

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.

AS5180

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5180 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

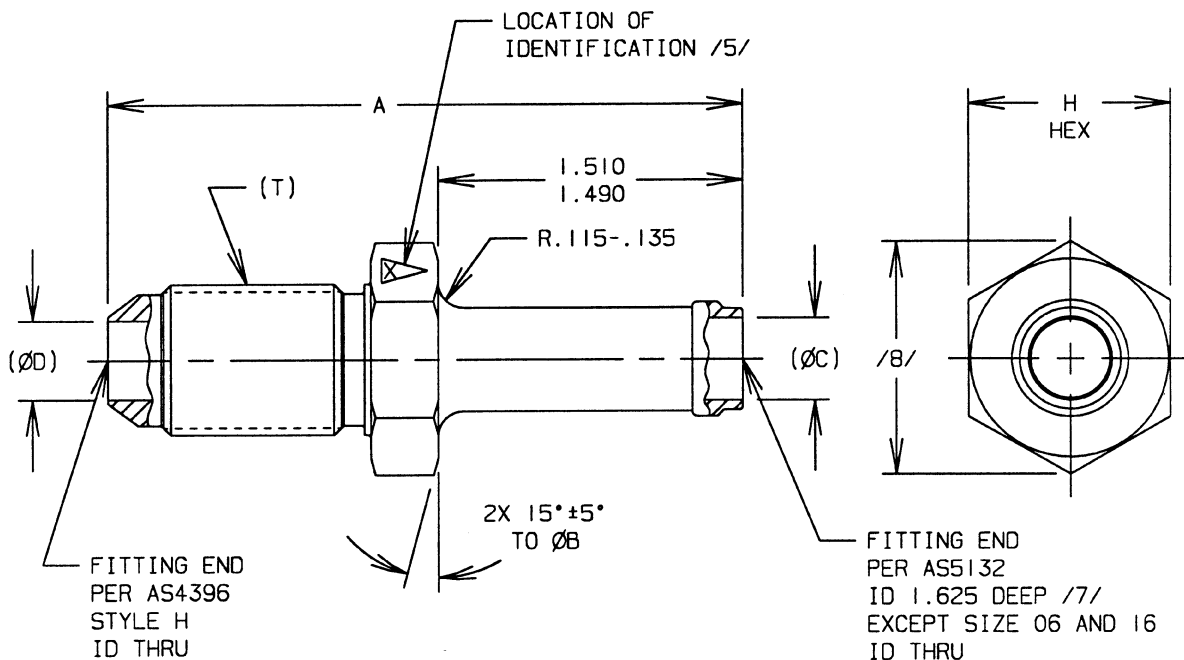
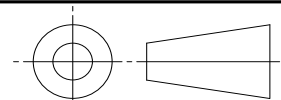


FIGURE 1 - FITTING, ADAPTER

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5180>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4843/1 /4/



AEROSPACE STANDARD

FITTING, ADAPTER, BULKHEAD, FLARED TO HOSE

AS5180
SHEET 1 OF 3

Documents

TABLE 1A - DIMENSIONS

BASIC NO. AS5180 /14/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879 CLASS 3A	A	B ±.010	C	D	H
04	.250	.4375-20 UNJF	2.812	.668	.187	.172	.678-.691
06	.375	.5625-18 UNJF	2.953	.792	.297	.297	.802-.815
08	.500	.7500-16 UNJF	3.109	.980	.406	.391	.990-1.003
10	.625	.8750-14 UNJF	3.266	1.103	.500	.484	1.113-1.128
12	.750	1.0625-12 UNJ	3.484	1.353	.625	.609	1.363-1.380
16	1.000	1.3125-12 UNJ	3.484	1.603	.845	.845	1.613-1.630
20	1.250	1.6250-12 UNJ	3.531	1.853	1.096	1.080	1.863-1.880
24	1.500	1.8750-12 UNJ	3.547	2.099	1.346	1.314	2.109-2.135

TABLE 1B - WEIGHTS

BASIC NO. AS5180 /14/ SIZE CODE	LB/EA MAX AL	LB/EA MAX CU	LB/EA MAX STEEL
04	.0773	.0803	.0766
06	.0421	.128	.121
08	.0729	.222	.209
10	.0982	.298	.282
12	.156	.474	.448
16	.190	.577	.545
20	.304	.924	.873
24	.371	1.13	1.06

NOTES:

/1/ MATERIAL:

- DASH AS CODE LETTER - TYPE 1137 CARBON STEEL PER ASTM A 108 OR TYPE 4130 PER MIL-S-6758 OR AMS 6370 OR TYPE 4140 PER MIL-S-5626 OR AMS 6382. /2/
- CODE LETTER B - TYPE 360 COPPER ALLOY BAR PER ASTM B 16, ASTM B 138 OR AMS 4610.
- CODE LETTER D - TYPE 2024-T6 ALUMINUM ALLOY BAR PER QQ-A-225/6 OR AMS 4112 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER QQ-A-225/6.
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5645.
- CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY BAR PER QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124.

	AEROSPACE STANDARD		AS5180 SHEET 2 OF 3	
	FITTING, ADAPTER, BULKHEAD, FLARED TO HOSE			



Document Sharing Hub