

REV.
C

SAE AS4734

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS4734C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

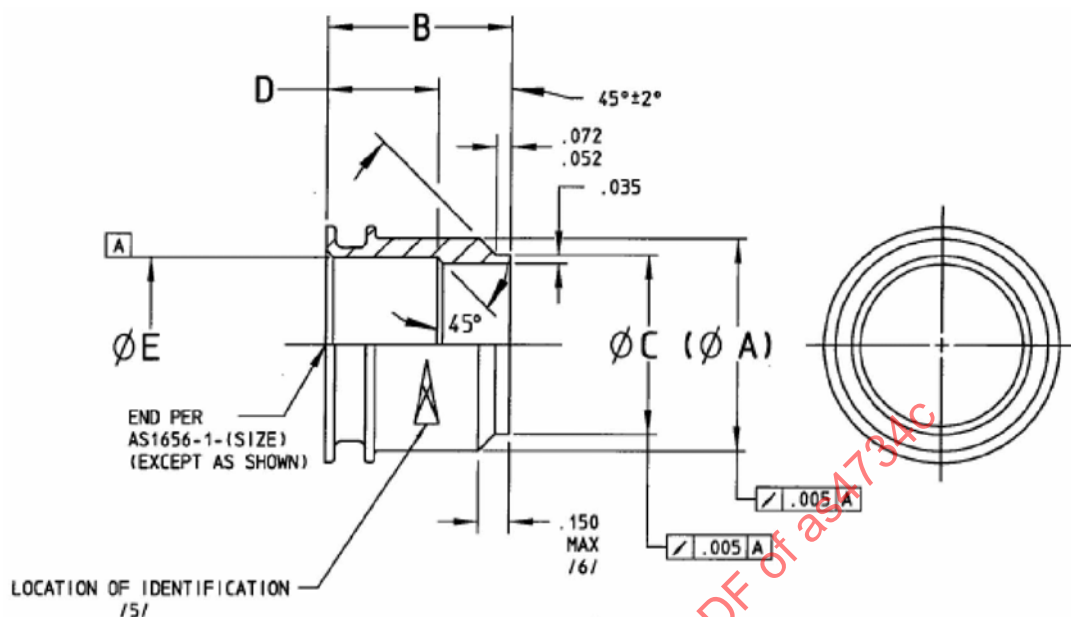


FIGURE 1 - MALE FERRULE

TABLE 1 - DIMENSIONS AND WEIGHTS /6/

BASIC NO. AS4734 /14/ SIZE CODE	NOM TUBE SIZE REF	A REF	B ±.010	C	D ±.010	E	LB/EA NOM REF ALUM	LB/EA NOM REF CRES	LB/EA NOM REF TI
08	.500	.622	.739	.500	.464	.478	.009	.026	.015
10	.625	.747	.739	.625	.464	.604	.011	.032	.018
12	.750	.887	.773	.750	.489	.729	.016	.045	.025
16	1.000	1.139	.828	1.000	.546	.979	.022	.061	.035
20	1.250	1.389	.828	1.250	.546	1.230	.027	.075	.043
24	1.500	1.639	.828	1.500	.546	1.480	.033	.093	.053
28	1.750	1.889	.828	1.750	.546	1.730	.038	.108	.062
32	2.000	2.142	.844	2.000	.559	1.980	.047	.134	.076
36	2.250	2.392	.844	2.250	.559	2.230	.053	.150	.085
40	2.500	2.642	.844	2.500	.559	2.481	.059	.165	.094
48	3.000	3.142	.844	3.000	.559	2.981	.070	.198	.112
56	3.500	3.642	.844	3.500	.559	3.483	.083	.233	.133
64	4.000	4.151	.844	4.000	.559	3.983	.100	.282	.161

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4734C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: /4/ AS1650

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

MALE FERRULE, THREADLESS - FLEXIBLE, FIXED CAVITY, SELF-BONDING, BUTT WELDED

SAE AS4734
SHEET 1 OF 3

REV.
C

NOTES:

/1/ MATERIAL:

- a. CODE LETTER A - TYPE 6061-T6, T651, OR T6511 ALUMINUM ALLOY PER AMS-QQ-A-225/8, AMS 4080, AMS 4082, AMS 4117, AMS 4128, AMS-QQ-A-200/8, ASTM B 211 OR WW-T-700/6.
- b. CODE LETTER C - TYPE 321 OR 347, CONDITION A, CORROSION RESISTANT STEEL PER AMS 5645, AMS 5646, QQ-S-763, ASTM A 269, ASTM A 312, OR ASTM A 376.
- c. CODE LETTER T - TYPE CP-70, CONDITION A, COMMERCIALLY PURE TITANIUM PER AMS 4921 (MIL-T-9047).

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER A - IF THE RAW MATERIAL IS PROCURED IN THE SOLUTION TREATED CONDITION, AGE TO THE FINAL CONDITION PER AMS-H-6088 OR AMS 2770.
- b. MATERIAL CODE LETTER C - NONE.
- c. MATERIAL CODE LETTER T - NONE.

3. FINISH:

- a. MATERIAL CODE LETTER A - NONE.
- b. MATERIAL CODE LETTER C - PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
- c. MATERIAL CODE LETTER T - NONE.

/4/ THIS PRODUCT SHALL BE QUALIFIED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS1650. USERS OF THIS STANDARD SHALL PROCURE THIS PRODUCT FROM ACCREDITED MANUFACTURER(S) OR THEIR ACCREDITED DISTRIBUTOR(S) AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST PRI-QPL-AS1650 FOR THIS STANDARD. CHANGE OVER FROM USER-QPL TO PRI-QPL SHALL BE COMPLETED WITHIN 18 MONTHS AFTER RELEASE OF THIS STANDARD.

/5/ IDENTIFICATION: MARK PER AS478-30 USING .062 in OR LARGER CHARACTERS. MARK AS A MINIMUM THE MANUFACTURER'S NAME, TRADEMARK AND/OR CAGE CODE, COMPLETE "AS" NUMBER AND DATE OF MANUFACTURE IN QUARTERS (1Q98 = FIRST QUARTER 1998). SIZES 12 AND SMALLER MAY BE INDIVIDUALLY BAGGED WITH A TAG PER AS478-35D CONTAINING THE PREVIOUS INFORMATION.

/6/ OTHER DIMENSIONS AND TOLERANCES ARE SPECIFIED AND CONTROLLED BY THE SUPPLIER. THE SUPPLIER IS RESPONSIBLE TO ENSURE COMPATIBILITY WITH THE ASSEMBLY AND COMPLIANCE WITH THE REQUIREMENTS OF THE PROCUREMENT SPECIFICATION.

7. INVENTORIED PARTS CONFORMING TO THE PREVIOUS ISSUE MAY BE USED TO DEPLETION.

8. THE CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS SPECIFICATION. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.

9. INTERPRETATION OF DRAWING PER ARP4296.

10. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ in Ra.

 An SAE International Group	AEROSPACE STANDARD	SAE AS4734 SHEET 2 OF 3	REV. C
	MALE FERRULE, THREADLESS - FLEXIBLE, FIXED CAVITY, SELF-BONDING, BUTT WELDED		