

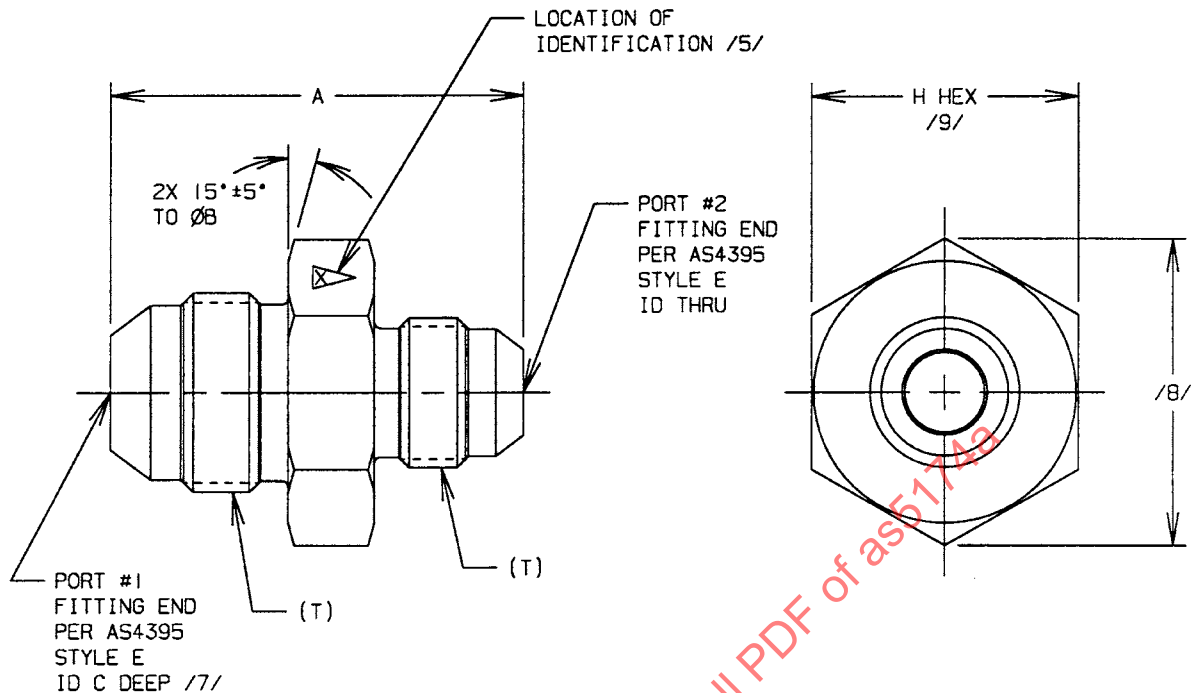
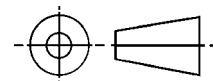


FIGURE 1 - FITTING, UNION AND REDUCER

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4841

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING, UNION AND REDUCER, FLARED

AS5174
SHEET 1 OF 6

**REV.
A**

A PORT #2 SIZE CODE 04	A PORT #2 SIZE CODE 05	A PORT #2 SIZE CODE 06	A PORT #2 SIZE CODE 08	A PORT #2 SIZE CODE 10	A PORT #2 SIZE CODE 12	A PORT #2 SIZE CODE 16	A PORT #2 SIZE CODE 20
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
1.250	-	-	-	-	-	-	-
1.359	1.250	-	-	-	-	-	-
1.406	1.406	1.375	-	-	-	-	-
1.531	1.531	1.531	1.562	-	-	-	-
1.656	-	1.656	1.750	1.828	-	-	-
1.707	1.707	1.707	1.891	2.000	2.109	-	-
1.844	-	-	2.156	2.047	2.156	2.188	-
1.891	-	-	-	-	2.250	2.250	2.281
-	-	-	-	-	-	2.359	2.406
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

A PORT #2 SIZE CODE 04	A PORT #2 SIZE CODE 05	A PORT #2 SIZE CODE 06	A PORT #2 SIZE CODE 08	A PORT #2 SIZE CODE 10	A PORT #2 SIZE CODE 12	A PORT #2 SIZE CODE 16	A PORT #2 SIZE CODE 20
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
1.250	-	-	-	-	-	-	-
1.359	1.250	-	-	-	-	-	-
1.406	1.406	1.375	-	-	-	-	-
1.531	1.531	1.531	1.562	-	-	-	-
1.656	-	1.656	1.750	1.828	-	-	-
1.707	1.707	1.707	1.891	2.000	2.109	-	-
1.844	-	-	2.156	2.047	2.156	2.188	-
1.891	-	-	-	-	2.250	2.250	2.281
-	-	-	-	-	-	2.359	2.406
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE
.609	—	—	—	—	—
.625	—	—	—	—	—
.719	—	—	—	—	—
.797	—	.797	.797	—	—
.891	.891	.891	.891	—	—
.891	—	—	.891	.891	—
.859	—	—	—	.859	—
—	—	—	—	.906	.906
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE	C ± .031 PORT #2 SIZE CODE
.609	—	—	—	—	—
.625	—	—	—	—	—
.719	—	—	—	—	—
.797	—	.797	.797	—	—
.891	.891	.891	.891	—	—
.891	—	—	.891	.891	—
.859	—	—	—	.859	—
—	—	—	—	.906	.906
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

TABLE 1C - DIMENSIONS AND WEIGHTS /10/

PORT SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD		B ±.010	H	LB/EA MAX AL	LB/EA MAX STEEL	LB/EA MAX TI
		PER MIL-S-8879 CLASS 3A						
02	.125	.3125-24 UNJF		.542	.552- .565	.0350	.0724	.0554
03	.188	.3750-24 UNJF		.605	.615- .628	.0443	.0916	.0702
04	.250	.4375-20 UNJF		.668	.678- .691	.0556	.115	.0881
05	.312	.5000-20 UNJF		.730	.740- .753	.0662	.137	.105
06	.375	.5625-18 UNJF		.792	.802- .815	.0762	.158	.121
08	.500	.7500-16 UNJF		.980	.990-1.003	.126	.260	.199
10	.625	.8750-14 UNJF		1.103	1.113-1.128	.165	.341	.261
12	.750	1.0625-12 UNJ		1.353	1.363-1.380	.250	.517	.396
16	1.000	1.3125-12 UNJ		1.603	1.613-1.630	.347	.719	.550
20	1.250	1.6250-12 UNJ		1.853	1.863-1.880	.484	1.00	.766
24	1.500	1.8750-12 UNJ		2.099	2.109-2.135	.636	1.32	1.01
28	1.750	2.2500-12 UNJ		2.474	2.484-2.510	.781	1.62	1.24
32	2.000	2.5000-12 UNJ		2.724	2.734-2.760	1.18	2.45	1.87
40	2.500	3.0000-12 UNJ		3.224	3.234-3.260	1.32	2.74	2.10
48	3.000	3.5000-12 UNJ		3.724	3.734-3.760	1.38	2.87	2.19

NOTES:

/1/ MATERIAL:

- DASH AS CODE LETTER - TYPE 1137 CARBON STEEL PER ASTM A 108 OR TYPE 4130 PER MIL-S-6758 OR AMS 6370 OR TYPE 4140 PER MIL-S-5626 OR AMS 6382.
- CODE LETTER D - TYPE 2024-T6 ALUMINUM ALLOY BAR PER QQ-A-225/6 OR AMS 4112 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER QQ-A-225/6.
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5645.
- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
- CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY BAR PER QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124.

/2/ HEAT TREATMENT:

- DASH AS CODE LETTER - SEE HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- OTHER CODE LETTERS - NONE.