

REV.  
A

AS3397™

FEDERAL SUPPLY CLASS  
5310

RATIONALE

UPDATE THREAD SPECIFICATION TO AS8879, ADD FLATNESS REQUIREMENT FOR BEARING FACE, REVISE MARKING TO REQUIRE PART NUMBER MARKING, DELETE RADII AT BASE OF WRENCH PADS, REVISE FPI REQUIREMENTS, REDRAW FIGURE 1, AND GENERAL EDITORIAL UPDATE.

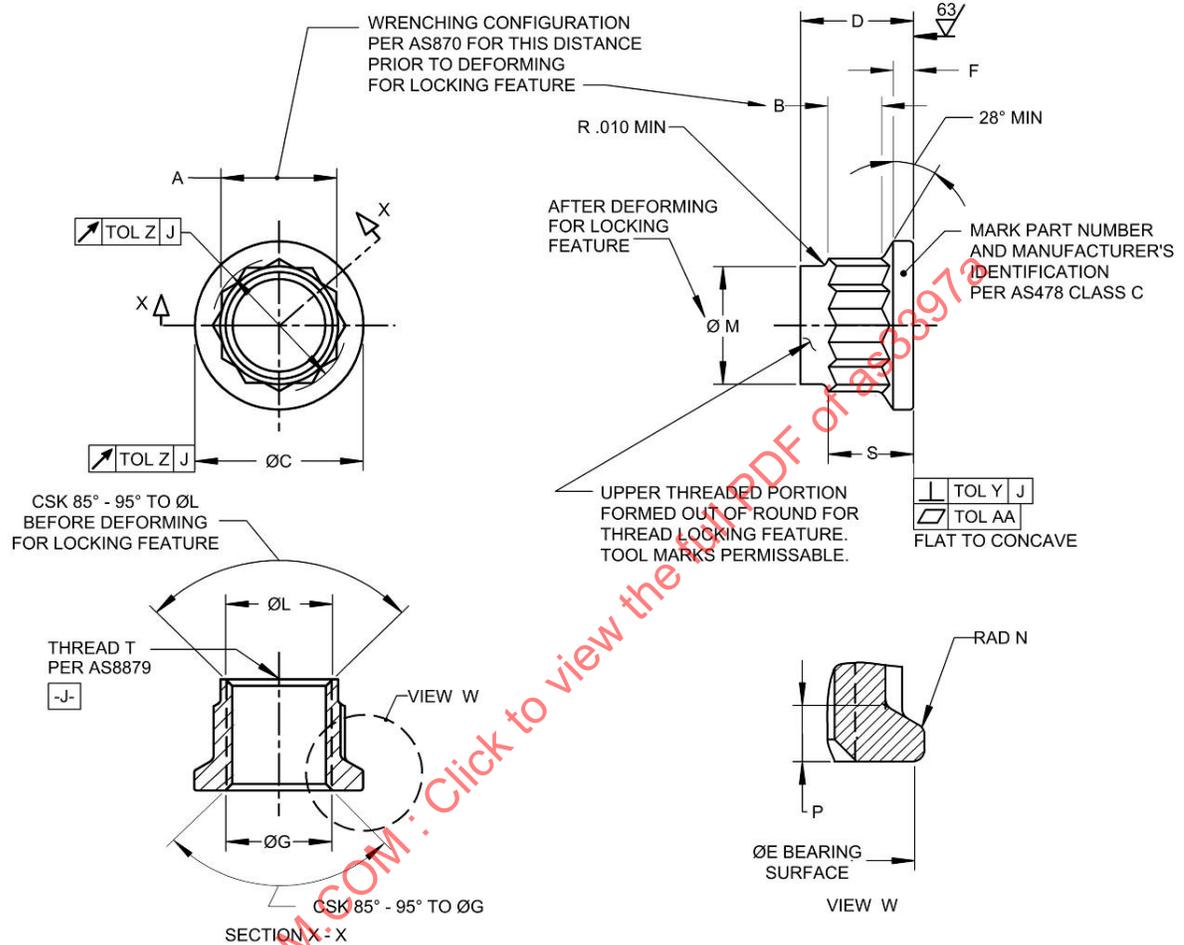
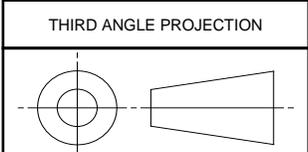


