

REV. B

AS5197

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5197B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

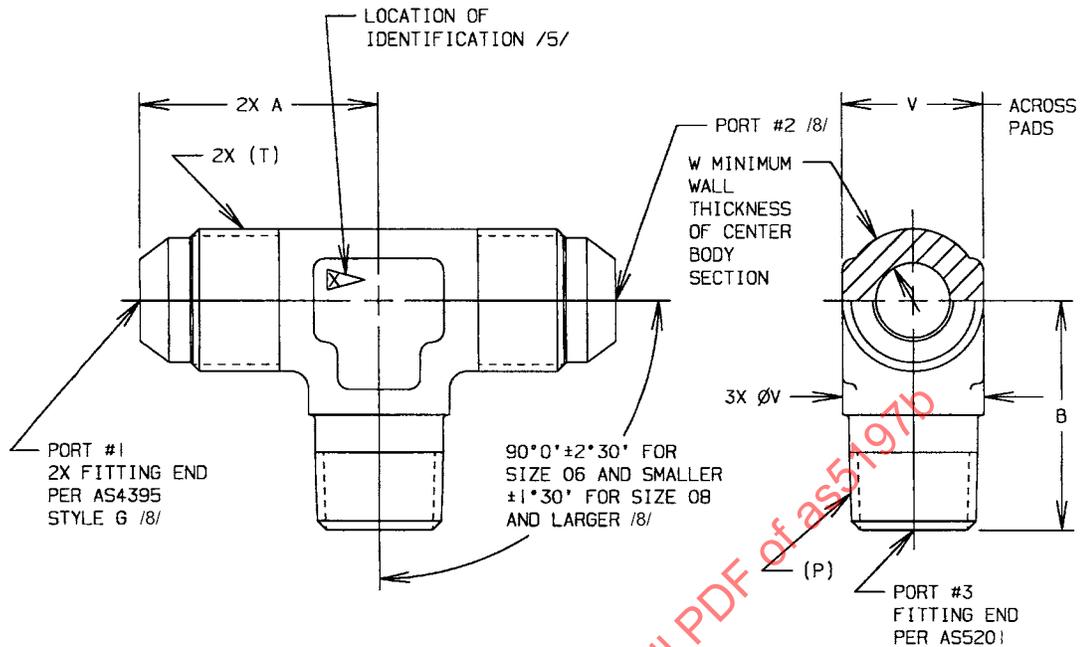


FIGURE 1 - FITTING, TEE

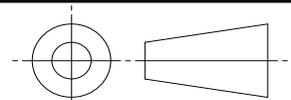
TABLE 1 - DIMENSIONS

BASIC NO. AS5197 /16/ SIZE CODE	(NOMINAL TUBE SIZE) PORT #1 & #2	(NOMINAL PIPE SIZE) PORT #3	P THREAD PER AS71051 ANPT	T THREAD PER AS8879 CLASS 3A	PORT #3 STYLE	A	B
020202	.125	.125	1/8-27	.3125-24 UNJF	B	.758	.712
030302	.188	.125	1/8-27	.3750-24 UNJF	B	.821	.712
040402	.250	.125	1/8-27	.4375-20 UNJF	C	.883	.774
050502	.312	.125	1/8-27	.5000-20 UNJF	C	.946	.774
060604	.375	.250	1/4-18	.5625-18 UNJF	A	1.055	1.086
080806	.500	.375	3/8-18	.7500-16 UNJF	C	1.243	1.212
101008	.625	.500	1/2-14	.8750-14 UNJF	C	1.446	1.462
121212	.750	.750	3/4-14	1.0625-12 UNJ	A	1.646	1.586
161612	1.000	.750	3/4-14	1.3125-12 UNJ	C	1.805	1.712
161616	1.000	1.000	1-11 1/2	1.3125-12 UNJ	A	1.805	1.962
202016	1.250	1.000	1-11 1/2	1.6250-12 UNJ	C	2.055	2.212
202020	1.250	1.250	1 1/4-11 1/2	1.6250-12 UNJ	B	2.055	2.368
242420	1.500	1.250	1 1/4-11 1/2	1.8750-12 UNJ	C	2.321	2.493
282824	1.750	1.500	1 1/2-11 1/2	2.2500-12 UNJ	C	2.805	2.774
323232	2.000	2.000	2-11 1/2	2.5000-12 UNJ	C	3.055	2.993

INACTIVE IN PART - SEE NOTE /17/

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5197B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4842/1



AEROSPACE STANDARD

FITTING, TEE, FLARED
TO PIPE ON SIDE

AS5197
SHEET 1 OF 3

REV. B

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TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS5197 /16/ SIZE CODE	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF CU	LB/EA APPROX REF STEEL
020202	.297- .314	.090	.0119	.0360	.0340
030302	.360- .377	.100	.0165	.0501	.0473
040402	.423- .440	.110	.0223	.0677	.0640
050502	.485- .502	.120	.0287	.0871	.0824
060604	.547- .565	.120	.0410	.125	.118
080806	.735- .753	.150	.0815	.248	.234
101008	.860- .878	.170	.124	.376	.356
121212	1.047-1.065	.185	.193	.585	.553
161612	1.292-1.317	.205	.297	.900	.852
161616	1.292-1.317	.205	.294	.895	.845
202016	1.605-1.630	.240	.539	1.64	1.55
202020	1.605-1.630	.240	.478	1.45	1.37
242420	1.855-1.880	.250	.707	2.15	2.03
282824	2.230-2.260	.350	1.20	3.64	3.44
323232	2.542-2.572	.350	1.79	5.44	5.13

NOTES:

/1/ MATERIAL:

- a. DASH AS CODE LETTER - LOW ALLOY STEEL FORGING OR BAR, TYPE 4130 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 4134, 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/ /16/
- 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. CODE LETTERS D AND W - SEE ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION. /16/
- c. OTHER CODE LETTERS - NONE.

	AEROSPACE STANDARD	AS5197 SHEET 2 OF 3	REV. B
	FITTING, TEE, FLARED TO PIPE ON SIDE		