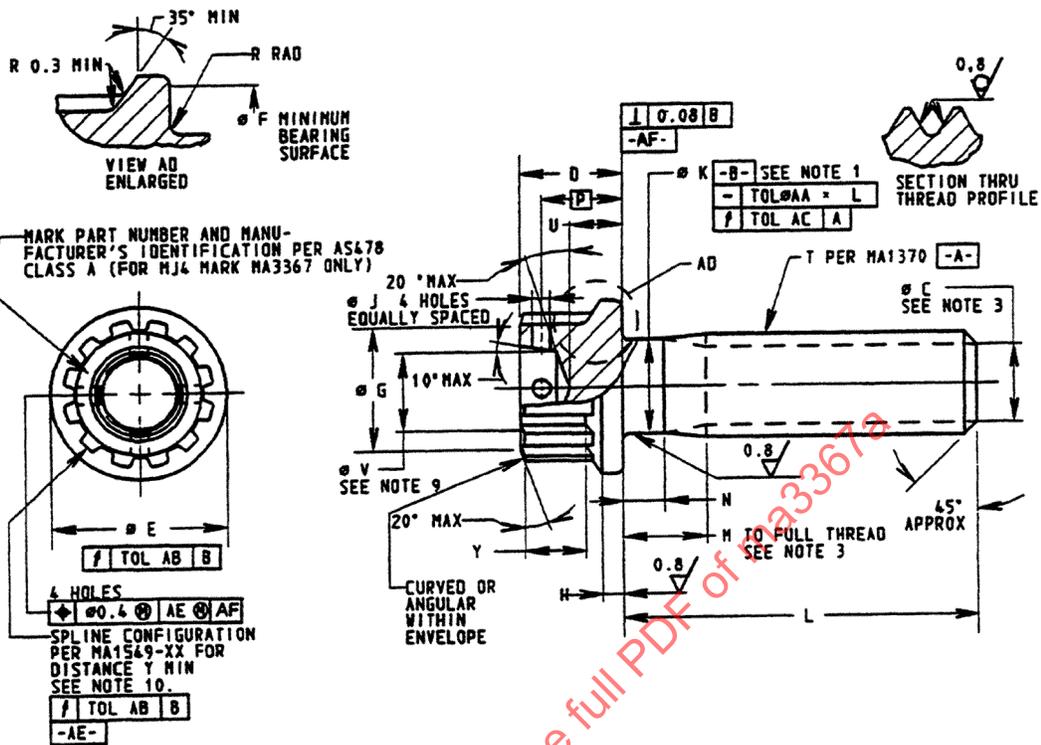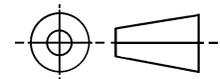FEDERAL SUPPLY CLASS
5306

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

1. FOR PARTS WHERE DIMENSION N IS EQUAL TO OR LESS THAN ONE DIAMETER, REPLACE DATUM -B- WITH -A- .

2. MATERIAL: LOW-ALLOY STEEL AMS6322.

3. PROCUREMENT SPECIFICATION: MA3376.

4. HARDNESS: 26-32 HRC OR EQUIVALENT.

5. FINISH: CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING.

6. MAGNETIC PARTICLE INSPECTION: AMS2640

7. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36-1978; REQUIREMENTS PER ANSI B46.1-1985. UNLESS OTHERWISE SPECIFIED SURFACES TO BE 3.2 MICROMETERS Ra.

8. PART NUMBER SHALL INCLUDE THE STANDARD NUMBER AND THE DASH NUMBER TO INDICATE DIAMETER AND LENGTH. EXAMPLE OF PART NUMBER:

   MA3367-040024 = BOLT, MJ4x0.7 THREAD, 24 LONG.
   MA3367-120114 = BOLT, MJ12x1.25 THREAD, 114 LONG.

9. SHAPE OF BOTTOM OF HOLE MAY BE FLAT OR CURVED WITHIN DIMENSIONS SHOWN. NO HOLE IS REQUIRED ON DIAMETER 4.

10. WRENCHING CONFIGURATION SHALL BE IN ACCORDANCE WITH MA1549. FOR THE APPLICABLE DASH NUMBER SEE TABLE I.

11. BREAK EDGES 0.1-0.4, UNLESS OTHERWISE SPECIFIED.

12. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982. TOLERANCE GRADES PER ANSI B4.2-1978.

