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REV.
A

AS3098™

FEDERAL SUPPLY CLASS
5305

RATIONALE

REVISE THREAD TO AS8879, REVISE LEAD THREAD CHAMFER, ADD RUNOUT REQUIREMENT TO BEARING FACE DIAMETER, ADD EDGE DISTANCE EXCEPTION ON HEAD MARKING, ADD SURFACE TEXTURE REQUIREMENT TO WRENCH FLATS, ADD AS3062 FOR THREAD RUNOUT TO FIGURE 1, UPDATE FPI REQUIREMENTS, UPDATE SURFACE TEXTURE NOTE AND REFERENCES, DELETE METRIC DIMENSIONS, ADD NOTE FOR THE DISPOSITION OF EXISTING INVENTORY, FIGURE 1 REDRAWN, GENERAL EDITORIAL UPDATES.

AS3098A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

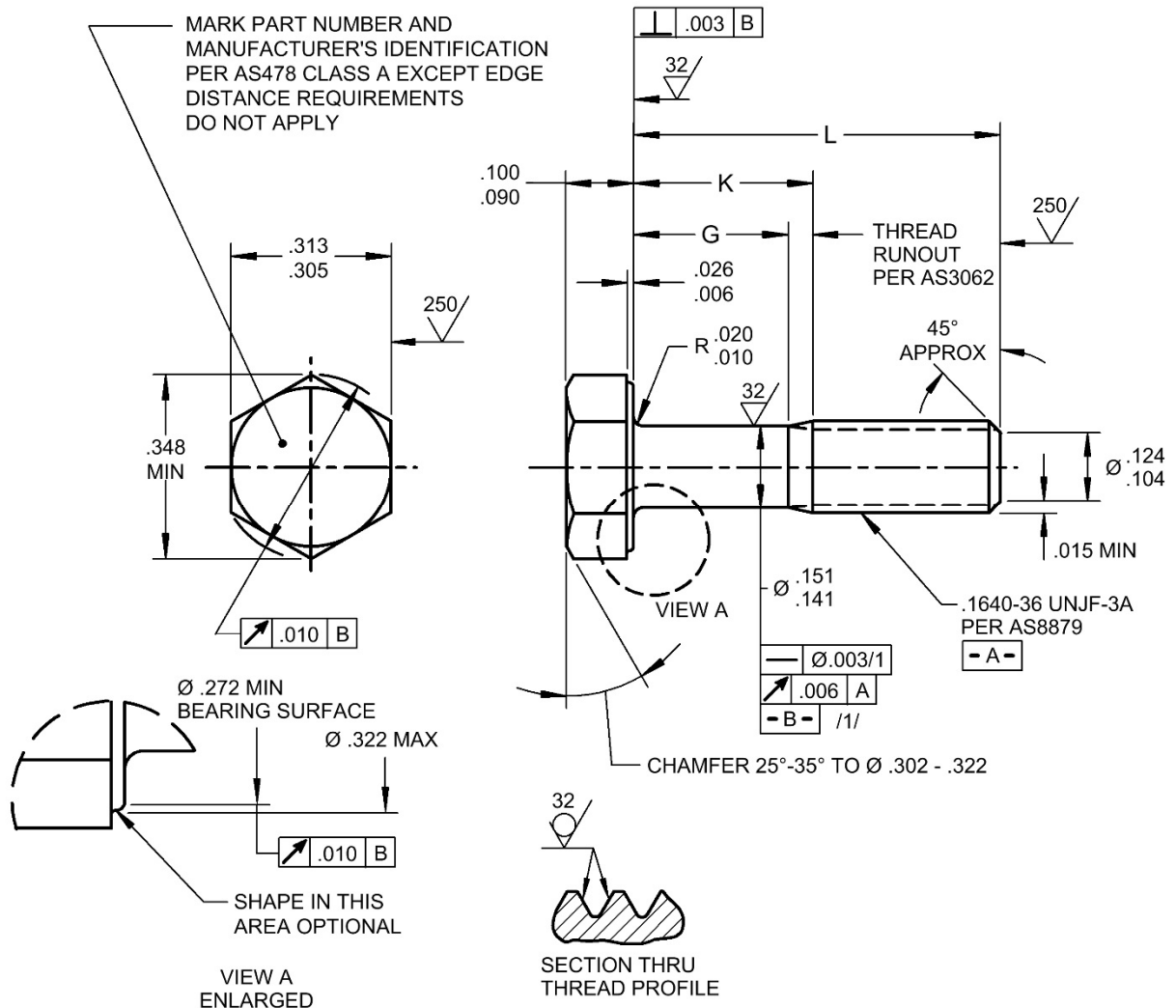
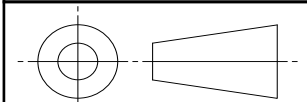


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3098A/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477



AEROSPACE STANDARD

(R) SCREW, MACHINE - HEXAGON HEAD, PD SHANK,
CRES AMS5731 (UNS S66286), .164-36 UNJF-3A

AS3098™
SHEET 1 OF 2

REV.
A

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TABLE 1 - PART NUMBERS, DIMENSIONS L, G, K AND APPROX MASS

PART NUMBER	L	G MIN	K MAX	APPROX MASS LB/100
AS3098-10	.740-.760	.056	.172	.56
AS3098-11	.802-.822	.118	.234	.59
AS3098-12	.865-.885	.181	.297	.62
AS3098-13	.928-.948	.244	.360	.65
AS3098-14	.990-1.010	.306	.422	.68
AS3098-15	1.052-1.072	.368	.484	.71
AS3098-16	1.115-1.135	.431	.547	.74
AS3098-17	1.178-1.198	.494	.610	.77
AS3098-18	1.240-1.260	.556	.672	.80
AS3098-19	1.302-1.322	.618	.734	.83
AS3098-20	1.365-1.385	.681	.797	.86
AS3098-21	1.428-1.448	.744	.860	.89
AS3098-22	1.490-1.510	.806	.922	.92
AS3098-23	1.552-1.572	.868	.984	.95
AS3098-24	1.615-1.635	.931	1.047	.98
AS3098-25	1.678-1.698	.994	1.110	1.01
AS3098-26	1.740-1.760	1.056	1.172	1.04
AS3098-27	1.802-1.822	1.118	1.234	1.07
AS3098-28	1.865-1.885	1.181	1.297	1.10
AS3098-29	1.928-1.948	1.244	1.360	1.13
AS3098-30	1.990-2.010	1.306	1.422	1.16

NOTES:

- /1/ FOR PART NUMBERS AS3098-10 THROUGH AS3098-12, DATUM A (THREAD PD) SHALL REPLACE DATUM B.
2. MATERIAL: CORROSION RESISTANT STEEL AMS5731 (UNS S66286).
3. MANUFACTURING SPECIFICATION: AS7477.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M TYPE 1, SENSITIVITY LEVEL 2 MIN.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra EXCEPT UPSET HEAD.
6. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS ARE IN INCHES.
8. DIMENSIONS AND TOLERANCING: ANSI Y14 .5M-1982 (ASME PUBLICATION).
9. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
10. DO NOT USE UNASSIGNED PART NUMBERS.
11. 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 TITLE INDICATES A COMPLETE REVISION TO 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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ASME IS AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS PUBLICATION.
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	AEROSPACE STANDARD		AS3098™ SHEET 2 OF 2	REV. A
	(R) SCREW, MACHINE - HEXAGON HEAD, PD SHANK, CRES AMS5731 (UNS S66286), .164-36 UNJF-3A			



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