	2	7.53	4.14	3.65	3.06	3.39	2 9/16

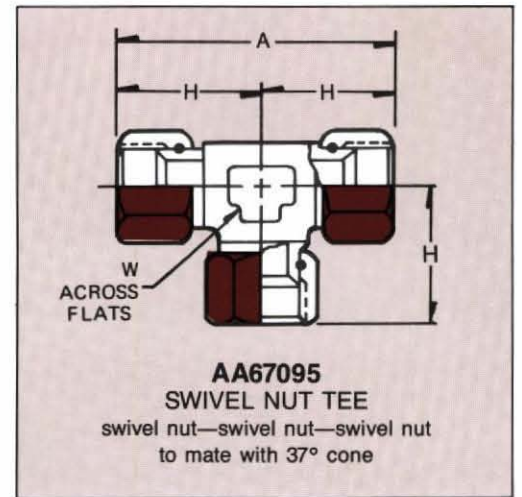


Swivel Fittings

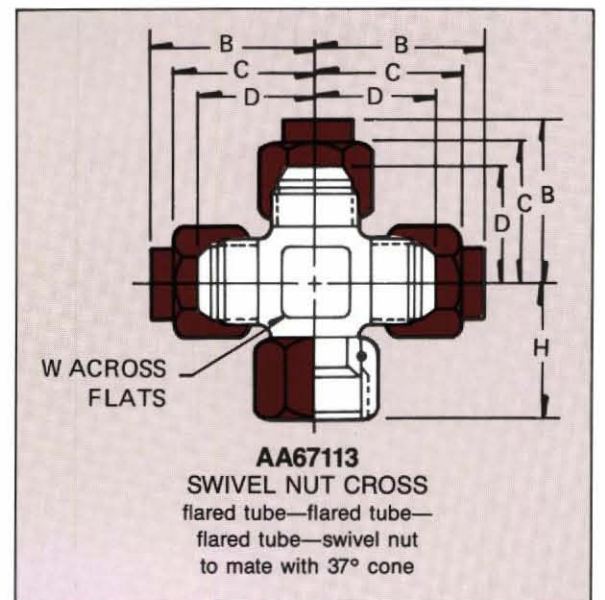
PART NUMBER+	TUBE SIZE	A*	B*	C*	D	H*	W
AA67106-2KA	1/8	1.94	1.08	.96	.77	.97	5/16
AA67106-3KA	3/16	2.00	1.20	1.08	.83	1.00	3/8
AA67106-4KA	1/4	2.00	1.25	1.08	.89	1.00	7/16
AA67106-5KA	5/16	2.12	1.36	1.25	.95	1.06	1/2
AA67106-6KA	3/8	2.50	1.53	1.34	1.06	1.25	9/16
AA67106-8KA	1/2	2.76	1.75	1.56	1.25	1.38	3/4
AA67106-10KA	5/8	3.24	2.10	1.83	1.45	1.62	7/8
AA67106-12KA	3/4	3.50	2.27	2.02	1.66	1.75	1 1/16
AA67106-16KA	1	4.00	2.56	2.21	1.81	2.00	1 5/16
AA67106-20KA	1 1/4	4.62	2.85	2.48	2.06	2.31	1 5/8
AA67106-24KA	1 1/2	5.18	3.38	2.85	2.33	2.59	2 7/8
AA67106-32KA	2	6.76	4.14	3.65	3.06	3.38	2 9/16



PART NUMBER+	TUBE O.D.	A*	H*	W
AA67095-2K	1/8	2.06	1.03	5/16
AA67095-3K	3/16	2.04	1.02	3/8
AA67095-4K	1/4	2.02	1.01	7/16
AA67095-5K	5/16	2.24	1.12	1/2
AA67095-6K	3/8	2.52	1.26	9/16
AA67095-8K	1/2	2.78	1.39	3/4
AA67095-10K	5/8	3.26	1.63	7/8
AA67095-12K	3/4	3.52	1.76	1 1/16
AA67095-16K	1	4.02	2.01	1 5/16
AA67095-20K	1 1/4	4.84	2.42	1 5/8
AA67095-24K	1 1/2	5.20	2.60	1 7/8
AA67095-32K	2	6.78	3.39	2 9/16



PART NUMBER+	TUBE O.D.	B*	C*	D*	H*	W
AA67113-2KA	1/8	1.08	.96	.77	.97	5/16
AA67113-3KA	3/16	1.20	1.08	.83	1.00	3/8
AA67113-4KA	1/4	1.25	1.08	.89	1.00	7/16
AA67113-5KA	5/16	1.36	1.25	.95	1.06	1/2
AA67113-6KA	3/8	1.53	1.34	1.06	1.25	9/16
AA67113-8KA	1/2	1.75	1.56	1.25	1.38	3/4
AA67113-10KA	5/8	2.10	1.83	1.45	1.62	7/8
AA67113-12KA	3/4	2.27	2.02	1.66	1.75	1 1/16
AA67113-16KA	1	2.56	2.21	1.81	2.00	1 5/16
AA67113-20KA	1 1/4	2.86	2.48	2.06	2.31	1 5/8
AA67113-24KA	1 1/2	3.38	2.85	2.33	2.59	1 7/8
AA67113-32KA	2	4.14	3.65	3.06	2.38	2 9/16



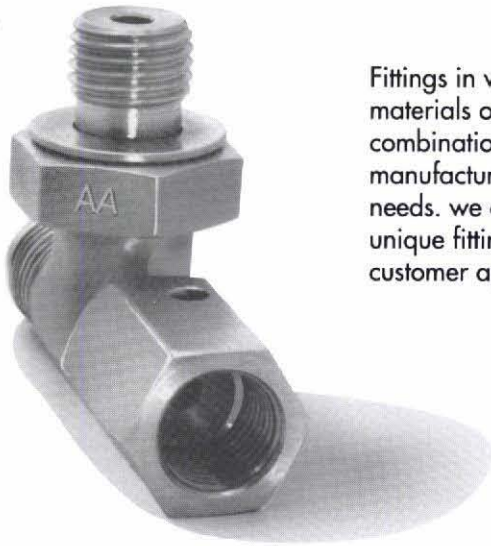
Other Swivel End to 37° Flare Combinations may be ordered.

+ Material K316SS • See page 4 for How To Order

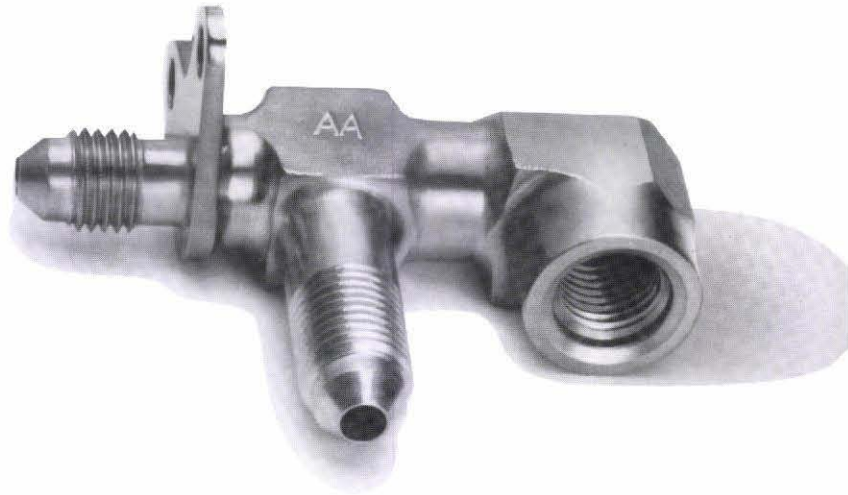
• Additional sizes available • Omit "A" from part number to order body only.

*Asterisk in tables indicates reference dimension.

Specials



Fittings in various materials or size combinations can be manufactured for your needs. We also make unique fittings for customer applications.



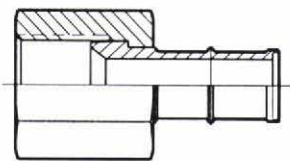
To order special fittings you need to specify the end size in the proper order. For example if you needed a reducing cross as shown on this page the dash number sequence is left to right on the run (1,2) then top to bottom on the branch (3,4).

To avoid costly confusion, submit a sketch with special orders. On your sketch note what type and size ends are required.



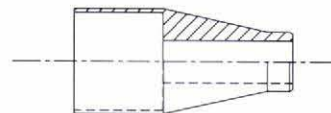
MACHINED FLARES

The machined flare was developed because of problems encountered flaring thick wall tubing.



Recommended for .120 wall or greater.
See page 43.

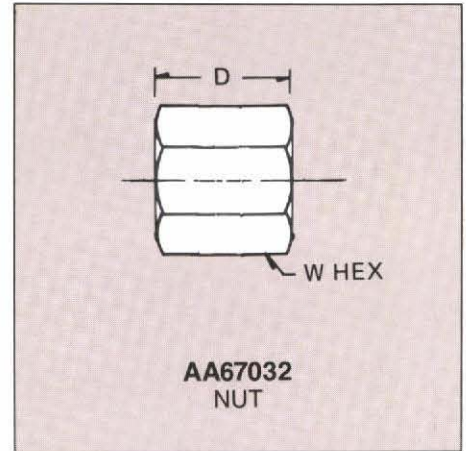
O-RING INSTALLATION TOOL



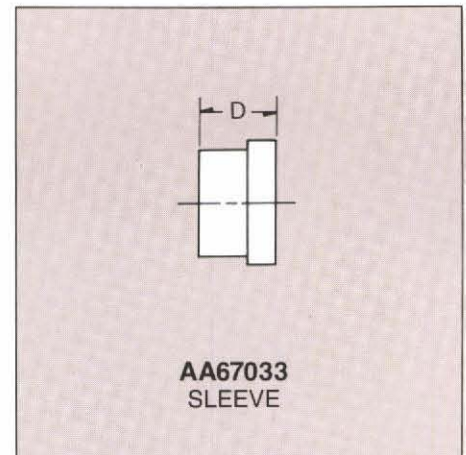
The O-Ring installation tool offers a **CONVENIENT** and **SAFE** method to install O-Rings. The tool is made from stainless steel for long life and to avoid contamination. Other materials are available.

37° Flare Components

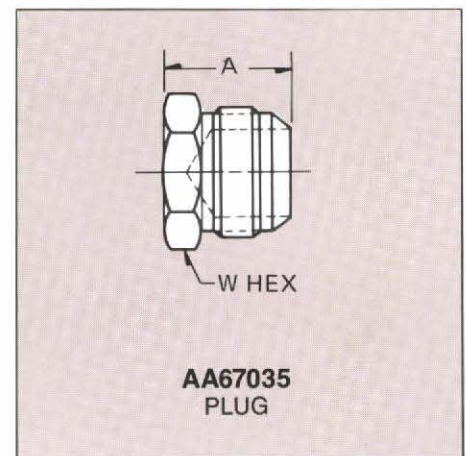
PART NUMBER +	TUBE O.D.	D	W
AA67032-2K	1/8	.54	3/8
AA67032-3K	3/16	.60	7/16
AA67032-4K	1/4	.61	9/16
AA67032-5K	5/16	.67	5/8
AA67032-6K	3/8	.72	11/16
AA67032-8K	1/2	.84	7/8
AA67032-10K	5/8	.97	1
AA67032-12K	3/4	1.02	1 1/4
AA67032-16K	1	1.12	1 1/2
AA67032-20K	1 1/4	1.22	2
AA67032-24K	1 1/2	1.41	2 1/4
AA67032-28K	1 3/4	1.56	2 5/8
AA67032-32K	2	1.74	2 7/8



PART NUMBER +	TUBE O.D.	D
AA67033-2K	1/8	.34
AA67033-3K	3/16	.41
AA67033-4K	1/4	.41
AA67033-5K	5/16	.44
AA67033-6K	3/8	.50
AA67033-8K	1/2	.56
AA67033-10K	5/8	.66
AA67033-12K	3/4	.68
AA67033-16K	1	.78
AA67033-20K	1 1/4	.91
AA67033-24K	1 1/2	1.12
AA67033-28K	1 3/4	1.12
AA67033-32K	2	1.19



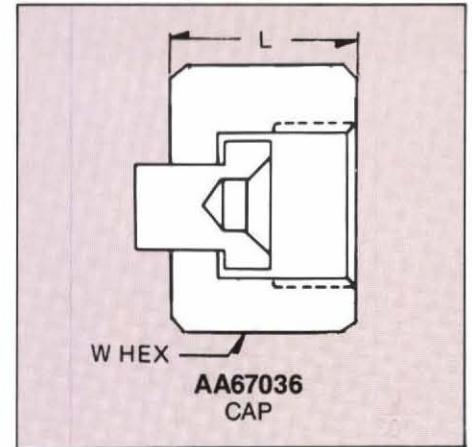
PART NUMBER +	TUBE O.D.	A	W
AA67035-2K	1/8	.66	7/16
AA67035-3K	3/16	.69	7/16
AA67035-4K	1/4	.75	7/16
AA67035-5K	5/16	.78	1/2
AA67035-6K	3/8	.83	9/16
AA67035-8K	1/2	.94	3/4
AA67035-10K	5/8	1.10	7/8
AA67035-12K	3/4	1.22	1 1/8
AA67035-16K	1	1.30	1 3/8
AA67035-20K	1 1/4	1.37	1 7/16
AA67035-24K	1 1/2	1.50	2
AA67035-28K	1 3/4	1.62	2 3/8
AA67035-32K	2	1.75	2 5/8



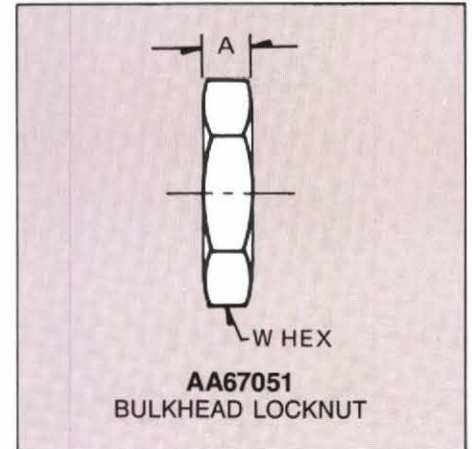
+ Material K316SS • See page 4 for How To Order
• Additional sizes available



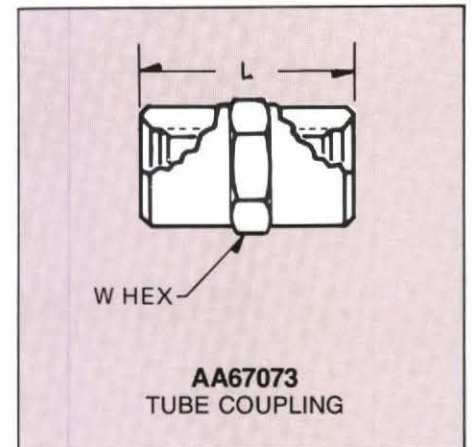
PART NUMBER +	TUBE O.D.	L	W
AA67036-2K	1/8	.54	3/8
AA67036-3K	3/16	.60	7/16
AA67036-4K	1/4	.61	9/16
AA67036-5K	5/16	.67	5/8
AA67036-6K	3/8	.72	11/16
AA67036-8K	1/2	.84	7/8
AA67036-10K	5/8	.97	1
AA67036-12K	3/4	1.02	1 1/4
AA67036-16K	1	1.12	1 1/2
AA67036-20K	1 1/4	1.22	2
AA67036-24K	1 1/2	1.41	2 1/4
AA67036-28K	1 3/4	1.56	2 5/8
AA67036-32K	2	1.74	2 7/8



PART NUMBER +	TUBE O.D.	A	W
AA67051-2K	1/8	.22	9/16
AA67051-3K	3/16	.22	5/8
AA67051-4K	1/4	.25	1 1/16
AA67051-5K	5/16	.25	3/4
AA67051-6K	3/8	.27	13/16
AA67051-8K	1/2	.31	1
AA67051-10K	5/8	.36	1 1/8
AA67051-12K	3/4	.41	1 3/8
AA67051-16K	1	.41	1 5/8
AA67051-20K	1 1/4	.41	1 5/16
AA67051-24K	1 1/2	.41	2 3/16
AA67051-28K	1 3/4	.41	2 9/16
AA67051-32K	2	.41	2 3/16



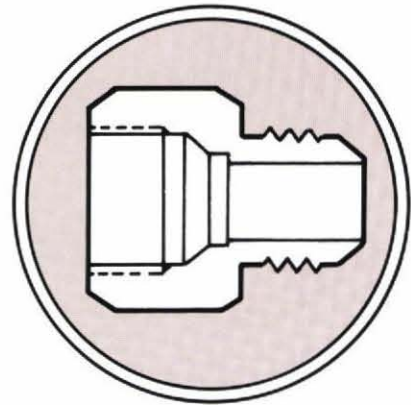
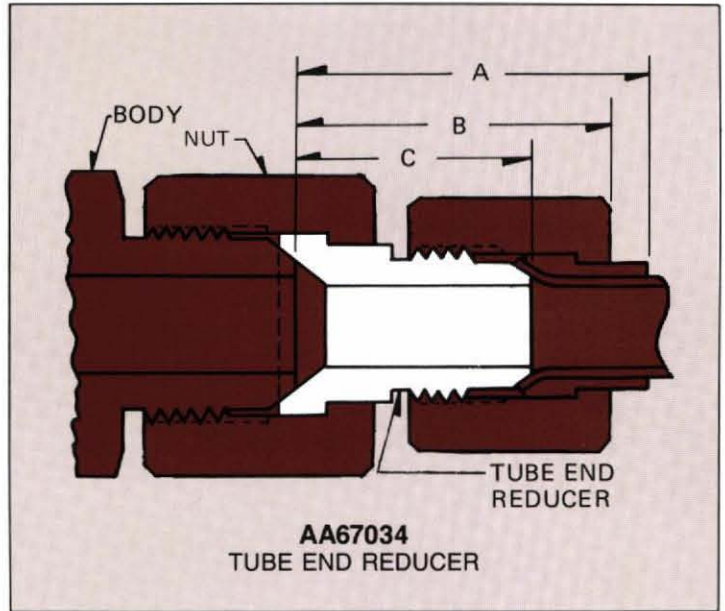
PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	L	W
AA67073-2K	1/8	5/16-24	1.00	9/16
AA67073-3K	3/16	3/8-24	1.00	5/8
AA67073-4K	1/4	7/16-20	1.18	1 1/16
AA67073-5K	5/16	1/2-20	1.18	3/4
AA67073-6K	3/8	9/16-18	1.18	13/16
AA67073-8K	1/2	3/4-16	1.43	1
AA67073-10K	5/8	7/8-14	1.56	1 1/8
AA67073-12K	3/4	1 1/16-12	1.81	1 3/8
AA67073-16K	1	1 5/16-12	1.87	1 5/8
AA67073-20K	1 1/4	1 5/8-12	2.00	2
AA67073-24K	1 1/2	1 7/8-12	2.25	2 1/4
AA67073-28K	1 3/4	2 1/4-12	2.50	2 5/8
AA67073-32K	2	2 1/2-12	2.75	3



