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REV.
A

MA4177™

RATIONALE

FEDERAL SUPPLY CLASS
5310

FIGURE REDRAWN, TABLE REDRAWN, USAGE NOTE ADDED, AND NOTES UPDATED.

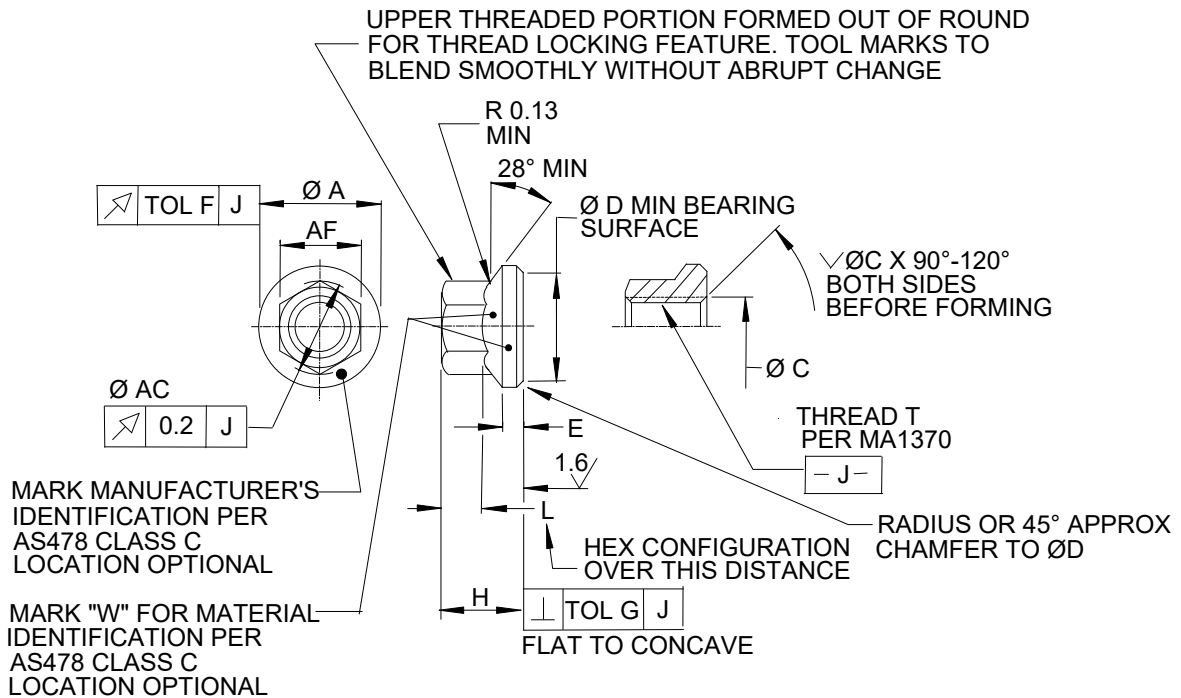
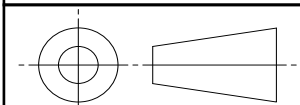


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/MA4177A/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25



METRIC AEROSPACE STANDARD

NUT, SELF LOCKING - HEX EXTENDED WASHER
UNS N07001, SILVER PLATE, MJ THD, METRIC

MA4177™
SHEET 1 OF 2

REV.
A

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TABLE 1 - DIMENSIONS

PART NUMBER	THREAD T	AF /1/		AC MIN	Ø A MAX	Ø C	Ø D MIN
MA4177-05	MJ5 X 0.8 - 4H6H	5.85- 6.00	h12	6.5	9.1	5.2-5.8	8.3
MA4177-06	MJ6 X 1 - 4H5H	6.85- 7.00		7.6	10.6	6.3-7.1	9.8
MA4177-07	MJ7 X 1 - 4H5H	7.85- 8.00		8.7	12.1	7.3-8.1	11.3
MA4177-08	MJ8 X 1 - 4H5H	9.78-10.00	h13	10.9	13.6	8.3-9.1	12.8

PART NUMBER	E MIN	F	G	H H14 /1/	L MIN	APPROX MASS kg/100
MA4177-05	0.6	0.13	0.10	4.70-5.00	2.2	0.095
MA4177-06	0.7	0.15	0.10	5.10-5.40	2.3	0.137
MA4177-07	0.8	0.18	0.10	5.84-6.20	2.7	0.215
MA4177-08	0.9	0.20	0.10	6.84-7.20	3.2	0.376

TOLERANCE GRADES TO ASME B4.2 -1978(R2009)

NOTES:

- /1/ MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY, AMS5544, AMS5706, AMS5708 (ALL SIMILAR UNS N07001).
- HEAT TREATMENT: SOLUTION, STABILIZATION, AND PRECIPITATION HEAT TREATED PER MATERIAL SPECIFICATION.
- FINISH: SILVER PLATE PER AMS2411. REFER TO PROCUREMENT SPECIFICATION FOR THICKNESS REQUIREMENTS. DIMENSIONS ARE AFTER PLATING.
- FLUORESCENT PENETRANT PER ASTM E1417/E1417M TYPE 1, SENSITIVITY LEVEL 2 MIN BEFORE PLATING.
- PROCUREMENT SPECIFICATION: MA1943 FOR 1100 MPa TENSILE STRENGTH AND ELEVATED TEMPERATURE TESTS BASED ON 650 °C.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 3.2 MICROMETERS Ra.
- BREAK EDGES 0.1 TO 0.4, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
- DIMENSIONS ARE IN MILLIMETERS.
- PRODUCT QUALIFICATION: QUALIFICATION TESTS IN ACCORDANCE WITH MA1943 MODIFIED AS IN NOTE 6 SHALL BE PERFORMED BY THE VENDOR PRIOR TO FIRST SHIPMENT OF PARTS.
- DO NOT USE UNASSIGNED PART NUMBERS.
- UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- 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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	METRIC AEROSPACE STANDARD		MA4177™ SHEET 2 OF 3	REV. 
	NUT, SELF LOCKING - HEX EXTENDED WASHER UNS N07001, SILVER PLATE, MJ THD, METRIC			

