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REV.
A

MA3274™

RATIONALE

FEDERAL SUPPLY CLASS
5310

UPDATE NOTE 4 FPI REQUIREMENTS, ADD ANSI Y14.5M-1982, UPDATE REFERENCES THROUGHOUT, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, GENERAL EDITORIAL REVISIONS.

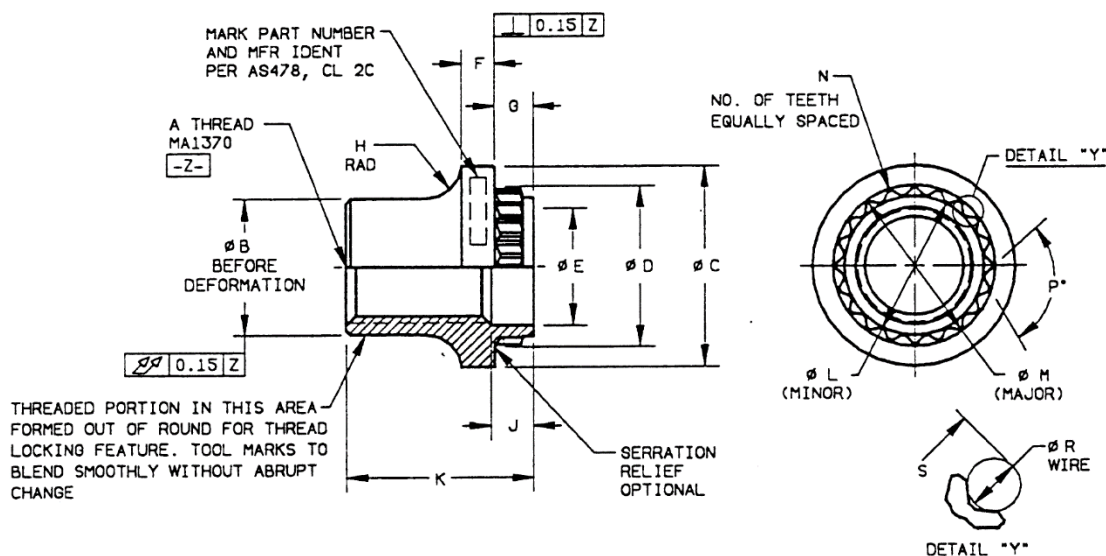


FIGURE 1

TABLE 1A - PART NUMBERS AND DIMENSIONS A-J

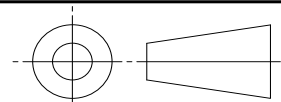
PART NUMBER	A THREAD MA1370 -4H6H/-4H5H	ØB ±0.10	ØC ±0.15	ØD MAX	ØE +0.08 -0.10	F ±0.25	G ±0.15	H RAD ±0.40	J +0.25 -0.15
MA3274-05	MJ5 X 0.8	6.28	9.95	7.75	5.18	1.15	2.20	2.00	2.30
MA3274-06	MJ6 X 1	7.72	11.35	9.15	6.64	1.65	2.20	2.00	2.30
MA3274-07	MJ7 X 1	8.41	12.55	10.45	8.06	1.65	2.20	2.50	2.30
MA3274-08	MJ8 X 1	9.40	12.55	10.45	8.06	1.65	2.20	2.50	2.30

TABLE 1B - PART NUMBERS, DIMENSIONS K-S AND APPROX MASS

PART NUMBER	K ±0.40	ØL ±0.13	ØM ±0.13	N	P° +0° 30' -1° 00'	WIRE QTY	WIRE ØR	S +0.060 -0.030	APPROX MASS KG/100 PCS
MA3274-05	8.75	6.49	7.26	17	86° 00'	3	1.0	8.670	0.149
MA3274-06	10.15	8.04	8.86	20	102° 30'	2	1.2	10.578	0.273
MA3274-07	11.45	9.31	10.16	23	102° 30'	3	1.5	12.476	0.325
MA3274-08	12.20	9.31	10.16	23	102° 30'	3	1.5	12.476	0.342

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA1568 /6/



METRIC AEROSPACE STANDARD

NUT – SELF-LOCKING, CLINCH,
SERRATED SHANK, 400 °C, DRY FILM COATED,
UNS S66286, MJ THREAD, METRIC

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SHEET 1 OF 2

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TABLE 2 - TORQUE-OUT

THREAD SIZE	TORQUE-OUT
	N m MIN
MJ5 X 0.8	13.6
MJ6 X 1	42.4
MJ7 X 1	50.0
MJ8 X 1	67.8

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL, AMS5731 OR AMS5734 (UNS S66286).
2. HARDNESS: 29 TO 39 HRC.
3. FINISH: DRY FILM COATING PER MIL-PRF-81329. DIMENSIONS ARE PRIOR TO COATING.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/1417M, TYPE 1, SENSITIVITY LEVEL 2 MIN BEFORE COATING. ACCEPTANCE STANDARD PER MA1568.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 3.2 MICROMETERS Ra, EXCEPT THREADS TO BE 1.6 MICROMETERS Ra AND SERRATIONS TO BE 6.3 MICROMETERS Ra.
- /6/ PROCUREMENT SPECIFICATION: MA1568 EXCEPT:
 - a. MINIMUM TORQUE-OUT LOAD FOR TORQUE-OUT TEST SHALL BE AS SHOWN IN TABLE 2 WHEN INSTALLED IN A HOLE CONFORMING TO AS4389 IN AN AMS5732 TEST PLATE.
 - b. HIGH TEMPERATURE REUSABILITY TEST SHALL BE REPEATED FOR A TOTAL OF 25 CYCLES.
 - c. ALL FRICTION SURFACES SHALL BE LUBRICATED WITH AMS2518 GRAPHITE PETROLEUM ANTISEIZE THREAD COMPOUND PRIOR TO INSTALLATION OF THE BOLT ON EVERY ASSEMBLY TORQUE CYCLE.
7. DIMENSIONS ARE IN MILLIMETERS.
8. BREAK SHARP EDGES 0.1 TO 0.4, UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
10. PRODUCT QUALIFICATION: QUALIFICATION TESTS IN ACCORDANCE WITH MA1568 SHALL BE PERFORMED BY THE VENDOR PRIOR TO FIRST SHIPMENT OF PARTS.
11. DO NOT USE UNASSIGNED PART NUMBERS.
12. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
13. 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	MA3274™ SHEET 2 OF 2	REV. A
	NUT – SELF-LOCKING, CLINCH, SERRATED SHANK, 400 °C, DRY FILM COATED, UNS S66286, MJ THREAD, METRIC		



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