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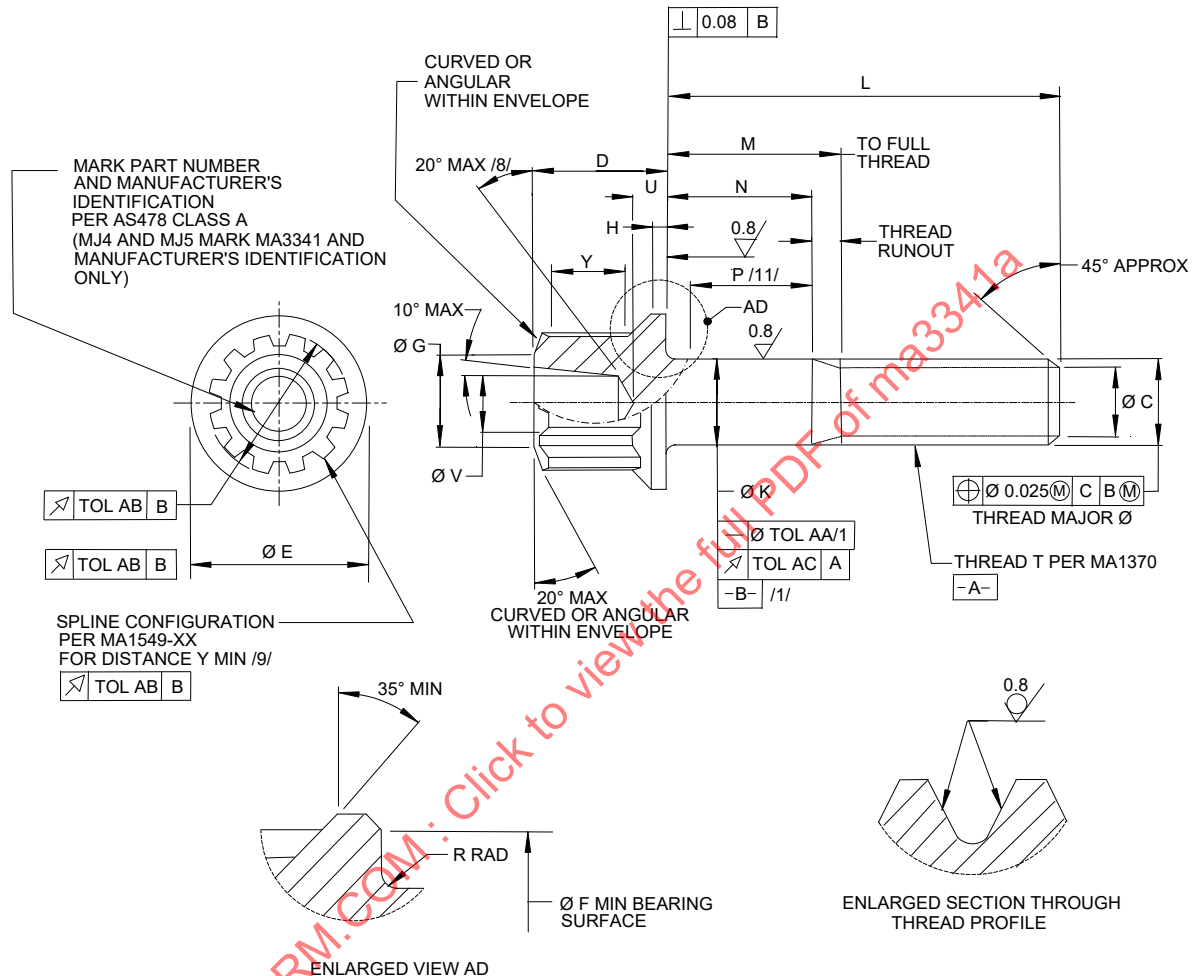
REV.
A

MA3341™

FEDERAL SUPPLY CLASS
5306

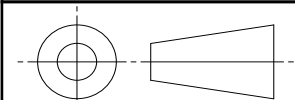
RATIONALE

FIGURE REDRAWN, USAGE NOTE ADDED, NOTES AND SPECS UPDATED. DASH NUMBER 120156 DIMENSION M MAX CORRECTED.



For more information on this standard, visit
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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION : MA3374



METRIC AEROSPACE STANDARD

(R) BOLT, MACHINE-SPLINE EXTENDED WASHER,
FULL SHANK, LONG THREAD, AMS5731,
METRIC

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TABLE 1 - DIMENSIONS

PART NUMBER /7/	NOM DIA REF	THREAD T	C	D	E MAX	G MIN	H MIN
MA3341-4XXX	4	MJ4x0.7-4h6h	2.6- 3.1	5.02- 5.50	8.3	6	7.5
MA3341-5XXX	5	MJ5x0.8-4h6h	3.0- 4.0	5.92- 6.50	9.1	7	8.3
MA3341-6XXX	6	MJ6x1-4h6h	3.7- 4.7	6.92- 7.50	10.6	8	9.8
MA3341-7XXX	7	MJ7x1-4h6h	4.7- 5.7	7.62- 8.20	12.1	9	11.3
MA3341-8XXX	8	MJ8x1-4h6h	5.7- 6.7	8.02- 8.60	13.6	10	12.8
MA3341-10XXX	10	MJ10x1.25-4h6h	7.4- 8.4	9.40-10.10	15.5	12	2.0
MA3341-12XXX	12	MJ12x1.25-4h6h	9.4-10.4	10.70-11.40	18.9	14	2.2

