

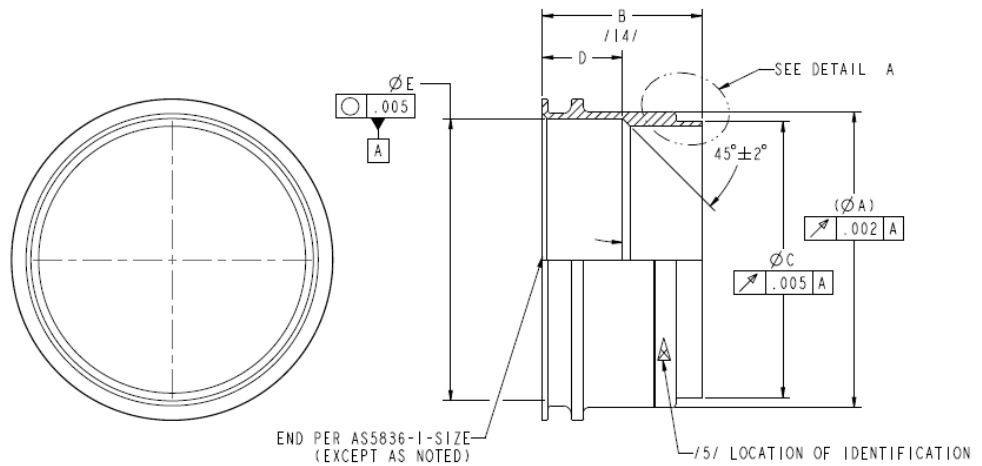
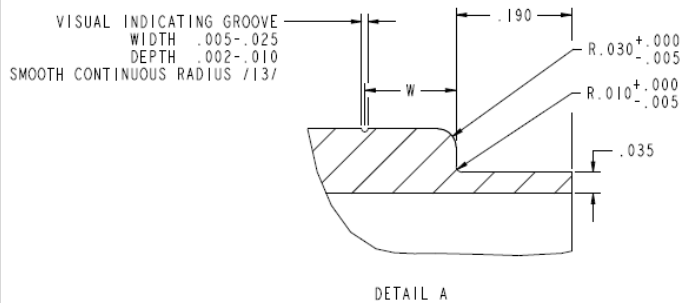
REV.
C

AS7516™

FEDERAL SUPPLY CLASS
4730

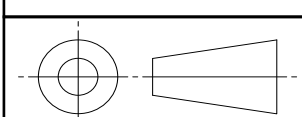
RATIONALE

CORRECT THE RADIUS IN DETAIL A AT THE BACK OF THE SKIRT TO ALIGN WITH AS7513. UPDATE PROCUREMENT FLAG NOTE 4 TO THE LATEST VERBIAGE.



SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS7516C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS7510 /4/



AEROSPACE STANDARD

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

AS7516™
SHEET 1 OF 3

REV.
C

TABLE 1 - DIMENSIONS AND WEIGHTS /6/

BASIC NO AS7516 /12/ SIZE CODE	NOM TUBE SIZE REF	ØA REF	B ±.010	ØC ±.005	D ±.010	ØE ±.005	W +.000 -.010	LB/EA REF ALUM
08	.500	.6225	1.020	.500	.445	.531	.117	.01
10	.625	.7475	1.020	.625	.445	.654	.117	.01
12	.750	.8875	1.082	.750	.507	.782	.105	.02
16	1.000	1.1395	1.126	1.000	.551	1.001	.111	.03
20	1.250	1.3895	1.126	1.250	.551	1.252	.150	.03
24	1.500	1.6395	1.126	1.500	.551	1.521	.150	.04
28	1.750	1.8895	1.126	1.750	.551	1.770	.150	.05
32	2.000	2.1425	1.153	2.000	.578	2.042	.150	.05
36	2.250	2.3925	1.153	2.250	.578	2.290	.150	.06
40	2.500	2.6425	1.158	2.500	.583	2.538	.150	.07
48	3.000	3.1425	1.178	3.000	.603	3.035	.150	.08
56	3.500	3.6425	1.238	3.500	.663	3.547	.150	.10
64	4.000	4.1515	1.268	4.000	.693	4.050	.150	.12

NOTES:

/1/ MATERIAL:

MATERIAL CODE LETTER A – TYPE 6061-T6, T651, OR T6511 ALUMINUM ALLOY PER AMS-QQ-A-225/8, AMS4082, AMS4117, AMS4128, AMS-QQ-A-200/8, ASTM B211, OR AMS-WW-T-700/6.

2. HEAT TREATMENT:

MATERIAL CODE LETTER A – IF THE MATERIAL IS PROCURED IN THE SOLUTION TREATED CONDITION, AGE TO THE FINAL TEMPER PER AMS2770 OR AMS2772.

3. FINISH:

MATERIAL CODE LETTER A – NONE

/4/ PROCUREMENT SPECIFICATION: AS7510 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE PRI QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS7510 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ONLINE.

/5/ IDENTIFICATION: MARK PER AS478-15A OR AS478-30 USING .062 OR LARGER CHARACTERS. MARK AS A MINIMUM THE MANUFACTURER'S NAME, OR CAGE CODE, COMPLETE "AS" NUMBER AND DATE OF MANUFACTURE IN ACCORDANCE WITH MIL-STD-130. SIZES 20 AND SMALLER MAY BE INDIVIDUALLY BAGGED WITH A TAG PER AS478-35D CONTAINING THE PREVIOUS INFORMATION.

/6/ OTHER DIMENSIONS AND TOLERANCES NOT SPECIFIED ARE CONTROLLED BY THE MANUFACTURER. THE MANUFACTURER IS RESPONSIBLE TO ENSURE COMPATIBILITY WITH THE ASSEMBLY AND COMPLIANCE WITH THE REQUIREMENTS OF THE PROCUREMENT SPECIFICATION.

7. INTERPRETATION OF DRAWING PER AS4296.

8. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACE TO BE 125 MICROINCHES Ra.

9. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

10. DIMENSION AND TOLERANCE PER ASME Y14.5-2009.

11. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ±.005, ANGULAR DIMENSIONS ±0°30'.

	AEROSPACE STANDARD		AS7516™ SHEET 2 OF 3	REV. C
	MALE FERRULE, THREADLESS - FLEXIBLE, FIXED CAVITY, SELF-BONDING, BUTT WELDED			



