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REV.
A

MA3368™

FEDERAL SUPPLY CLASS
5306

RATIONALE

FIGURE 1 REDRAWN, DELETE INSIDE RADII AT TRANSITION OF WRENCH ELEMENT AND BASE FLANGE, IDENTIFY DIM P AS BASIC, UPDATE Y14.5M FORMATS, ADD DATUM DD, ADD EDGE DISTANCE EXCEPTION FOR HEAD MARKING, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, REVISE FPI REFERENCE, TABLES RETYPED AND REFORMATTED, GENERAL EDITORIAL REVISIONS THROUGHOUT.

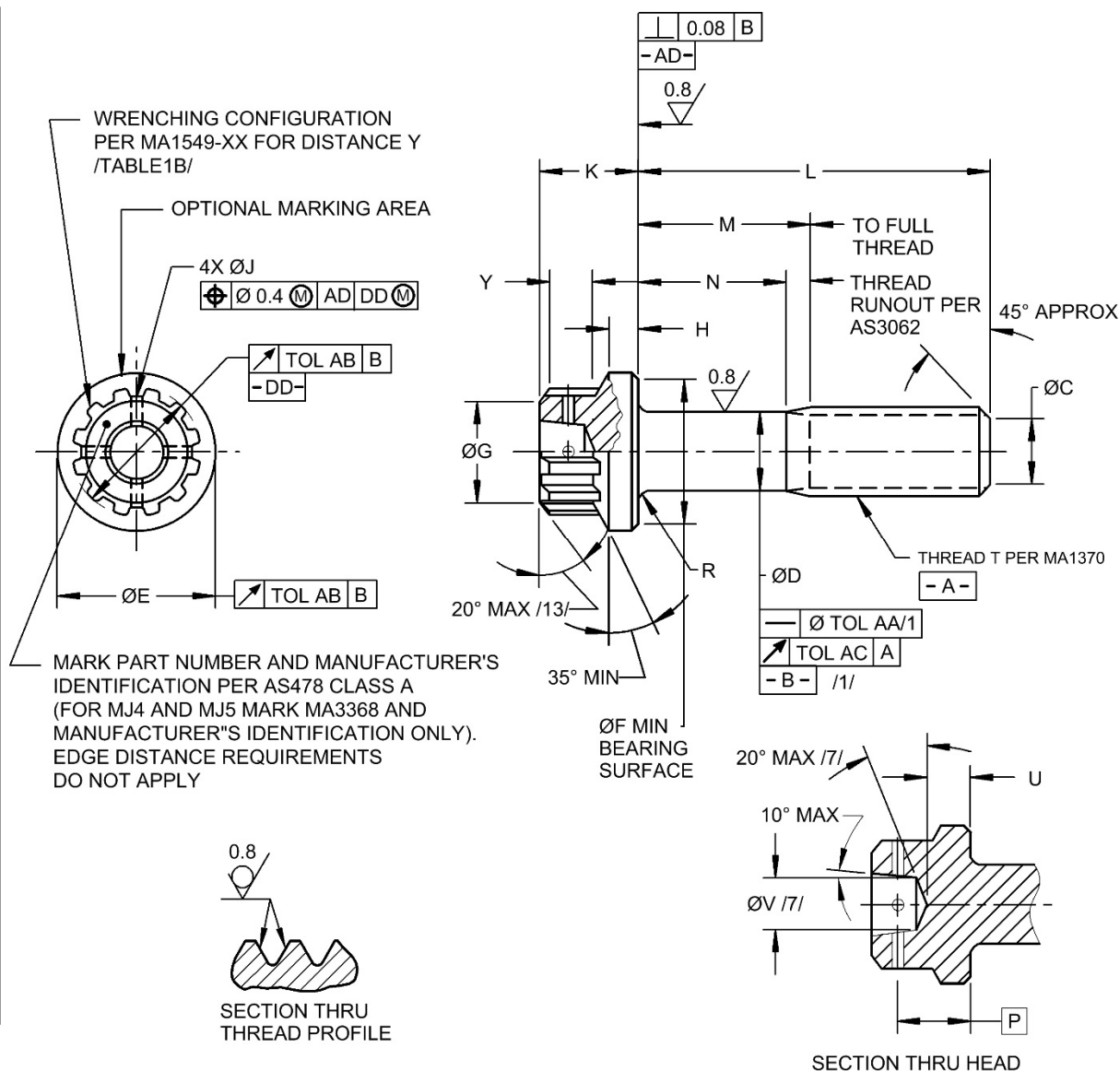
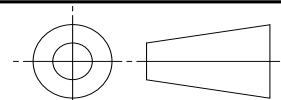


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/MA3368A/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA3377



METRIC AEROSPACE STANDARD

BOLT, MACHINE-SPLINE EXTENDED WASHER, PD
SHANK, LONG THREAD, DRILLED,
NICKEL ALLOY (UNS N07718), METRIC

MA3368™
SHEET 1 OF 10

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NOTES:

