

REV.
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MA3342™

FEDERAL SUPPLY CLASS
5306

RATIONALE

FIGURE REDRAWN, USAGE NOTE ADDED, TABLES REDRAWN TO MAKE READABLE, AND SPECS UPDATED.

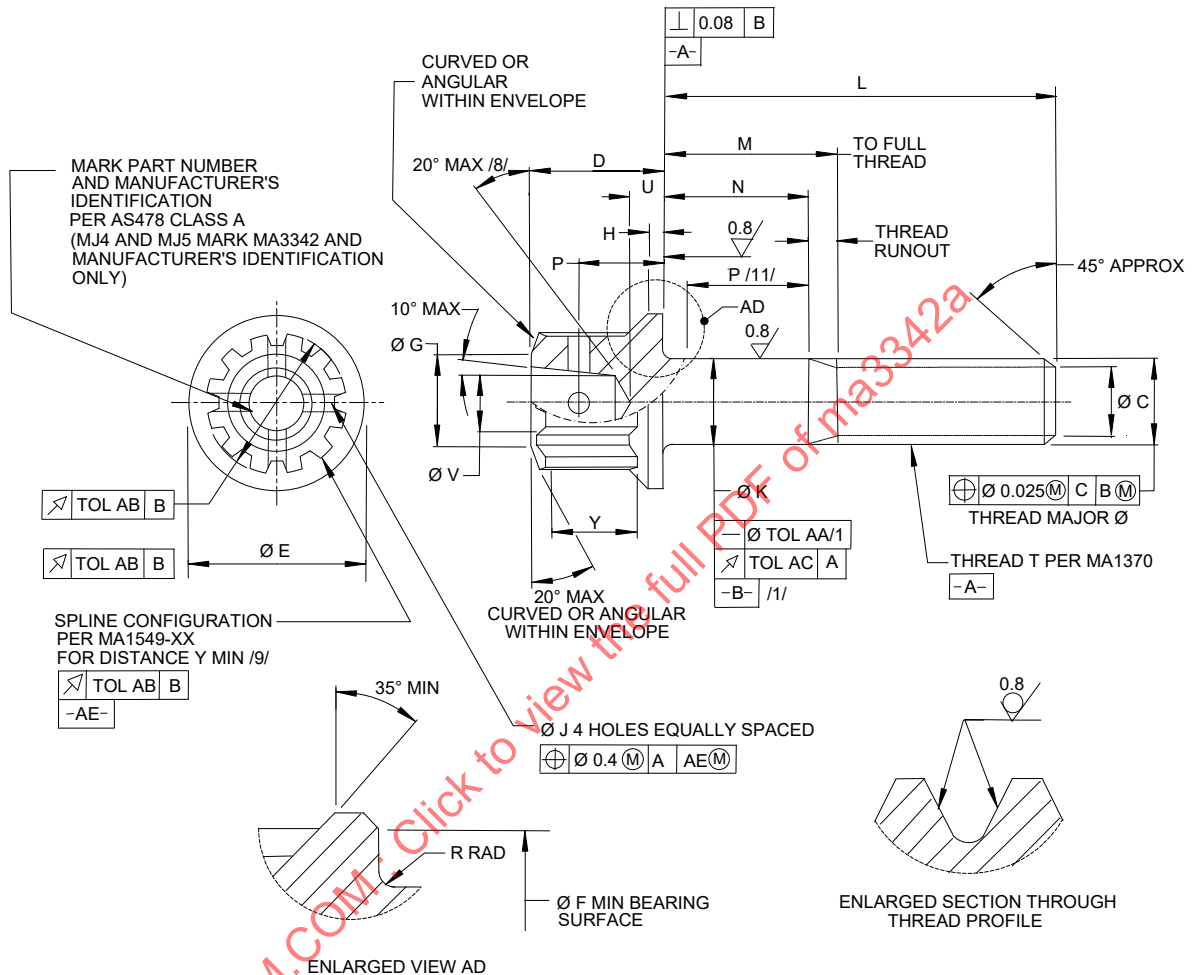


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/MA3342A/>

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION : MA3374



METRIC AEROSPACE STANDARD

(R) BOLT, MACHINE-SPLINE EXTENDED WASHER, FULL SHANK, DRILLED, LONG THREAD, AMS5731 SIMILAR TO UNS S66286, METRIC

MA3342™
SHEET 1 OF 7

REV.
A

TABLE 1 - DIMENSIONS

PART NUMBER /9/	NOM DIA REF	THREAD T	C	D	E MAX	G MIN	H MIN	J H13
MA3342-4XXX	4	MJ4x0.7-4h6h	2.6- 3.1	5.02- 5.50	8.3	6	7.5	1.00-1.14
MA3342-5XXX	5	MJ5x0.8-4h6h	3.0- 4.0	5.92- 6.50	9.1	7	8.3	1.00-1.14
MA3342-6XXX	6	MJ6x1-4h6h	3.7- 4.7	6.92- 7.50	10.6	8	9.8	1.40-1.54
MA3342-7XXX	7	MJ7x1-4h6h	4.7- 5.7	7.62- 8.20	12.1	9	11.3	1.40-1.54