+ Material K316SS • See page 4 for How To Order
• Additional sizes available

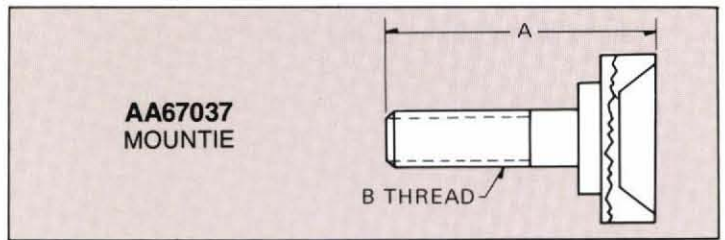
37° Flare Components

PART NUMBER +	TUBE END REDUCTION		A*	B*	C
	FROM	TO			
AA67034-4-2KA	1/4	1/8	1.02	.89	.72
AA67034-6-4KA	3/8	1/4	1.25	1.08	.89
AA67034-8-4KA	1/2	1/4	1.25	1.08	.89
AA67034-8-6KA	1/2	3/8	1.36	1.17	.89
AA67034-10-4KA	5/8	1/4	1.28	1.11	.92
AA67034-10-6KA	5/8	3/8	1.39	1.20	.92
AA67034-10-8KA	5/8	1/2	x	x	x
AA67034-12-4KA	3/4	1/4	1.31	1.14	.95
AA67034-12-6KA	3/4	3/8	1.42	1.23	.95
AA67034-12-8KA	3/4	1/2	1.55	1.36	1.05
AA67034-12-10KA	3/4	5/8	x	x	x
AA67034-16-4KA	1	1/4	1.61	1.43	1.21
AA67034-16-6KA	1	3/8	1.49	1.29	1.00
AA67034-16-8KA	1	1/2	1.68	1.47	1.13
AA67034-16-12KA	1	3/4	1.94	1.69	1.33
AA67034-20-4KA	1 1/4	1/4	1.73	1.55	1.33
AA67034-20-6KA	1 1/4	3/8	1.75	1.55	1.26
AA67034-20-8KA	1 1/4	1/2	1.77	1.56	1.22
AA67034-20-10KA	1 1/4	5/8	1.78	1.57	1.23
AA67034-20-12KA	1 1/4	3/4	1.95	1.70	1.34
AA67034-20-16KA	1 1/4	1	2.17	1.84	1.40
AA67034-24-4KA	1 1/2	1/4	1.89	1.71	1.49
AA67034-24-6KA	1 1/2	3/8	1.89	1.69	1.40
AA67034-24-8KA	1 1/2	1/2	1.98	1.77	1.43
AA67034-24-10KA	1 1/2	5/8	2.12	1.86	1.46
AA67034-24-12KA	1 1/2	3/4	2.09	1.82	1.42
AA67034-24-16KA	1 1/2	1	2.19	1.86	1.42
AA67034-24-20KA	1 1/2	1 1/4	2.33	1.94	1.48
AA67034-32-12KA	2	3/4	2.47	2.20	1.80
AA67034-32-16KA	2	1	2.46	2.13	1.69
AA67034-32-20KA	2	1 1/4	2.47	2.08	1.62
AA67034-32-24KA	2	1 1/2	2.79	2.25	1.69



X SPECIAL ONE PIECE DESIGN

PART NUMBER +	TUBE O.D.	A	B
AA67037-4K	1/4	.72	1/4 - 20
AA67037-6K	3/8	.80	1/4 - 20
AA67037-8K	1/2	.98	5/16 - 18

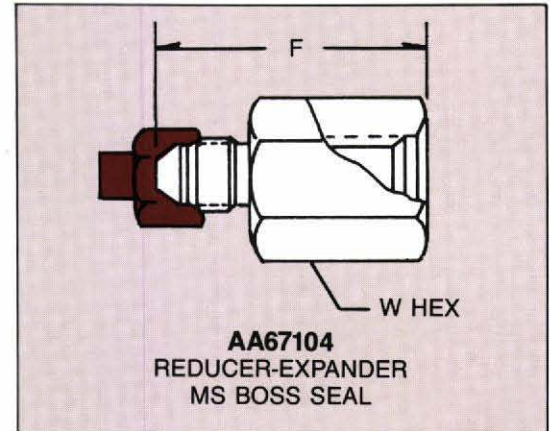


Mountie stud, used in place of sleeve, to plug port when B nut is drawn up and to provide threaded end (of stud) to make tee or cross fitting self mounting.

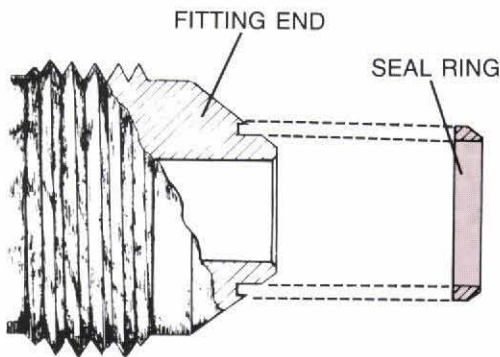
- + Material K316SS • See page 4 for How To Order
- Additional sizes available
- Omit "A" from part number to order body only.

MS Boss Fittings

PART NUMBER+	Internal End Tube O.D.	External End Tube O.D.	F	W
AA67104-4-2KA	1/4	1/8	1.29	11/16
AA67104-4-4KA	1/4	1/4	1.38	11/16
AA67104-4-8KA	1/4	1/2	1.01	1
AA67104-6-4KA	3/8	1/4	1.39	13/16
AA67104-6-8KA	3/8	1/2	1.64	1
AA67104-6-12KA	3/8	3/4	1.26	13/8
AA67104-8-4KA	1/2	1/4	1.57	1
AA67104-8-6KA	1/2	3/8	1.54	1
AA67104-8-12KA	1/2	3/4	1.64	13/8
AA67104-8-16KA	1/2	1	1.68	15/8
AA67104-10-4KA	5/8	1/4	1.67	11/8
AA67104-10-6KA	5/8	3/8	1.64	11/8
AA67104-10-8KA	5/8	1/2	1.75	11/8
AA67104-12-6KA	3/4	3/8	1.81	13/8
AA67104-12-8KA	3/4	1/2	1.92	13/8
AA67104-12-10KA	3/4	5/8	2.01	13/8
AA67104-12-16KA	3/4	1	1.92	15/8
AA67104-16-6KA	1	3/8	1.92	15/8
AA67104-16-8KA	1	1/2	2.03	15/8
AA67104-16-10KA	1	5/8	2.10	15/8
AA67104-16-12KA	1	3/4	2.20	15/8
AA67104-20-8KA	1 1/4	1/2	2.17	17/8
AA67104-20-10KA	1 1/4	5/8	2.25	17/8
AA67104-20-12KA	1 1/4	3/4	2.32	17/8
AA67104-20-16KA	1 1/4	1	2.29	17/8



+ Material K316SS • See page 4 for How To Order
 • Additional sizes available • Omit "A" from part number to order body only.



Ring Seals

Provide superior protection against leakage in difficult to seal applications.

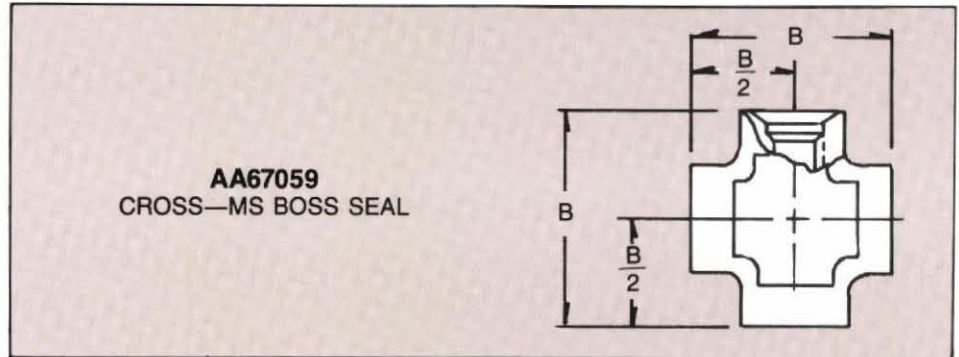
To achieve this superior sealing capability, a groove is machined into the 37° flare, and a seal ring (usually Teflon) is inserted. When assembled with the tubing, the primary seal is metal to metal. A secondary seal is Teflon to metal.

Ask for Ring Seal literature.

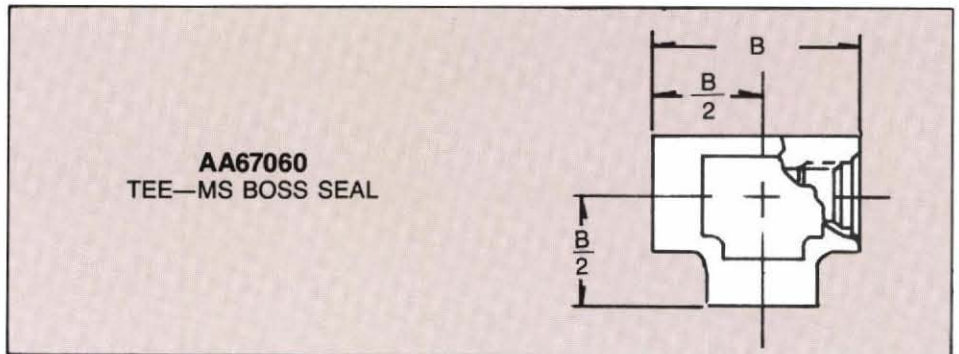
See page 6 for Ring Seal data.

MS Boss Fittings

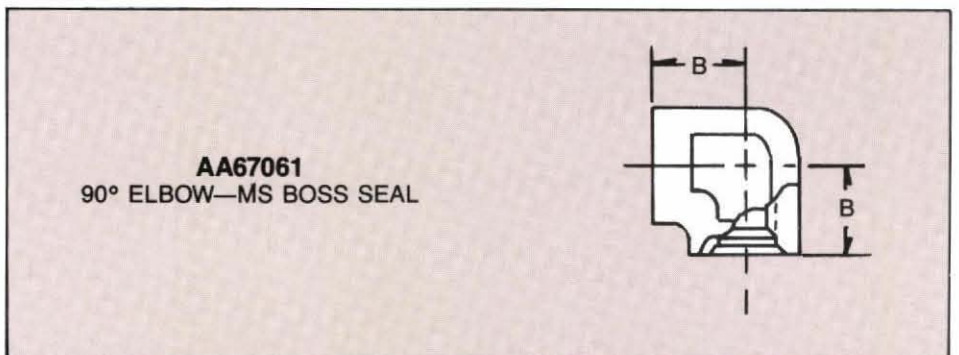
PART NUMBER+	TUBE O.D.	B
AA67059-4K	1/4	1.50
AA67059-6K	3/8	1.62
AA67059-8K	1/2	2.00
AA67059-10K	5/8	2.31
AA67059-12K	3/4	2.71
AA67059-16K	1	3.06



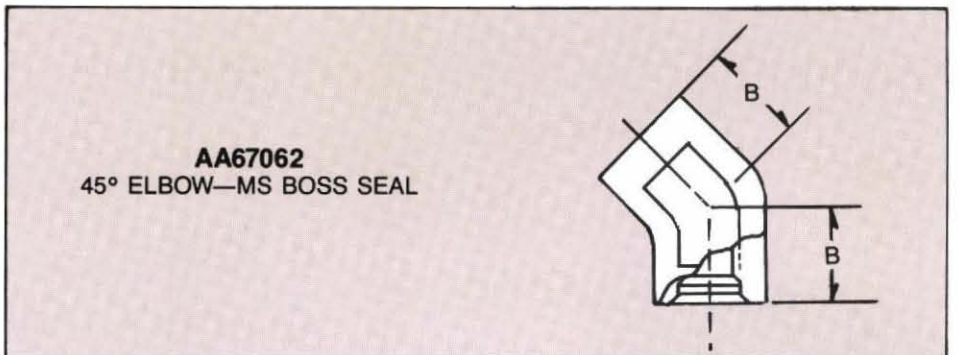
PART NUMBER+	TUBE O.D.	B
AA67060-4K	1/4	1.50
AA67060-6K	3/8	1.62
AA67060-8K	1/2	2.00
AA67060-10K	5/8	2.31
AA67060-12K	3/4	2.71
AA67060-16K	1	3.06



PART NUMBER+	TUBE O.D.	B
AA67061-4K	1/4	.75
AA67061-6K	3/8	.81
AA67061-8K	1/2	1.00
AA67061-10K	5/8	1.15
AA67061-12K	3/4	1.35
AA67061-16K	1	1.53

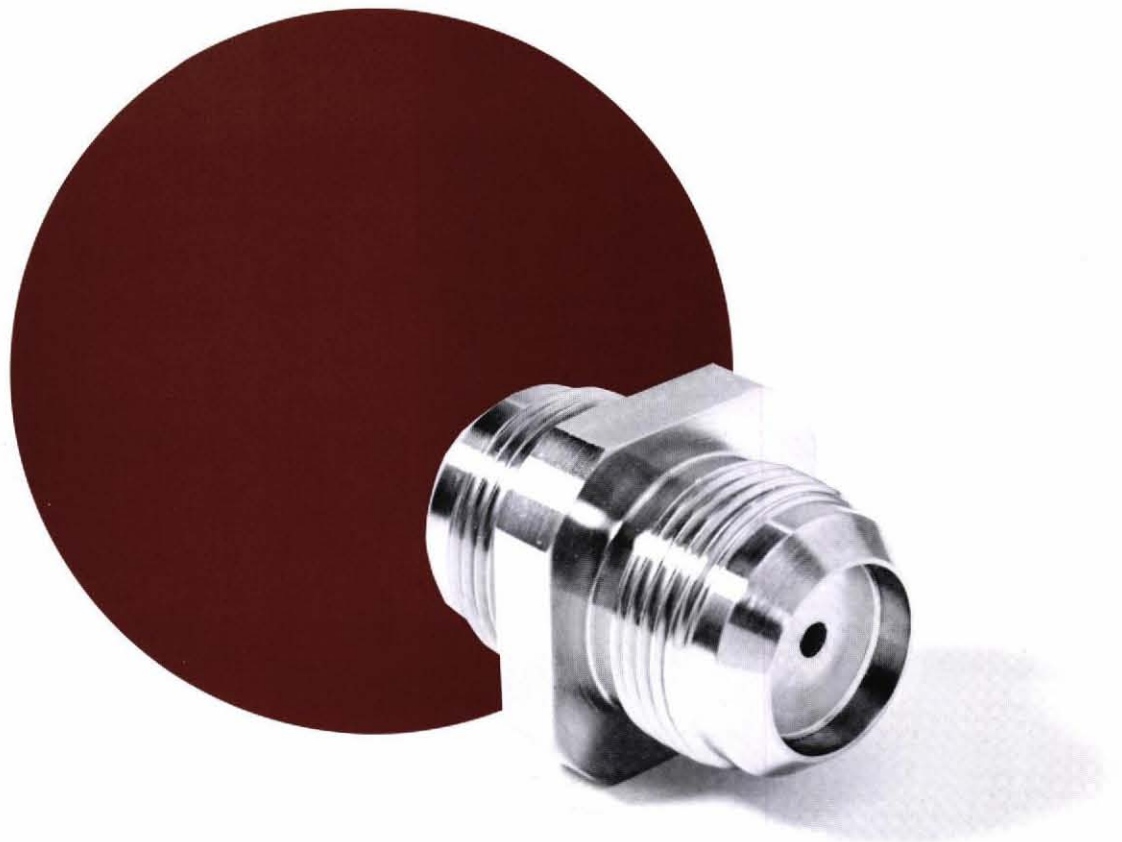


PART NUMBER+	TUBE O.D.	B
AA67062-4K	1/4	.68
AA67062-6K	3/8	.73
AA67062-8K	1/2	.90
AA67062-10K	5/8	1.06
AA67062-12K	3/4	1.21
AA67062-16K	1	1.34



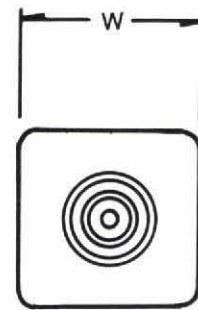
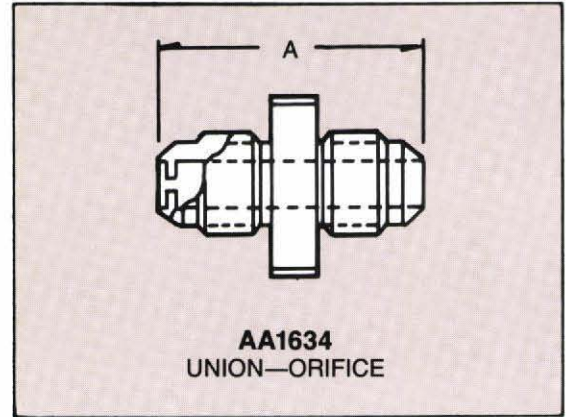
+ Material K316SS • See page 4 for How To Order • Additional sizes available

Orifice Fittings

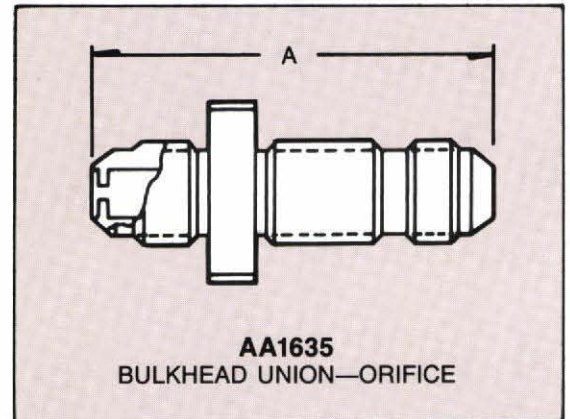


37° Flare Orifice Fittings

PART NUMBER	TUBE O.D.	A	W
AA1634K4	1/4	1.23	11/16
AA1634K6	3/8	1.36	13/16
AA1634K8	1/2	1.55	1
AA1634K12	3/4	2.09	1 3/8
AA1634K16	1	2.17	1 5/8



PART NUMBER	TUBE O.D.	A	W
AA1635K4	1/4	2.03	1 1/16
AA1635K6	3/8	2.20	1 3/16
AA1635K8	1/2	2.44	1
AA1635K12	3/4	3.02	1 3/8
AA1635K16	1	3.06	1 5/8



Fitting Sizes: 1/4" thru 2" tube O.D.

Orifice Sizes: As small as .0055

Flow: Bi-Directional

Construction: One piece, square stock

Material: Standard 316SS. See page 4 for alternate materials

Operating Pressure: 3000 P.S.I.

