

RATIONALE

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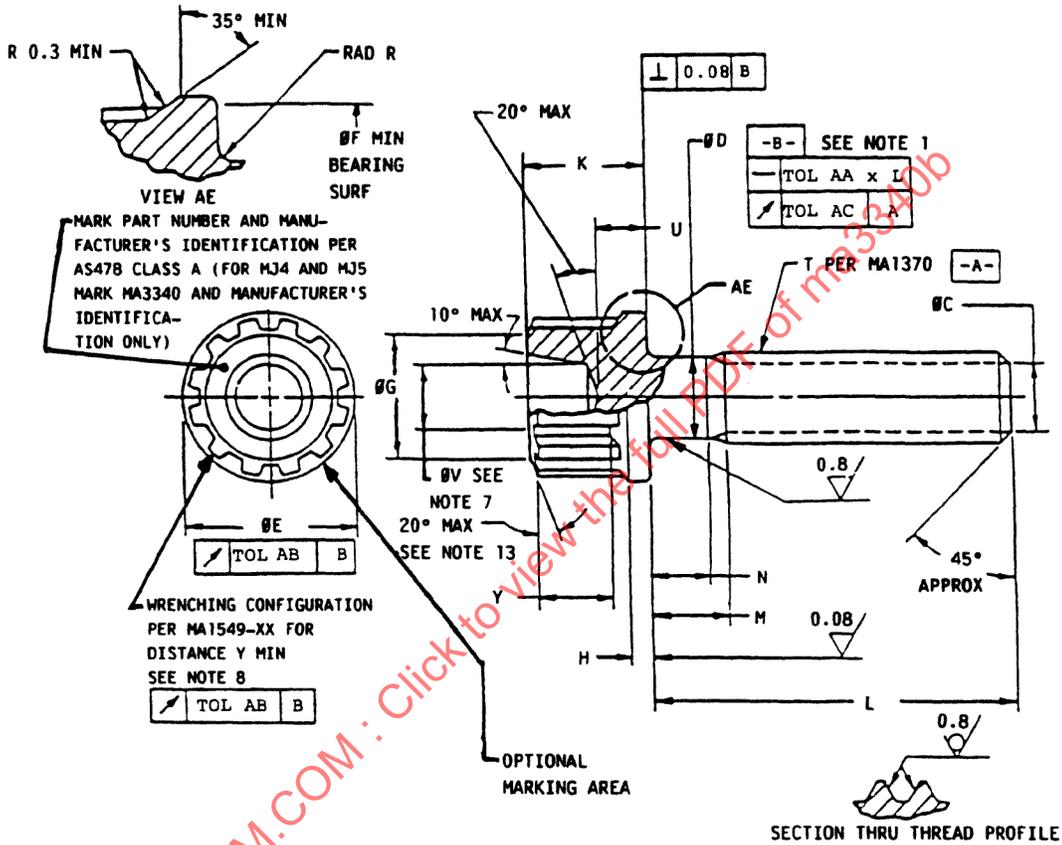
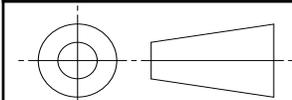


FIGURE 1

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

METRIC AEROSPACE STANDARD

BOLT, MACHINE-SPLINE
EXTENDED WASHER, PD SHANK,
LONG THREAD, AMS 5662, METRIC

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TABLE 1

PART NUMBER SEE NOTE 6	NOM DIA REF	THREAD T	C	K h15	E MAX	F MIN	G MIN	H MIN	D	R	U	V	Y MIN	AA	AB	AC	WRENCHING CONFIGURATION DASH NO. SEE NOTE 8
MA3340-4XXX	4	MJ4x0.7-4h6h	2.6-3.1	5.02-5.50	8.3	7.5	6	0.8	3.42-3.68	0.2-0.4	---	---	2.5	0.0030	0.10	0.12	06
MA3340-5XXX	5	MJ5x0.8-4h6h	3.0-4.0	5.92-6.50	9.1	8.3	7	1.0	4.35-4.61	0.3-0.5	2.5-2.9	3.2-3.7	2.8	0.0030	0.13	0.12	07
MA3340-6XXX	6	MJ6x1-4h6h	3.7-4.7	6.92-7.50	10.6	9.8	8	1.2	5.22-5.48	0.5-0.7	2.8-3.2	4.1-4.6	3.5	0.0030	0.15	0.12	08
MA3340-7XXX	7	MJ7x1-4h6h	4.7-5.7	7.62-8.20	12.1	11.3	9	1.4	6.22-6.48	0.5-0.7	3.3-3.7	4.9-5.4	3.8	0.0030	0.18	0.15	09
MA3340-8XXX	8	MJ8x1-4h6h	5.7-6.7	8.02-8.60	13.6	12.8	10	1.6	7.22-7.48	0.5-0.7	3.7-4.1	5.2-5.7	3.9	0.0030	0.20	0.15	10
MA3340-10XXX	10	NJ10x1.25-4h6h	7.4-8.4	9.4-10.1	16.7	15.7	12	2.0	9.06-9.32	0.6-0.8	4.7-5.1	6.7-7.2	4.2	0.0025	0.25	0.15	12
MA3340-12XXX	12	NJ12x1.25-4h6h	9.4-10.4	10.7-11.4	19.8	18.8	14	2.4	11.06-11.32	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

