

REV.  
A

AS5182

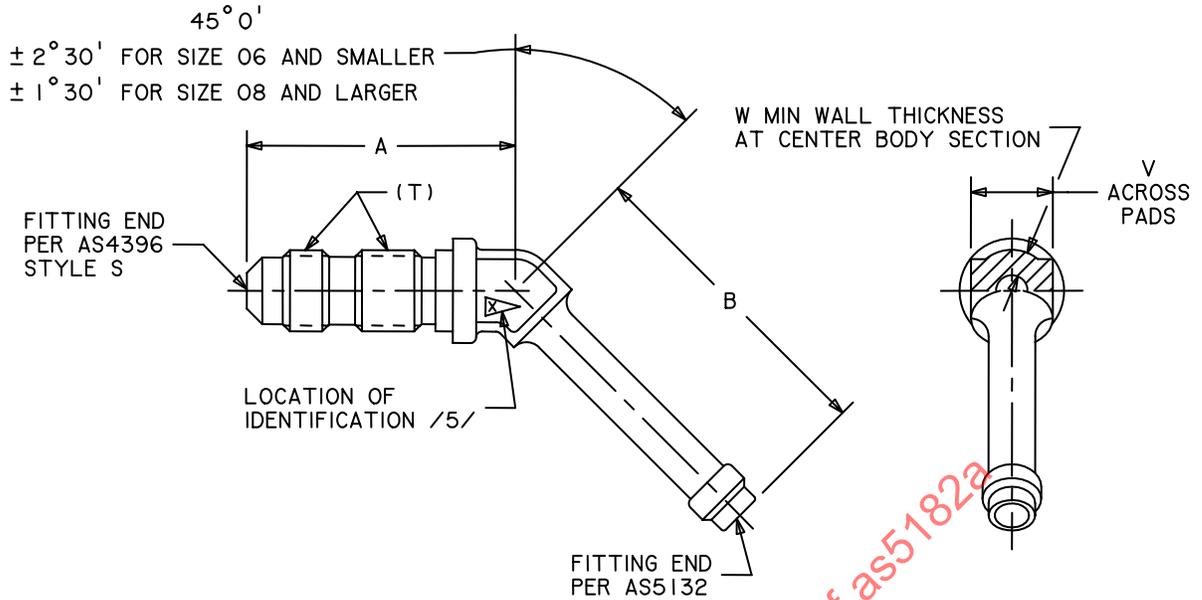
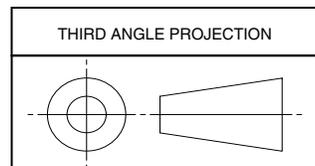


FIGURE 1 – FITTING, ELBOW, 45°

TABLE 1 – DIMENSIONS AND WEIGHTS

BASIC NO. AS5182 /16/ SIZE CODE	T TUBE (NOMINAL SIZE)	T THREAD PER AS8879 CLASS 3A	DIMENSIONS				WEIGHTS		
			A	B	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF CU	LB/EA APPROX REF STEEL
04	.250	.4375-20 UNJF	1.445	1.711	.423-.440	.110	.0284	.0865	.0817
06	.375	.5625-18 UNJF	1.586	1.742	.547-.565	.120	.0469	.143	.135
08	.500	.7500-16 UNJF	1.852	1.774	.735-.753	.150	.0991	.301	.285
10	.625	.8750-14 UNJF	2.070	1.820	.860-.878	.170	.144	.439	.414
12	.750	1.0625-12 UNJ	2.305	1.852	1.047-1.065	.185	.235	.714	.675
16	1.000	1.3125-12 UNJ	2.414	1.914	1.292-1.317	.205	.354	1.08	1.02
20	1.250	1.6250-12 UNJ	2.570	1.992	1.605-1.630	.240	.601	1.83	1.72
24	1.500	1.8750-12 UNJ	2.695	2.058	1.855-1.880	.250	.799	2.43	2.29

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CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4843/1



**AEROSPACE STANDARD**

FITTING, ELBOW, 45°, BULKHEAD,  
FLARED TO HOSE

**AS5182**  
SHEET 1 OF 3

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A**

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NOTES:

/1/ MATERIAL:

- a. DASH AS CODE LETTER – LOW ALLOY STEEL FORGING OR BAR, TYPE 4130 STEEL FORGING OR BAR PER AMS-S-6758 OR AMS 6370, OR TYPE 4140 PER AMS 6382. /2/
- b. CODE LETTER B – TYPE 377 COPPER ALLOY FORGING PER ASTM B 124 OR AMS 4614, OR HALF HARD FORGING OR BAR PER ASTM B 138.
- c. CODE LETTER D – TYPE 2014-T6 ALUMINUM ALLOY FORGING PER AMS 4133, 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 AMS 4339. /2/
- d. CODE LETTER J – TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5639.
- e. CODE LETTER K – TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5648.
- f. CODE LETTER R – TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5645.
- g. CODE LETTER W – TYPE 7075-T73 ALUMINUM ALLOY FORGING PER AMS 4141, OR TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9, OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124. /2/

/2/ HEAT TREATMENT:

- a. DASH AS CODE LETTER – SEE HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTERS D AND W – SEE ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- c. OTHER MATERIAL CODE LETTERS - NONE.

3. FINISH:

- a. DASH AS 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. /15/
- b. MATERIAL CODE LETTER B – CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 3 OR NONE. /15/
- c. MATERIAL CODE LETTER D:
  - 1. ANODIZE PER AMS 2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BLUE, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
  - 2. D CODE PARTS TO BE COATED WITH HIGH PURITY ALUMINUM ONLY WILL HAVE THE FINISH CODE LETTER "V" AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: COAT WITH HIGH PURITY ALUMINUM PER MIL-DTL-83488, CLASS 3, TYPE II WITH MAXIMUM COATING THICKNESS OF .0005. GLASS BEAD PEEN PRESSURE SHALL BE 25 psi MAXIMUM.
- d. MATERIAL CODE LETTER J – PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
- e. MATERIAL CODE LETTER K – PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
- f. MATERIAL CODE LETTER R – PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
- g. MATERIAL CODE LETTER W:
  - 1. ANODIZE PER AMS 2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
  - 2. W CODE PARTS TO BE COATED WITH HIGH PURITY ALUMINUM ONLY WILL HAVE THE FINISH CODE LETTER "V" AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: COAT WITH HIGH PURITY ALUMINUM PER MIL-DTL-83488, CLASS 3, TYPE II WITH MAXIMUM COATING THICKNESS OF .0005. GLASS BEAD PEEN PRESSURE SHALL BE 25 psi MAXIMUM.

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