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REV.
C

AS5188™

FEDERAL SUPPLY CLASS
4730

RATIONALE

CORRECT GRAPHICAL ERROR ON DIM B.

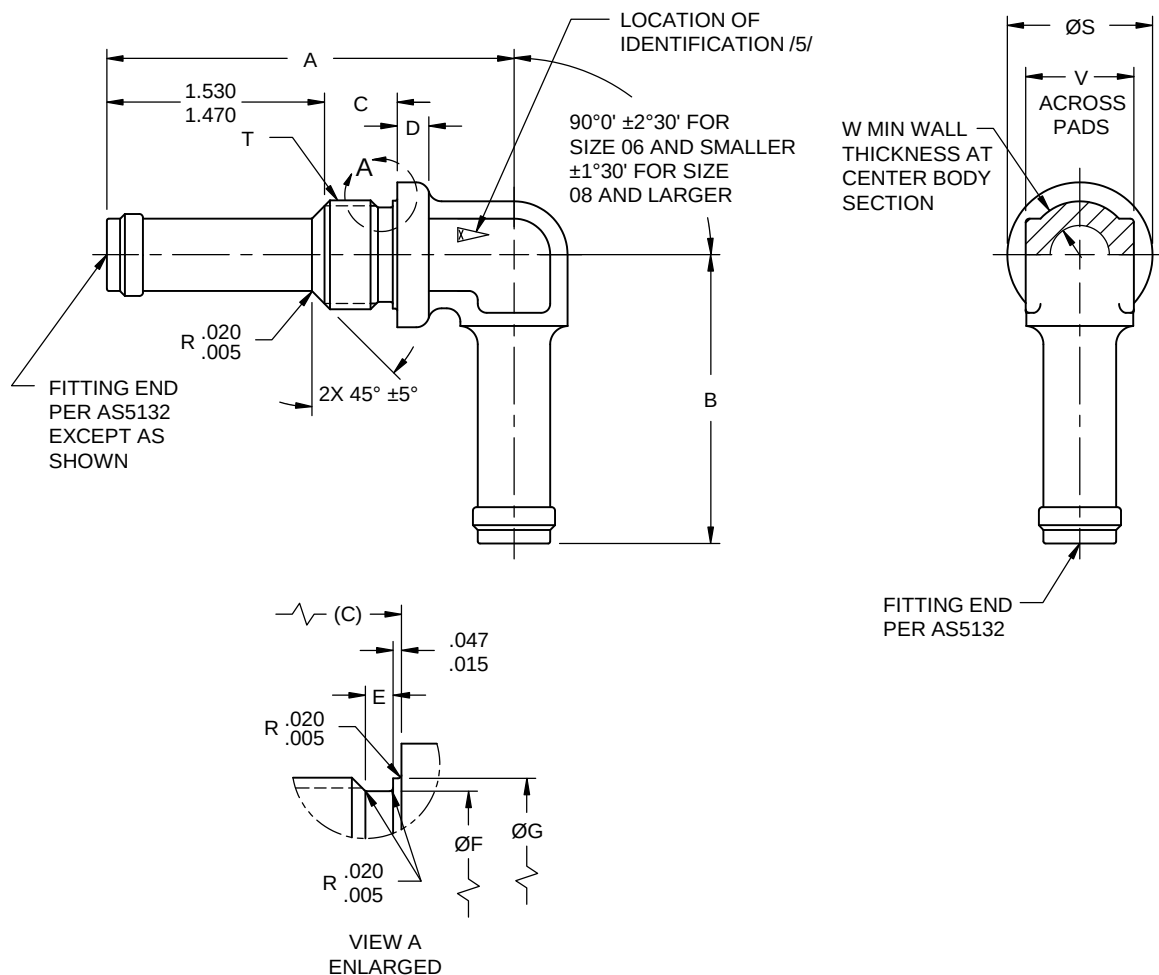
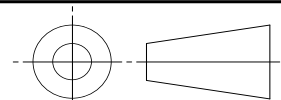


FIGURE 1 - FITTING, ELBOW, 90°

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS5188C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4843 /4/



AEROSPACE STANDARD

FITTING, ELBOW, 90°,
BULKHEAD, HOSE

AS5188™
SHEET 1 OF 3

REV.
C

Documents

TABLE 1

TABLE 1A - DIMENSIONS A - F

BASIC NO. AS5188 /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	2.461	1.805	.438	.156	.075	.359
06	.375	.5625-18 UNJF	2.649	1.899	.469	.188	.083	.476
08	.500	.7500-16 UNJF	2.805	1.992	.500	.219	.094	.654
10	.625	.8750-14 UNJF	2.992	2.086	.531	.250	.107	.767
12	.750	1.0625-12 UNJ	3.117	2.180	.563	.250	.125	.938
16	1.000	1.3125-12 UNJ	3.242	2.305	.563	.250	.125	1.188
20	1.250	1.6250-12 UNJ	3.555	2.524	.563	.281	.125	1.501
24	1.500	1.8750-12 UNJ	3.680	2.649	.563	.281	.125	1.750

TABLE 1B - DIMENSIONS G - W AND WEIGHTS

BASIC NO. AS5188 /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	.0295	.0896	.0847
06	.5538- .5625	.813	.547- .565	.120	.0603	.183	.173
08	.7406- .7500	1.000	.735- .753	.150	.116	.354	.334
10	.8647- .8750	1.250	.860- .878	.170	.166	.505	.477
12	1.0511-1.0625	1.438	1.047-1.065	.185	.265	.805	.760
16	1.3011-1.3215	1.688	1.292-1.317	.205	.388	1.18	1.12
20	1.6136-1.6250	2.063	1.605-1.630	.240	.720	2.19	2.07
24	1.8636-1.8750	2.375	1.855-1.880	.250	.939	2.85	2.70

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:

- DASH AS CODE LETTER - TYPE 4130 STEEL FORGING OR BAR AMS-S-6758 OR AMS6370, OR TYPE 4140 AMS6382. /2/
- CODE LETTER B - TYPE 377 COPPER ALLOY FORGING PER ASTM B124/B124M OR AMS4614, OR HALF HARD FORGING OR BAR PER ASTM B138/B138M.
- CODE LETTER D - TYPE 2014-T6 ALUMINUM ALLOY FORGING PER 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/
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5645.
- 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/

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