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REV.
C

AS9516™

FEDERAL SUPPLY CLASS
5305

RATIONALE

FIGURE REDRAWN TO LATEST STANDARDS, USAGE NOTE ADDED, SPECS UPDATED.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9516C. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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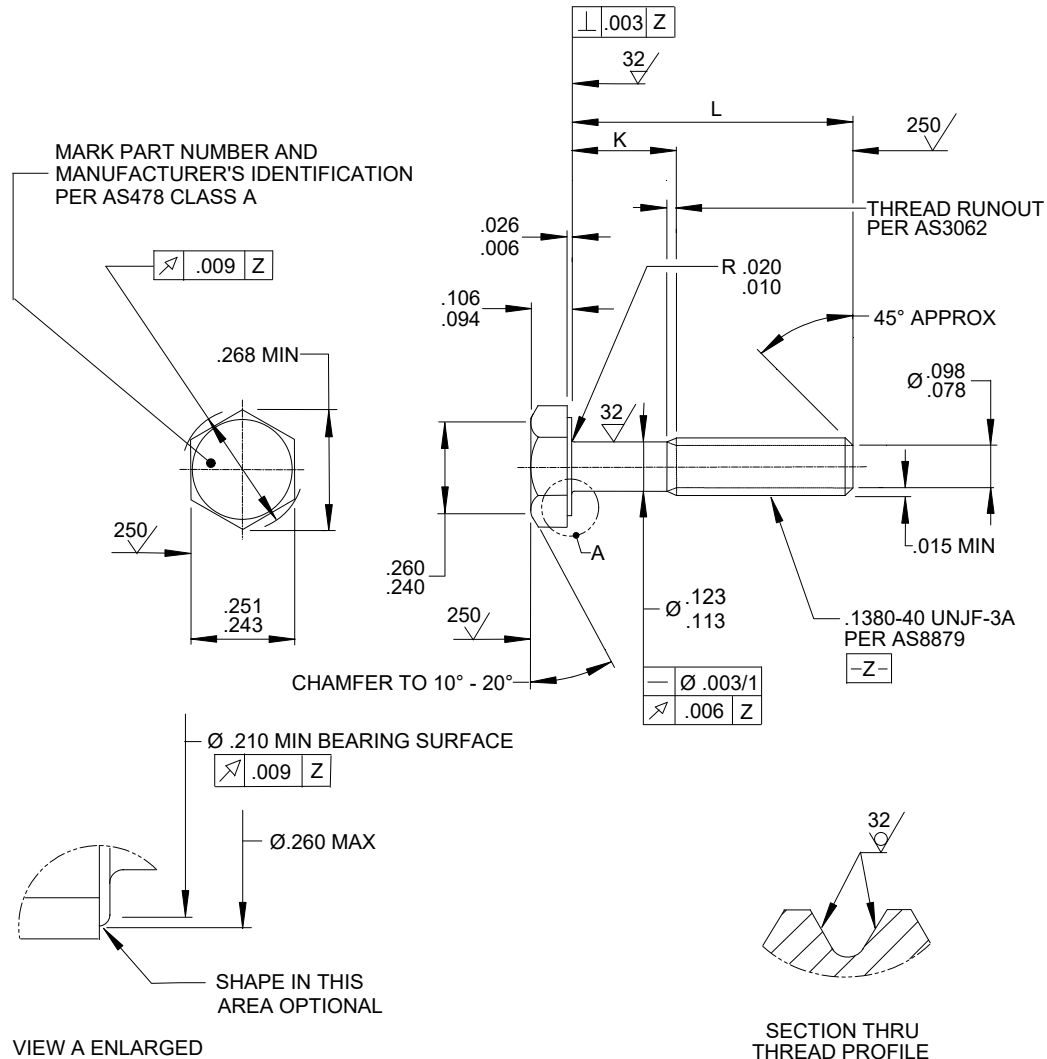
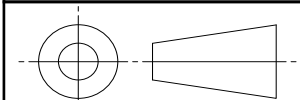


FIGURE 1 - SCREW

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9516C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452



AEROSPACE STANDARD

(R) SCREW, MACHINE - STEEL, CADMIUM PLATED,
HEXAGON HEAD, UNS G87400, 125 KSI MIN, .1380-40
UNJF-3A

AS9516™
SHEET 1 OF 2

REV.
C

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9516-02	.240 - .260	.058 - .078	.25	MS9516-14	.990 - 1.010	.414 - .474	.53
MS9516-03	.302 - .322	.058 - .078	.27	MS9516-15	1.052 - 1.072	.476 - .536	.56
MS9516-04	.365 - .385	.058 - .078	.30	MS9516-16	1.115 - 1.135	.539 - .599	.58
MS9516-05	.428 - .448	.058 - .078	.32	MS9516-17	1.178 - 1.198	.602 - .662	.61
MS9516-06	.490 - .510	.058 - .078	.34	MS9516-18	1.240 - 1.260	.664 - .724	.63
MS9516-07	.552 - .572	.058 - .078	.37	MS9516-19	1.302 - 1.322	.726 - .786	.65
MS9516-08	.615 - .635	.058 - .099	.39	MS9516-20	1.365 - 1.385	.789 - .849	.68
MS9516-09	.678 - .698	.102 - .162	.42	MS9516-21	1.428 - 1.448	.852 - .912	.70
MS9516-10	.740 - .760	.164 - .224	.44	MS9516-22	1.490 - 1.510	.914 - .974	.72
MS9516-11	.802 - .822	.226 - .286	.46				
MS9516-12	.865 - .885	.289 - .349	.49				
MS9516-13	.928 - .948	.352 - .412	.51				

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

1. MATERIAL: AMS6322 (SAE 8470 COMPOSITION SIMILAR TO UNS G87400).
2. PROCUREMENT SPECIFICATION: AS7452.
3. HARDNESS: 26 TO 32 HRC.
4. HEAD TO SHANK FILET RADIUS: DOES NOT APPLY TO DASH NUMBER SIZES -10 AND SMALLER.
5. FINISH: CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING.
6. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.
7. INCOMPLETE THREADS NOT TO ENTER FILLET.
8. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
9. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
11. DIMENSIONS ARE IN INCHES.
12. DO NOT USE UNASSIGNED PART NUMBERS.
13. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
14. REVISION INDICATOR: A 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 DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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ASTM IS AN AMERICAN SOCIETY FOR TESTING AND MATERIALS PUBLICATION.

	AEROSPACE STANDARD		AS9516™ SHEET 2 OF 2	REV. C
	(R) SCREW, MACHINE - STEEL, CADMIUM PLATED, HEXAGON HEAD, UNS G87400, 125 KSI MIN, .1380-40 UNJF-3A			



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