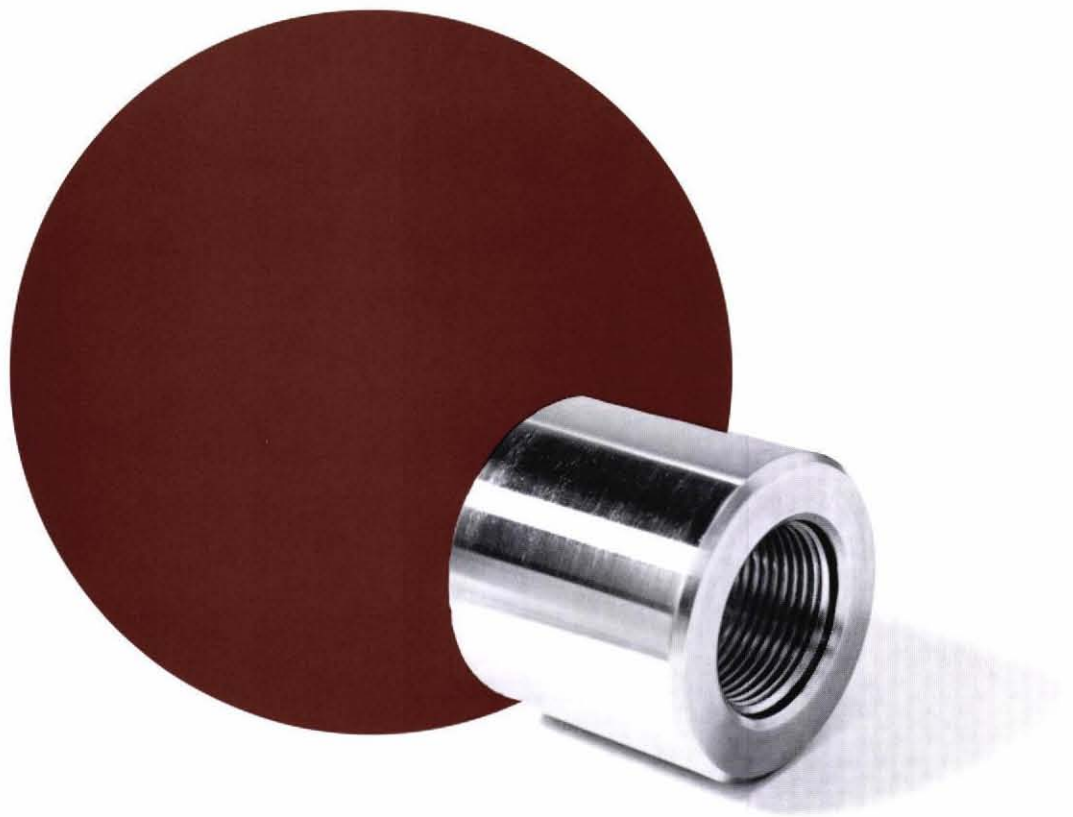
How To Order: Union 1/4"—Orifice

AA1634K4—.030

Union 1/4"—Orifice Blank

AA1634K4—.000

Weld Ends



Tube Information

Tube Size O.D.	Inside Diameter of Standard Size Tubing												
	Wall Thickness												
	.028	.032	.035	.042	.049	.058	.065	.072	.083	.095	.109	.120	.134
1/8	.069	.061	.055	---	---	---	---	---	---	---	---	---	---
3/16	---	.123	.117	---	---	---	---	---	---	---	---	---	---
1/4	---	---	.180	.166	.152	.134	.120	---	---	---	---	---	---
5/16	---	---	.242	.228	.214	.196	.182	---	---	---	---	---	---
3/8	---	---	.305	.291	.277	.259	.245	---	---	---	---	---	---
1/2	---	---	.430	.416	.402	.384	.370	.356	.334	---	---	---	---
5/8	---	---	.555	.541	.527	.509	.495	.481	.459	.435	---	---	---
3/4	---	---	---	---	.652	.634	.620	.606	.584	.560	.532	---	---
7/8	---	---	---	---	.777	.759	.745	.731	.709	.685	.657	---	---
1	---	---	---	---	.902	.884	.870	.856	.834	.810	.782	.760	---
1 1/4	---	---	---	---	1.152	1.134	1.120	1.106	1.084	1.060	1.032	1.010	---
1 1/2	---	---	---	---	---	---	1.370	1.356	1.334	1.310	1.282	1.260	---
1 3/4	---	---	---	---	---	---	1.620	1.606	1.584	1.560	1.532	1.510	1.482
2	---	---	---	---	---	---	1.870	1.856	1.834	1.810	1.782	1.760	1.732

Pipe Information

Nom. Pipe Size	Actual Pipe O.D.	Nominal Pipe Wall Thickness and Nominal Pipe Inside Diameter											
		Schedule 5S		Schedule 10S		Schedule 40 & Standard		Schedule 80 & Extra Strong		Schedule 160		Double Extra Strong	
		Wall	I.D.	Wall	I.D.	Wall	I.D.	Wall	I.D.	Wall	I.D.	Wall	I.D.
1/4	0.540	---	---	0.065	0.410	0.088	0.364	0.119	0.302	---	---	---	---
1/2	0.840	0.065	0.710	0.083	0.674	0.109	0.622	0.147	0.546	0.188	0.464	0.294	0.252
3/4	1.050	0.065	0.920	0.083	0.884	0.113	0.824	0.154	0.742	0.219	0.612	0.308	0.434
1	1.315	0.065	1.185	0.109	1.097	0.133	1.049	0.179	0.957	0.250	0.815	0.358	0.599
1 1/4	1.660	0.065	1.530	0.109	1.442	0.140	1.380	0.191	1.278	0.250	1.160	0.382	0.896
1 1/2	1.900	0.065	1.770	0.109	1.682	0.145	1.610	0.200	1.500	0.281	1.338	0.400	1.100
2	2.375	0.065	2.245	0.109	2.157	0.154	2.067	0.218	1.939	0.344	1.687	0.436	1.503
2 1/2	2.875	0.083	2.709	0.120	2.635	0.203	2.469	0.276	2.323	0.375	2.125	0.552	1.771
3	3.500	0.083	3.334	0.120	3.260	0.216	3.068	0.300	2.900	0.438	2.624	0.600	2.300
3 1/2	4.000	0.083	3.834	0.120	3.760	0.226	3.548	0.318	3.364	---	---	---	---
4	4.500	0.083	4.334	0.120	4.260	0.237	4.026	0.337	3.826	0.531	3.438	0.674	3.152

(Portions of this table were extracted from standards ANSI B16.5 and ASA B36.19)

Material Information

Weld fittings are available in the following materials:

- | | |
|--|--|
| J = 304 Stainless Steel | 316L = 316L Stainless Steel Low Carbon |
| K = 316 Stainless Steel | A = 6061 Aluminum |
| S = 347 Stainless Steel | M = Monel |
| 304L = 304L Stainless Steel Low Carbon | T = Titanium |

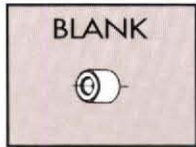


Weld Fitting Information

ALLAN AIRCRAFT SUPPLY CO. manufactures weld fittings of various types, sizes and materials. The Weld fittings in this catalog are only a sample of the weld fitting that are available.

The information on page 38 covers standard pipe and tube sizes. Larger pipe and tube sizes are available.

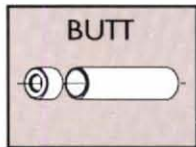
Part Number Examples



BLANK

PAGE No. 40

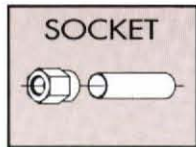
AAB1001 - 4J 1/4 FEMALE BOSS IN 304 SS.
AAB1036 - 4 (304L) 1/2 FEMALE PIPE IN 304L SS.
AAB1038 - 12K 3/4 FLARED TUBE IN 316SS.
AAB1092 - 16 (316L) 1 INCH FLARED TUBE SWIVEL IN 316L SS.
AAB1109 - 20S 1 1/4 ADJUSTABLE END IN 347 SS.
AAB1111 - 16M 2 INCH MALE PIPE IN MONEL.



BUTT

PAGE No. 41

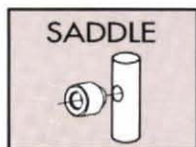
AAB1002 - 12J .500 - 40 3/4 FEMALE BOSS TO 1/2 PIPE SCHEDULE 40 IN 304 SS.
AAB1016 - 16K 1.00 - .065 1 INCH FLARED TUBE TO 1 INCH TUBING .065 WALL IN 316 SS.
AAB1099 - 20S 1.50 - 10 1 1/4 BULKHEAD TO 1 1/2 PIPE SCHEDULE 10 IN 347 SS.
AAB1093 - 24 (304L) 1.25 - .058 1 1/2 SWIVEL TO 1 1/4 TUBING .058 WALL IN 304L SS.
AAB1070 - 16 (316L) 2.00 - 160 2 INCH PIPE TO 2 INCH PIPE SCHEDULE 160 IN 316L SS.
AAB1083 - 6M .500 - .058 3/8 SWIVEL TO 1/2 TUBING .058 WALL 45° ELBOW IN MONEL.



SOCKET

PAGE No. 44

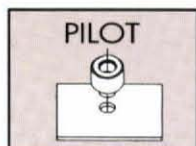
AAB1035 - 12J .500 3/4 FLARED TUBE TO 1/2 TUBING IN 304 SS.
AAB1013 - 16K 1.00 1 INCH SWIVEL TO 1 INCH PIPE IN 316 SS.
AAB1014 - 20S 1.50 1 1/4 SWIVEL TO 1 1/2 PIPE 90° ELBOW IN 347 SS.
AAB1024 - 24 (304L) 1 1/2 INCH TUBING UNION IN 304L SS.
AAB1027 - 16 - 32 (316L) 1 INCH MALE PIPE TO 2 INCH TUBING IN 316L SS.
AAB1030 - 32 - 32 - 16M TEE 2 INCH TUBE ON RUNE 1 INCH BRANCH IN MONEL.



SADDLE

PAGE No. 47

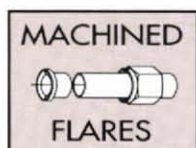
AAB1008 - 12J .500 - .035 3/4 FEMALE BOSS TO 1/2 .035 WALL TUBING IN 304 SS.
AAB1036 - 16K 1.00 - 80 2 INCH MALE PIPE TO 1 INCH PIPE SCHEDULE 80 IN 316 SS.
AAB1074 - 20S 1.50 - .109 1 1/4 FUBE TO 1 1/2 TUBING .109 WALL IN 347 SS.
AAB1092 - 24 (304L) 1.25 - 10 1 1/2 SWIVEL TO 1 1/4 PIPE SCHEUDLE 10 IN 304L SS.
AAB1110 - 32 (316L) 2.00 - .134 2 INCH ADJUSTABLE TO 2 INCH TUBING .134 WALL 316 SS.
AAB1111 - 12M 1.50 - 160 1 1/2 MALE PIPE TO 1 1/2 PIPE SCHEDULE 180 IN MONEL.



PILOT

PAGE No. 48

AAB1003 - 4J 1/4 FEMALE BOSS IN 304 SS.
AAB1053 - 4 (304L) 1/4 FLARED TUBE IN 304L SS.
AAB1054 - 12K 3/4 FLARED TUBE IN 316 SS.
AAB1055 - 16 (316L) 1 INCH FLARED TUBE SWIVEL IN 316L SS.
AAB1097 - 12S 1 1/2 MALE PIPE IN 347 SS.
AAB1125 - 16M 2 INCH FEMALE PIPE IN MONEL.



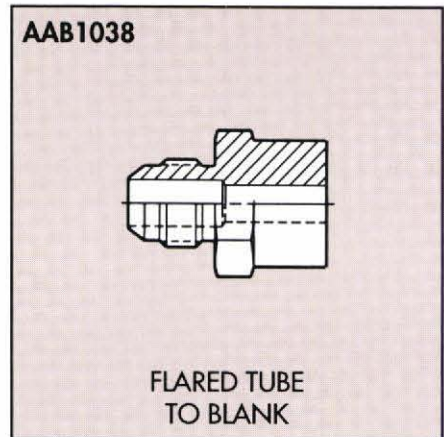
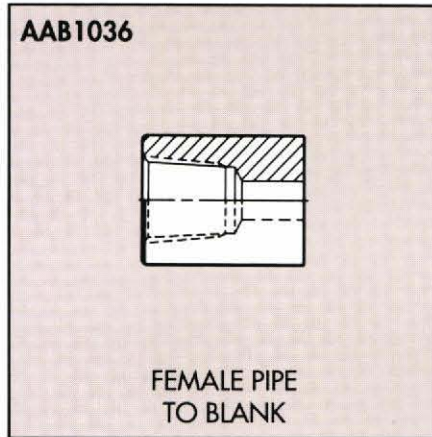
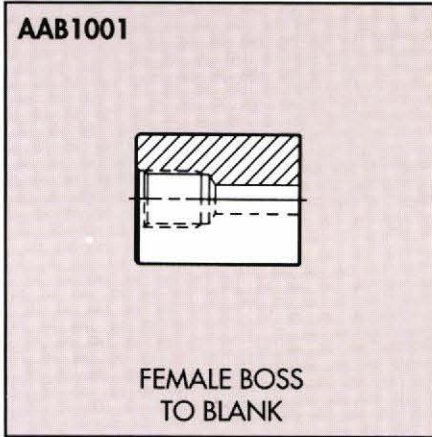
MACHINED

FLARES

PAGE No. 43

AAB1149K4A 1/4 FLARE TO 1/4 .035 WALL TUBING IN 316 SS FOR AUTO WELDING.
AAB1149J4C8 1/2 FLARE TO 1/4 .058 WALL TUBING IN 304 SS FOR AUTO WELDING.
AAB1150K4A 1/4 FLARE TO 1/4 .035 WALL TUBING IN 316 SS.
AAB1150J4C8 1/2 FLARE TO 1/4 .058 WALL TUBING IN 304 SS.
AAB2000 (304L) 12A 3/4 FLARED TUBE SWEIVEL TO 3/4 .035 WALL TUBING IN 304L SS.
AAB2000K12 - 8C 3/4 FLARED TUBE SWIVEL TO 1/2 .058 WALL TUBING IN 316 SS.

Blank

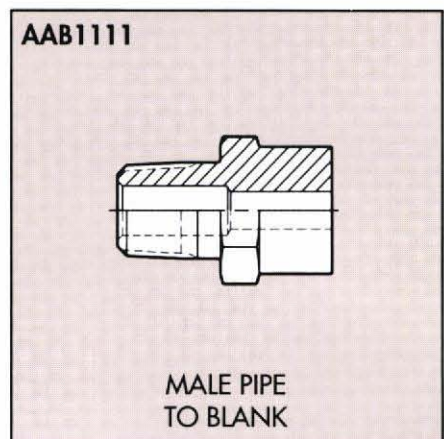
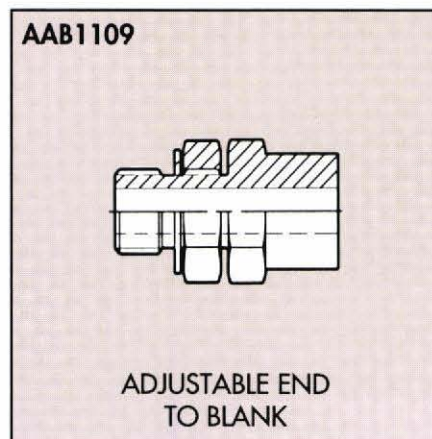
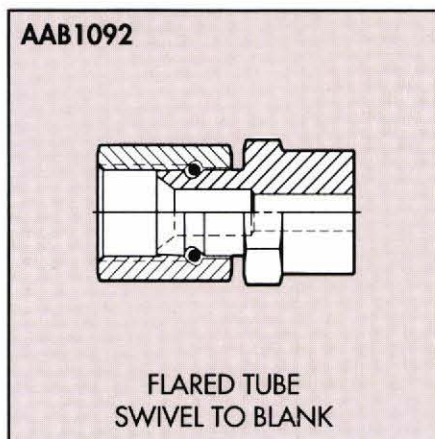
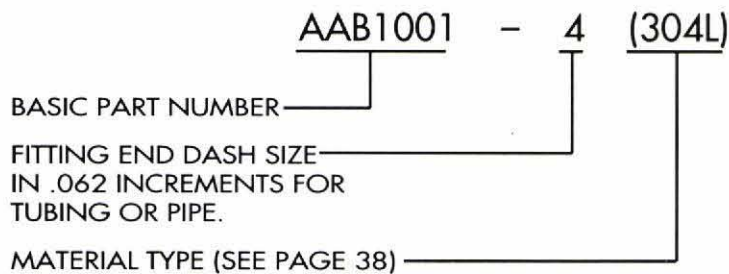


INTENDED USE:

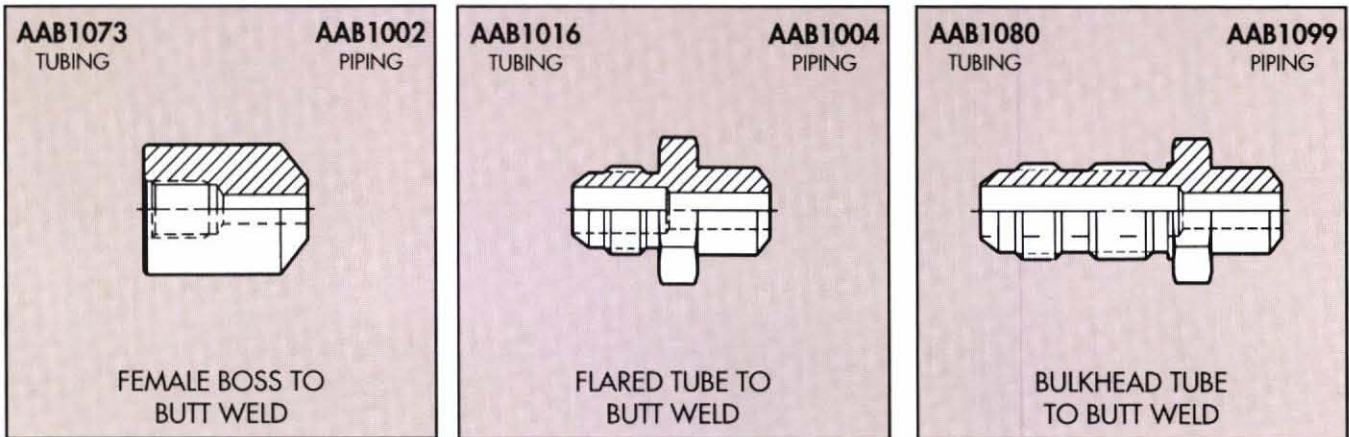


THE WELD FITTINGS IN THIS SECTION ARE INTENDED TO BE WELDED OR MACHINED TO ANY NEED.

