

REV. A
AS5182

FEDERAL SUPPLY CLASS
4730

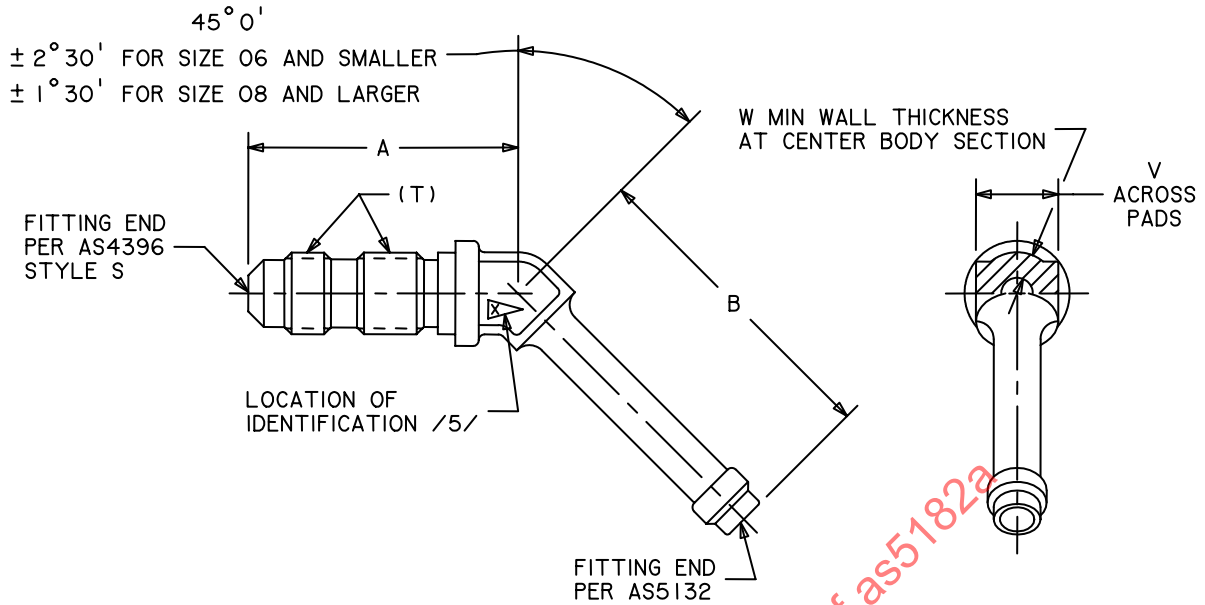
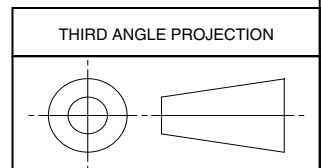


FIGURE 1 – FITTING, ELBOW, 45°

TABLE 1 – DIMENSIONS AND WEIGHTS

BASIC NO. AS5182 /16/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	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



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

REV. A

REV. A	NOTES:		
AS5182	/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.			
/4/ PROCUREMENT SPECIFICATION: AS4843/1 EXCEPT AS SPECIFIED ON THIS STANDARD. USERS OF THIS STANDARD SHALL PROCURE THIS PRODUCT FROM ACCREDITED MANUFACTURER(S), OR ACCREDITED DISTRIBUTOR(S), AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED MANUFACTURERS LIST (QML) FOR THIS TYPE OF PRODUCT.			
 SAE Aerospace An SAE International Group AEROSPACE STANDARD FITTING, ELBOW, 90°, PIPE, INTERNAL AND EXTERNAL THREAD AS5182 SHEET 2 OF 3 REV. A			