TABLE 1 - DIMENSIONS (CONTINUED)

PART NUMBER /7/	K H12	R	U	V	Y MIN	AA	AB	AC	WRENCHING CONFIGURATION DASH NO /9/
MA3341-4XXX	3.88- 4.00	0.2-0.4			2.5	0.0030	0.10	0.12	06
MA3341-5XXX	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
MA3341-6XXX	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
MA3341-7XXX	6.85- 7.00	0.5-0.7	3.3-3.7	4.9-5.4	3.8	0.0030	0.16	0.15	09
MA3341-8XXX	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
MA3341-10XXX	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
MA3341-12XXX	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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TABLE 2 - MJ4X0.7 AND MJ5X0.8 DIMENSIONS

L	MJ4X0.7-4H6H				MJ5X0.8-4H6H			
	DASH NUMBER /7/	M MAX	N MIN	MASS KG/100	DASH NUMBER /7/	M MAX	N MIN	MASS KG/100
19.7-20.3	040020	6.0	3.1	0.312				
21.7-22.3	040022	8.0	5.1	0.332	050022	6.0	2.9	0.486
23.7-24.3	040024	10.0	7.1	0.351	050024	8.0	4.9	0.517
25.7-26.3	040026	12.0	9.1	0.371	050026	10.0	6.9	0.547
27.7-28.3	040028	14.0	11.1	0.390	050028	12.0	8.9	0.577
29.7-30.3	040030	16.0	13.1	0.409	050030	14.0	10.9	0.608
31.7-32.3	040032	18.0	15.1	0.428	050032	16.0	12.9	0.638
33.7-34.3	040034	20.0	17.1	0.448	050034	18.0	14.9	0.669
35.7-36.3	040036	22.0	19.1	0.467	050036	20.0	16.9	0.700
37.7-38.3	040038	24.0	21.1	0.486	050038	22.0	18.9	0.730
39.7-40.3	040040	26.0	23.1	0.506	050040	24.0	20.9	0.760
41.7-42.3	040042	28.0	25.1	0.525	050042	26.0	22.9	0.791
43.7-44.3	040044	30.0	27.1	0.544	050044	28.0	24.9	0.821
45.7-46.3	040046	32.0	29.1	0.562	050046	30.0	26.9	0.853
47.7-48.3	040048	34.0	31.1	0.582	050048	32.0	28.9	0.883
49.7-50.3	040050	36.0	33.1	0.601	050050	34.0	30.9	0.914
51.7-52.3	040052	38.0	35.1	0.620	050052	36.0	32.9	0.944
53.7-54.3	040054	40.0	37.1	0.640	050054	38.0	34.9	0.975
55.7-56.3	040056	42.0	39.1	0.659	050056	40.0	36.9	1.005
57.7-58.3					050058	42.0	38.9	1.036
59.7-60.3					050060	44.0	40.9	1.067
63.7-64.3					050064	48.0	44.9	1.127
67.7-68.3					050068	52.0	48.9	1.187



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TABLE 2 - MJ6X1 AND MJ7X1 DIMENSIONS (CONTINUED)

