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REV.
D

AS9516™

FEDERAL SUPPLY CLASS
5305

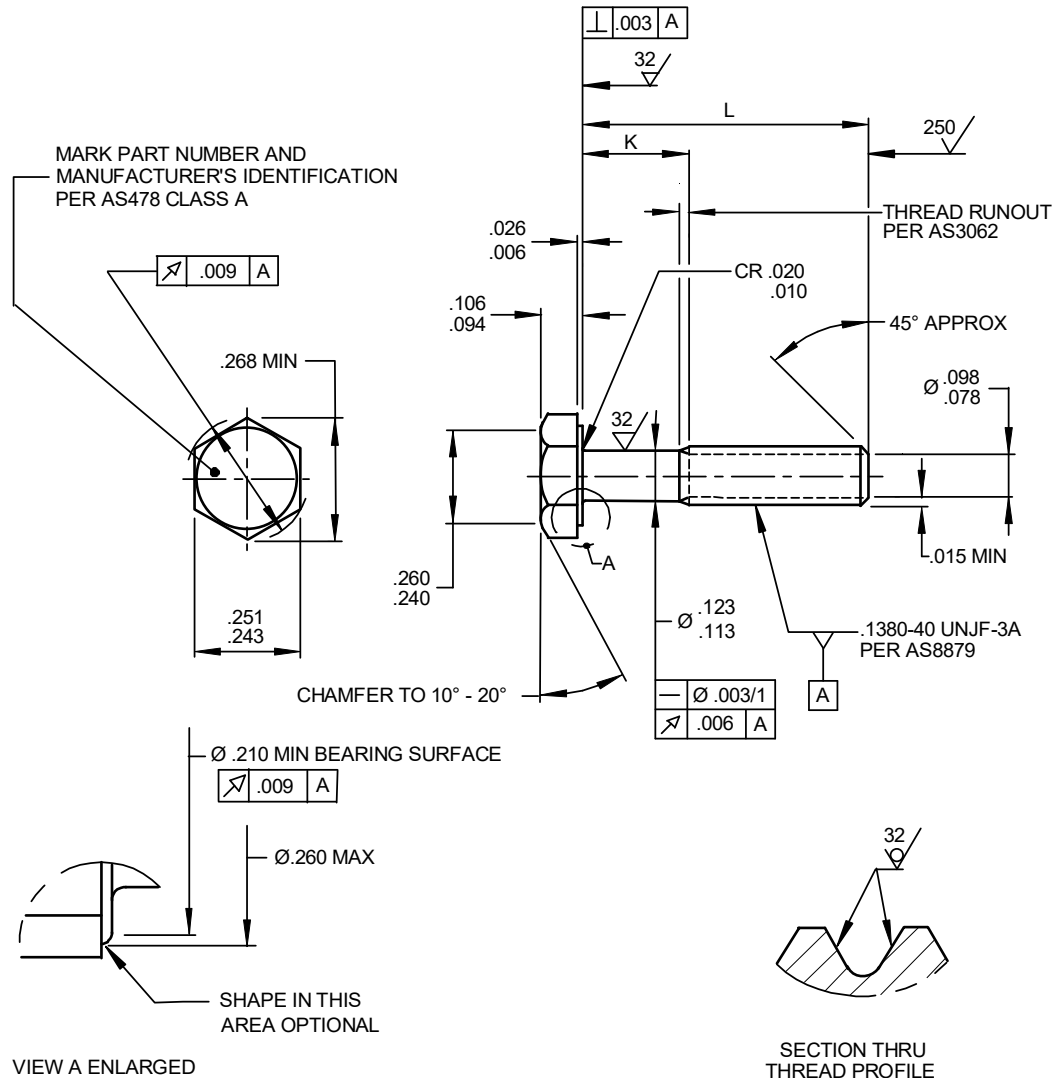
RATIONALE

FIGURE REDRAWN TO ASME Y14-5-2018, LEADING THREAD CHAMFERS TO AS1132.

NOTICE

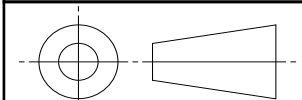
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For more information on this standard, visit
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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452



AEROSPACE STANDARD

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

AS9516™
SHEET 1 OF 2

REV.
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Documents

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100
MS9516-02	.240 - .260	.058 - .078	.25
MS9516-03	.302 - .322	.058 - .078	.27
MS9516-04	.365 - .385	.058 - .078	.30
MS9516-05	.428 - .448	.058 - .078	.32
MS9516-06	.490 - .510	.058 - .078	.34
MS9516-07	.552 - .572	.058 - .078	.37
MS9516-08	.615 - .635	.058 - .099	.39
MS9516-09	.678 - .698	.102 - .162	.42
MS9516-10	.740 - .760	.164 - .224	.44
MS9516-11	.802 - .822	.226 - .286	.46
MS9516-12	.865 - .885	.289 - .349	.49
MS9516-13	.928 - .948	.352 - .412	.51

PART NO.	L	K	APPROX. MASS LB/100
MS9516-14	.990 - 1.010	.414 - .474	.53
MS9516-15	1.052 - 1.072	.476 - .536	.56
MS9516-16	1.115 - 1.135	.539 - .599	.58
MS9516-17	1.178 - 1.198	.602 - .662	.61
MS9516-18	1.240 - 1.260	.664 - .724	.63
MS9516-19	1.302 - 1.322	.726 - .786	.65
MS9516-20	1.365 - 1.385	.789 - .849	.68
MS9516-21	1.428 - 1.448	.852 - .912	.70
MS9516-22	1.490 - 1.510	.914 - .974	.72

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: ASME Y14.5-2018.
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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	AEROSPACE STANDARD		AS9516™ SHEET 2 OF 2	REV. D
	SCREW, MACHINE - STEEL, CADMIUM PLATED, HEXAGON HEAD, UNS G87400, 125 KSI MIN, .1380-40 UNJF-3A			

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