

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

AS7513™

FEDERAL SUPPLY CLASS
4730

RATIONALE

INCREASE VISUAL INDICATING GROOVE TOLERANCES TO SUPPORT MANUFACTURABILITY. CLEANED UP DRAWING VIEWS.

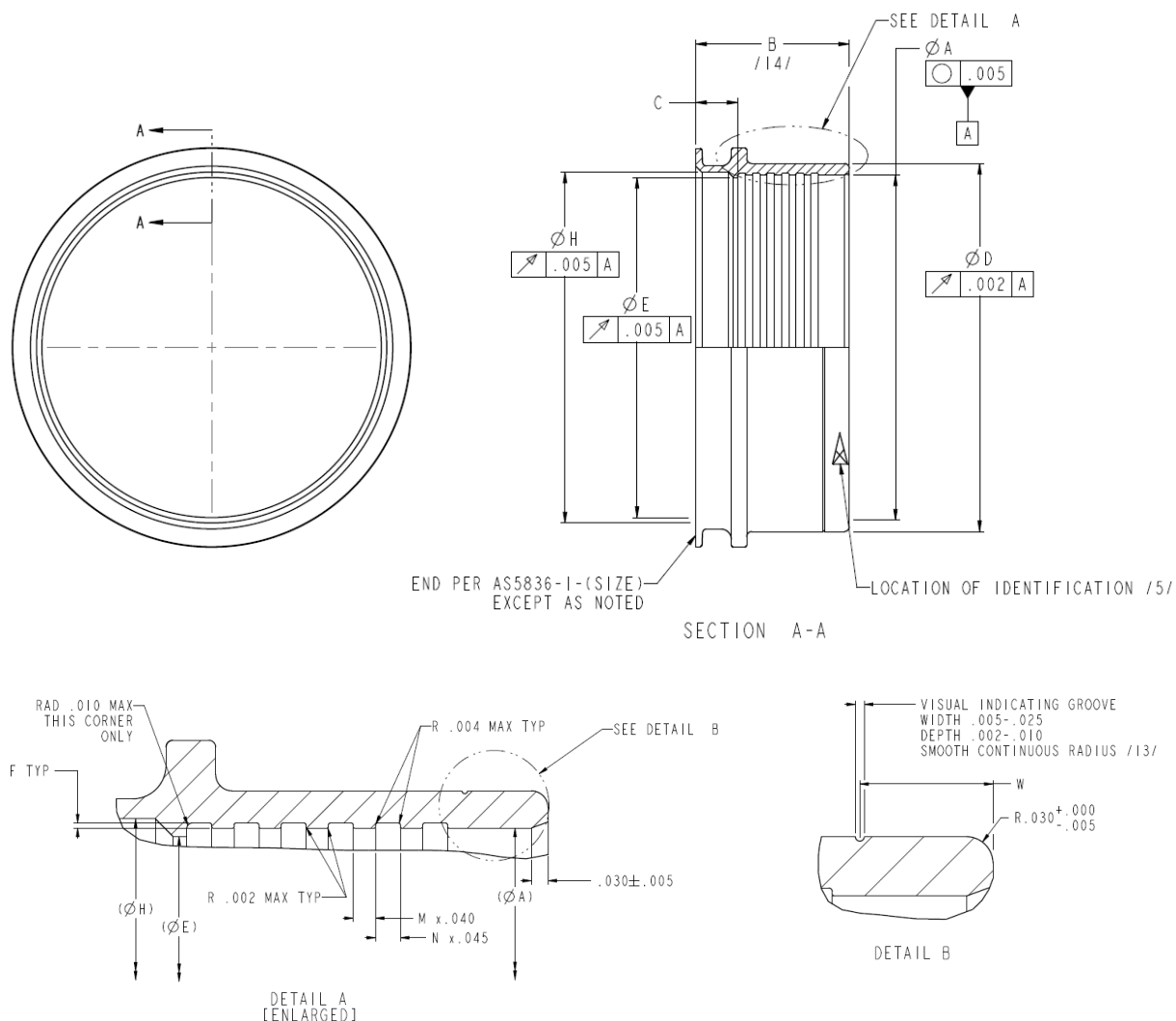


FIGURE 1

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS7513A>

CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: AS7510 /4/



AEROSPACE STANDARD

(R) MALE FERRULE, THREADLESS, - FLEXIBLE,
FIXED CAVITY, CURRENT CARRYING,
SELF BONDING, SWAGED

AS7513™
SHEET 1 OF 3

REV.
A

Copyright © 2019 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 - DIMENSIONS AND WEIGHTS /6/

BASIC NO. AS7513 /12/ SIZE CODE	NOM TUBE SIZE REF	ØA ±.003	B ±.010	C	ØD REF	ØE ±.002	F ±.001	ØH ±.005	M	N	W +.000 -.010	LB/EA REF ALUM
08	.500	.507	.704	.170	.6225	.480	.007	.531	3	4	.117	.01
10	.625	.633	.704	.170	.7475	.607	.007	.654	3	4	.117	.01
12	.750	.758	.754	.220	.8875	.732	.007	.782	3	4	.105	.02
16	1.000	1.008	.804	.245	1.1395	.983	.008	1.001	4	5	.111	.02
20	1.250	1.259	.804	.245	1.3895	1.233	.008	1.252	4	5	.111	.03
24	1.500	1.509	.866	.245	1.6395	1.478	.009	1.521	5	6	.150	.03
28	1.750	1.759	.866	.245	1.8895	1.728	.009	1.770	5	6	.150	.04
32	2.000	2.009	.896	.245	2.1425	1.979	.009	2.042	5	6	.150	.04
36	2.250	2.259	.927	.245	2.3925	2.229	.009	2.290	5	6	.150	.05
40	2.500	2.510	.927	.265	2.6425	2.479	.011	2.538	5	6	.150	.06
48	3.000	3.010	.927	.265	3.1425	2.977	.011	3.035	5	6	.150	.07
56	3.500	3.512	.957	.265	3.6425	3.479	.012	3.547	6	7	.150	.08
64	4.000	4.012	1.140	.265	4.1515	3.979	.013	4.050	7	8	.150	.11

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, ASTM B211, OR ASTM B241.

2. HEAT TREATMENT:

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

3. FINISH:

MATERIAL CODE LETTER A – CHEMICAL CONVERSION COAT PER MIL-DTL-5541, TYPE 1, CLASS 3.

/4/ QUALIFICATION: FERRULES MANUFACTURED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) FOR PRI-QPL-AS7510 FOR THIS STANDARD. 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, AND/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	AS7513™ SHEET 2 OF 3 	REV. A
	(R) MALE FERRULE, THREADLESS, - FLEXIBLE, FIXED CAVITY, CURRENT CARRYING, SELF BONDING, SWAGED		



Documents

Document Sharing Hub