

RATIONALE

FEDERAL SUPPLY CLASS
4730

THIS SAE AEROSPACE STANDARD (AS) ESTABLISHES THE REQUIREMENTS FOR THE TEE FITTING WITH 37 DEGREE SPHERICAL FLARED TUBE.

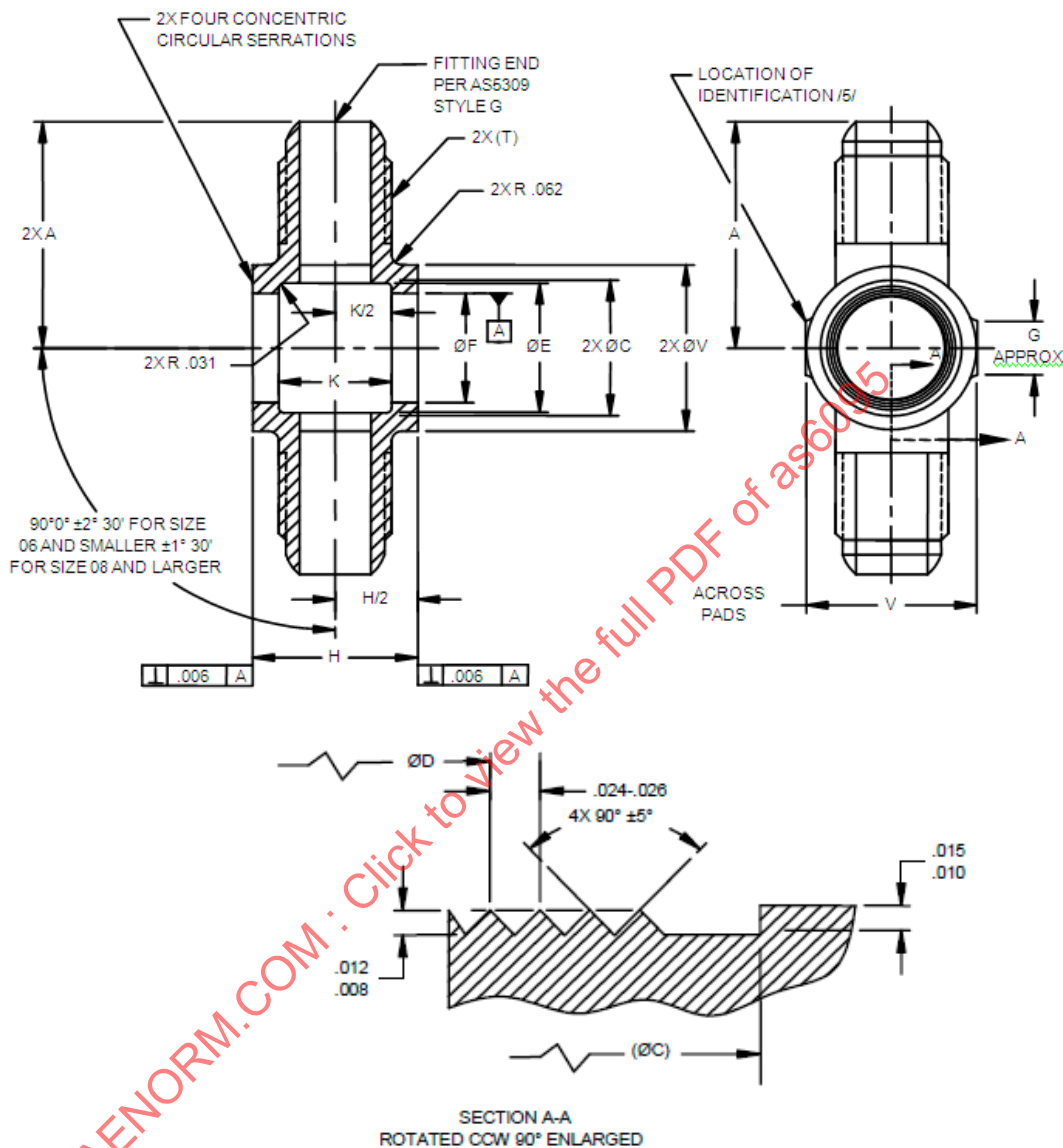
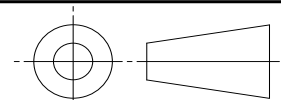


FIGURE 1 - FITTING, CONNECTOR, TEE

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS6095>

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS6076

SAE Aerospace
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AEROSPACE STANDARD

FITTING, 37° SPHERICAL FLARED,
CONNECTOR, MULTIPLE
FLUID PRESSURE LINE, TEE

SAE AS6095
SHEET 1 OF 3

TABLE 1A - DIMENSIONS

BASIC NO. AS6095 /13/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A ±.023	C ±.005	D ±.005	E	F ±.001
04	.250	.4375-20 UNJF	1.148	.692	.474	.562	.439
05	.312	.5000-20 UNJF	1.148	.755	.536	.625	.501
06	.375	.5625-18 UNJF	1.273	.817	.599	.750	.564
08	.500	.7500-16 UNJF	1.460	1.005	.786	.937	.751
10	.625	.8750-14 UNJF	1.680	1.130	.911	1.125	.876
12	.750	1.0625-12 UNJ	2.023	1.318	1.099	1.375	1.063
16	1.000	1.3125-12 UNJ	2.398	1.568	1.349	1.687	1.313

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. AS6095 /13/ SIZE CODE	G	H ±.010	K	V	LB/EA APPROX. REF AL	LB/EA APPROX. REF STEEL	LB/EA APPROX. REF TI
04	.437	.750	.375	.797-.815	.0334	.0958	.0528
05	.437	.750	.500	.797-.815	.0301	.0863	.0476
06	.500	.875	.500	.985-1.003	.0492	.141	.0779
08	.500	1.125	.750	1.173-1.191	.0822	.236	.130
10	.625	1.375	.812	1.355-1.380	.130	.374	.206
12	.625	1.625	1.000	1.668-1.693	.224	.642	.354
16	.812	2.125	1.500	2.042-2.072	.366	1.05	.580

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- a. CODE LETTER F - TYPE 4130 ALLOY STEEL FORGING OR BAR PER AMS-S-6758 OR AMS6370; OR TYPE 4140 PER AMS6382. /2/
- b. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5639.
- c. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5648.
- d. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5645.
- e. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928.
- f. CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY 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/

/2/ HEAT TREATMENT:

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