

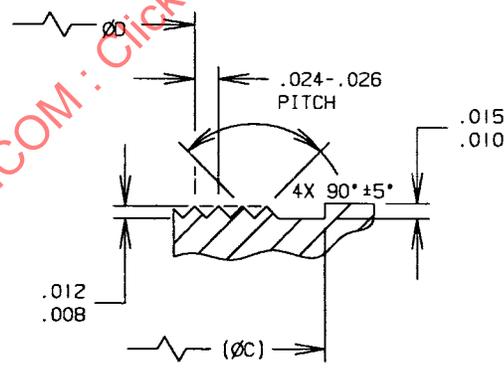
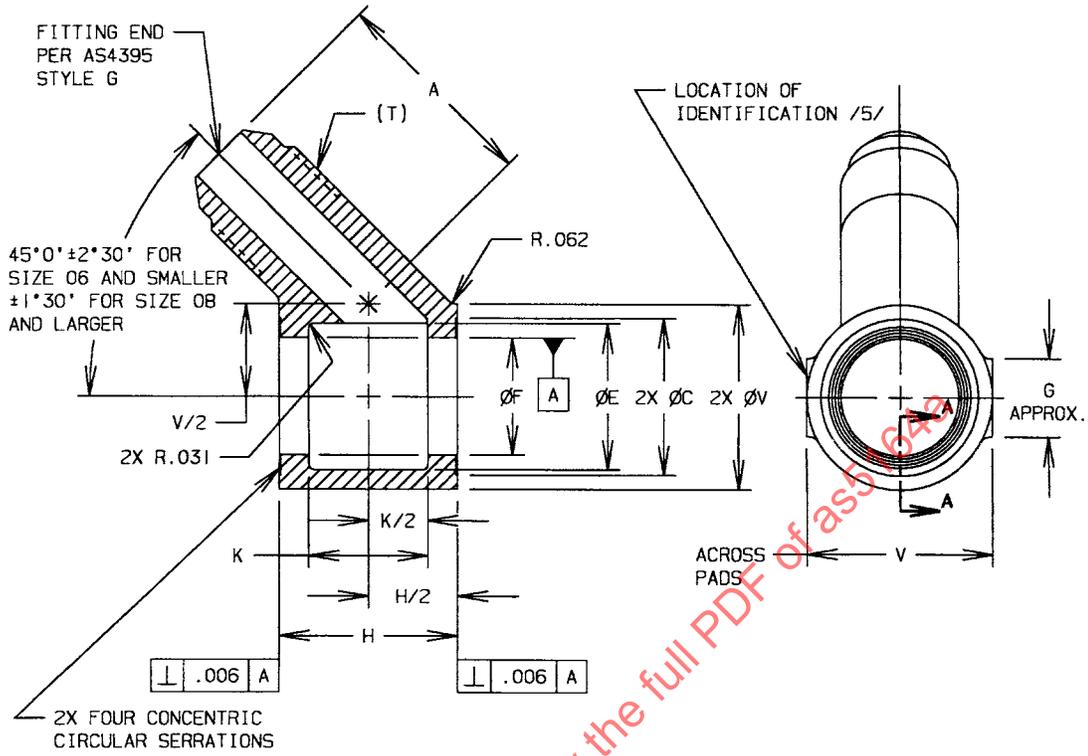
RATIONALE

AS5164A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
A

AS5164

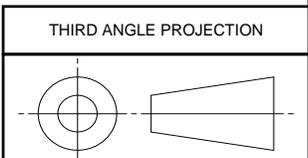
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SECTION A-A
ROTATED CCW 90°, ENLARGED

FIGURE 1 - FITTING, CONNECTOR, 45°

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5164A>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4875/1



AEROSPACE STANDARD

FITTING, CONNECTOR, MULTIPLE FLUID PRESSURE LINE, 45°

AS5164
SHEET 1 OF 3

REV.
A

ISSUED 2000-07 REVISED 2003-08 REAFFIRMED 2015-04

TABLE 1A - DIMENSIONS

BASIC NO. AS5164 /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 AND WEIGHTS

BASIC NO. AS5164 /13/ SIZE CODE	G	H ±.010	K	V	LB/EA		LB/EA	
					APPROX. REF AL	APPROX. REF STEEL	APPROX. 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:

/1/ MATERIAL:

- DASH AS CODE LETTER - TYPE 4130 CARBON STEEL FORGING OR BAR PER AMS-S-6758 OR AMS 6370; OR TYPE 4140 PER AMS 6382. /2/
- 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/
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5646.
- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY FORGING OR BAR PER AMS 4928.
- 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:

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

	AEROSPACE STANDARD	AS5164 SHEET 2 OF 3	REV. A
	FITTING, CONNECTOR, MULTIPLE FLUID PRESSURE LINE, 45°		