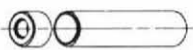
PART NUMBER EXAMPLE:



Butt Weld

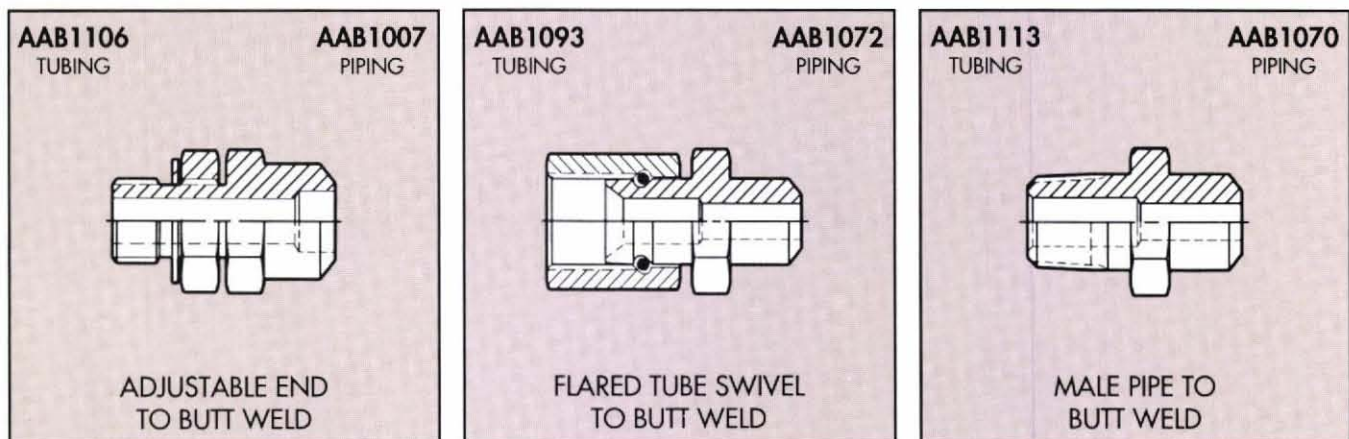
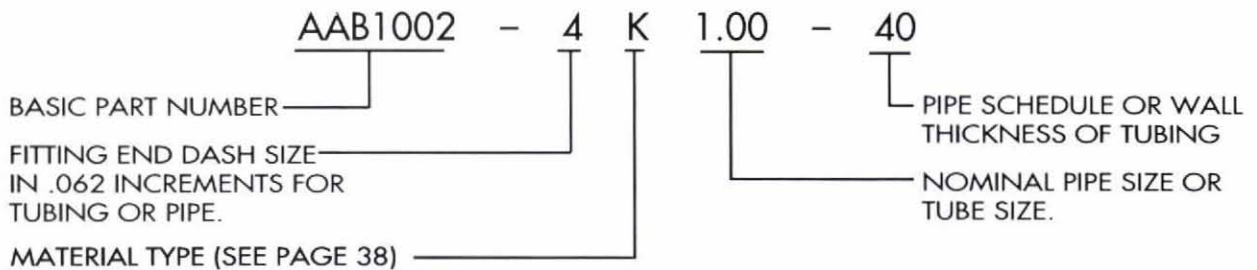


INTENDED USE:

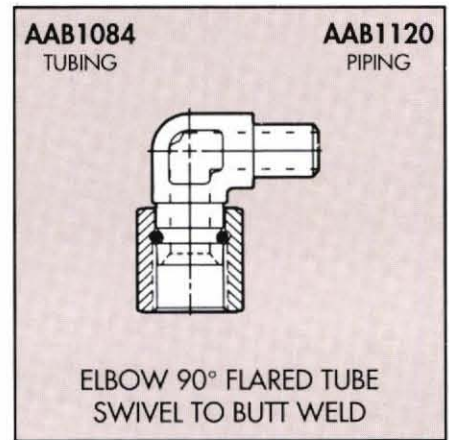
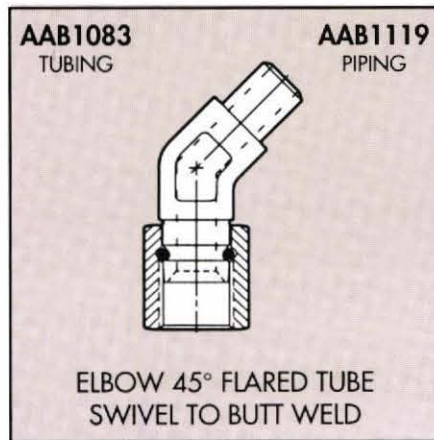
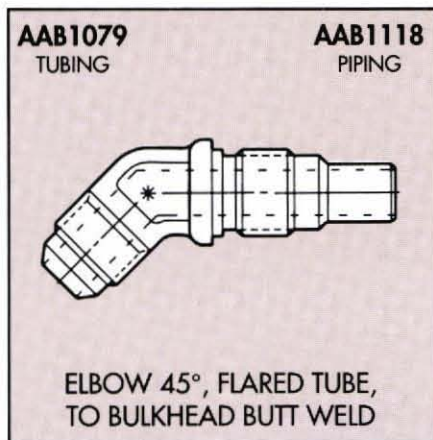
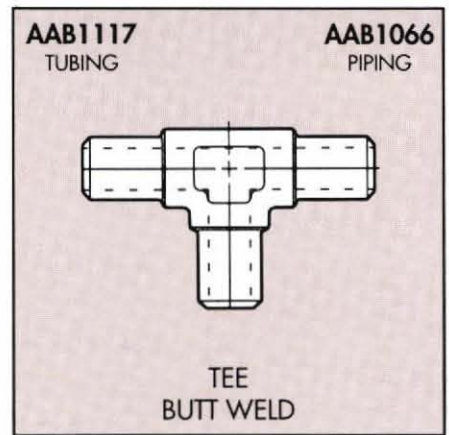
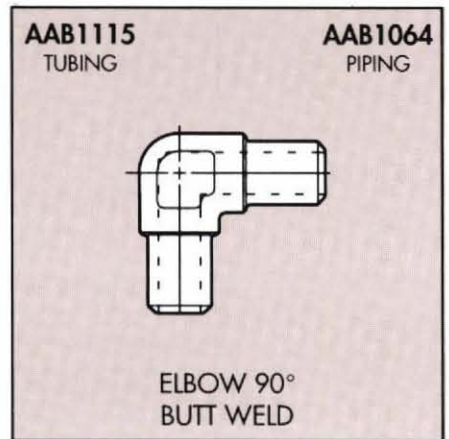
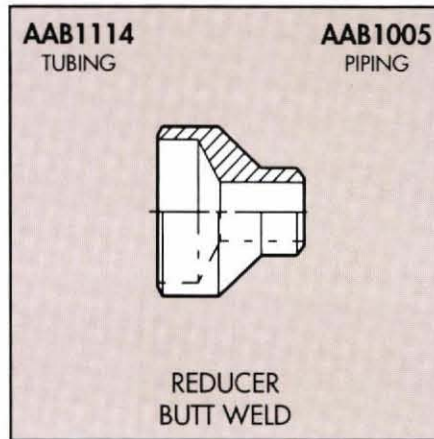
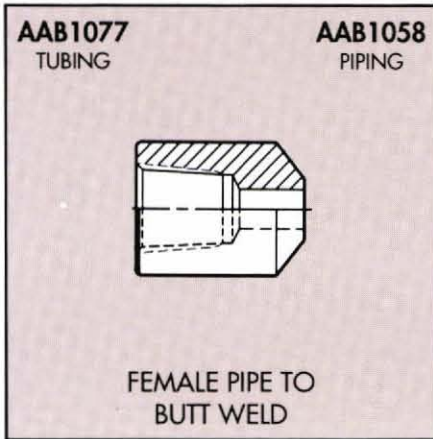


THE WELD FITTINGS IN THIS SECTION ARE INTENDED TO BE BUTT WELDED ON THE END OF PIPING OR TUBING.

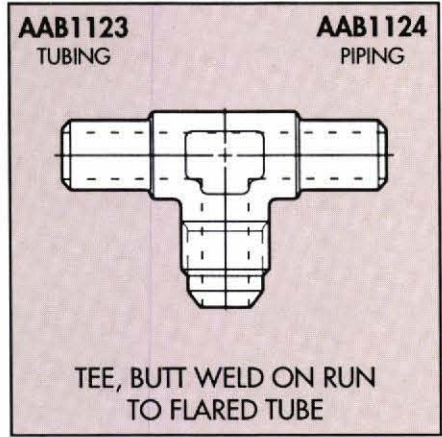
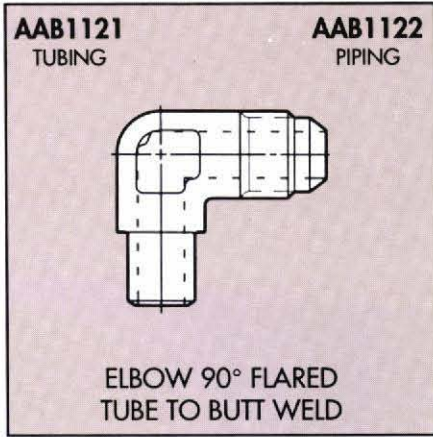
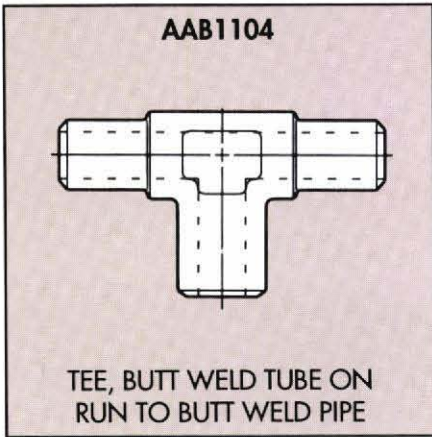
PART NUMBER EXAMPLE:



Butt Weld



Butt Weld



Machined Flares

AAB1149
TUBING

MACHINED FLARE
AUTO BUTT WELD

AAB1150
TUBING

MACHINED FLARE
BUTT WELD

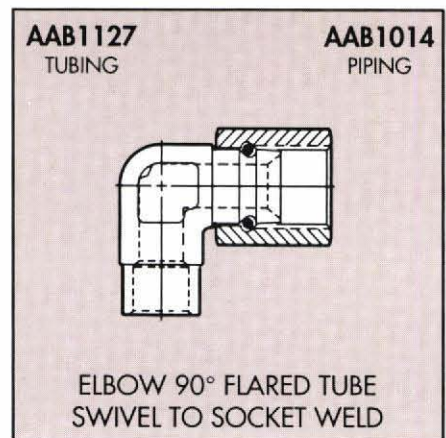
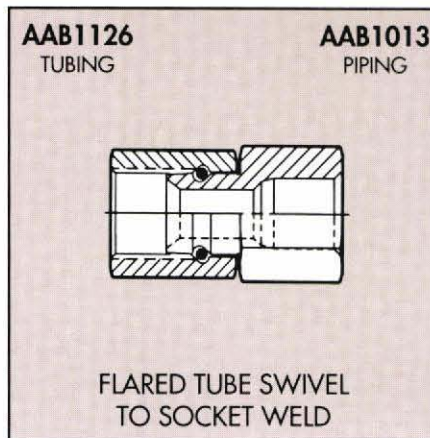
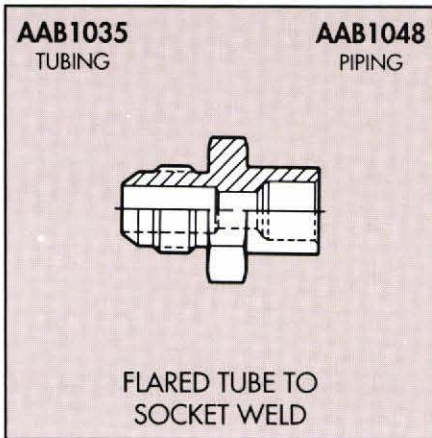
AAB2000
TUBING

REDUCING FLARE
AUTO BUTT WELD

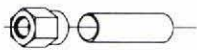
INTENDED USE: The Machined Flare was developed because of problems encountered flaring thick wall tubing. Machined flares are recommended for .120 wall thickness and greater.

Auto Butt Weld fittings are available in unions, tees, elbows, crosses and reducers.

Socket Weld

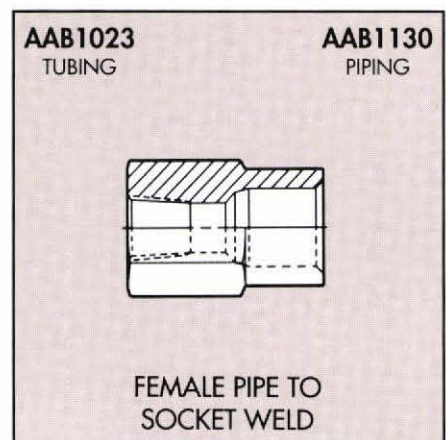
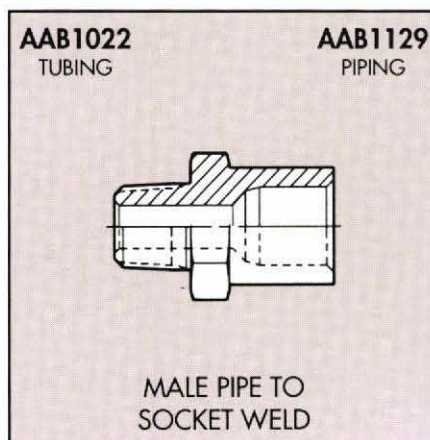
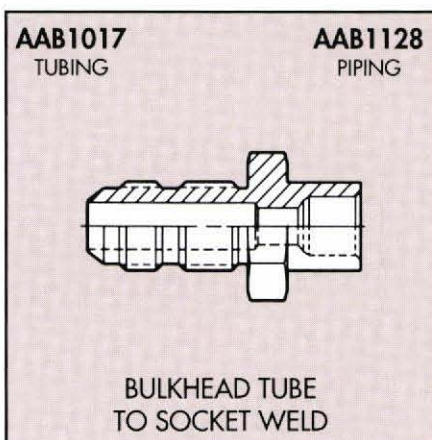
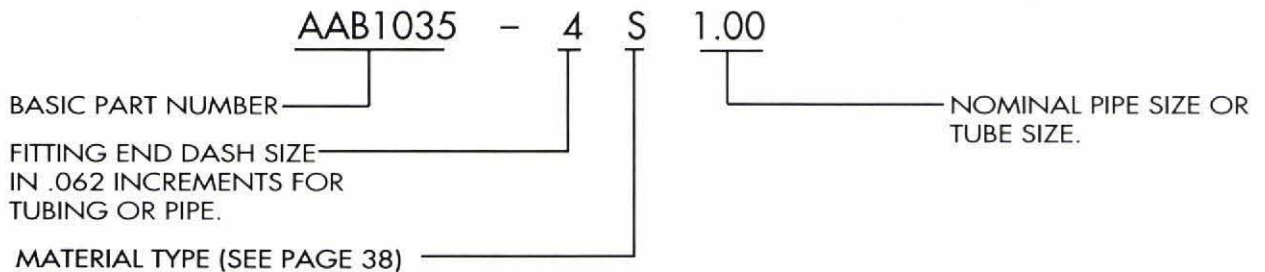


INTENDED USE:

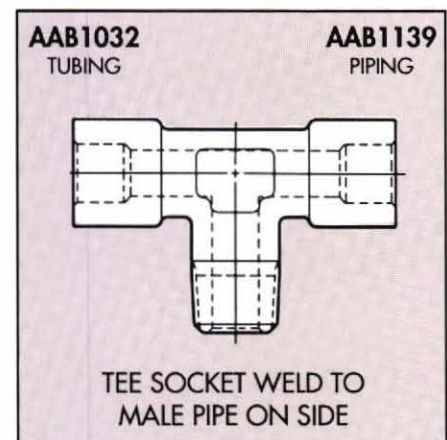
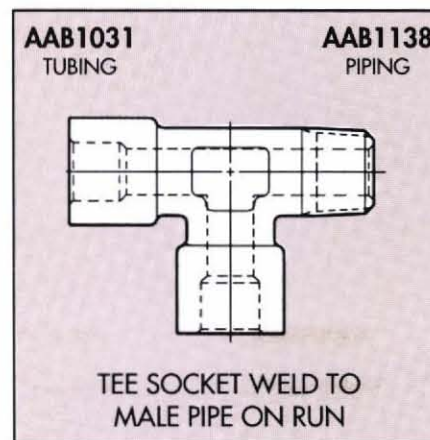
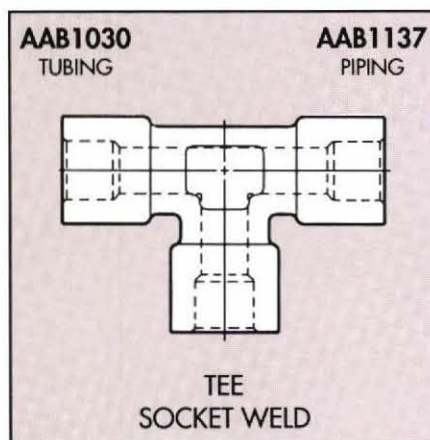
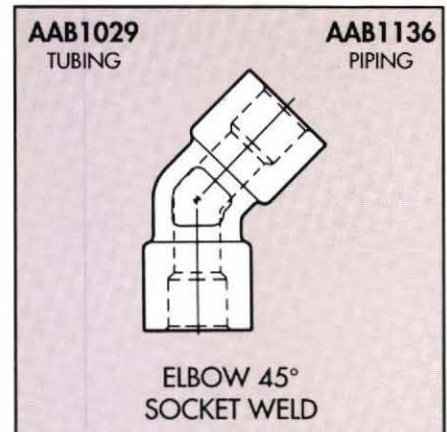
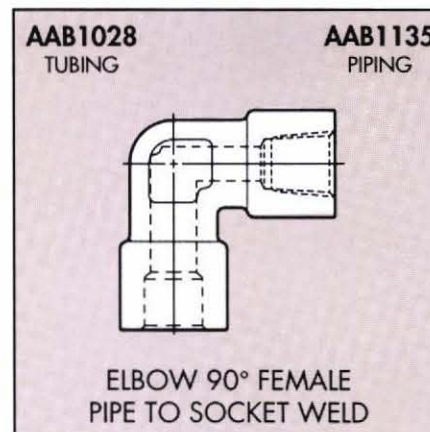
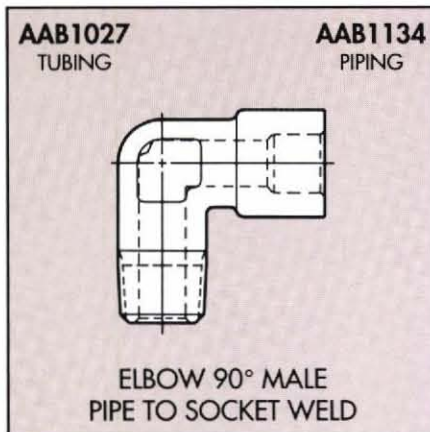
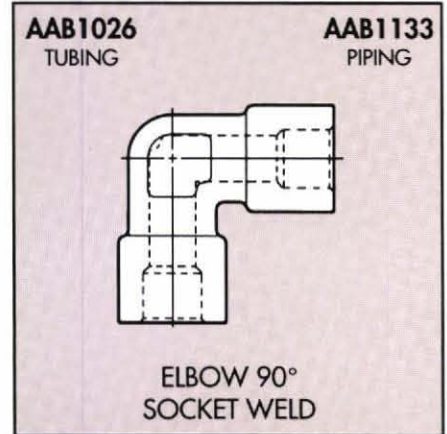
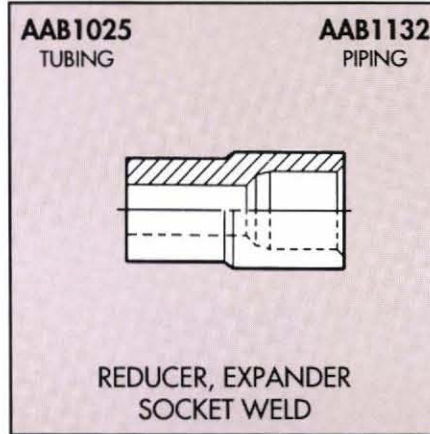
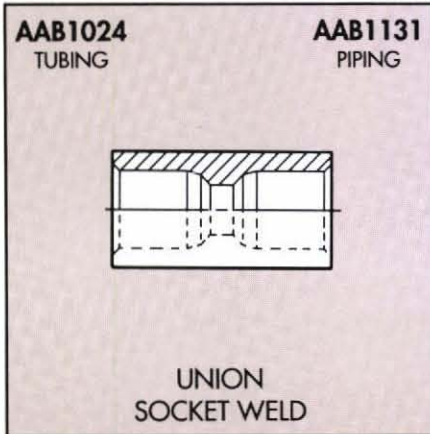


THE WELD FITTINGS IN THIS SECTION ARE INTENDED TO BE SOCKET WELDED ON THE END OF PIPING OR TUBING.