MA3342-8XXX	8	MJ8x1-4h6h	5.7- 6.7	8.02- 8.60	13.6	10	12.8	1.40-1.54
MA3342-10XXX	10	MJ10x1.25-4h6h	7.4- 8.4	9.40-10.10	15.5	12	2.0	1.60-1.74
MA3342-12XXX	12	MJ12x1.25-4h6h	9.4-10.4	10.70-11.40	18.9	14	2.2	1.60-1.74

TABLE 1 - DIMENSIONS (CONTINUED)

PART NUMBER /7/	K h12	R	U	V	Y MIN	AA	AB	AC	WRENCHING CONFIGURATION DASH NO. /7/
MA3342-4XXX	3.88- 4.00	0.2-0.4			2.5	0.0030	0.10	0.12	06
MA3342-5XXX	4.88- 5.00	0.3-0.5	2.5-2.9	3.2-3.7	2.8	0.0030	0.13	0.12	07
MA3342-6XXX	5.88- 6.00	0.5-0.7	2.8-3.2	4.1-4.6	3.5	0.0030	0.15	0.12	08
MA3342-7XXX	6.85- 7.00	0.5-0.7	3.3-3.7	4.9-5.4	3.8	0.0030	0.18	0.15	09
MA3342-8XXX	7.85- 8.00	0.5-0.7	3.7-4.1	5.2-5.7	3.9	0.0030	0.20	0.15	10
MA3342-10XXX	9.85-10.00	0.6-0.8	4.7-5.1	6.7-7.2	4.2	0.0025	0.25	0.15	12
MA3342-12XXX	11.82-12.00	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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MA3342™
 SHEET 2 OF 7