SIZE	L LENGTH	DASH NO. SEE NOTE 6	M MAX	N MIN	MASS kg/100
MJ4 x 0.7 - 4h6h	5.7- 6.3	040006	1.8	0.4	0.232
	7.7- 8.3	040008	1.8	0.4	0.248
	9.7-10.3	040010	1.8	0.4	0.264
	11.7-12.3	040012	1.8	0.4	0.280
	13.7-14.3	040014	1.8	0.4	0.296
	15.7-16.3	040016	2.0	0.4	0.312
	17.7-18.3	040018	4.0	1.1	0.328
	19.7-20.3	040020	6	3.1	0.344
	21.7-22.3	040022	8	5.1	0.360
	23.7-24.3	040024	10	7.1	0.376
	25.7-26.3	040026	12	9.1	0.392
	27.7-28.3	040028	14	11.1	0.408
	29.7-30.3	040030	16	13.1	0.424
	31.7-32.3	040032	18	15.1	0.439
	33.7-34.3	040034	20	17.1	0.455
	35.7-36.3	040036	22	19.1	0.471
	37.7-38.3	040038	24	21.1	0.487
	39.7-40.3	040040	26	23.1	0.503
	41.7-42.3	040042	28	25.1	0.519
	43.7-44.3	040044	30	27.1	0.535
	45.7-46.3	040046	32	29.1	0.551
	47.7-48.3	040048	34	31.1	0.566
	49.7-50.3	040050	36	33.1	0.582
	51.7-52.3	040052	38	35.1	0.598
	53.7-54.3	040054	40	37.1	0.614
	55.7-56.3	040056	42	39.1	0.630


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TABLE 2 (CONTINUED)

SIZE	L LENGTH	DASH NO. SEE NOTE 6	M MAX	N MIN	MASS kg/100
MJ5 x 0.8 - 4h6h	7.7-8.3	050008	2.1	0.5	0.366
	9.7-10.3	050010	2.1	0.5	0.392
	11.7-12.3	050012	2.1	0.5	0.418
	13.7-14.3	050014	2.1	0.5	0.443
	15.7-16.3	050016	2.1	0.5	0.469
	17.7-18.3	050018	2.1	0.5	0.495
	19.7-20.3	050020	4.0	0.9	0.520
	21.7-22.3	050022	6	2.9	0.546
	23.7-24.3	050024	8	4.9	0.571
	25.7-26.3	050026	10	6.9	0.596
	27.7-28.3	050028	12	8.9	0.622
	29.7-30.3	050030	14	10.9	0.647
	31.7-32.3	050032	16	12.9	0.673
	33.7-34.3	050034	18	14.9	0.698
	35.7-36.3	050036	20	16.9	0.724
	37.7-38.3	050038	22	18.9	0.749
	39.7-40.3	050040	24	20.9	0.774
	41.7-42.3	050042	26	22.9	0.800
	43.7-44.3	050044	28	24.9	0.825
	45.7-46.3	050046	30	26.9	0.850
	47.7-48.3	050048	32	28.9	0.876
	49.7-50.3	050050	34	30.9	0.901
	51.7-52.3	050052	36	32.9	0.927
	53.7-54.3	050054	38	34.9	0.952
55.7-56.3	050056	40	36.9	0.978	
57.7-58.3	050058	42	38.9	1.003	
59.7-60.3	050060	44	40.9	1.028	
63.7-64.3	050064	48	44.9	1.079	
67.7-68.3	050068	52	48.9	1.130	


