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REV.
A

AS5187™

FEDERAL SUPPLY CLASS
4730

RATIONALE

CORRECTED DELINEATION OF DIMENSION "C" IN FIGURE 1, CORRECTED 2014-T6 ALUMINUM MATERIAL CALLOUT FROM AMS4134 TO AMS4133, ADDED CADMIUM WARNING NOTE, UPDATED SPECIFICATION REFERENCES, AND UPDATED TO COMPLY WITH SAE AEROSPACE TECHNICAL REPORT STYLE MANUAL.

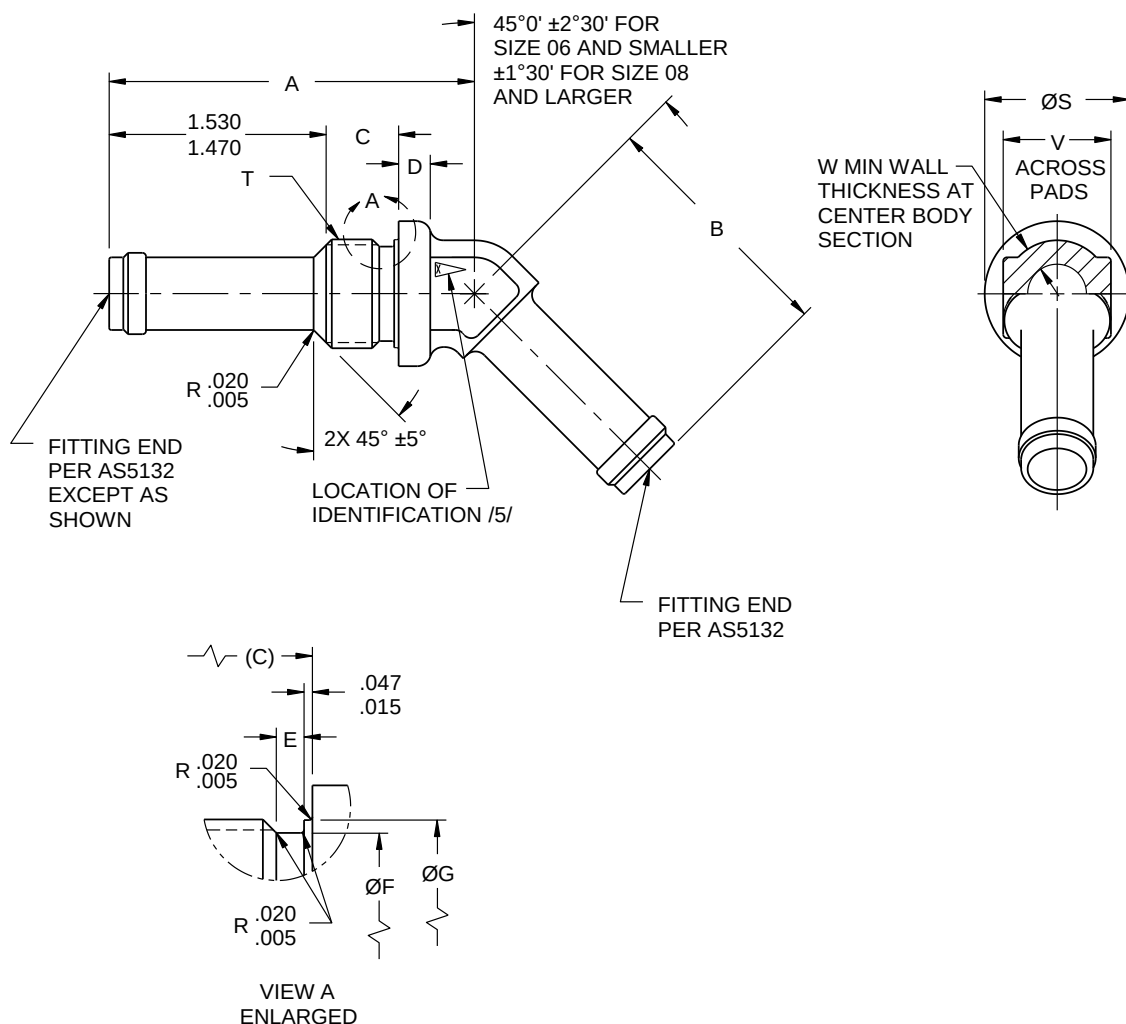
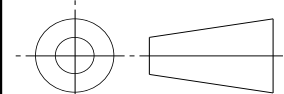


FIGURE 1 - FITTING, ELBOW, 45°

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4843 /4/



AEROSPACE STANDARD

(R) FITTING, ELBOW, 45°,
BULKHEAD, HOSE

AS5187™
SHEET 1 OF 3

REV.
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Documents

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TABLE 1

TABLE 1A - DIMENSIONS A - F

BASIC NO. AS5187 /13/ SIZE CODE	(NOMINAL HOSE SIZE)	T THREAD PER AS8879 CLASS 3A	A	B	C ±.016	D ±.016	E +.015 -.000	F +.000 -.005
04	.250	.4375-20 UNJF	2.289	1.633	.438	.156	.075	.359
06	.375	.5625-18 UNJF	2.430	1.680	.469	.188	.083	.476
08	.500	.7500-16 UNJF	2.524	1.711	.500	.219	.094	.654
10	.625	.8750-14 UNJF	2.664	1.758	.531	.250	.107	.767
12	.750	1.0625-12 UNJ	2.727	1.789	.563	.250	.125	.938
16	1.000	1.3125-12 UNJ	2.774	1.852	.563	.250	.125	1.188
20	1.250	1.6250-12 UNJ	2.961	1.945	.563	.281	.125	1.501
24	1.500	1.8750-12 UNJ	3.024	1.992	.563	.281	.125	1.750

TABLE 1B - DIMENSIONS G - W AND WEIGHTS

BASIC NO. AS5187 /13/ SIZE CODE	G	S ±.016	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF CU	LB/EA APPROX REF STEEL
04	.4294- .4375	.625	.423- .440	.110	.0247	.0751	.0709
06	.5538- .5625	.813	.547- .565	.120	.0505	.154	.145
08	.7406- .7500	1.000	.735- .753	.150	.0974	.296	.280
10	.8647- .8750	1.250	.860- .878	.170	.139	.423	.400
12	1.0511-1.0625	1.438	1.047-1.065	.185	.222	.674	.637
16	1.3011-1.3215	1.688	1.292-1.317	.205	.325	.989	.934
20	1.6136-1.6250	2.063	1.605-1.630	.240	.603	1.83	1.73
24	1.8636-1.8750	2.375	1.855-1.880	.250	.787	2.39	2.26

NOTES

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- a. DASH AS CODE LETTER - TYPE 4130 STEEL FORGING OR BAR PER AMS-S-6758 OR AMS6370, OR TYPE 4140 PER AMS6382. /2/
- b. CODE LETTER B - TYPE 377 COPPER ALLOY FORGING PER ASTM B124/B124M OR AMS4614 OR HALF HARD FORGING OR BAR PER ASTM B138/B138M.
- c. CODE LETTER D - TYPE 2014-T6 ALUMINUM ALLOY FORGING AMS4133, OR 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 AMS4339. /2/
- d. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5639.
- e. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5648.
- f. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5645.
- g. CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY FORGING PER AMS4141, OR TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9, OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124. /2/

	AEROSPACE STANDARD		AS5187™ SHEET 2 OF 3	REV. A
	(R) FITTING, ELBOW, 45°, BULKHEAD, HOSE			