- /1/ FOR PART NUMBERS WHERE DIMENSION N IS EQUAL TO OR LESS THAN ONE TIMES THE NOMINAL DIAMETER OF THE THREAD, DATUM A (THREAD PD) SHALL REPLACE DATUM B.
2. MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY AMS5662. (COMPOSITION SIMILAR TO UNS N07718).
3. PROCUREMENT SPECIFICATION: MA3377.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M. ACCEPTANCE CRITERIA PER MA3377.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 3.2 MICROINCHES Ra.
- /6/ PART NUMBER SHALL INCLUDE THE STANDARD NUMBER AND THE DASH NUMBER TO INDICATE DIAMETER AND LENGTH. EXAMPLE OF PART NUMBER:

MA3368-040020 = BOLT MJ4X0.7 THREAD 20 MM LONG
MA3368-120104 = BOLT MJ12X1.25 THREAD 104 MM LONG
- /7/ SHAPE OF BOTTOM OF HOLE MAY BE FLAT OR CURVED WITHIN DIMENSIONS SHOWN. NO HOLE IS REQUIRED ON DIAMETER MJ4.
8. BREAK EDGES 0.1 TO 0.4, UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION), TOLERANCE GRADE PER ANSI B4.2-1978 (ASME PUBLICATION).
11. ALL DIMENSIONS ARE IN SI MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
12. DO NOT USE UNASSIGNED PART NUMBERS.
- /13/ CURVED OR ANGULAR WITHIN ENVELOPE.
14. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
15. 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.

MA, AS, AND AMS ARE SAE INTERNATIONAL PUBLICATIONS.
ASME IS AN ASME INTERNATIONAL PUBLICATION.
ASTM IS AN ASTM INTERNATIONAL PUBLICATION

	METRIC AEROSPACE STANDARD		MA3368™ SHEET 2 OF 10	REV. A
	BOLT, MACHINE-SPLINE EXTENDED WASHER, PD SHANK, LONG THREAD, DRILLED, NICKEL ALLOY (UNS N07718), METRIC			

TABLE 1A - PART NUMBERS, NOM DIA, THREAD T, AND DIMENSIONS ØC, D, ØE, ØF, ØG, H, AND ØJ

PART NUMBER /6/	NOM DIA	THREAD T	ØC	ØD h15	ØE MAX	ØF MIN	ØG MIN	H MIN	ØJ h13
MA3368-040XXX	4	MJ4X0.7-4h6h	2.6- 3.1	3.42- 3.68	8.3	7.5	6	0.8	1.00-1.14
MA3368-050XXX	5	MJ5X0.8-4h6h	3.0- 4.0	4.35- 4.61	9.1	8.3	7	1.0	1.00-1.14
MA3368-060XXX	6	MJ6X1-4h6h	3.7- 4.7	5.22- 5.48	10.6	9.8	8	1.2	1.40-1.54
MA3368-070XXX	7	MJ7X1-4h6h	4.7- 5.7	6.22- 6.48	12.1	11.3	9	1.4	1.40-1.54
MA3368-080XXX	8	MJ8X1-4h6h	5.7- 6.7	7.22- 7.48	13.6	12.8	10	1.6	1.40-1.54
MA3368-100XXX	10	MJ10X1.25-4h6h	7.4- 8.4	9.06- 9.32	16.7	15.7	12	2.0	1.60-1.74
MA3368-120XXX	12	MJ12X1.25-4h6h	9.4-10.4	11.06-11.32	19.8	18.8	14	2.4	1.60-1.74

TABLE 1B - PART NUMBERS AND DIMENSIONS ØK, P, R, U, ØV, Y, AA, AB, AC, AND SPLINE DASH NO.

PART NUMBER /6/	ØK h15	P BASIC	R RAD	U	ØV	Y MIN	AA TOL	AB TOL	AC TOL	SPLINE MA1549 DASH NO.
MA3368-040XXX	5.02-5.50	3.5	0.2-0.4	-----	-----	2.5	0.0030	0.10	0.12	06
MA3368-050XXX	5.92-6.50	4.5	0.3-0.5	2.5-2.9	3.2-3.7	2.8	0.0030	0.13	0.12	07
MA3368-060XXX	6.92-7.50	5.2	0.5-0.7	2.8-3.2	4.1-4.6	3.5	0.0030	0.15	0.12	08
MA3368-070XXX	7.62-8.20	5.9	0.5-0.7	3.3-3.7	4.9-5.4	3.8	0.0030	0.18	0.15	09
MA3368-080XXX	8.02-8.60	6.3	0.5-0.7	3.7-4.1	5.2-5.7	3.9	0.0030	0.20	0.15	10
MA3368-100XXX	9.40-10.10	7.7	0.6-0.8	4.7-5.1	6.7-7.2	4.2	0.0025	0.25	0.15	12
MA3368-120XXX	10.70-11.40	8.8	0.6-0.9	5.6-6.0	8.0-8.5	4.5	0.0025	0.30	0.18	14



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