L	MJ6X1-4H6H					MJ7X1-4H6H			
	DASH NUMBER /7/	M MAX	N MIN	MASS KG/100		DASH NUMBER /7/	M MAX	N MIN	MASS KG/100
23.7-24.3	060024	6.0	2.5	0.728					
25.7-26.3	060026	8.0	4.5	0.771		070026	6.0	2.5	1.093
27.7-28.3	060028	10.0	6.5	0.814		070028	8.0	4.5	1.155
29.7-30.3	060030	12.0	8.5	0.857		070030	10.0	6.5	1.216
31.7-32.3	060032	14.0	10.5	0.900		070032	12.0	8.5	1.277
33.7-34.3	060034	16.0	12.5	0.944		070034	14.0	10.5	1.339
35.7-36.3	060036	18.0	14.5	0.987		070036	16.0	12.5	1.401
37.7-38.3	060038	20.0	16.5	1.030		070038	18.0	14.5	1.463
39.7-40.3	060040	22.0	18.5	1.073		070040	20.0	16.5	1.524
41.7-42.3	060042	24.0	20.5	1.116		070042	22.0	18.5	1.586
43.7-44.3	060044	26.0	22.5	1.160		070044	24.0	20.5	1.647
45.7-46.3	060046	28.0	24.5	1.204		070046	26.0	22.5	1.709
47.7-48.3	060048	30.0	26.5	1.247		070048	28.0	24.5	1.771
49.7-50.3	060050	32.0	28.5	1.290		070050	30.0	26.5	1.832
51.7-52.3	060052	34.0	30.5	1.333		070052	32.0	28.5	1.894
53.7-54.3	060054	36.0	32.5	1.377		070054	34.0	30.5	1.956
55.7-56.3	060056	38.0	34.5	1.420		070056	36.0	32.5	2.017
57.7-58.3	060058	40.0	36.5	1.463		070058	38.0	34.5	2.078
59.7-60.3	060060	42.0	38.5	1.506		070060	40.0	36.5	2.140
63.7-64.3	060064	46.0	42.5	1.593		070064	44.0	40.5	2.268
67.7-68.3	060066	50.0	46.5	1.679		070066	48.0	44.5	2.390
71.7-72.3	060072	54.0	50.5	1.766		070072	52.0	48.5	2.514
75.7-76.3	060076	58.0	54.5	1.852		070076	56.0	52.5	2.637
79.7-80.3	060080	62.0	58.5	1.938		070080	60.0	56.5	2.760
83.7-84.3	060084	66.0	62.5	2.025		070084	64.0	60.5	2.884
87.7-88.3						070088	68.0	64.5	3.007
91.7-92.3						070092	72.0	68.5	3.130
95.7-96.3						070096	76.0	72.5	3.256



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

L	MJ8X1-4H6H					MJ10X1.25-4H6H			
	DASH NUMBER /7/	M MAX	N MIN	MASS KG/100		DASH NUMBER /7/	M MAX	N MIN	MASS KG/100
27.7- 28.3	080028	6.0	2.5	1.476					
29.7- 30.3	080030	8.0	4.5	1.554					
31.7- 32.3	080032	10.0	6.5	1.631		100032	6.0	2.0	2.604
33.7- 34.3	080034	12.0	8.5	1.709		100034	8.0	4.0	2.724
35.7- 36.3	080036	14.0	10.5	1.786		100036	10.0	6.0	2.846
37.7- 38.3	080038	16.0	12.5	1.864		100038	12.0	8.0	2.966
39.7- 40.3	080040	18.0	14.5	1.940		100040	14.0	10.0	3.088
41.7- 42.3	080042	20.0	16.5	2.018		100042	16.0	12.0	3.208
43.7- 44.3	080044	22.0	18.5	2.095		100044	18.0	14.0	3.330
45.7- 46.3	080046	24.0	20.5	2.173		100046	20.0	16.0	3.451
47.7- 48.3	080048	26.0	22.5	2.250		100048	22.0	18.0	3.571
49.7- 50.3	080050	28.0	24.5	2.327		100050	24.0	20.0	3.693
51.7- 52.3	080052	30.0	26.5	2.404		100052	26.0	22.0	3.813
53.7- 54.3	080054	32.0	28.5	2.481		100054	28.0	24.0	3.935
55.7- 56.3	080056	34.0	30.5	2.559		100056	30.0	26.0	4.056
57.7- 58.3	080058	36.0	32.5	2.636		100058	32.0	28.0	4.177
59.7- 60.3	080060	38.0	34.5	2.714		100060	34.0	30.0	4.298
63.7- 64.3	080064	42.0	38.5	2.869		100064	38.0	34.0	4.540
67.7- 68.3	080068	46.0	42.5	3.023		100068	42.0	38.0	4.782
71.7- 72.3	080072	50.0	46.5	3.177		100072	46.0	42.0	5.024
75.7- 76.3	080076	54.0	50.5	3.332		100076	50.0	46.0	5.266
79.7- 80.3	080080	58.0	54.5	3.387		100080	54.0	50.0	5.508
83.7- 84.3	080084	62.0	58.5	3.642		100084	58.0	54.0	5.750
87.7- 88.3	080088	66.0	62.5	3.796		100088	62.0	58.0	5.992
91.7- 92.3	080092	70.0	66.5	3.951		100092	66.0	62.0	6.234
95.7- 96.3	080096	74.0	70.5	4.106		100096	70.0	66.0	6.476
99.7-100.3	080100	78.0	74.5	4.260		100100	74.0	70.0	6.718
103.7-104.3	080104	82.0	78.5	4.415		100104	78.0	74.0	6.961
107.7-108.3	080108	86.0	82.5	4.569		100108	82.0	78.0	7.203
111.7-112.3	080112	90.0	86.5	4.723		100112	86.0	82.0	7.445
115.7-116.3						100116	90.0	86.0	7.686
119.7-120.3						100120	94.0	90.0	7.928
123.7-124.3						100124	98.0	94.0	8.170
127.7-128.3						100128	102.0	98.0	8.413
131.7-132.3						100132	106.0	102.0	8.655
135.7-136.3						100136	110.0	106.0	8.897
139.7-140.3						100140	114.0	110.0	9.139



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