REV.
A

TABLE 2 - MJ4X0.7 AND MJ5X0.8 DIMENSIONS

L	MJ4x0.7-4h6h				MJ5x0.8-4h6h			
	DASH NUMBER /8/	M MAX	N MIN	MASS KG/100	DASH NUMBER /8/	M MAX	N MIN	MASS KG/100
19.7-20.3	040020	6.0	3.1	0.305				
21.7-22.3	040022	8.0	5.1	0.324	050022	6.0	2.9	0.481
23.7-24.3	040024	10.0	7.1	0.343	050024	8.0	4.9	0.512
25.7-26.3	040026	12.0	9.1	0.363	050026	10.0	6.9	0.542
27.7-28.3	040028	14.0	11.1	0.382	050028	12.0	8.9	0.572
29.7-30.3	040030	16.0	13.1	0.401	050030	14.0	10.9	0.603
31.7-32.3	040032	18.0	15.1	0.420	050032	16.0	12.9	0.633
33.7-34.3	040034	20.0	17.1	0.440	050034	18.0	14.9	0.664
35.7-36.3	040036	22.0	19.1	0.459	050036	20.0	16.9	0.695
37.7-38.3	040038	24.0	21.1	0.478	050038	22.0	18.9	0.725
39.7-40.3	040040	26.0	23.1	0.498	050040	24.0	20.9	0.755
41.7-42.3	040042	28.0	25.1	0.517	050042	26.0	22.9	0.786
43.7-44.3	040044	30.0	27.1	0.536	050044	28.0	24.9	0.816
45.7-46.3	040046	32.0	29.1	0.554	050046	30.0	26.9	0.848
47.7-48.3	040048	34.0	31.1	0.574	050048	32.0	28.9	0.878
49.7-50.3	040050	36.0	33.1	0.593	050050	34.0	30.9	0.909
51.7-52.3	040052	38.0	35.1	0.612	050052	36.0	32.9	0.939
53.7-54.3	040054	40.0	37.1	0.632	050054	38.0	34.9	0.970
55.7-56.3	040056	42.0	39.1	0.651	050056	40.0	36.9	1.000
57.7-58.3					050058	42.0	38.9	1.031
59.7-60.3					050060	44.0	40.9	1.062
63.7-64.3					050064	48.0	44.9	1.122
67.7-68.3					050068	52.0	48.9	1.182



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MA3342™
SHEET 3 OF 7

REV.
A

TABLE 2 - MJ6X1 AND MJ7X1 DIMENSIONS

L	MJ6x1-4h6h				MJ7x1-4h6h			
	DASH NUMBER /8/	M MAX	N MIN	MASS KG/100	DASH NUMBER /8/	M MAX	N MIN	MASS KG/100
23.7-24.3	060024	6.0	2.5	0.718				
25.7-26.3	060026	8.0	4.5	0.761	070026	6.0	2.5	1.083
27.7-28.3	060028	10.0	6.5	0.804	070028	8.0	4.5	1.145
29.7-30.3	060030	12.0	8.5	0.847	070030	10.0	6.5	1.206
31.7-32.3	060032	14.0	10.5	0.890	070032	12.0	8.5	1.267
33.7-34.3	060034	16.0	12.5	0.934	070034	14.0	10.5	1.329
35.7-36.3	060036	18.0	14.5	0.977	070036	16.0	12.5	1.391
37.7-38.3	060038	20.0	16.5	1.020	070038	18.0	14.5	1.453
39.7-40.3	060040	22.0	18.5	1.063	070040	20.0	16.5	1.514
41.7-42.3	060042	24.0	20.5	1.106	070042	22.0	18.5	1.576
43.7-44.3	060044	26.0	22.5	1.150	070044	24.0	20.5	1.637
45.7-46.3	060046	28.0	24.5	1.194	070046	26.0	22.5	1.699
47.7-48.3	060048	30.0	26.5	1.237	070048	28.0	24.5	1.761
49.7-50.3	060050	32.0	28.5	1.280	070050	30.0	26.5	1.822
51.7-52.3	060052	34.0	30.5	1.323	070052	32.0	28.5	1.884
53.7-54.3	060054	36.0	32.5	1.367	070054	34.0	30.5	1.946
55.7-56.3	060056	38.0	34.5	1.410	070056	36.0	32.5	2.007
57.7-58.3	060058	40.0	36.5	1.453	070058	38.0	34.5	2.068
59.7-60.3	060060	42.0	38.5	1.496	070060	40.0	36.5	2.130
63.7-64.3	060064	46.0	42.5	1.583	070064	44.0	40.5	2.258
67.7-68.3	060066	50.0	46.5	1.669	070066	48.0	44.5	2.380
71.7-72.3	060072	54.0	50.5	1.756	070072	52.0	48.5	2.504
75.7-76.3	060076	58.0	54.5	1.842	070076	56.0	52.5	2.627
79.7-80.3	060080	62.0	58.5	1.928	070080	60.0	56.5	2.750
83.7-84.3	060084	66.0	62.5	2.015	070084	64.0	60.5	2.874
87.7-88.3					070088	68.0	64.5	2.997
91.7-92.3					070092	72.0	68.5	3.120
95.7-96.3					070096	76.0	72.5	3.246

