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REV.
B

AS3485™

FEDERAL SUPPLY CLASS
5310

RATIONALE

FIGURE 1 REDRAWN WITH FORMAT UPDATES AND EDITORIAL REVISIONS. NEW REQUIREMENTS PER AS1132 ADDED (EXIT END COUNTERSINK, BEARING FACE FLATNESS, CONVEXITY, AND ØL), NOTES 2 AND 4 COMBINED AND EDITED FOR CLARITY. HEAT TREAT CONTROL AND EXCEPTION FOR RECRYSTALLIZED MICROSTRUCTURE ADDED, TABLE 1 REFORMATTED, AND AS870 DASH NOS AND ØL ADDED, GENERAL EDITORIAL REVISIONS THROUGHOUT.

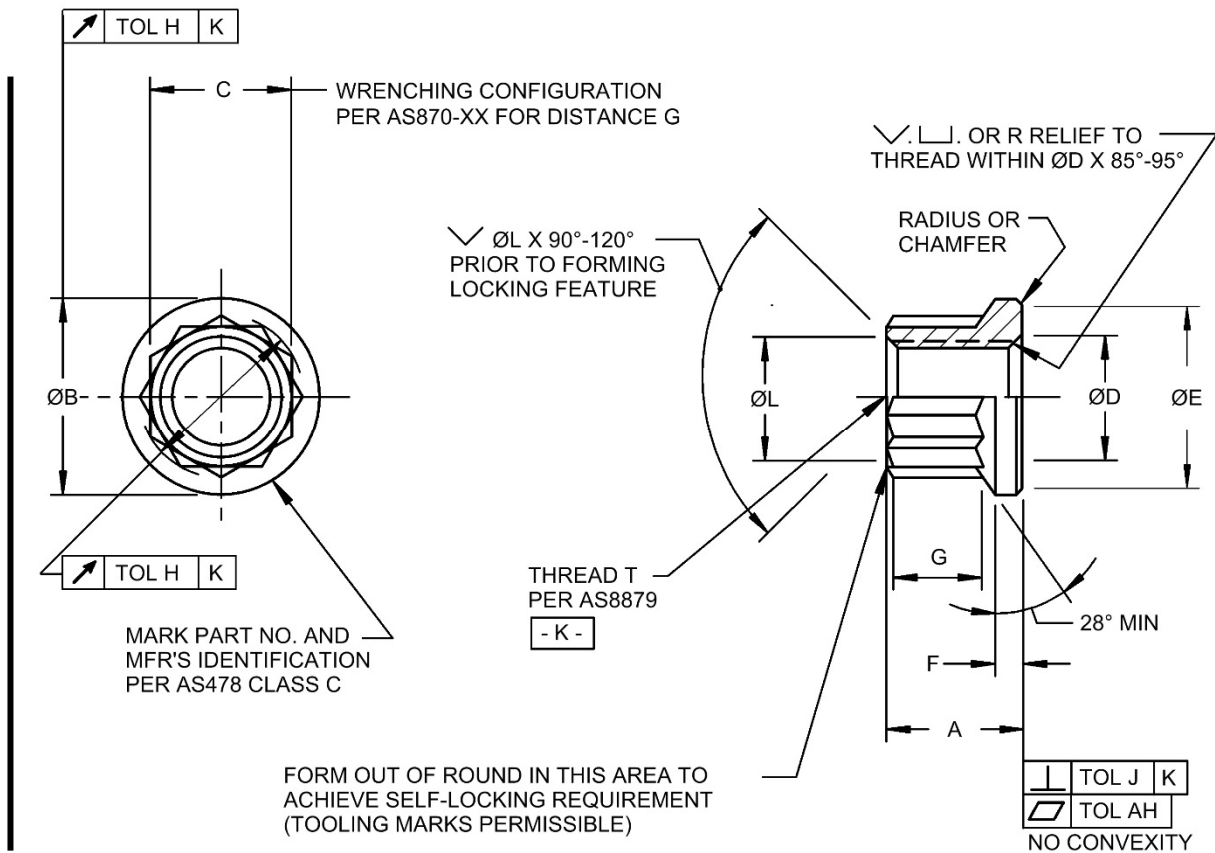
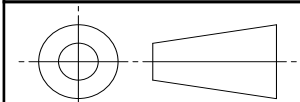


FIGURE 1 - NUT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3485B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS4393 /2/



AEROSPACE STANDARD

NUT, SELF-LOCKING, 12 POINT,
REDUCED HEIGHT, SILVER PLATE,
UNS S66286, CLASS 160 KSI/1200°F

AS3485™
SHEET 1 OF 2

REV.
B

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TABLE 1A - PART NUMBERS, T THREAD, AND DIMENSIONS A - ØE

PART NUMBER	T THREAD	AS870 DASH NO.	A	ØB MAX	C NOM	ØD MAX	ØE MIN
AS3485-09	.1900-32UNJF-3B	08	.235-.250	.340	.2500	.220	.310
AS3485-10	.2500-28UNJF-3B	10	.307-.322	.430	.3125	.280	.400
AS3485-11	.3125-24UNJF-3B	12	.345-.360	.515	.3750	.345	.485
AS3485-12	.3750-24UNJF-3B	14	.443-.458	.589	.4375	.405	.558

TABLE 1B - DIMENSIONS F - ØL AND APPROX MASS

PART NUMBER	F	G MIN	H TOL	J TOL	ØL	APPROX MASS LB/100
AS3485-09	.035-.057	.125	.006	.004	.190-.210	.20
AS3485-10	.045-.057	.185	.007	.005	.250-.270	.40
AS3485-11	.055-.068	.195	.008	.005	.312-.332	.70
AS3485-12	.075-.100	.250	.009	.005	.375-.395	1.00

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT ALLOY AMS5731 OR AMS5734 (COMPOSITION SIMILAR TO UNS 66286).
- /2/ PROCUREMENT SPECIFICATION: AS4393, EXCEPT AS FOLLOWS:
 - a. HEAT TREATMENT: AFTER FORMING, NUTS SHALL BE PRECIPITATION HEAT TREATED PER AMS2759/5 TO MEET HARDNESS OF 37-45 HRC.
 - b. COMPLETELY RECRYSTALLIZED MICROSTRUCTURE IS NOT REQUIRED.
3. FINISH: SILVER PLATE PER AMS2411; SILVER PLATE ONLY ON THREADS WITH OPTIONAL COVERAGE ON COUNTERSINK. DIMENSIONS APPLY AFTER PLATING.
4. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
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. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
7. DIMENSIONS ARE IN INCHES.
8. DO NOT USE UNASSIGNED PART NUMBERS.
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. 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	AS3485™ SHEET 2 OF 2	REV. B
	NUT, SELF-LOCKING, 12 POINT, REDUCED HEIGHT, SILVER PLATE, UNS S66286, CLASS 160 KSI/1200°F		



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