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SIZE	L LENGTH	DASH NO. SEE NOTE 6	M MAX	N MIN	MASS kg/100
MJ6 x 1 - 4h6h	9.7-10.3	060010	2.7	0.7	0.570
	11.7-12.3	060012	2.7	0.7	0.606
	13.7-14.3	060014	2.7	0.7	0.643
	15.7-16.3	060016	2.7	0.7	0.679
	17.7-18.3	060018	2.7	0.7	0.716
	19.7-20.3	060020	2.7	0.7	0.753
	21.7-22.3	060022	4.0	0.7	0.789
	23.7-24.3	060024	6	2.5	0.826
	25.7-26.3	060026	8	4.5	0.862
	27.7-28.3	060028	10	6.5	0.898
	29.7-30.3	060030	12	8.5	0.935
	31.7-32.3	060032	14	10.5	0.971
	33.7-34.3	060034	16	12.5	1.007
	35.7-36.3	060036	18	14.5	1.044
	37.7-38.3	060038	20	16.5	1.080
	39.7-40.3	060040	22	18.5	1.116
	41.7-42.3	060042	24	20.5	1.152
	43.7-44.3	060044	26	22.5	1.189
	45.7-46.3	060046	28	24.5	1.225
	47.7-48.3	060048	30	26.5	1.261
	49.7-50.3	060050	32	28.5	1.298
	51.7-52.3	060052	34	30.5	1.334
	53.7-54.3	060054	36	32.5	1.370
	55.7-56.3	060056	38	34.5	1.406
57.7-58.3	060058	40	36.5	1.443	
59.7-60.3	060060	42	38.5	1.479	
63.7-64.3	060064	46	42.5	1.552	
67.7-68.3	060068	50	46.5	1.624	
71.7-72.3	060072	54	50.5	1.697	
75.7-76.3	060076	58	54.5	1.770	
79.7-80.3	060080	62	58.5	1.842	
83.7-84.3	060084	66	62.5	1.915	


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TABLE 2 (CONTINUED)

SIZE	L LENGTH	DASH NO. SEE NOTE 6	M MAX	N MIN	MASS kg/100
MJ7 x 1 - 4h6h	9.7-10.3	070010	2.7	0.7	0.793
	11.7-12.3	070012	2.7	0.7	0.845
	13.7-14.3	070014	2.7	0.7	0.896
	15.7-16.3	070016	2.7	0.7	0.948
	17.7-18.3	070018	2.7	0.7	1.000
	19.7-20.3	070020	2.7	0.7	1.052
	21.7-22.3	070022	2.7	0.7	1.103
	23.7-24.3	070024	4.0	0.7	1.155
	25.7-26.3	070026	6	2.5	1.206
	27.7-28.3	070028	8	4.5	1.257
	29.7-30.3	070030	10	6.5	1.308
	31.7-32.3	070032	12	8.5	1.360
	33.7-34.3	070034	14	10.5	1.411
	35.7-36.3	070036	16	12.5	1.462
	37.7-38.3	070038	18	14.5	1.513
	39.7-40.3	070040	20	16.5	1.565
	41.7-42.3	070042	22	18.5	1.616
	43.7-44.3	070044	24	20.5	1.668
	45.7-46.3	070046	26	22.5	1.718
	47.7-48.3	070048	28	24.5	1.770
	49.7-50.3	070050	30	26.5	1.821
	51.7-52.3	070052	32	28.5	1.872
	53.7-54.3	070054	34	30.5	1.923
	55.7-56.3	070056	36	32.5	1.974
	57.7-58.3	070058	38	34.5	2.026
	59.7-60.3	070060	40	36.5	2.077
	63.7-64.3	070064	44	40.5	2.179
	67.7-68.3	070068	48	44.5	2.282
	71.7-72.3	070072	52	48.5	2.384
	75.7-76.3	070076	56	52.5	2.487
	79.7-80.3	070080	60	56.5	2.589
	83.7-84.3	070084	64	60.5	2.692
	87.7-88.3	070088	68	64.5	2.794
	91.7-92.3	070092	72	68.5	2.896
	95.7-96.3	070096	76	72.5	2.999


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TABLE 2 (CONTINUED)

