

REV. C
AS5174

FEDERAL SUPPLY CLASS
4730

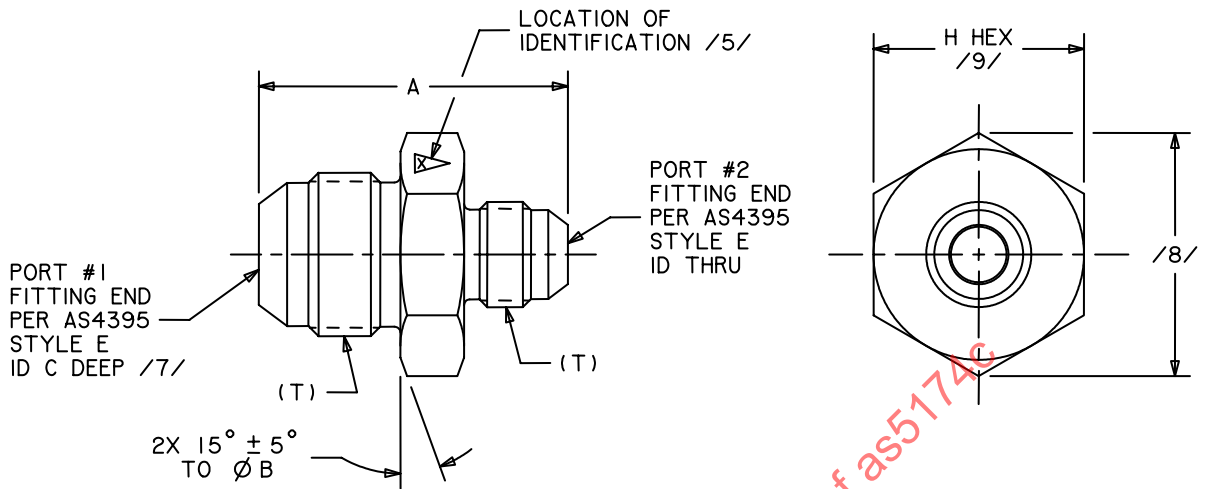
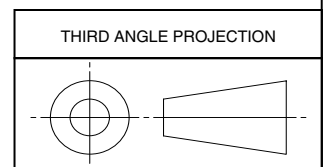


FIGURE 1 – FITTING, UNION AND REDUCER



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. C

AS5174												REV. C	
TABLE 1A – DIMENSIONS /11/													
PORT #1 /17/ SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE	A PORT #2 SIZE CODE
02	1.219	-	-	-	-	-	-	-	-	-	-	-	-
03	1.172	1.219	-	-	-	-	-	-	-	-	-	-	-
04	1.250	1.281	1.250	-	-	-	-	-	-	-	-	-	-
05	-	-	1.359	1.250	-	-	-	-	-	-	-	-	-
06	1.297	1.328	1.406	1.406	1.375	-	-	-	-	-	-	-	-
08	1.422	1.453	1.531	1.531	1.531	1.562	-	-	-	-	-	-	-
10	-	-	1.656	-	1.656	1.750	1.828	-	-	-	-	-	-
12	-	-	1.797	1.797	1.797	1.891	2.000	2.109	-	-	-	-	-
16	-	-	1.844	-	-	2.156	2.047	2.156	2.188	-	-	-	-
20	-	-	1.891	-	-	-	-	2.250	2.250	2.281	-	-	-
24	-	-	-	-	-	-	-	-	2.359	2.406	2.531	-	-
28	-	-	-	-	-	-	-	-	-	2.812	-	-	-
32	-	-	-	-	-	-	-	-	-	-	3.062	-	-
40	-	-	-	-	-	-	-	-	-	-	-	2.875	-
48	-	-	-	-	-	-	-	-	-	-	-	-	3.062



SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING, UNION AND REDUCER, FLARED

AS5174
SHEET 2 OF 6

REV.
C

[illegible]

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	C±.031 PORT #2 SIZE CODE
04	05	06	08	10	12	16
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
.609		-	-	-	-	-
.625	.625		-	-	-	-
.719	.719	.719	-	-	-	-
.797	-	.797	.797	-	-	-
.891	.891	.891	.891	.891	-	-
.891	-	-	.891	.891	.891	-
.859	-	-	-	-	.859	.859
-	-	-	-	-	-	.906

REV.
C

AS5174

TABLE 1C – DIMENSIONS AND WEIGHTS /10/

PORT SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879			LB/EA APPROX		LB/EA APPROX		LB/EA APPROX	
		CLASS 3A	B ±.010	H	REF AL	REF STEEL	REF TI			
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 4130 STEEL BAR PER AMS-S-6758 OR AMS 6370 OR TYPE 4140 PER AMS 6382.
- CODE LETTER D – TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6, OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS 4339.
- CODE LETTER J – TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS 5639.
- CODE LETTER K – TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS 5648.
- CODE LETTER R – TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS-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 AMS-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 MATERIAL CODE LETTERS - NONE.