

RATIONALE

GRAPHICS REDRAWN TO SHOW PROPER REPRESENTATION OF SPHERICAL DESIGN END AS5309 STYLE G. OPTIONAL MATERIAL SPECIFICATIONS ADDED. QML STATEMENT REVISED. INTENDED USE NOTE 6 REVISED. GENERAL UPDATES INCORPORATED.

REV.
B

AS6094™

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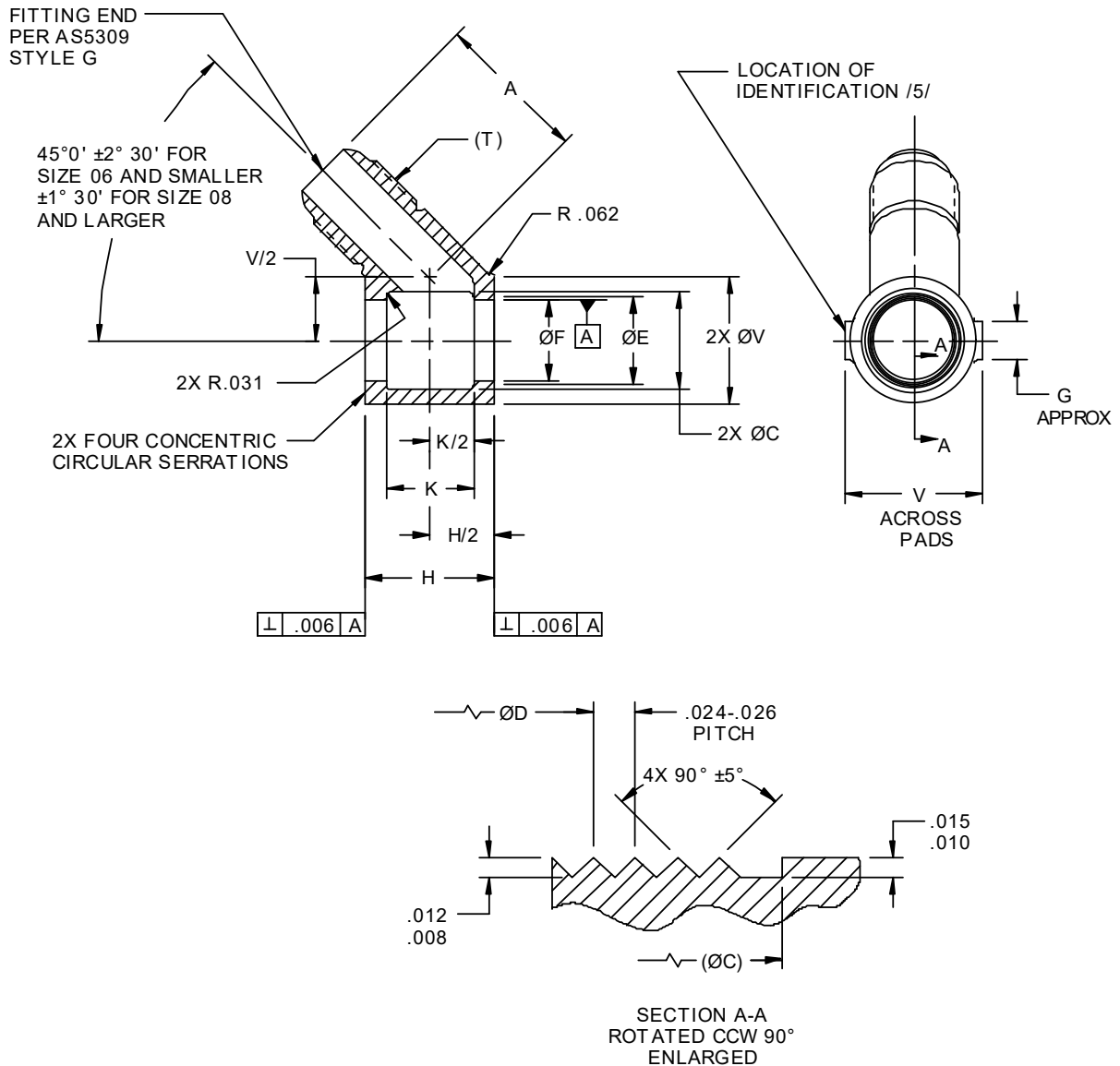
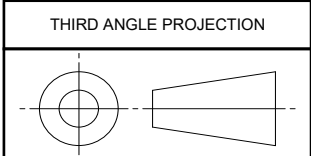


FIGURE 1 - FITTING, CONNECTOR, 45°

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6094B/>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4875/1 /4/



AEROSPACE STANDARD

FITTING, 37° SPHERICAL FLARED,
CONNECTOR, MULTIPLE
FLUID PRESSURE LINE, 45°

AS6094™
SHEET 1 OF 4

REV.
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TABLE 1A - DIMENSIONS A-F

BASIC NO. AS6094 /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	1.023	.692	.474	.562	.439
05	.312	.5000-20 UNJF	1.023	.755	.536	.625	.501
06	.375	.5625-18 UNJF	1.085	.817	.599	.750	.564
08	.500	.7500-16 UNJF	1.335	1.005	.786	.937	.751
10	.625	.8750-14 UNJF	1.491	1.130	.911	1.125	.876
12	.750	1.0625-12 UNJ	1.648	1.318	1.099	1.375	1.063
16	1.000	1.3125-12 UNJ	1.866	1.568	1.349	1.687	1.313

TABLE 1B - DIMENSIONS G-V AND WEIGHTS

BASIC NO. AS6094 /13/ SIZE CODE	G	H ±.010	K	V	LB/EA REF AL	LB/EA REF STEEL	LB/EA REF TI
04	.437	.750	.375	.797- .815	.0268	.0770	.0425
05	.437	.750	.500	.797- .815	.0221	.0633	.0349
06	.500	.875	.500	.985-1.003	.0387	.111	.0614
08	.500	1.125	.750	1.173-1.191	.0627	.180	.0994
10	.625	1.375	.812	1.355-1.380	.0989	.284	.157
12	.625	1.625	1.000	1.668-1.693	.163	.469	.259
16	.812	2.125	1.500	2.042-2.072	.269	.772	.426

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 AMS6349 OR AMS6382.
- 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/ HEAT TREATMENT:

- a. MATERIAL CODE LETTER F: 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.

	AEROSPACE STANDARD	AS6094™ SHEET 2 OF 4	REV. B
	FITTING, 37° SPHERICAL FLARED, CONNECTOR, MULTIPLE FLUID PRESSURE LINE, 45°		