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REV.
C

AS5191™

FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISE GRAPHICS AND TABLE 1, INTRODUCING NEW DIM E FOR ALLOWABLE MINIMUM THREAD DEPTH. SPECIFICATIONS SPECIFIED HEREIN UPDATED TO CURRENT NOMENCLATURE. "VAD" REMOVED FROM PROCUREMENT SPECIFICATION NOTE.

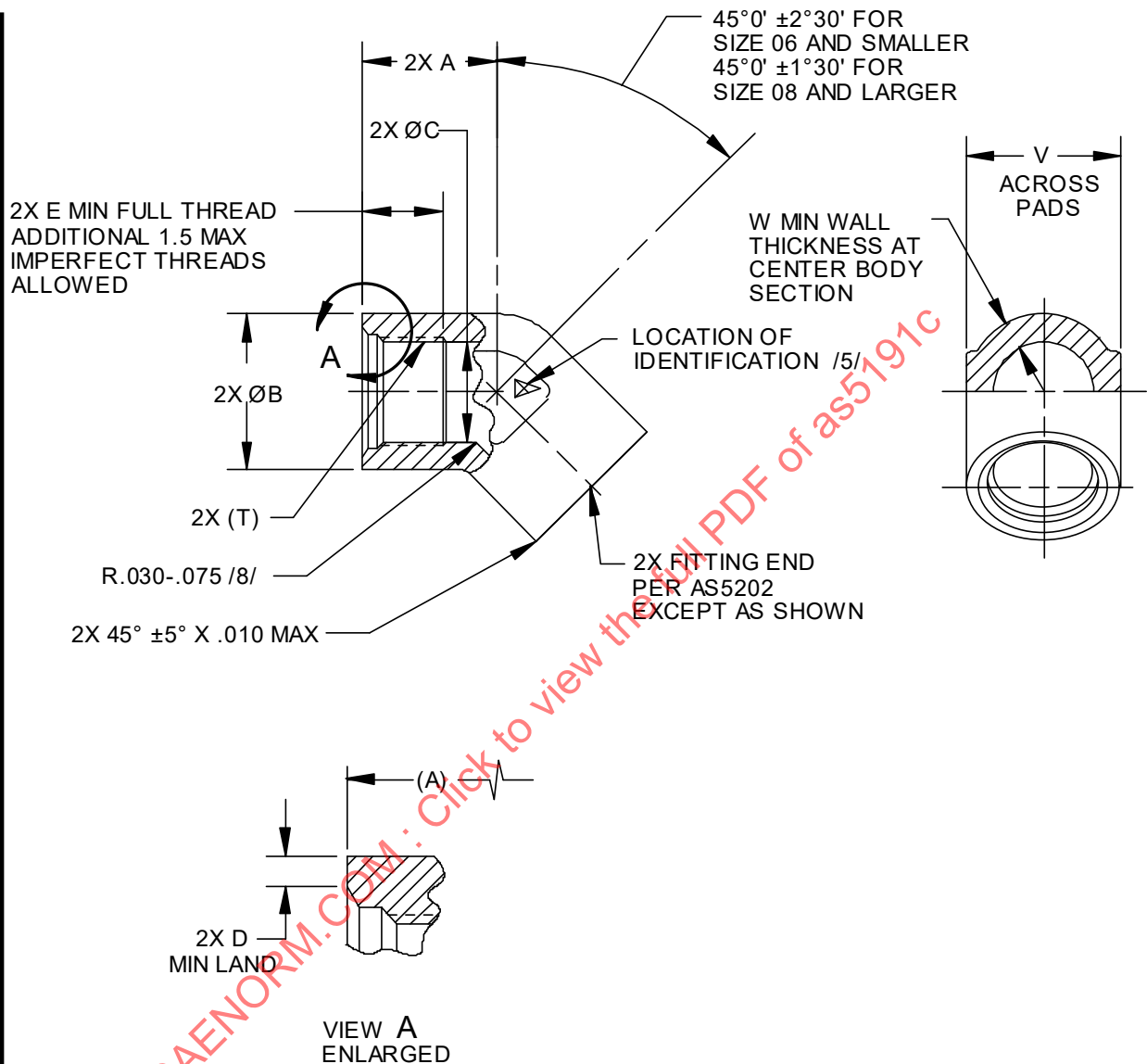
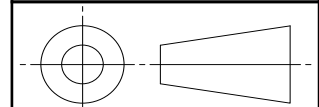


FIGURE 1 - FITTING, ELBOW, 45°

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5191C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4875 /4/



AEROSPACE STANDARD

FITTING, ELBOW, 45°, INTERNAL
STRAIGHT THREAD PORT

AS5191™
SHEET 1 OF 3

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TABLE 1 - DIMENSIONS A-W AND WEIGHTS

BASIC NO. AS5191 /15/ SIZE CODE	(NOMINAL TUBE SIZE)	(T) THREAD PER AS8879 CLASS 3B	A	B ±.016	C +.000 -.015	D	E	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
04	.250	.4375-20 UNJF	.711	.688	.397	.040	.483	.735-.753	.050	.0479	.137	.0758
05	.312	.5000-20 UNJF	.719	.750	.459	.040	.452	.735-.753	.050	.0486	.139	.0769
06	.375	.5625-18 UNJF	.734	.813	.516	.040	.475	.797-.815	.050	.0491	.141	.0778
08	.500	.7500-16 UNJF	.906	1.063	.697	.071	.569	1.047-1.065	.050	.117	.337	.186
10	.625	.8750-14 UNJF	1.086	1.188	.815	.071	.638	1.173-1.191	.070	.156	.449	.248
12	.750	1.0625-12 UNJ	1.242	1.438	.991	.077	.730	1.418-1.443	.080	.256	.736	.406
16	1.000	1.3125-12 UNJ	1.367	1.688	1.241	.077	.777	1.668-1.693	.090	.337	.969	.534
20	1.250	1.6250-12 UNJ	1.477	2.000	1.553	.077	.824	1.980-2.005	.110	.452	1.30	.716

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 CARBON STEEL FORGING OR BAR PER AMS-S-6758 OR AMS6370, OR TYPE 4140 STEEL BAR PER AMS6349 OR AMS6382. /2/
- b. CODE LETTER J: TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5639.
- c. CODE LETTER K: TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5648.
- d. CODE LETTER R: TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5645.
- e. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY FORGING OR BAR PER AMS4928.
- f. CODE LETTER W: TYPE 7075-T73 ALUMINUM ALLOY FORGING PER AMS-QQ-A-367 OR AMS4141, OR TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9, OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124. /2/

/2/ HEAT TREATMENT:

- a. DASH AS MATERIAL CODE LETTER: REFER TO HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTER W: REFER TO ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- c. OTHER MATERIAL CODE LETTERS: NONE.

3. FINISH:

- a. DASH AS MATERIAL CODE LETTER: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, DYE BLACK AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTERS J, K, AND R: PASSIVATE PER AMS2700, TYPE 6 OR TYPE 7.
- c. MATERIAL CODE LETTER T: ANODIZE PER AMS2488, TYPE 2 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486 WITH COLOR PER PROCUREMENT SPECIFICATION.
- d. MATERIAL CODE LETTER W: ANODIZE PER AMS2472 OR MIL-PRF-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.

	AEROSPACE STANDARD		AS5191™ SHEET 2 OF 3	REV. C
	FITTING, ELBOW, 45°, INTERNAL STRAIGHT THREAD PORT			