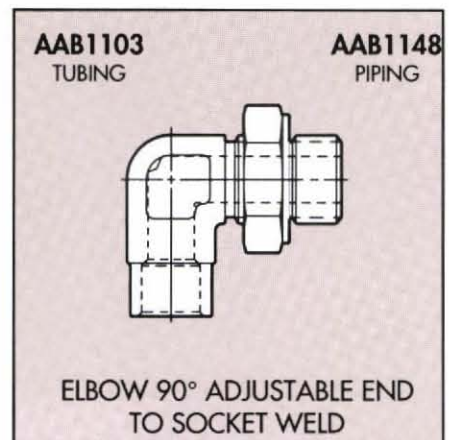
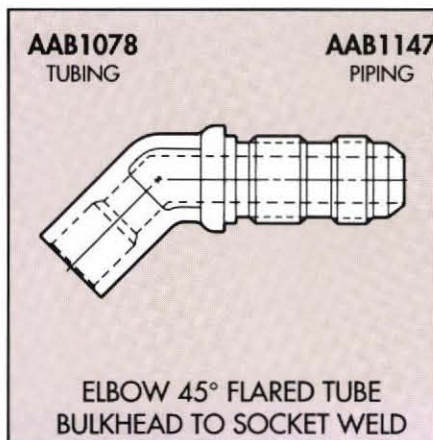
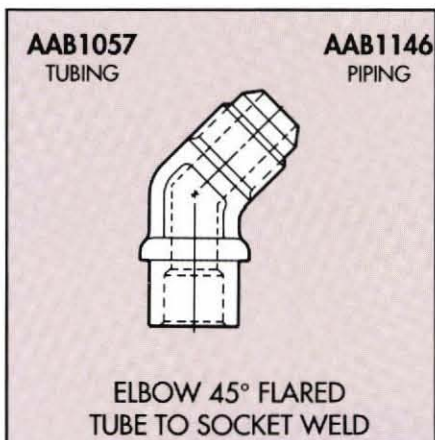
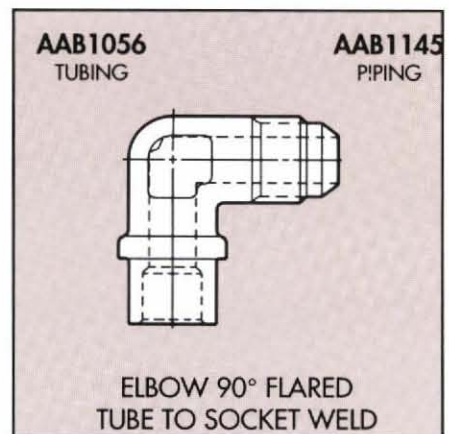
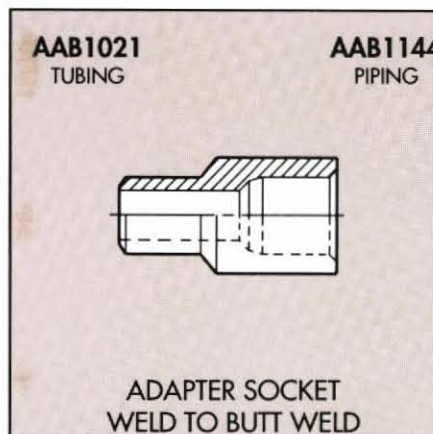
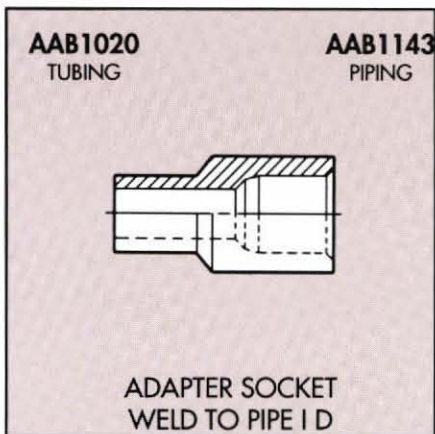
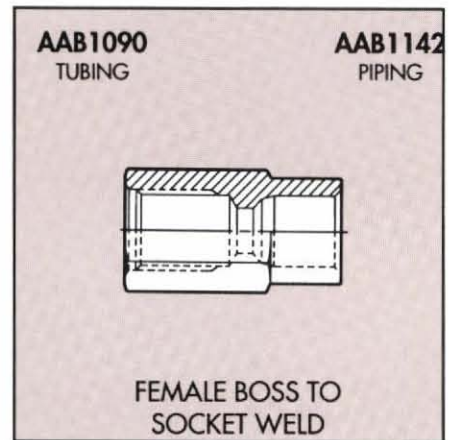
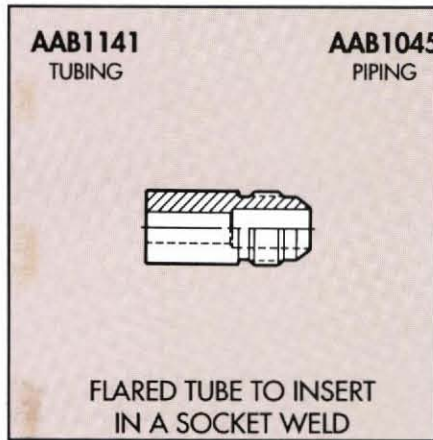
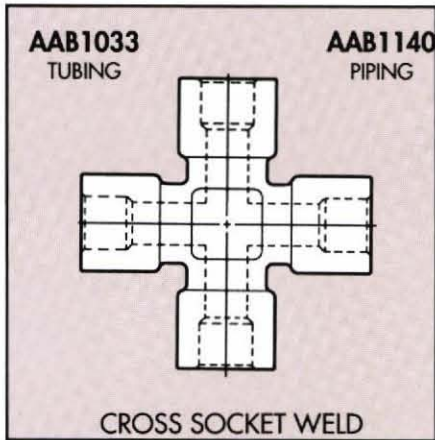
PART NUMBER EXAMPLE:



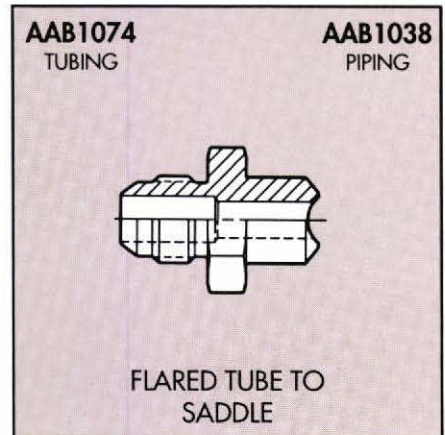
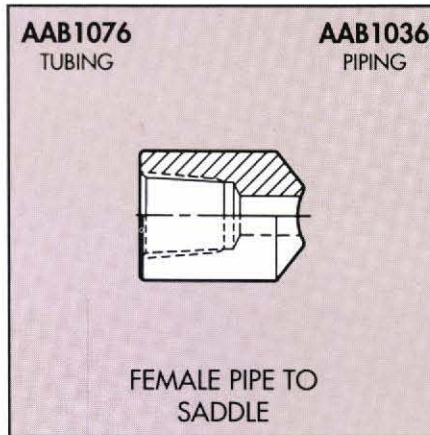
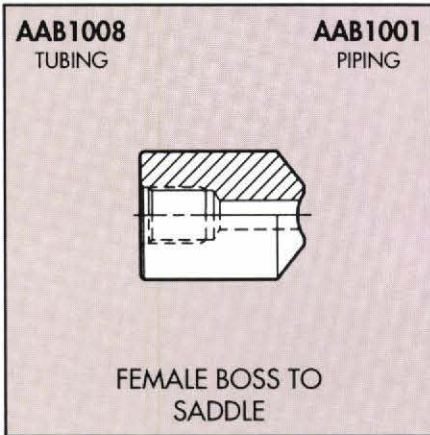
Socket Weld



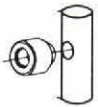
Socket Weld



Saddle Weld

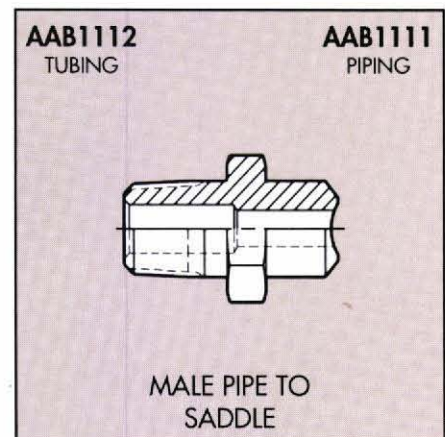
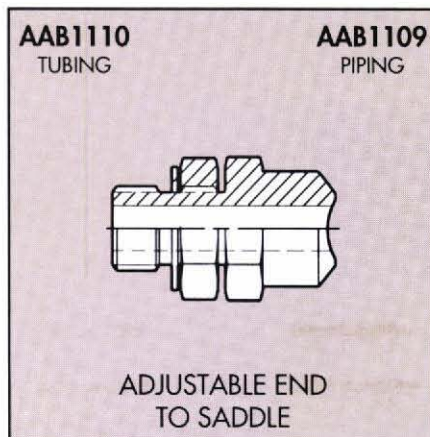
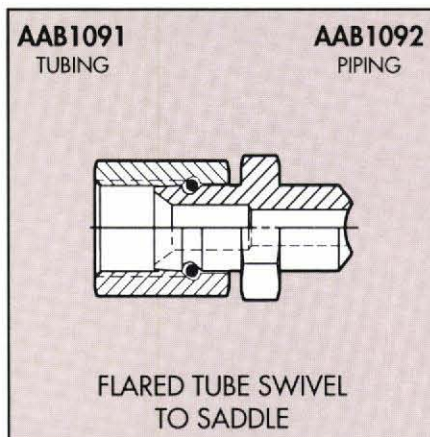
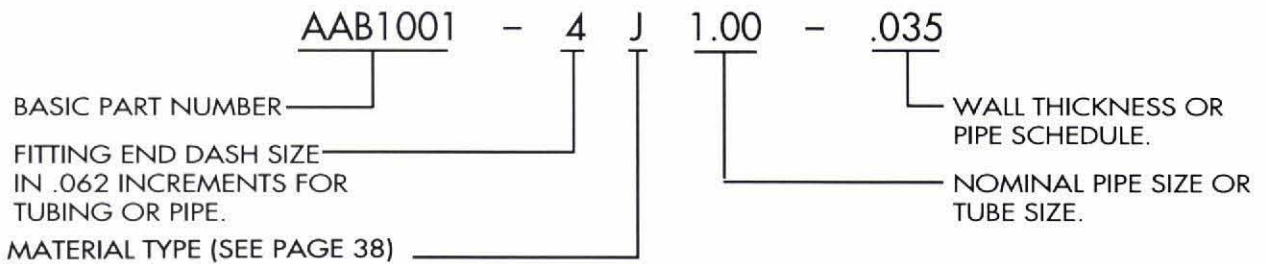


INTENDED USE:

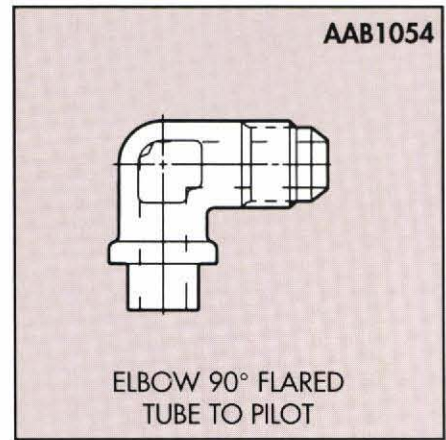
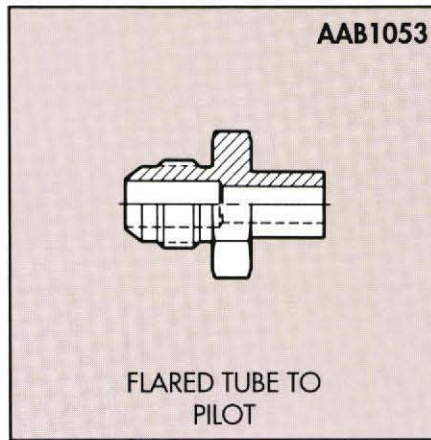
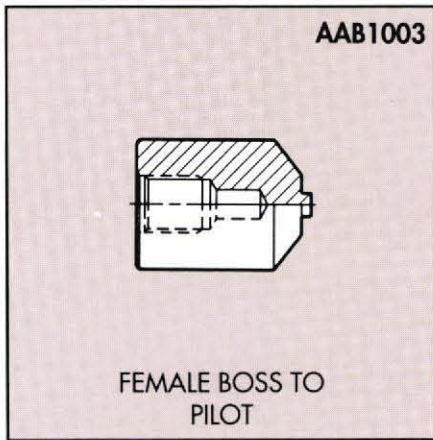


THE WELD FITTINGS IN THIS SECTION ARE INTENDED TO BE WELDED TO THE SIDE OF TUBING OR PIPE.

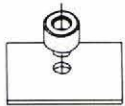
PART NUMBER EXAMPLE:



Pilot Weld

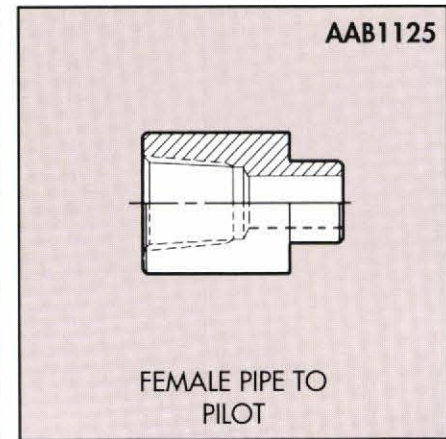
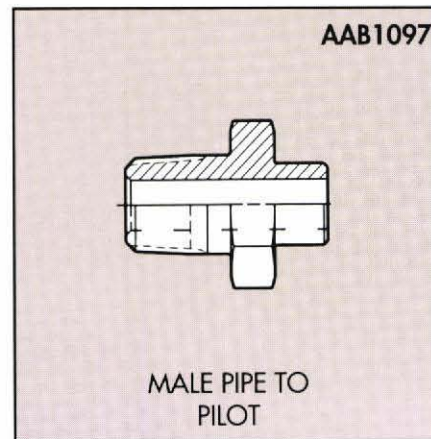
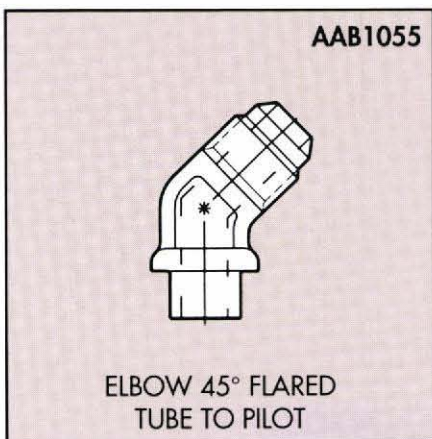
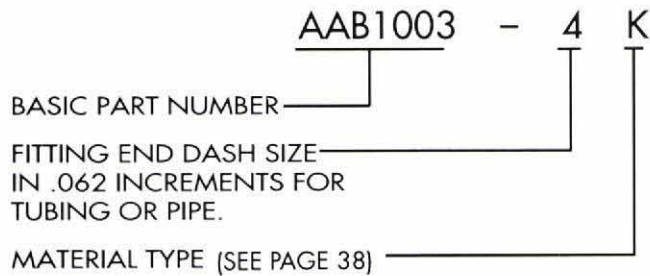


INTENDED USE:



THE WELD FITTINGS IN THIS SECTION ARE INTENDED TO BE INSERTED INTO A PILOT HOLE AND WELDED IN PLACE.

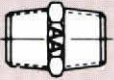




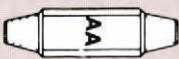
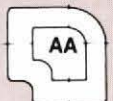
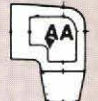

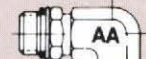
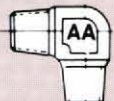



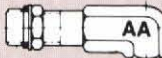
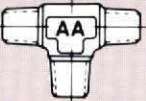
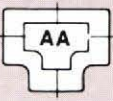
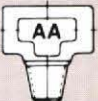

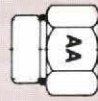
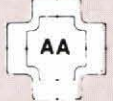
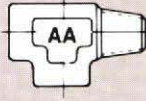

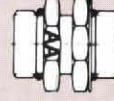


PART NUMBER EXAMPLE:



Industrial Pipe Fittings & Straight Thread Adapters



Fitting Locator

MALE PIPE	FEMALE PIPE	MALE PIPE TO FEMALE PIPE	PLUGS	STRAIGHT THREAD ADAPTERS
AA67041 p.51 PIPE NIPPLE 	AA67040 p.52 PIPE CONNECTOR 	AA67052 p.53 REDUCING CONNECTOR 	AA67043 p.55 SQUARE HEAD PLUG 	AA67054 p.54 FEMALE PIPE ADAPTER 
AA67074 p.51 LONG PIPE NIPPLE 	AA67046 p.52 FEMALE PIPE ELBOW 	AA67044 p.53 STREET ELBOW 	AA67049 p.55 HOLLOW HEX PIPE PLUG 	AA67055 p.57 FEMALE 90° ELBOW 
AA67075 p.51 MALE PIPE ELBOW 	AA67176 p.52 FEMALE PIPE ELBOW 45° 	AA67045 p.53 STREET ELBOW 45° 	AA67050 p.55 HEX HEAD PIPE PLUG 	AA67056 p.57 LONG FEMALE 90° ELBOW 
AA67079 p.51 MALE PIPE TEE 	AA67047 p.52 FEMALE PIPE TEE 	AA670773 p.54 MALE BRANCH TEE 	AA67038 p.56 HEX HEAD PLUG 	AA67058 p.58 REDUCER EXPANDER 
	AA67048 p.53 FEMALE PIPE CROSS 	AA67078 p.54 STREET TEE 	AA67080 p.56 LARGE HEX HEAD PLUG 	AA67057 p.58 UNION 
		AA67042 p.54 PIPE THREAD REDUCER 	AA67053 p.56 HOLLOW HEX PLUG 	

THREADS: Straight threads—unified class 2A and 2B
Pipe threads—Dryseal American (National)
Standard Taper (N.P.T.F.)

