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REV.
A

AS3601™

FEDERAL SUPPLY CLASS
5310

RATIONALE

UPDATE THREAD SPECIFICATION TO AS8879, UPDATE MARKING NOTE, DELETE DUPLICATE REQUIREMENTS INCLUDED ON AS3602, FIGURE 1 REDRAWN, AND REFERENCES UPDATED AND CORRECTED.

AS3601A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

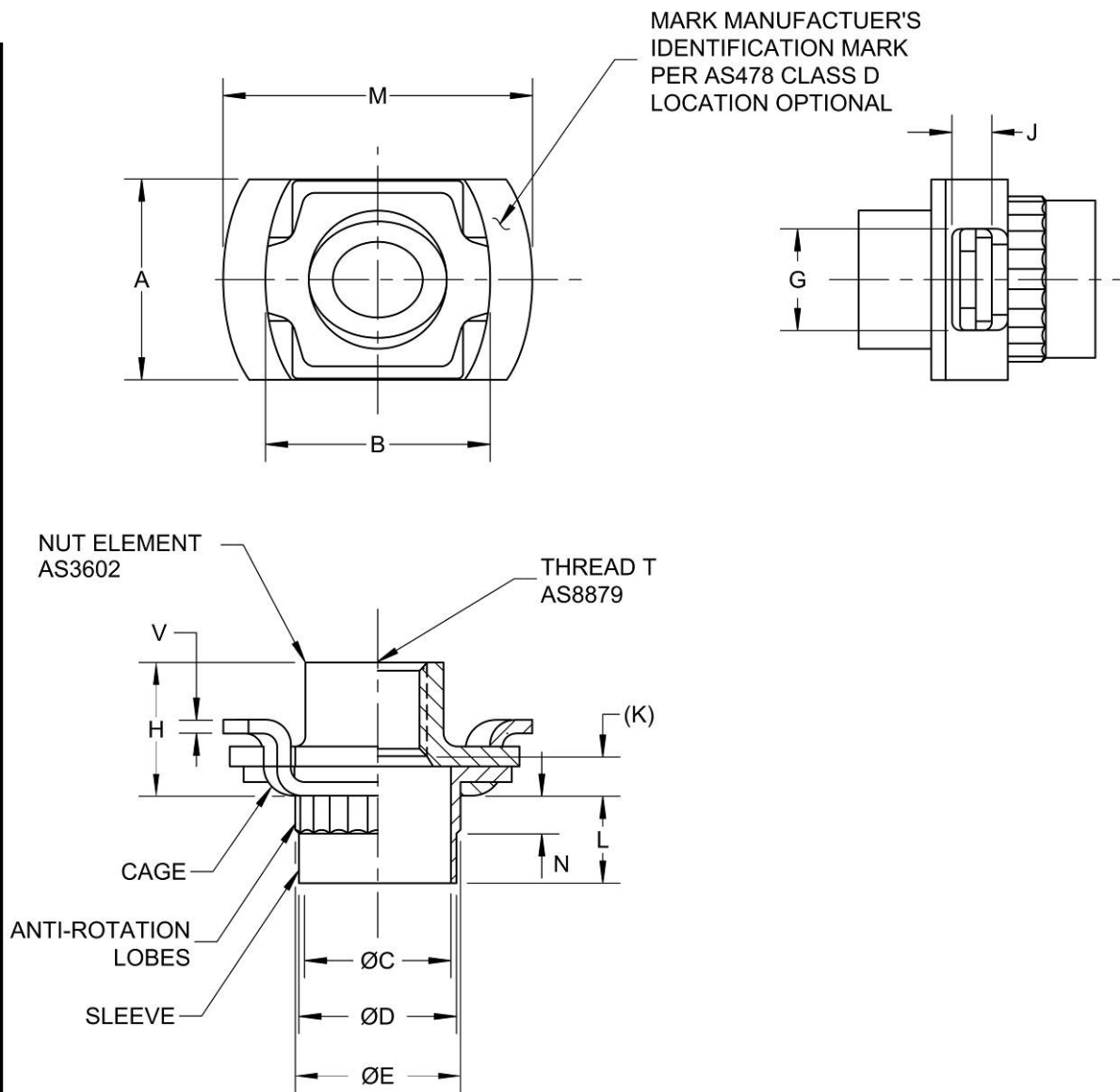
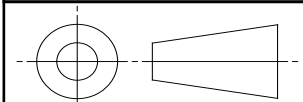