FIGURE 1 - NUT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7251



AEROSPACE STANDARD

(R) NUT, SELF-LOCKING, DOUBLE HEXAGON, REDUCED ENVELOPE, AS7251 (UNS S66286)

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SHEET 1 OF 3

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ISSUED 1984-01 REAFFIRMED 2006-05 REVISED 2015-12

**TABLE 1A - PART NUMBER, THREAD AND DIMENSIONS A, B, ØC, D, ØE, F, Ø G, ØL AND ØM**

PART NUMBER	THREAD T	A NOM	B MIN	ØC MAX	D	ØE MIN	F	ØG	ØL	ØM MAX
AS3397-08	.1640-36 UNJF-3B	.2188	.070	.294	.230-.250	.264	.045-.060	.164-.194	.164-.184	.229
AS3397-09	.1900-32 UNJF-3B	.2500	.070	.355	.230-.250	.325	.045-.060	.190-.220	.190-.210	.262
AS3397-10	.2500-28 UNJF-3B	.3125	.095	.450	.308-.328	.410	.045-.060	.250-.280	.250-.270	.326
AS3397-11	.3125-24 UNJF-3B	.3750	.106	.535	.340-.360	.495	.060-.075	.312-.342	.312-.332	.392
AS3397-12	.3750-24 UNJF-3B	.4375	.147	.608	.438-.458	.559	.070-.090	.375-.405	.375-.395	.458
AS3397-13	.4375-20 UNJF-3B	.5625	.150	.692	.449-.469	.652	.080-.100	.438-.468	.438-.458	.588
AS3397-14	.5000-20 UNJF-3B	.6250	.176	.786	.548-.568	.746	.100-.120	.500-.535	.500-.520	.654

**TABLE 1B - PART NUMBER, DIMENSIONS N, P, S, Y, Z, AA, HARDNESS, APPROX MASS, AND VENDOR NUMBER**

PART NUMBER	N	P MAX	S	Y	Z	AA	HARDNESS /2/	APPROX MASS LB/100	VENDOR PART IDENTIFICATION NUMBER
AS3397-08	.005-.020	.090	.135-.175	.004	.005	.0012	39-45 HRC	.17	BN00353-836
AS3397-09	.005-.030	.095	.150-.190	.004	.006	.0014	39-45 HRC	.22	BN00353-3
AS3397-10	.005-.030	.110	.190-.235	.005	.007	.0014	38-45 HRC	.41	BN00353-4
AS3397-11	.005-.035	.130	.220-.270	.005	.008	.0016	38-45 HRC	.70	BN00353-5
AS3397-12	.005-.040	.150	.270-.330	.005	.009	.0016	38-45 HRC	.99	BN00353-6
AS3397-13	.005-.040	.150	.270-.330	.006	.010	.0020	38-45 HRC	1.51	BN00353-7
AS3397-14	.005-.060	.180	.335-.405	.006	.012	.0020	38-45 HRC	2.35	BN00353-8

NOTES:

- MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS5732 OR AMS5737 (UNS S66286). /2/
- HARDNESS AFTER FORMING: SEE TABLE 1.
- FINISH: SILVER PLATE PER AMS2411. DIMENSIONS ARE AFTER PLATING.
- PROCUREMENT SPECIFICATION: AS7251.
- FLUORESCENT PENETRANT INSPECTION BEFORE PLATING PER ASTM E1417/E1417M, TYPE I, SENSITIVITY LEVEL 2 MIN AND ACCEPTANCE CRITERIA PER AS3071.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED TO BE 125 MICROINCHES Ra.
- BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE IN INCHES.
- DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
- DO NOT USE UNASSIGNED PART NUMBERS.
- 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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	<b>AEROSPACE STANDARD</b>	<b>AS3397™</b> SHEET 2 OF 3	<b>REV.</b> <b>A</b>
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