SIZE	L LENGTH	DASH NO. SEE NOTE 6	M MAX	N MIN	MASS kg/100
x 1 - 4h6h	9.7- 10.3	080010	2.7	0.7	1.071
	11.7- 12.3	080012	2.7	0.7	1.140
	13.7- 14.3	080014	2.7	0.7	1.210
	15.7- 16.3	080016	2.7	0.7	1.279
	17.7- 18.3	080018	2.7	0.7	1.348
	19.7- 20.3	080020	2.7	0.7	1.417
	21.7- 22.3	080022	2.7	0.7	1.486
	23.7- 24.3	080024	2.7	0.7	1.556
	25.7- 26.3	080026	4	0.7	1.625
	27.7- 28.3	080028	6	2.5	1.694
	29.7- 30.3	080030	8	4.5	1.762
	31.7- 32.3	080032	10	6.5	1.831
	33.7- 34.3	080034	12	8.5	1.900
	35.7- 36.3	080036	14	10.5	1.968
	37.7- 38.3	080038	16	12.5	2.037
	39.7- 40.3	080040	18	14.5	2.106
	41.7- 42.3	080042	20	16.5	2.175
	43.7- 44.3	080044	22	18.5	2.243
	45.7- 46.3	080046	24	20.5	2.312
	47.7- 48.3	080048	26	22.5	2.381
	49.7- 50.3	080050	28	24.5	2.450
	51.7- 52.3	080052	30	26.5	2.518
	53.7- 54.3	080054	32	28.5	2.587
	55.7- 56.3	080056	34	30.5	2.656
	57.7- 58.3	080058	36	32.5	2.724
	59.7- 60.3	080060	38	34.5	2.793
	63.7- 64.3	080064	42	38.5	2.931
	67.7- 68.3	080068	46	42.5	3.068
	71.7- 72.3	080072	50	46.5	3.206
	75.7- 76.3	080076	54	50.5	3.343
	79.7- 80.3	080080	58	54.5	3.480
	83.7- 84.3	080084	62	58.5	3.618
	87.7- 88.3	080088	66	62.5	3.755
	91.7- 92.3	080092	70	66.5	3.893
	95.7- 96.3	080096	74	70.5	4.030
	99.7-100.3	080100	78	74.5	4.168
	103.7-104.3	080104	82	78.5	4.305
	107.7-108.3	080108	86	82.5	4.443
	111.7-112.3	080112	90	86.5	4.580


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TABLE 2 (CONTINUED)

SIZE	L LENGTH	DASH NO. SEE NOTE 6	M MAX	N MIN	MASS kg/100
MJ10 x 1.25 - 4h6h	13.7- 14.3	100014	3.3	0.8	2.205
	15.7- 16.3	100016	3.3	0.8	2.133
	17.7- 18.3	100018	3.3	0.8	2.241
	19.7- 20.3	100020	3.3	0.8	2.350
	21.7- 22.3	100022	3.3	0.8	2.458
	23.7- 24.3	100024	3.3	0.8	2.566
	25.7- 26.3	100026	3.3	0.8	2.674
	27.7- 28.3	100028	3.3	0.8	2.783
	29.7- 30.3	100030	4.0	0.8	2.891
	31.7- 32.3	100032	6	2	2.999
	33.7- 34.3	100034	8	4	3.106
	35.7- 36.3	100036	10	6	3.213
	37.7- 38.3	100038	12	8	3.321
	39.7- 40.3	100040	14	10	3.428
	41.7- 42.3	100042	16	12	3.536
	43.7- 44.3	100044	18	14	3.643
	45.7- 46.3	100046	20	16	3.750
	47.7- 48.3	100048	22	18	3.858
	49.7- 50.3	100050		20	3.965
	51.7- 52.3	100052	26	22	4.072
	53.7- 54.3	100054	28	24	4.178
	55.7- 56.3	100056	30	26	4.287
	57.7- 58.3	100058	32	28	4.394
	59.7- 60.3	100060	34	30	4.502
	63.7- 64.3	100064	38	34	4.717
	67.7- 68.3	100068	42	38	4.931
	71.7- 72.3	100072	46	42	5.146
	75.7- 76.3	100076	50	46	5.361
	79.7- 80.3	100080	54	50	5.576
	83.7- 84.3	100084	58	54	5.790
	87.7- 88.3	100088	62	58	6.005
	91.7- 92.3	100092	66	62	6.220
	95.7- 96.3	100096	70	66	6.435
	99.7-100.3	100100	74	70	6.650
	103.7-104.3	100104	78	74	6.864
	107.7-108.3	100108	82	78	7.079
	111.7-112.3	100112	86	82	7.294
	115.7-116.3	100116	90	86	7.508
	119.7-120.3	100120	94	90	7.723
	123.7-124.3	100124	98	94	7.938
	127.7-128.3	100128	102	98	8.153
	131.7-132.3	100132	106	102	8.368
	135.7-136.3	100136	110	106	8.582
	139.7-140.3	100140	114	110	8.798


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