

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

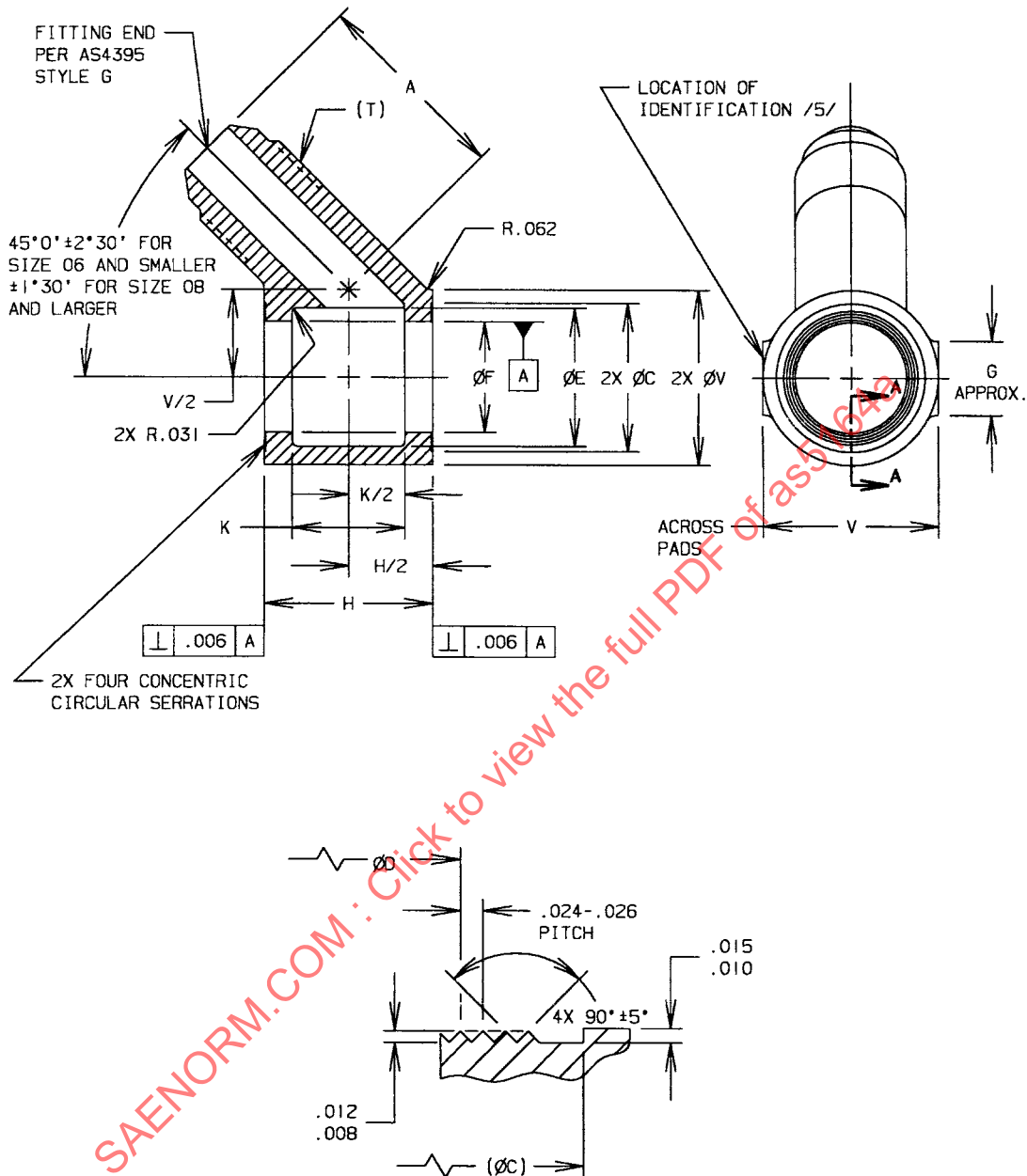
REV.
A

AS5164

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

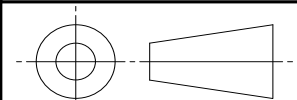


SECTION A-A
ROTATED CCW 90°, ENLARGED

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>

THIRD ANGLE PROJECTION



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

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 APPROX. REF AL	LB/EA APPROX. REF STEEL	LB/EA 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

FITTING, CONNECTOR, MULTIPLE
FLUID PRESSURE LINE, 45°

AS5164
SHEET 2 OF 3

REV.
A