FIGURE 1 - NUT ASSEMBLY

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3601A/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

NUT, FLOATING, SELF-LOCKING, ATTACHED
RETENTION ELEMENT, 450 °F, 125 KSI FTU,
UNS S66286

AS3601™
SHEET 1 OF 2

REV.
1

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TABLE 1A - PART NUMBERS AND DIMENSIONS T, A, B, C, D, E, AND G

PART NUMBER	T THREAD	A MAX	B	ØC MIN	ØD MIN	ØE	G
AS3601-01	.1900-32 UNJF-3B	.405	.415-.435	.235	.270	.296-.304	.177-.197
AS3601-02	.1900-32 UNJF-3B	.405	.415-.435	.235	.270	.296-.304	.177-.197
AS3601-03	.2500-28 UNJF-3B	.465	.486-.506	.300	.335	.363-.369	.188-.208
AS3601-04	.2500-28 UNJF-3B	.465	.486-.506	.300	.335	.363-.369	.188-.208

TABLE 1B - DIMENSIONS H, J, K, L, M, N, V, AND GRIP LENGTH

PART NUMBER	H MAX	J	(K)	L	M MAX	N	V	RECOMMENDED GRIP LENGTH
AS3601-01	.270	.065-.085	.068	.084-.114	.587	.023-.030	.025-.035	.031-.062
AS3601-02	.270	.065-.085	.068	.115-.145	.587	.053-.060	.025-.035	.063-.094
AS3601-03	.325	.073-.093	.089	.084-.114	.665	.023-.030	.035-.045	.031-.062
AS3601-04	.325	.073-.093	.089	.115-.145	.665	.053-.060	.035-.045	.063-.094

NOTES:

- MATERIAL: NUT - SEE AS3602 (UNS S66286)
SLEEVE - AMS5639 (UNS S30400) OR AMS5514 (UNS S30500)
CAGE - AMS5528 (UNS S17700)
- HEAT TREATMENT: NUT - SEE AS3602
CAGE - AGED TO 38 HRC MIN
- FINISH: NUT - SEE AS3602
SLEEVE AND CAGE - PASSIVATE PER AMS2700.
- PERFORMANCE FOR FLARABILITY, PUSH OUT AND TORQUE OUT PER AS7251.
- RADIAL FLOAT TO BE .020 MIN.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- THE NUT ELEMENT SHALL BE REMOVABLE FROM THE CAGE WITH THE MANUFACTURER'S RECOMMENDED REMOVAL TOOL AND A NEW NUT ELEMENT (AS3602) SHALL BE CAPABLE OF BEING SNAPPED INTO THE CAGE.
- THE CAGE SHALL BE CAPABLE OF BEING REUSED A MINIMUM OF 5 TIMES FOR THE REPLACEMENT OF THE NUT ELEMENT (AS3602). THE NUT SHALL THEN MEET THE TORQUE OUT AND PUSH OUT VALUES OF AS7251.
- REMOVE BURRS AND SHARP EDGES.
- DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
- DIMENSIONS ARE IN INCHES.
- DO NOT USE UNASSIGNED PART NUMBERS.
- 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		AS3601™ SHEET 2 OF 2	REV. A
	NUT, FLOATING, SELF-LOCKING, ATTACHED RETENTION ELEMENT, 450 °F, 125 KSI FTU, UNS S66286			