MATERIAL: Fittings supplied in 316 stainless steel. Other materials may be available as shown on page 4.

SPECIAL FITTINGS: Fittings in various material or size combinations can be manufactured for your needs.

STRAIGHT THREAD DATA

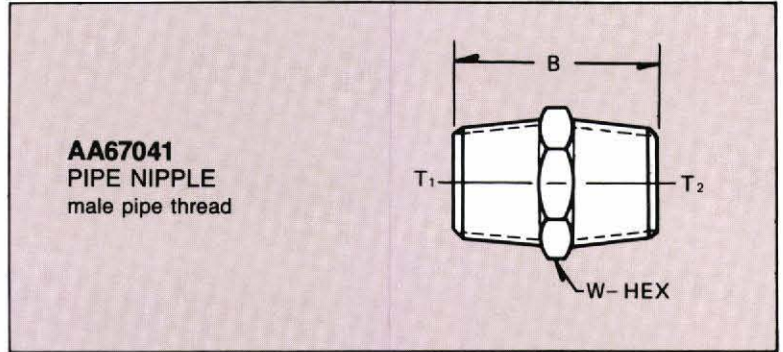
SIZE	TUBE O.D.	STRAIGHT THREAD
2	1/8	3/16-24
3	3/16	3/8-24
4	1/4	1/2-20
5	5/16	1/2-20
6	3/8	5/8-18
8	1/2	3/4-16
10	5/8	7/8-14
12	3/4	1 1/8-12
16	1	1 5/8-12
20	1 1/4	1 3/8-12
24	1 1/2	1 7/8-12
28	1 3/4	1 3/4-12
32	2	2 1/2-12

PIPE THREAD DATA

SIZE	PIPE THREAD
1	1/8
2	1/4
3	3/8
4	1/2
6	3/4
8	1
10	1 1/4
12	1 1/2
16	2

Industrial Pipe Fitting

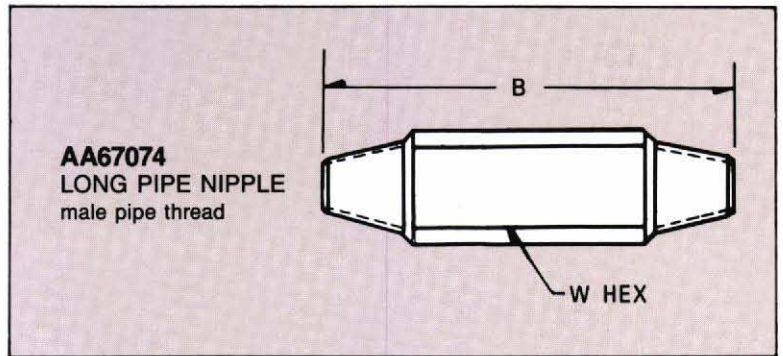
PART NUMBER +	PIPE THREAD T1	PIPE THREAD T2	B	W
AA67041-1K	1/8	1/8	1.00	7/16
AA67041-2K	1/4	1/4	1.45	5/8
AA67041-2-1K	1/4	1/8	1.25	5/8
AA67041-3K	3/8	3/8	1.45	3/4
AA67041-3-1K	3/8	1/8	1.27	3/4
AA67041-3-2K	3/8	1/4	1.45	3/4
AA67041-4K	1/2	1/2	1.87	15/16
AA67041-4-2K	1/2	1/4	1.70	15/16
AA67041-4-3K	1/2	3/8	1.87	15/16
AA67041-6K	3/4	3/4	1.94	1 1/8
AA67041-6-4K	3/4	1/2	1.97	1 1/8
AA67041-8K	1	1	2.34	1 3/8
AA67041-10K	1 1/4	1 1/4	2.37	1 3/4
AA67041-10-8K	1 1/4	1	2.45	1 3/4
AA67041-12K	1 1/2	1 1/2	2.63	2
AA67041-16K	2	2	2.78	2 1/2



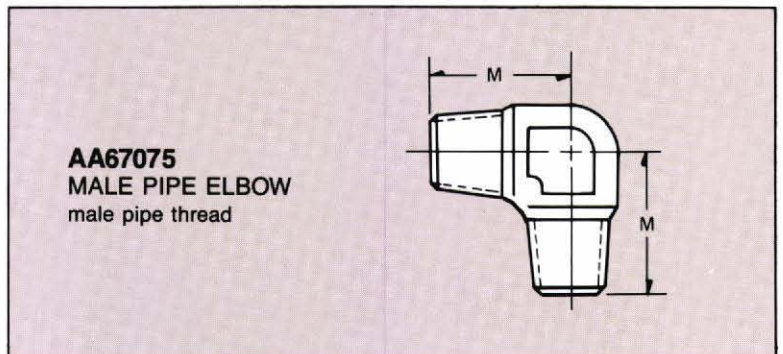
PART NUMBER +	MALE PIPE THREAD	B	W
AA67074-1K	1/8	*	7/16
AA67074-2K	1/4	*	5/8
AA67074-3K	3/8	*	3/4
AA67074-4K	1/2	*	7/8

*SPECIFY LENGTH

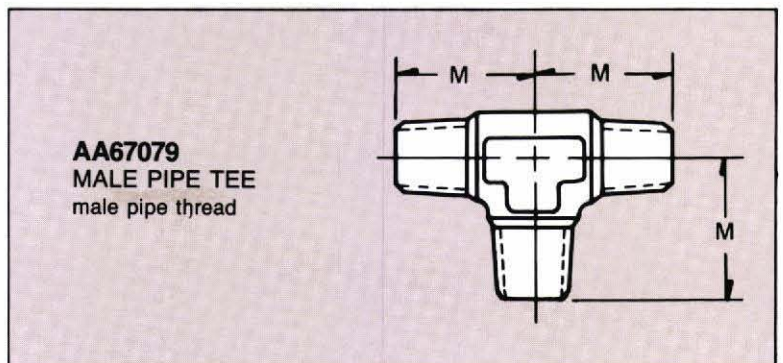
+ Material K316SS • See page 4 for How To Order
• Additional sizes available



PART NUMBER +	MALE PIPE THREAD	M
AA67075-1K	1/8	.78
AA67075-2K	1/4	1.09
AA67075-3K	3/8	1.22
AA67075-4K	1/2	1.47
AA67075-6K	3/4	1.59
AA67075-8K	1	1.97
AA67075-10K	1 1/4	2.38
AA67075-12K	1 1/2	2.64
AA67075-16K	2	3.00

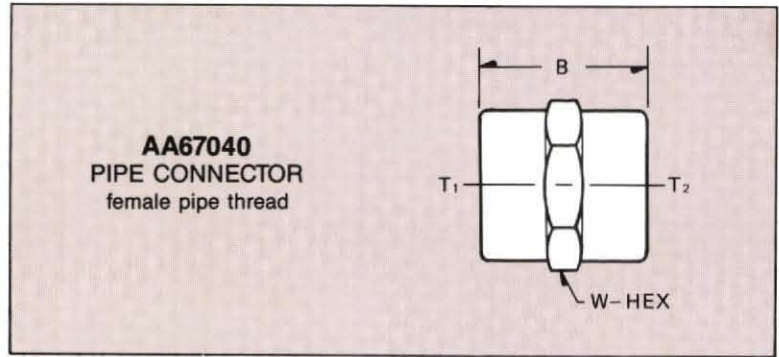


PART NUMBER +	MALE PIPE THREAD	M
AA67079-1K	1/8	.78
AA67079-2K	1/4	1.09
AA67079-3K	3/8	1.22
AA67079-4K	1/2	1.47
AA67079-6K	3/4	1.59
AA67079-8K	1	1.97
AA67079-10K	1 1/4	2.38
AA67079-12K	1 1/2	2.64
AA67079-16K	2	3.00

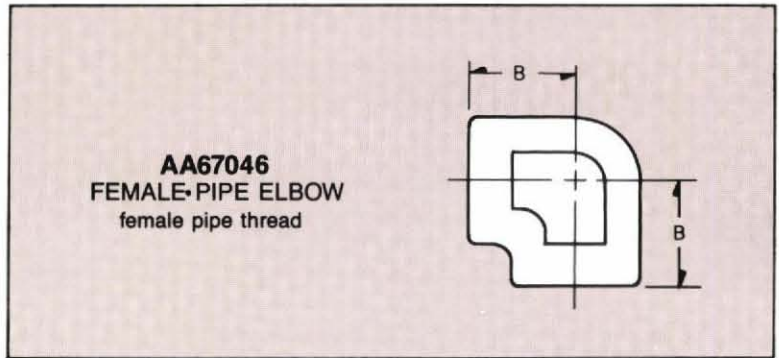


Industrial Pipe Fitting

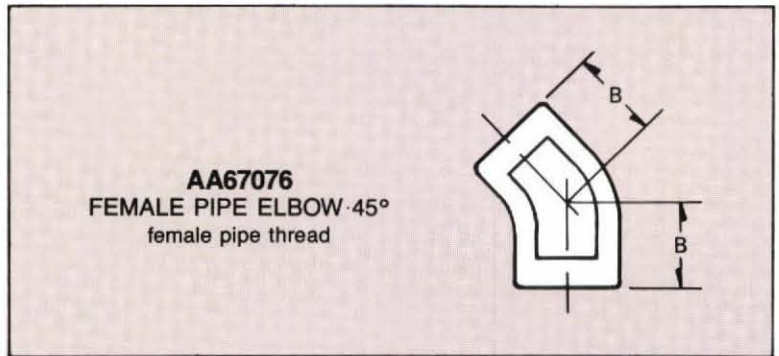
PART NUMBER +	PIPE THREAD T1	PIPE THREAD T2	B	W
AA67040-1K	1/8	1/8	.81	5/8
AA67040-2K	1/4	1/4	1.13	1 3/16
AA67040-2-1K	1/4	1/8	.94	1 3/16
AA67040-3K	3/8	3/8	1.18	1 5/16
AA67040-3-1K	3/8	1/8	1.03	1 5/16
AA67040-3-2K	3/8	1/4	1.13	1 5/16
AA67040-4K	1/2	1/2	1.56	1 3/16
AA67040-4-2K	1/2	1/4	1.38	1 3/16
AA67040-4-3K	1/2	3/8	1.50	1 3/16
AA67040-6K	3/4	3/4	1.59	1 3/8
AA67040-6-4K	3/4	1/2	1.88	1 3/8
AA67040-8K	1	1	1.90	1 3/4
AA67040-10K	1 1/4	1 1/4	1.94	2 1/8
AA67040-10-8K	1 1/4	1	1.94	2 1/8
AA67040-12K	1 1/2	1 1/2	1.94	2 3/8
AA67040-16K	2	2	1.97	2 7/8



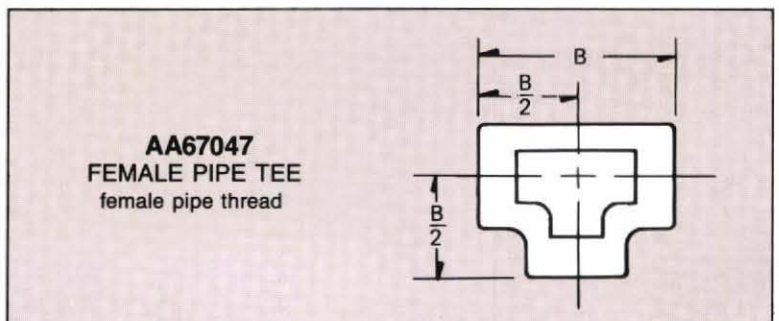
PART NUMBER +	FEMALE PIPE THREAD	B
AA67046-1K	1/8	.66
AA67046-2K	1/4	.89
AA67046-3K	3/8	1.01
AA67046-4K	1/2	1.23
AA67046-6K	3/4	1.36
AA67046-8K	1	1.63
AA67046-10K	1 1/4	1.70
AA67046-12K	1 1/2	2.03
AA67046-16K	2	2.39



PART NUMBER +	FEMALE PIPE THREAD	B
AA67076-1K	1/8	.50
AA67076-2K	1/4	.69
AA67076-3K	3/8	.75
AA67076-4K	1/2	.94
AA67076-6K	3/4	1.00
AA67076-8K	1	1.19
AA67076-10K	1 1/4	1.44
AA67076-12K	1 1/2	1.46
AA67076-16K	2	1.59



PART NUMBER +	FEMALE PIPE THREAD	B
AA67047-1K	1/8	1.31
AA67047-2K	1/4	1.78
AA67047-3K	3/8	1.98
AA67047-4K	1/2	2.47
AA67047-6K	3/4	2.72
AA67047-8K	1	3.25
AA67047-10K	1 1/4	3.41
AA67047-12K	1 1/2	4.06
AA67047-16K	2	4.78



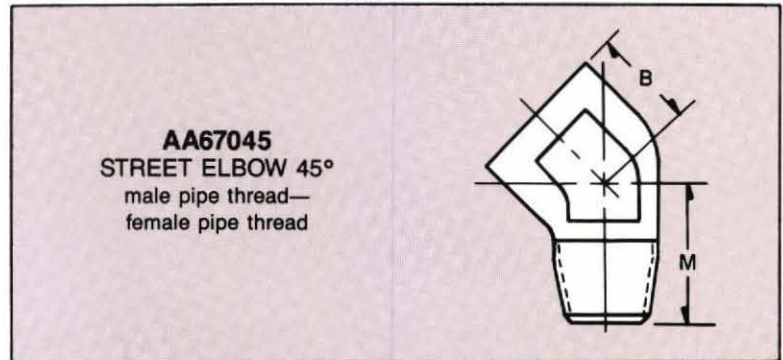
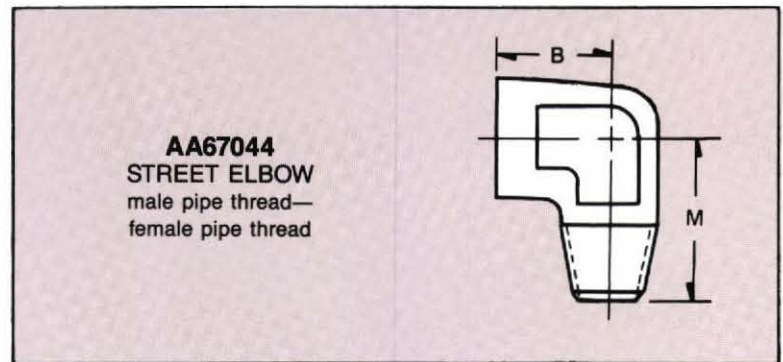
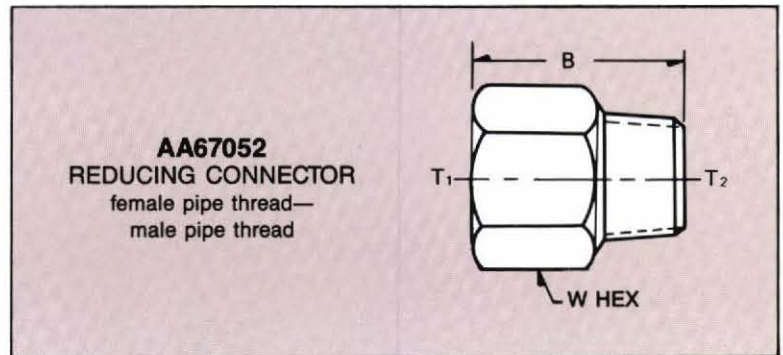
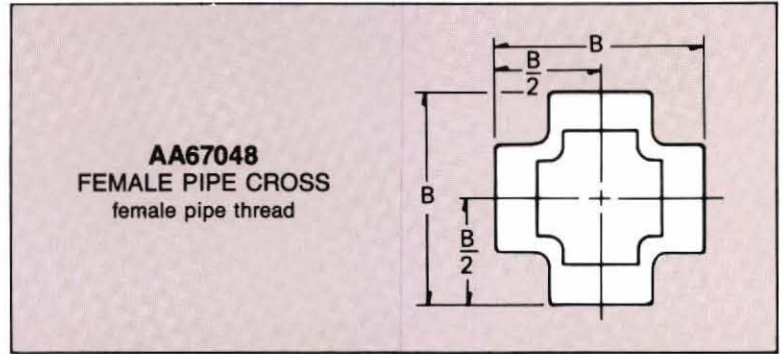
PART NUMBER +	FEMALE PIPE THREAD	B
AA67048-1K	1/8	1.31
AA67048-2K	1/4	1.78
AA67048-3K	3/8	1.98
AA67048-4K	1/2	2.47
AA67048-6K	3/4	2.72
AA67048-8K	1	3.25
AA67048-10K	1 1/4	3.41
AA67048-12K	1 1/2	4.03
AA67048-16K	2	4.60

PART NUMBER +	FEMALE PIPE THREAD T1	MALE PIPE THREAD T2	B	W
AA67052-2-1K	1/4	1/8	1.22	3/4
AA67052-3-2K	3/8	1/4	1.44	7/8
AA67052-4-1K	1/2	1/8	1.50	1 1/8
AA67052-4-2K	1/2	1/4	1.69	1 1/8
AA67052-4-3K	1/2	3/8	1.69	1 1/8
AA67052-6-2K	3/4	1/4	1.78	1 3/8
AA67052-6-4K	3/4	1/2	1.94	1 3/8
AA67052-8-4K	1	1/2	2.16	1 5/8
AA67052-8-6K	1	3/4	2.19	1 5/8
AA67052-10-8K	1 1/4	1	2.47	2
AA67052-12-10K	1 1/2	1 1/4	2.50	2 3/8
AA67052-16-12K	2	1 1/2	2.63	2 7/8

PART NUMBER +	PIPE THREAD	B	M
AA67044-1K	1/8	.65	.85
AA67044-2K	1/4	.88	1.21
AA67044-3K	3/8	.98	1.29
AA67044-4K	1/2	1.22	1.60
AA67044-6K	3/4	1.36	1.73
AA67044-8K	1	1.63	2.10
AA67044-10K	1 1/4	1.75	2.30
AA67044-12K	1 1/2	2.03	2.64
AA67044-16K	2	2.39	3.00