13. ALL DIMENSIONS IN SI MILLIMETRES UNLESS OTHERWISE SPECIFIED.

14. DO NOT USE UNASSIGNED PART NUMBERS.

15. AFTER OCTOBER 1996 PARTS ARE CADMIUM PLATED.

THIRD ANGLE PROJECTION

PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS

METRIC AEROSPACE STANDARD

SAE Aerospace
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BOLT, MACHINE-SPLINE DRIVE HEAD,
DRILLED, PD SHANK-LONG THREAD,
AMS6322, CADMIUM PLATED, METRIC

MA3367
SHEET 1 OF 6

**REV.
A**

TABLE I

PART NUMBER SEE NOTE 8	NOM DIA REF	THREAD T	C	D h15	E MAX	F MIN	G MIN	H MIN	J H13
MA3367-040XXX	4	MJ4x0.7-4h6h	2.6 - 3.1	5.02 - 5.50	8.3	7.5	6	0.8	1.00 - 1.14
MA3367-050XXX	5	MJ5x0.8-4h6h	3.0 - 4.0	5.92 - 6.50	9.1	8.3	7	1.0	1.00 - 1.14
MA3367-060XXX	6	MJ6x1-4h6h	3.7 - 4.7	6.92 - 7.50	10.6	9.8	8	1.2	1.40 - 1.54
MA3367-070XXX	7	MJ7x1-4h6h	4.7 - 5.7	7.62 - 8.20	12.1	11.3	9	1.4	1.40 - 1.54
MA3367-080XXX	8	MJ8x1-4h6h	5.7 - 6.7	8.02 - 8.60	13.6	12.8	10	1.6	1.40 - 1.54
MA3367-100XXX	10	MJ10x1.25-4h6h	7.4 - 8.4	9.40 - 10.10	16.7	15.7	12	2.0	1.60 - 1.74
MA3367-120XXX	12	MJ12x1.25-4h6h	9.4 - 10.4	10.70 - 11.40	19.9	18.8	14	2.4	1.60 - 1.74

TABLE I (CONTD.)

NOM DIA REF	K	P	R	U	V	Y MIN	AA	AB	AC	WRENCHING CONFIGURATION DASH NO. SEE NOTE 10
4	3.41 - 3.67	3.5	0.2 - 0.4	-	-	2.5	0.0030	0.10	0.12	06
5	4.35 - 4.61	4.5	0.3 - 0.5	2.5 - 2.9	3.2 - 3.7	2.8	0.0030	0.13	0.12	07
6	5.22 - 5.48	5.2	0.5 - 0.7	2.8 - 3.2	4.1 - 4.6	3.5	0.0030	0.15	0.12	08
7	6.22 - 6.48	5.9	0.5 - 0.7	3.3 - 3.7	4.9 - 5.4	3.8	0.0030	0.18	0.15	09
8	7.22 - 7.48	6.3	0.5 - 0.7	3.7 - 4.1	5.2 - 5.7	3.9	0.0030	0.20	0.15	10
10	9.06 - 9.32	7.7	0.6 - 0.8	4.7 - 5.1	6.7 - 7.2	4.2	0.0025	0.25	0.15	12
12	11.06 - 11.32	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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METRIC AEROSPACE STANDARD

BOLT, MACHINE-SPLINE DRIVE HEAD, DRILLED, PD SHANK-LONG THREAD, AMS6322, CADMIUM PLATED, METRIC

MA3367
SHEET 2 OF 6

REV. A

TABLE II

L LENGTH	MJ4x0.7-4h6h DASH NO. SEE NOTE 8	M MAX	N MIN	APPROX. MASS kg/100	MJ5x0.8-4h6h DASH NO. SEE NOTE 8	M MAX	N MIN	APPROX. MASS kg/100
5.7 - 6.3	040006	1.8	0.4	0.228	-	-	-	-
7.7 - 8.3	040008	1.8	0.4	0.244	050008	2.1	0.5	0.345
9.7 - 10.3	040010	1.8	0.4	0.260	050010	2.1	0.5	0.371
11.7 - 12.3	040012	1.8	0.4	0.276	050012	2.1	0.5	0.396
13.7 - 14.3	040014	1.8	0.4	0.292	050014	2.1	0.5	0.422
15.7 - 16.3	040016	2.0	0.4	0.308	050016	2.1	0.5	0.447
17.7 - 18.3	040018	4.0	1.1	0.324	050018	2.1	0.5	0.473
19.7 - 20.3	040020	6.0	3.1	0.340	050020	4.0	0.9	0.498
21.7 - 22.3	040022	8.0	5.1	0.356	050022	6.0	2.9	0.524
23.7 - 24.3	040024	10.0	7.1	0.372	050024	8.0	4.9	0.549
25.7 - 26.3	040026	12.0	9.1	0.388	050026	10.0	6.9	0.575
27.7 - 28.3	040028	14.0	11.1	0.403	050028	12.0	8.9	0.600
29.7 - 30.3	040030	16.0	13.1	0.419	050030	14.0	10.9	0.626
31.7 - 32.3	040032	18.0	15.1	0.435	050032	16.0	12.9	0.615
33.7 - 34.3	040034	20.0	17.1	0.451	050034	18.0	14.9	0.677
35.7 - 36.3	040036	22.0	19.1	0.467	050036	20.0	16.9	0.702
37.7 - 38.3	040038	24.0	21.1	0.483	050038	22.0	18.9	0.728
39.7 - 40.3	040040	26.0	23.1	0.499	050040	24.0	20.9	0.753
41.7 - 42.3	040042	28.0	25.1	0.515	050042	26.0	22.9	0.779
43.7 - 44.3	040044	30.0	27.1	0.531	050044	28.0	24.9	0.804
45.7 - 46.3	040046	32.0	29.1	0.547	050046	30.0	26.9	0.830
47.7 - 48.3	040048	34.0	31.1	0.563	050048	32.0	28.9	0.855
49.7 - 50.3	040050	36.0	33.1	0.579	050050	34.0	30.9	0.881
51.7 - 52.3	040052	38.0	35.1	0.595	050052	36.0	32.9	0.906
53.7 - 54.3	040054	40.0	37.1	0.611	050054	38.0	34.9	0.932
55.7 - 56.3	040056	42.0	39.1	0.627	050056	40.0	36.9	0.958
57.7 - 58.3	-	-	-	-	050058	42.0	38.9	0.983
59.7 - 60.3	-	-	-	-	050060	44.0	40.9	1.009
63.7 - 64.3	-	-	-	-	050064	48.0	44.9	1.060
67.7 - 68.3	-	-	-	-	050068	52.0	48.9	1.111

