

REV.
C

AS7514™

FEDERAL SUPPLY CLASS
4730

RATIONALE

INTERCHANGEABILITY (PERFORMANCE) OF SLEEVES (AS7514) AND COUPLINGS (AS7515) USED TOGETHER FROM DIFFERENT SUPPLIERS HAS NOT BEEN VERIFIED. SUSPEND QPL AS7514 AND QPL AS7515 DUE TO THIS SAFETY CONCERN. SLEEVE AND COUPLING MUST BE PURCHASED TOGETHER AS AN ASSEMBLED COUPLING/KIT (AS7512).

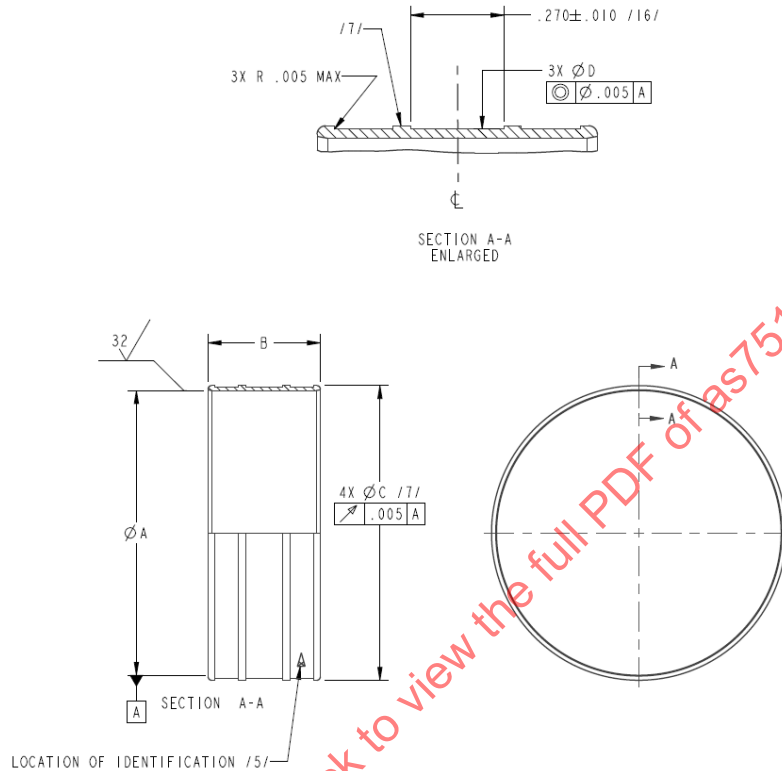
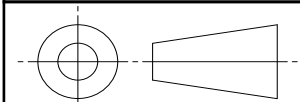


FIGURE 1 - SLEEVE

For more information on this standard, visit
<https://www.sae.org/standards/content/AS7514C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: AS7510 /4/



AEROSPACE STANDARD

SLEEVE, THREADLESS,
FLEXIBLE, FIXED CAVITY,
CURRENT CARRYING, SELF BONDING

AS7514™
SHEET 1 OF 3

REV.
C

TABLE 1 - DIMENSIONS AND WEIGHTS /6/

BASIC NO AS7514 /13/ SIZE CODE	NOM TUBE SIZE REF	ØA ±.002	B ±.005	ØC ±.002	ØD ±.002	LB/EA NOM REF ALUM
08	.500	.703	.627	.775	.755	.004
10	.625	.828	.627	.900	.880	.005
12	.750	1.009	.731	1.081	1.061	.007
16	1.000	1.290	.811	1.362	1.342	.010
20	1.250	1.537	.811	1.609	1.589	.011
24	1.500	1.807	.811	1.879	1.859	.013
28	1.750	2.059	.811	2.131	2.111	.015
32	2.000	2.332	.855	2.404	2.384	.018
36	2.250	2.582	.855	2.654	2.634	.020
40	2.500	2.832	.855	2.908	2.888	.024
48	3.000	3.332	.855	3.412	3.392	.030
56	3.500	3.848	.945	3.934	3.914	.042
64	4.000	4.354	.975	4.446	4.426	.053

NOTES:

/1/ MATERIAL:

MATERIAL CODE LETTER A: TYPE 2024-T351, T851, T8510, OR T8511 ALUMINUM ALLOY PER AMS-QQ-A-225/6, AMS4120, AMS4339, AMS-QQ-A-200/3, AMS-WW-T-700/3, OR ASTM B211.

2. HEAT TREATMENT:

MATERIAL CODE LETTER A: IF THE RAW MATERIAL IS PROCURED IN THE SOLUTION TREATED CONDITION, AGE TO T851 OR T8511 PER AMS2770 OR AMS2772.

3. FINISH:

MATERIAL CODE LETTER A: ANODIZE PER AMS2472, OR MIL-A-8625, TYPE II, CLASS 2, DYE GREY, SIMILAR IN COLOR TO AMS-STD-595 NO. 16251, DUPLEX SEALED /16/.

/4/ SLEEVES SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED AND ASSEMBLED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS (QPL) LIST FOR PRI QPL AS7510 /17/. THE QPL IS AVAILABLE AT www.eAuditNet.com.

/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/ OPTIONAL RIBBED OR CIRCUMFERENTIAL GROOVED SURFACE. DIAMETER 'C' IS POST RIBBED DIMENSION.

8. INTERPRETATION OF DRAWING PER AS4296.

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

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

11. DIMENSION AND TOLERANCE PER ASME Y14.5-2009, UNLESS OTHERWISE NOTED. THE .270 DIMENSION IS SYMMETRIC ABOUT THE CENTERLINE WITHIN ±.005. SYMMETRY IS DEFINED BY THE MIDPOINT OF DIMENSION B.

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

	AEROSPACE STANDARD		AS7514™ SHEET 2 OF 3	REV. C
	SLEEVE, THREADLESS, FLEXIBLE, FIXED CAVITY, CURRENT CARRYING, SELF BONDING			