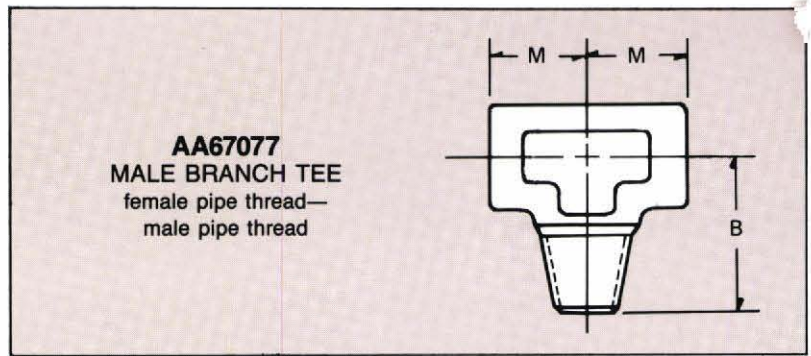
PART NUMBER +	PIPE THREAD	B	M
AA67045-1K	1/8	.47	.72
AA67045-2K	1/4	.63	1.05
AA67045-3K	3/8	.72	1.06
AA67045-4K	1/2	.91	1.34
AA67045-6K	3/4	.97	1.38
AA67045-8K	1	1.13	1.72
AA67045-10K	1 1/4	1.20	1.87
AA67045-12K	1 1/2	1.69	2.06
AA67045-16K	2	2.22	2.16

+ Material K316SS • See page 4 for How To Order
 • Additional sizes available

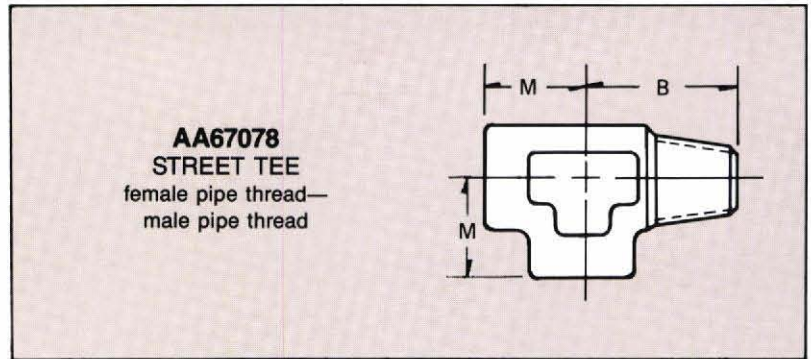


Industrial Pipe Fittings

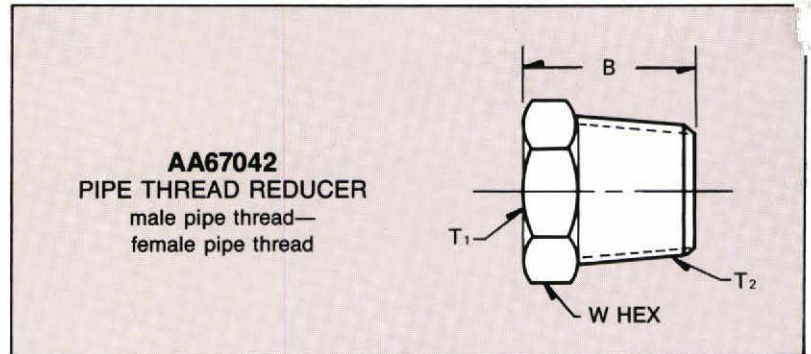
PART NUMBER +	PIPE THREAD	B	M
AA67077-1K	1/8	.78	.66
AA67077-2K	1/4	1.09	.88
AA67077-3K	3/8	1.22	1.02
AA67077-4K	1/2	1.47	1.23
AA67077-6K	3/4	1.59	1.36
AA67077-8K	1	1.97	1.62
AA67077-10K	1 1/4	2.38	1.70
AA67077-12K	1 1/2	2.64	2.08
AA67077-16K	2	3.00	2.39



PART NUMBER +	PIPE THREAD	B	M
AA67078-1K	1/8	.78	.66
AA67078-2K	1/4	1.09	.88
AA67078-3K	3/8	1.22	1.02
AA67078-4K	1/2	1.47	1.23
AA67078-6K	3/4	1.59	1.36
AA67078-8K	1	1.97	1.62
AA67078-10K	1 1/4	2.38	1.70
AA67078-12K	1 1/2	2.64	2.08
AA67078-16K	2	3.00	2.39

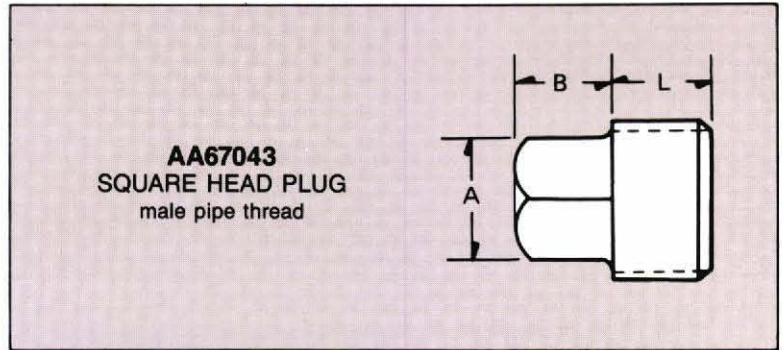


PART NUMBER +	MALE PIPE THREAD T2	FEMALE PIPE THREAD T1	B	W
AA67042-1K	1/4	1/8	.81	5/8
AA67042-2K	3/8	1/4	.81	3/4
AA67042-3K	3/8	1/8	.81	3/4
AA67042-4K	1/2	3/8	1.05	15/16
AA67042-5K	1/2	1/4	1.05	15/16
AA67042-6K	1/2	1/8	1.05	15/16
AA67042-7K	3/4	1/2	1.09	1 1/8
AA67042-8K	3/4	3/8	1.09	1 1/8
AA67042-9K	3/4	1/4	1.09	1 1/8
AA67042-10K	1	3/4	1.28	1 3/8
AA67042-10-6K	1 1/4	3/4	1.31	1 3/4
AA67042-10-8K	1 1/4	1	1.48	1 3/4
AA67042-11K	1	1/2	1.28	1 3/8
AA67042-12K	1	3/8	1.28	1 3/8
AA67042-12-4K	1 1/2	1/2	1.56	2
AA67042-12-6K	1 1/2	3/4	1.56	2
AA67042-12-8K	1 1/2	1	1.56	2
AA67042-12-10K	1 1/2	1 1/4	1.56	2
AA67042-16-8K	2	1	1.75	2 1/2
AA67042-16-10K	2	1 1/4	1.75	2 1/2
AA67042-16-12K	2	1 1/2	1.75	2 1/2

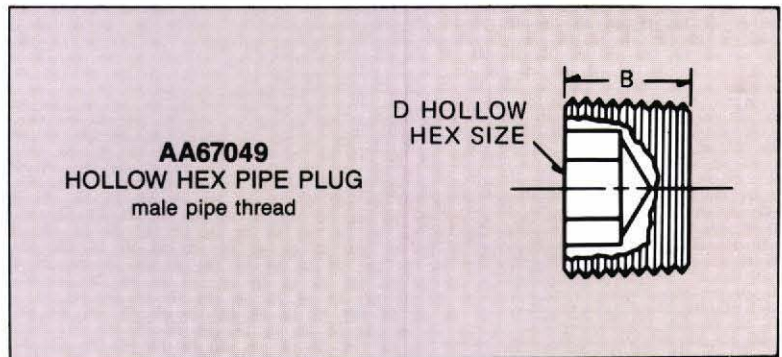


+ Material K316SS • See page 4 for How To Order
• Additional sizes available

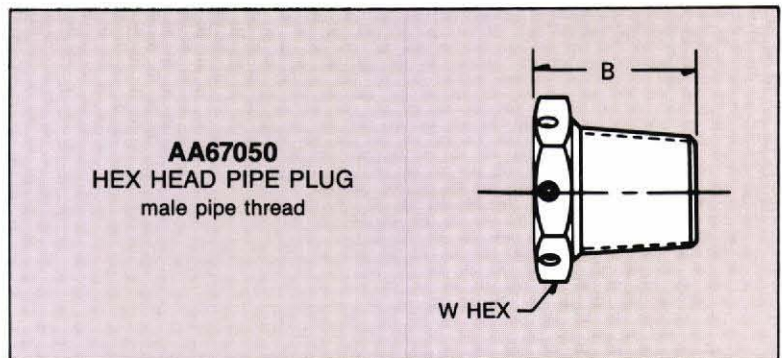
PART NUMBER +	MALE PIPE THREAD	A SQUARE	B	L
AA67043-1K	1/8	9/32	.25	.34
AA67043-2K	1/4	3/8	.28	.50
AA67043-3K	3/8	7/16	.31	.50
AA67043-4K	1/2	9/16	.38	.64
AA67043-6K	3/4	5/8	.45	.66
AA67043-8K	1	13/16	.51	.81
AA67043-10K	1 1/4	15/16	.56	.84
AA67043-12K	1 1/2	1 1/8	.63	.84
AA67043-16K	2	1 5/16	.69	.86



PART NUMBER +	MALE PIPE THREAD	B	D
AA67049-1K	1/16	.28	5/32
AA67049-2K	1/8	.28	3/16
AA67049-3K	1/4	.42	1/4
AA67049-4K	3/8	.42	5/16
AA67049-5K	1/2	.54	3/8
AA67049-6K	3/4	.55	9/16
AA67049-7K	1	.69	5/8
AA67049-8K	1 1/4	.71	3/4



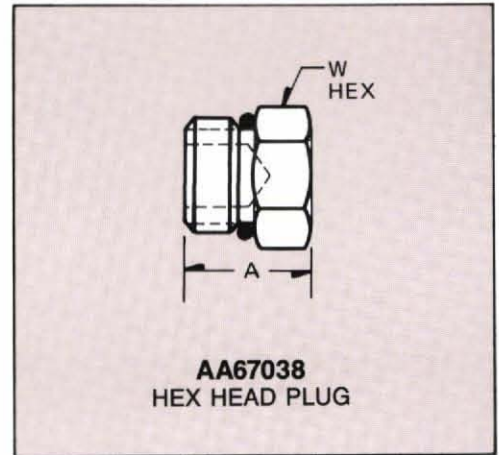
PART NUMBER +	MALE PIPE THREAD	B	W
AA67050-1K	1/8	.61	7/16
AA67050-2K	1/4	.83	5/8
AA67050-3K	3/8	.91	3/4
AA67050-4K	1/2	1.09	15/16
AA67050-6K	3/4	1.17	1 1/8
AA67050-8K	1	1.39	1 3/8
AA67050-10K	1 1/4	1.42	1 3/4
AA67050-12K	1 1/2	1.44	2
AA67050-16K	2	1.47	2 1/2



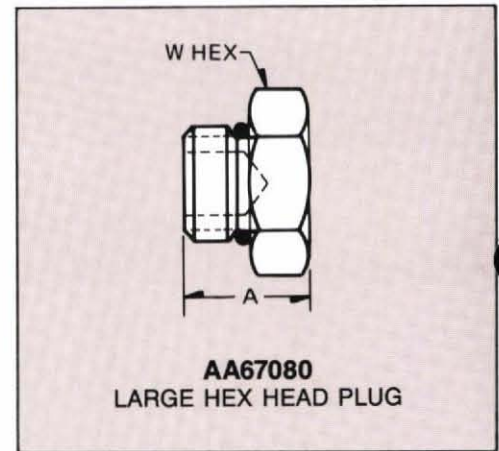
+ Material K316SS • See page 4 for How To Order
• Additional sizes available

Straight Thread Adapters

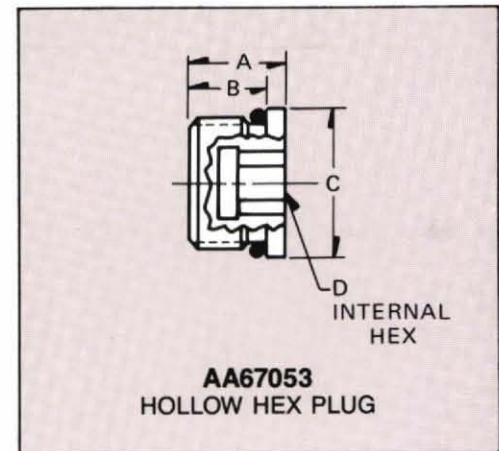
PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A	W
AA67038-2K	1/8	5/16-24	.60	7/16
AA67038-3K	3/16	3/8-24	.60	1/2
AA67038-4K	1/4	7/16-20	.67	9/16
AA67038-5K	5/16	1/2-20	.67	5/8
AA67038-6K	3/8	9/16-18	.73	11/16
AA67038-8K	1/2	3/4-16	.80	7/8
AA67038-10K	5/8	7/8-14	.93	1
AA67038-12K	3/4	1 1/16-12	1.09	1 1/4
AA67038-16K	1	1 5/16-12	1.12	1 1/2
AA67038-20K	1 1/4	1 5/8-12	1.20	1 7/8
AA67038-24K	1 1/2	1 7/8-12	1.27	2 1/8
AA67038-28K	1 3/4	2 1/4-12	1.35	2 1/2
AA67038-32K	2	2 1/2-12	1.43	2 3/4



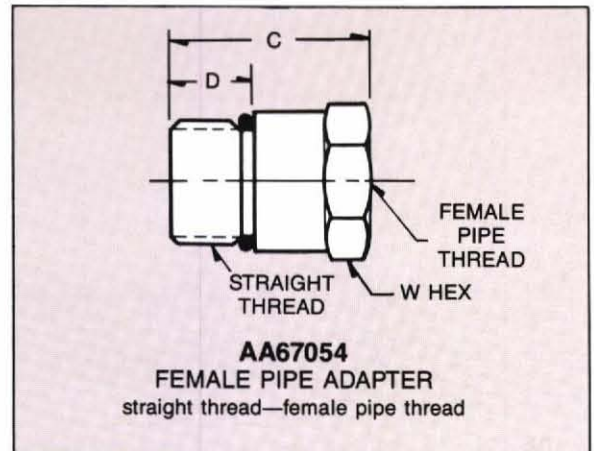
PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A	W
AA67080-2K	1/8	5/16-24	.60	9/16
AA67080-3K	3/16	3/8-24	.60	5/8
AA67080-4K	1/4	7/16-20	.67	1 1/16
AA67080-5K	5/16	1/2-20	.67	3/4
AA67080-6K	3/8	9/16-18	.73	13/16
AA67080-8K	1/2	3/4-16	.80	1
AA67080-10K	5/8	7/8-14	.93	1 1/8
AA67080-12K	3/4	1 1/16-12	1.09	1 3/8
AA67080-16K	1	1 5/16-12	1.12	1 5/8
AA67080-20K	1 1/4	1 5/8-12	1.20	1 7/8
AA67080-24K	1 1/2	1 7/8-12	1.27	2 1/8
AA67080-28K	1 3/4	2 1/4-12	1.35	2 1/2
AA67080-32K	2	2 1/2-12	1.43	2 3/4



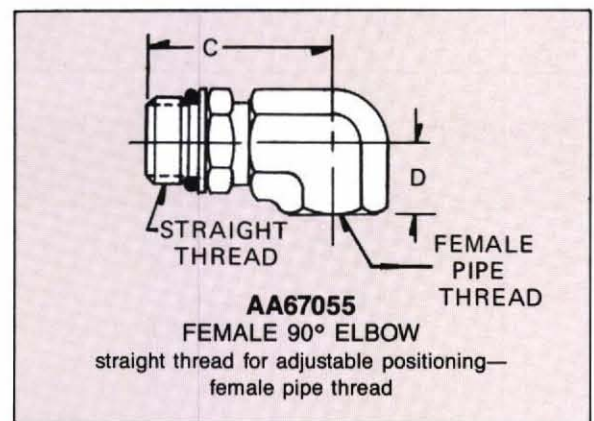
PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A	B	C	D
AA67053-2K	1/8	5/16-24	.38	.30	.44	1/8
AA67053-3K	3/16	3/8-24	.38	.30	.50	1/8
AA67053-4K	1/4	7/16-20	.45	.36	.56	3/16
AA67053-5K	5/16	1/2-20	.45	.36	.63	3/16
AA67053-6K	3/8	9/16-18	.48	.39	.69	1/4
AA67053-8K	1/2	3/4-16	.56	.44	.88	5/16
AA67053-10K	5/8	7/8-14	.63	.50	1.00	3/8
AA67053-12K	3/4	1 1/16-12	.75	.59	1.25	9/16
AA67053-16K	1	1 5/16-12	.75	.59	1.50	5/8
AA67053-20K	1 1/4	1 5/8-12	.75	.59	1.88	3/4



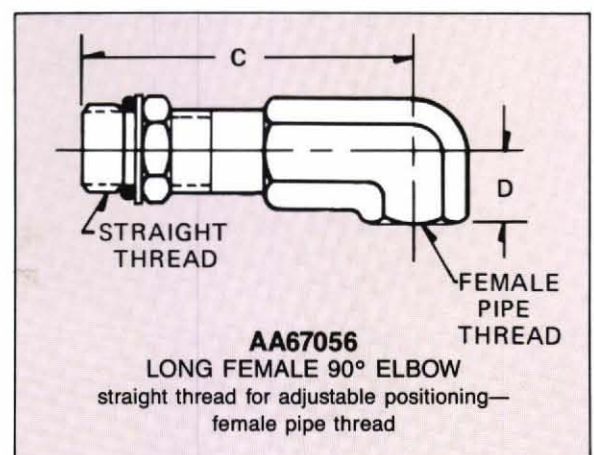
PART NUMBER+	TUBE O.D.	STRAIGHT THREAD	FEMALE PIPE THREAD	C	D	W
AA67054-6K	3/8	9/16-18	1/4	1.09	.391	3/4
AA67054-8K	1/2	3/4-16	3/8	1.22	.438	7/8
AA67054-8-4K	1/2	3/4-16	1/4	1.06	.440	7/8
AA67054-8-8K	1/2	3/4-16	1/2	1.44	.440	1 1/8
AA67054-10K	5/8	7/8-14	1/2	1.50	.500	1 1/8
AA67054-10-4K	5/8	7/8-14	1/4	.81	.500	1
AA67054-10-6K	5/8	7/8-14	3/8	1.25	.500	1
AA67054-10-12K	5/8	7/8-14	3/4	1.63	.500	1 3/8
AA67054-12K	3/4	1 1/16-12	3/4	1.66	.594	1 3/8
AA67054-12-8K	3/4	1 1/16-12	1/2	1.34	.594	1 1/4
AA67054-16K	1	1 5/16-12	1	1.88	.594	1 5/8
AA67054-16-8K	1	1 5/16-12	1/2	1.00	.594	1 1/2
AA67054-16-12K	1	1 5/16-12	3/4	1.50	.594	1 1/2
AA67054-20K	1 1/4	1 5/8-12	1 1/4	1.94	.594	2
AA67054-20-16K	1 1/4	1 5/8-12	1	1.00	.594	1 7/8
AA67054-24K	1 1/2	1 7/8-12	1 1/2	2.00	.594	2 1/4
AA67054-24-16K	1 1/2	1 7/8-12	1	1.00	.594	2 1/8
AA67054-24-20K	1 1/2	1 7/8-12	1 1/4	1.00	.594	2 1/4
AA67054-32K	2	2 1/2-12	2	2.06	.594	2 7/8
AA67054-32-16K	2	2 1/2-12	1	1.00	.594	2 3/4
AA67054-32-20K	2	2 1/2-12	1 1/4	1.00	.594	2 3/4
AA67054-32-24K	2	2 1/2-12	1 1/2	1.00	.594	2 3/4



PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	FEMALE PIPE THREAD	C	D
AA67055-4K	1/4	7/16-20	1/8	1.21	.54
AA67055-6K	3/8	9/16-18	1/4	1.36	.59
AA67055-8K	1/2	3/4-16	3/8	1.47	.63
AA67055-10K	5/8	7/8-14	1/2	1.81	.75
AA67055-12K	3/4	1 1/16-12	3/4	2.00	.81
AA67055-16K	1	1 5/16-12	1	2.25	1.00

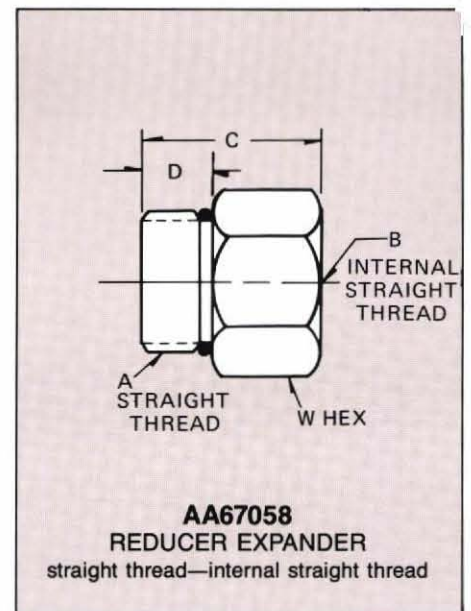


PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	FEMALE PIPE THREAD	C	D
AA67056-4K	1/4	7/16-20	1/8	2.00	.54
AA67056-6K	3/8	9/16-18	1/4	2.44	.59
AA67056-8K	1/2	3/4-16	3/8	2.94	.63
AA67056-10K	5/8	7/8-14	1/2	3.56	.75
AA67056-12K	3/4	1 1/16-12	3/4	4.13	.81
AA67056-16K	1	1 5/16-12	1	4.63	1.00

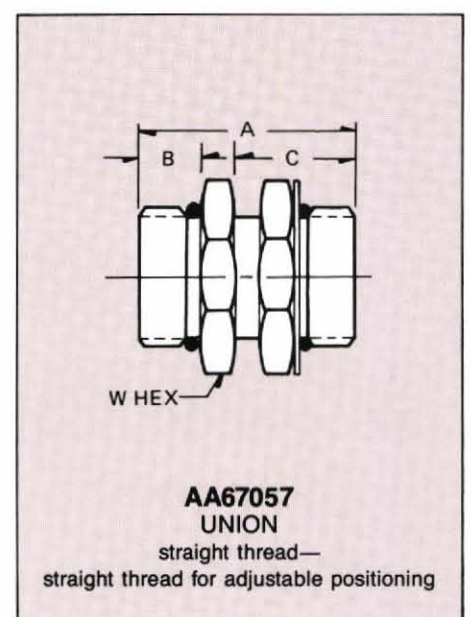


Straight Thread Adapters

PART NUMBER +	TUBE O.D. A	TUBE O.D. B	STRAIGHT THREAD A	STRAIGHT THREAD B	C	D	W
AA67058-4-5K	1/4	5/16	7/16-20	1/2-20	1.08	.36	3/4
AA67058-4-6K	1/4	3/8	7/16-20	9/16-18	1.16	.36	13/16
AA67058-6-4K	3/8	1/4	9/16-18	7/16-20	.97	.39	11/16
AA67058-6-8K	3/8	1/2	9/16-18	3/4-16	1.38	.39	11/8
AA67058-8-6K	1/2	3/8	3/4-16	9/16-18	1.06	.44	7/8
AA67058-8-10K	1/2	5/8	3/4-16	7/8-14	1.56	.44	11/8
AA67058-10-6K	5/8	3/8	7/8-14	9/16-18	.81	.50	1
AA67058-10-8K	5/8	1/2	7/8-14	3/4-16	1.31	.50	1
AA67058-10-12K	5/8	3/4	7/8-14	11/16-12	1.69	.50	13/8
AA67058-12-8K	3/4	1/2	11/16-12	3/4-16	1.00	.59	17/8
AA67058-12-10K	3/4	5/8	11/16-12	7/8-14	1.44	.59	11/4
AA67058-12-16K	3/4	1	11/16-12	15/16-12	1.88	.59	15/8
AA67058-16-8K	1	1/2	15/16-12	3/4-16	1.00	.59	11/2
AA67058-16-12K	1	3/4	15/16-12	11/16-12	1.75	.59	11/2
AA67058-16-20K	1	11/4	15/16-12	15/8-12	1.97	.59	21/8
AA67058-20-10K	11/4	5/8	15/8-12	7/8-14	1.00	.59	17/8
AA67058-20-12K	11/4	3/4	15/8-12	11/16-12	1.00	.59	17/8
AA67058-20-16K	11/4	1	15/8-12	15/16-12	1.00	.59	17/8
AA67058-20-24K	11/4	11/2	15/8-12	17/8-12	1.88	.59	21/2
AA67058-24-12K	11/2	3/4	17/8-12	11/16-12	1.00	.59	21/8
AA67058-24-16K	11/2	1	17/8-12	15/16-12	1.00	.59	21/8
AA67058-24-20K	11/2	11/4	17/8-12	15/8-12	1.00	.59	21/8
AA67058-32-16K	2	1	21/2-12	15/16-12	1.00	.59	23/4
AA67058-32-20K	2	11/4	21/2-12	15/8-12	1.00	.59	23/4
AA67058-32-24K	2	11/2	21/2-12	17/8-12	1.00	.59	23/4



PART NUMBER +	TUBE O.D.	STRAIGHT THREAD	A	B	C	W
AA67057-2K	1/8	5/16-24	1.16	.30	.61	7/16
AA67057-3K	3/16	3/8-24	1.16	.30	.61	1/2
AA67057-4K	1/4	7/16-20	1.22	.36	.70	9/16
AA67057-5K	5/16	1/2-20	1.22	.36	.70	5/8
AA67057-6K	3/8	9/16-18	1.41	.39	.77	11/16
AA67057-8K	1/2	3/4-16	1.56	.44	.88	7/8
AA67057-10K	5/8	7/8-14	1.81	.50	1.02	1
AA67057-12K	3/4	11/16-12	2.13	.59	1.16	11/4
AA67057-16K	1	15/16-12	2.13	.59	1.16	11/2
AA67057-20K	11/4	15/8-12	2.13	.59	1.16	17/8
AA67057-24K	11/2	17/8-12	2.13	.59	1.16	21/8
AA67057-32K	2	21/2-12	2.13	.59	1.16	23/4



Stainless Steel Weight Chart

SIZE	AA67000	AA67001	AA67002	AA67003	AA67004	AA67005	AA67006	AA67007	AA67008	AA67009	AA67010	AA67011	AA67012	AA67013	AA67014
2	0.027	0.036	0.040	0.029	0.030	0.050	0.022	0.030			0.022	0.039	0.039	0.041	
3	0.030	0.042	0.045	0.037	0.045	0.070	0.028	0.033			0.025	0.047	0.047		
4	0.034	0.042	0.050	0.050	0.067	0.112	0.030	0.047	0.059	0.072	0.033	0.079	0.079	0.034	0.080
4-4							0.042	0.059	0.059	0.072	0.063			0.092	0.165
5	0.041	0.050	0.080	0.067	0.095	0.120	0.036	0.056	0.077	0.087	0.047	0.081	0.081	0.049	0.079
5-4							0.048	0.067			0.069			0.089	0.163
6-2							0.047	0.078			0.062				0.082
6-4															
6	0.056	0.072	0.100	0.078	0.098	0.115	0.047	0.087	0.128	0.158	0.061	0.161	0.161	0.088	0.158
6-6							0.070	0.101			0.107			0.110	0.227
6-8							0.095	0.126			0.156				
8-4							0.092	0.180			0.127				0.178
8	0.113	0.134	0.200	0.192	0.120	0.323	0.100	0.183	0.244	0.288	0.117	0.328	0.328	0.140	0.254
8-8							0.157	0.260			0.200			0.256	0.419
10-4															
10-6							0.154	0.274			0.208				
10	0.176	0.204	0.300	0.289	0.378	0.495	0.168	0.263	0.404	0.466	0.179	0.499	0.499	0.266	0.415
10-12															
12-4															
12-6															
12-8							0.241	0.375			0.300			0.297	0.433
12	0.296	0.355	0.475	0.436	0.604	0.786	0.266	0.400	0.556	0.785	0.316	0.801	0.801	0.414	0.695
12-16															
16-8															
16-12							0.333	0.613			0.450	1.140	1.140		
16	0.398	0.467	0.700	0.659	0.826	1.080	0.397	0.658	0.958	1.140	0.644	1.230	1.230	0.750	1.150
20-12															
20	0.608	0.669	1.200	1.162	1.420	1.830	0.610	1.008	2.250		1.740	1.680	1.680	0.965	1.570
20-16												2.050	2.050		
24-12															
24-16															
24-20												2.350	2.350		
24	0.827	0.874		1.528	1.596	2.520	0.880	1.415	1.738	2.046				1.160	3.440
28	1.424	1.484		2.150	2.567	4.750	0.896	1.960	3.876	4.564	1.316	3.800	3.800		
32-20															
32-24															
32	1.939	2.100		2.794	2.996	5.900	1.176	2.324	4.430	5.217	1.624	4.700	4.700		

SIZE	AA67015	AA67016	AA67017	AA67018	AA67019	AA67020	AA67021	AA67022	AA67023	AA67024	AA67025	AA67026	AA67027	AA67028	AA67029
2	0.094	0.108	0.037	0.056	0.054	0.081	0.042							0.050	0.034
3	0.096	0.110	0.045	0.066	0.066	0.090	0.059							0.067	0.060
4	0.098	0.112	0.070	0.078	0.078	0.108	0.090	0.063	0.065	0.094	0.079	0.114	0.114	0.086	0.072
4-4															
5	0.103	0.118	0.081	0.100	0.099	0.126	0.121							0.098	0.092
5-4															
6-2															
6-4															
6	0.189	0.218	0.114	0.123	0.111	0.151	0.132	0.096	0.105	0.127	0.106	0.185	0.185	0.147	0.123
6-6															
6-8															
8-4															
8	0.276	0.318	0.207	0.282	0.224	0.224	0.193	0.169	0.219	0.312	0.269	0.323	0.323	0.268	0.224
8-8															
10-4															
10-6															
10	0.468	0.539	0.319	0.394	0.341	0.515	0.470	0.234	0.280	0.461	0.387	0.556	0.556	0.409	0.343
10-12															
12-4															
12-6															
12-8															
12	0.755	0.868	0.481	0.458	0.549	0.820	0.743	0.389	0.570	0.758	0.635	0.902	0.902	0.681	0.570
12-16															
16-8															
16-12															
16	1.375	1.432	0.655	0.946	0.775	1.047	1.015	0.512	0.818	1.080	0.909	1.270	1.270	1.020	0.852
20-12															
20	1.790	2.063	0.926	1.265	1.164	1.374	1.740	0.774	1.425	1.760	1.480	2.040	2.040	1.920	1.600
20-16															
24-12															
24-16															
24-20															
24	4.350	5.000	1.282	1.890	1.738	2.046	1.98	0.999		2.340	1.960	2.700	2.700	2.550	2.130
28			1.881	4.364	3.876	4.564	5.085	1.150		2.650	2.220	3.060	3.060	2.840	2.370
32-20															
32-24															
32			2.415	4.987	4.430	5.217	5.808	1.340		3.110	2.610	3.590	3.590	3.340	2.790

Weights shown in tables are for individual parts. To get total weight of assembled fitting, add nut and sleeve weights to body weight. All weights are for stainless steel.
 Approximate weights in Aluminum = .344 x weight from chart, Titanium = .572 x weight from chart.

Stainless Steel Weight Chart

SIZE	AA67030	AA67031	AA67032	AA67033	AA67034	AA67035	AA67036	AA67037	AA67039	AA67051	AA67059	AA67060	AA67061	AA67062	AA67073
2	0.063	0.063	0.008	0.002		0.014	0.011			0.011					
3	0.081	0.081	0.014	0.002		0.017	0.014			0.015					
4	0.105	0.105	0.025	0.004		0.021	0.026	0.010	0.120	0.019	0.180	0.143	0.098	0.098	0.105
4-4															
5	0.132	0.132	0.030	0.004		0.031	0.032			0.021	0.220	0.330	0.157	0.150	
5-4															
6-2					0.025										
6-4					0.025										
6	0.177	0.177	0.037	0.006		0.039	0.040	0.172	0.184	0.025	0.199	0.291	0.128	0.131	0.145
6-6															
6-8															
8-4					0.037										
8	0.327	0.327	0.061	0.013		0.081	0.069	0.037	0.318	0.040	0.442	0.350	0.232	0.207	0.275
8-8															
10-4															
10-6					0.050										
10	0.449	0.449	0.087	0.017		0.132	0.140	0.515	0.453	0.056	0.572	0.496	0.364	0.340	0.359
10-12															
12-4					0.075										
12-6					0.077										
12-8					0.094										
12	0.814	0.814	0.156	0.028		0.210	0.187	0.820	0.733	0.093	0.695	0.544	0.453	0.420	0.605
12-16															
16-8					0.138										
16-12					0.141										
16	1.180	1.180	0.217	0.050		0.311	0.291	1.047	0.635	0.112	1.290	0.869	0.683	0.585	0.832
20-12					0.250										
20	2.170	2.170	0.506	0.086		0.470	0.650	1.374		0.151	1.625	1.149	0.826	0.834	1.320
20-16					0.275										
24-12					0.338										
24-16					0.350										
24-20					0.400										
24	2.890	2.890	0.655	0.134		0.714	0.780	2.046		0.168					1.660
28	3.220	3.220	0.935	0.183		1.047	3.876	4.564		0.207					1.850
32-20					0.650										
32-24					0.688										
32	3.780	3.780	1.383	0.246		1.680	1.721	5.217		0.300					2.910

SIZE	AA67081	AA67082	AA67083	AA67084	AA67086	AA67104	AA67106	AA67108	AA67109	AA67110	AA67111	AA67113	AA67115	AA67131
2	0.051	0.070	0.068	0.082			0.082					0.062	0.050	0.052
3	0.062	0.084	0.088	0.103			0.103					0.084	0.067	0.081
4	0.071	0.087	0.099	0.134	0.044		0.134	0.122	0.041	0.122	0.109	0.116	0.086	0.101
4-4									0.042	0.132	0.194			
5	0.081	0.111	0.129	0.163			0.163				0.110	0.150	0.098	0.123
5-4						0.112			0.083		0.194			
6-2											0.127			
6-4						0.125								
6	0.120	0.153	0.167	0.222			0.222	0.175	0.067	0.175	0.203	0.200	0.147	0.168
6-6											0.272			
6-8														
8-4						0.176					0.253			
8	0.211	0.211	0.300	0.402	0.111		0.402	0.306	0.109	0.306	0.494	0.385	0.268	0.299
8-8														
10-4						0.227								
10-6						0.222			0.147					
10	0.303	0.307	0.451	0.554	0.165		0.554	0.395	0.166	0.390	0.520	0.590	0.409	0.448
10-12														
12-4														
12-6						0.372								
12-8						0.406			0.273		0.619			
12	0.520	0.560	0.732	0.996	0.307		0.996	0.698	0.273	0.690	0.881	0.970	0.681	0.756
12-16														
16-8						0.576								
16-12						0.600			0.372					
16	0.719	0.782	1.126	1.441	0.429		1.441	0.994	0.449	0.990	1.672	1.419	1.020	1.113
20-12						1.640								
20	1.269	1.580	2.355	2.779	0.776		2.355	1.590	1.092		2.179	2.550	1.920	2.209
20-16						0.785								
24-12														
24-16														
24-20														
24	1.700	1.980	3.060	3.695			3.695	2.030			4.245	3.369	2.550	2.935
28	2.840	2.370	3.220	4.340			4.340	2.920					2.840	3.490
32-20														
32-24														
32	3.240	3.550	5.630	5.170			5.170	3.330				7.385	3.340	4.180

Stainless Steel Weight Chart

SIZE	AA67040	AA67041	AA67042	AA67043	AA67044	AA67045	AA67046	AA67047	AA67048	AA67052	AA67075	AA67076	AA67077	AA67078	AA67079
1	0.041	0.024	0.031	0.016	0.063	0.042	0.077	0.082	0.101	0.039			0.100	0.130	0.077
2	0.101	0.064	0.042	0.036	0.155	0.113	0.159	0.211	0.262	0.047			0.259	0.254	0.176
2-1										0.079		0.034			
3	0.103	0.089	0.058	0.049	0.214	0.144	0.205	0.271	0.326				0.375	0.330	0.288
3-1										0.081		0.049			
3-2															
4	0.285	0.170	0.082	0.092	0.412	0.309	0.481	0.589	0.789				0.599	0.628	0.523
4-2										0.161					
4-3															
6	0.351	0.222	0.131	0.142	0.547	0.397	0.590	0.706	0.818				0.899	1.095	
6-4															
8	0.627	0.421	0.179	0.272	1.007	0.767	1.090	1.401	1.613	0.326	0.326	1.075		2.175	
10	0.871	0.561	0.218	0.500	2.166		1.613	1.814							
10-8										0.653					
12			0.372												
16													1.760	2.040	

SIZE	AA67038	AA67053	AA67054	AA67055	AA67056	AA67057	AA67058	AA67080
2	0.015	0.007						
3	0.020	0.011						
4	0.028	0.016				0.076		0.048
4-4								
5	0.035	0.021						
5-4								
6-2								
6-4								
6	0.048	0.027	0.089			0.121		0.073
6-6								
6-8							0.067	
8-4								
8	0.088	0.057		0.220	0.389	0.217		0.117
8-8			0.238					
10-4								
10-6							0.160	
10	0.117	0.085	0.449	0.380	0.542	0.315		0.182
10-12								
12-4								
12-6								
12-8							0.251	
12	0.221		0.814	0.603	0.785	0.541		0.324
12-16								
16-8							0.350	
16-12							0.570	
16	0.311		1.039	2.109	0.217	0.716		0.452
20-12							0.549	
20	0.530				0.506	0.993		0.700
20-16							0.549	
24-12							0.580	
24-16							0.590	
24-20							0.600	
24	0.984				0.655	1.220		0.931
28	1.200				0.935	1.790		1.410
32-20								
32-24								
32	1.310				1.383	2.140		1.680

Weights shown in tables are for individual parts. To get total weight of assembled fitting, add nut and sleeve weights to body weight. All weights are for stainless steel. Approximate weights in Aluminum = .344 x weight from chart, Titanium = .572 x weight from chart.



TEL: (818) 765-4992 FAX: (818) 503-9708 • 11643 Vanowen St., N. Hollywood, CA 91605
FSCM 06581 Catalog 4730