TABLE 2 - MJ8X1 AND MJ10X1.25 DIMENSIONS(CONTINUED)

L	MJ8x1-4h6h				MJ10x1.25-4h6h			
	DASH NUMBER /8/	M MAX	N MIN	MASS KG/100	DASH NUMBER /8/	M MAX	N MIN	MASS KG/100
27.7- 28.3	080028	6.0	2.5	1.464				
29.7- 30.3	080030	8.0	4.5	1.542				
31.7- 32.3	080032	10.0	6.5	1.619	100032	6.0	2.0	2.586
33.7- 34.3	080034	12.0	8.5	1.687	100034	8.0	4.0	2.706
35.7- 36.3	080036	14.0	10.5	1.774	100036	10.0	6.0	2.828
37.7- 38.3	080038	16.0	12.5	1.852	100038	12.0	8.0	2.948
39.7- 40.3	080040	18.0	14.5	1.928	100040	14.0	10.0	3.070
41.7- 42.3	080042	20.0	16.5	2.006	100042	16.0	12.0	3.190
43.7- 44.3	080044	22.0	18.5	2.083	100044	18.0	14.0	3.312
45.7- 46.3	080046	24.0	20.5	2.161	100046	20.0	16.0	3.433
47.7- 48.3	080048	26.0	22.5	2.238	100048	22.0	18.0	3.553
49.7- 50.3	080050	28.0	24.5	2.315	100050	24.0	20.0	3.675
51.7- 52.3	080052	30.0	26.5	2.392	100052	26.0	22.0	3.795
53.7- 54.3	080054	32.0	28.5	2.469	100054	28.0	24.0	3.917
55.7- 56.3	080056	34.0	30.5	2.547	100056	30.0	26.0	4.038
57.7- 58.3	080058	36.0	32.5	2.624	100058	32.0	28.0	4.159
59.7- 60.3	080060	38.0	34.5	2.702	100060	34.0	30.0	4.280
63.7- 64.3	080064	42.0	38.5	2.857	100064	38.0	34.0	4.522
67.7- 68.3	080068	46.0	42.5	3.011	100068	42.0	38.0	4.764
71.7- 72.3	080072	50.0	46.5	3.165	100072	46.0	42.0	5.006
75.7- 76.3	080076	54.0	50.5	3.320	100076	50.0	46.0	5.248
79.7- 80.3	080080	58.0	54.5	3.375	100080	54.0	50.0	5.490
83.7- 84.3	080084	62.0	58.5	3.630	100084	58.0	54.0	5.732
87.7- 88.3	080088	66.0	62.5	3.784	100088	62.0	58.0	5.974
91.7- 92.3	080092	70.0	66.5	3.939	100092	66.0	62.0	6.216
95.7- 96.3	080096	74.0	70.5	4.094	100096	70.0	66.0	6.458
99.7-100.3	080100	78.0	74.5	4.248	100100	74.0	70.0	6.700
103.7-104.3	080104	82.0	78.5	4.403	100104	78.0	74.0	6.943
107.7-108.3	080108	86.0	82.5	4.557	100108	82.0	78.0	7.185
111.7-112.3	080112	90.0	86.5	4.711	100112	86.0	82.0	7.427
115.7-116.3					100116	90.0	86.0	7.668
119.7-120.3					100120	94.0	90.0	7.910
123.7-124.3					100124	98.0	94.0	8.152
127.7-128.3					100128	102.0	98.0	8.395
131.7-132.3					100132	106.0	102.0	8.637
135.7-136.3					100136	110.0	106.0	8.879
139.7-140.3					100140	114.0	110.0	9.121



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SHEET 5 OF 7

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A