METRIC AEROSPACE STANDARD

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BOLT, MACHINE-SPLINE DRIVE HEAD,
DRILLED, PD SHANK-LONG THREAD,
AMS6322, CADMIUM PLATED, METRIC

MA3367
SHEET 3 OF 6

REV. A

TABLE II (CONTD.)

L LENGTH	MJ6x1-4h6h				MJ7x1-4h6h			
	DASH NO. SEE NOTE 8	M MAX	N MIN	APPROX. MASS kg/100	DASH NO. SEE NOTE 8	M MAX	N MIN	APPROX. MASS kg/100
9.7 - 10.3	060010	2.7	0.7	0.540	070010	2.7	0.7	0.754
11.7 - 12.3	060012	2.7	0.7	0.576	070012	2.7	0.7	0.806
13.7 - 14.3	060014	2.7	0.7	0.613	070014	2.7	0.7	0.857
15.7 - 16.3	060016	2.7	0.7	0.649	070016	2.7	0.7	0.909
17.7 - 18.3	060018	2.7	0.7	0.686	070018	2.7	0.7	0.960
19.7 - 20.3	060020	2.7	0.7	0.722	070020	2.7	0.7	1.012
21.7 - 22.3	060022	4.0	0.7	0.759	070022	2.7	0.7	1.063
23.7 - 24.3	060024	6.0	2.5	0.795	070024	4.0	0.7	1.115
25.7 - 26.3	060026	8.0	4.5	0.832	070026	6.0	2.5	1.166
27.7 - 28.3	060028	10.0	6.5	0.868	070028	8.0	4.5	1.217
29.7 - 30.3	060030	12.0	8.5	0.905	070030	10.0	6.5	1.269
31.7 - 32.3	060032	14.0	10.5	0.941	070032	12.0	8.5	1.320
33.7 - 34.3	060034	16.0	12.5	0.977	070034	14.0	10.5	1.372
35.7 - 36.3	060036	18.0	14.5	1.014	070036	16.0	12.5	1.423
37.7 - 38.3	060038	20.0	16.5	1.050	070038	18.0	14.5	1.475
39.7 - 40.3	060040	22.0	18.5	1.087	070040	20.0	16.5	1.526
41.7 - 42.3	060042	24.0	20.5	1.123	070042	22.0	18.5	1.578
43.7 - 44.3	060044	26.0	22.5	1.160	070044	24.0	20.5	1.629
45.7 - 46.3	060046	28.0	24.5	1.196	070046	26.0	22.5	1.680
47.7 - 48.3	060048	30.0	26.5	1.232	070048	28.0	24.5	1.732
49.7 - 50.3	060050	32.0	28.5	1.269	070050	30.0	26.5	1.783
51.7 - 52.3	060052	34.0	30.5	1.305	070052	32.0	28.5	1.835
53.7 - 54.3	060054	36.0	32.5	1.342	070054	34.0	30.5	1.886
55.7 - 56.3	060056	38.0	34.5	1.378	070056	36.0	32.5	1.938
57.7 - 58.3	060058	40.0	36.5	1.415	070058	38.0	34.5	1.989
59.7 - 60.3	060060	42.0	38.5	1.451	070060	40.0	36.5	2.040
63.7 - 64.3	060064	46.0	42.5	1.524	070064	44.0	40.5	2.143
67.7 - 68.3	060068	50.0	46.5	1.597	070068	48.0	44.5	2.246
71.7 - 72.3	060072	54.0	50.5	1.670	070072	52.0	48.5	2.349
75.7 - 76.3	060076	58.0	54.5	1.743	070076	56.0	52.5	2.452
79.7 - 80.3	060080	62.0	58.5	1.816	070080	60.0	56.5	2.555
83.7 - 84.3	060084	66.0	62.5	1.889	070084	64.0	60.5	2.658
87.7 - 88.3	-	-	-	-	070088	68.0	64.5	2.761
91.7 - 92.3	-	-	-	-	070092	72.0	68.5	2.864
95.7 - 96.3	-	-	-	-	070096	76.0	72.5	2.967

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MA3367
SHEET 4 OF 6

REV. A