

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

RATIONALE

REDRAW FIGURE TO ASME Y14.5-2018.

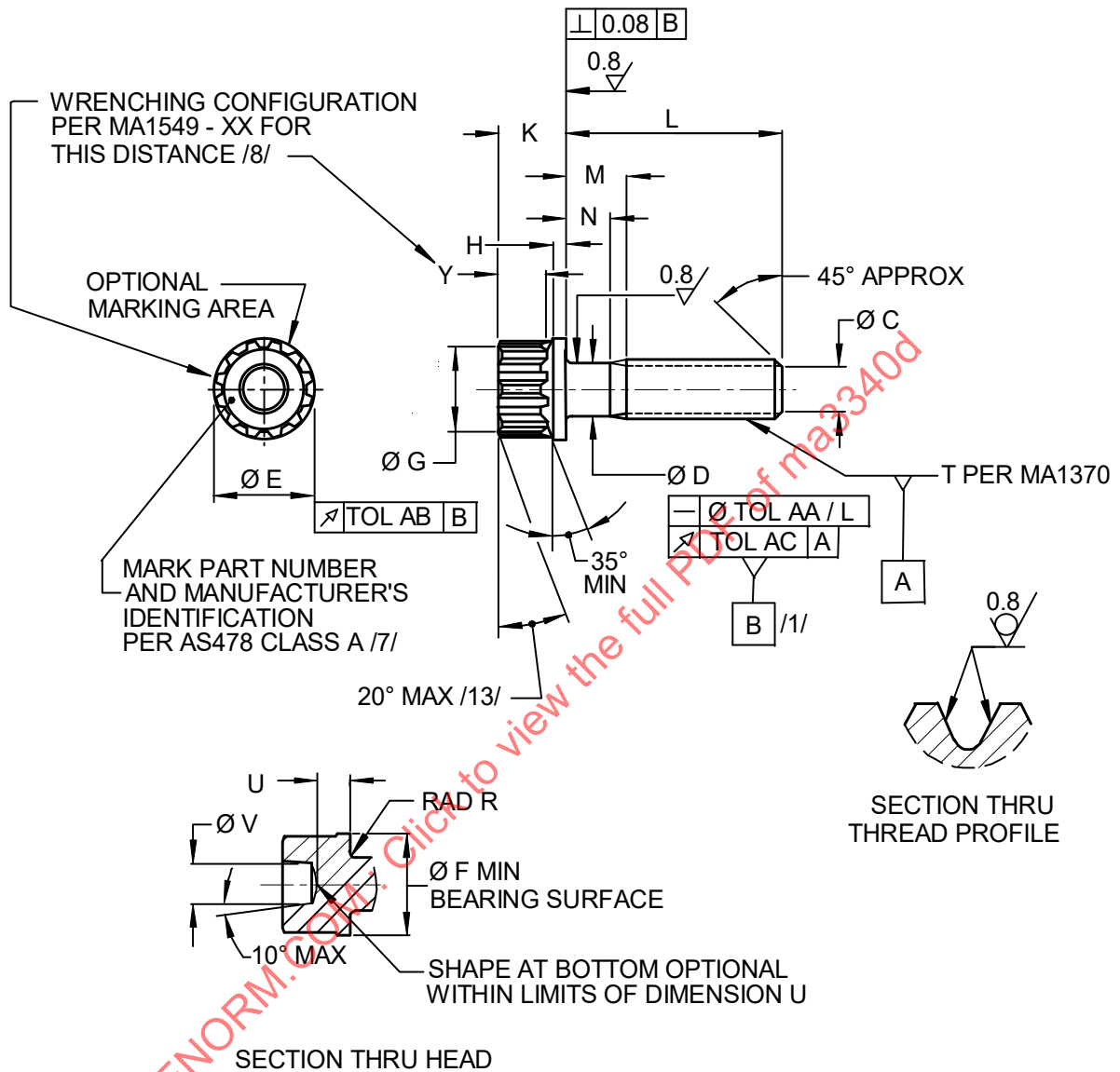
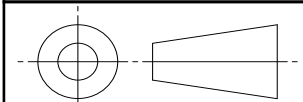


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/MA3340D/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA3377



METRIC AEROSPACE STANDARD

BOLT, MACHINE-SPLINE
EXTENDED WASHER, PD SHANK,
LONG THREAD, AMS5662, METRIC

MA3340™
SHEET 1 OF 7

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TABLE 1

PART NUMBER /6/	NOM Ø REF	THREAD T	C	K	E MAX	F MIN	G MIN	H MIN
MA3340-4XXX	4	MJ4 x 0.7-4h6h	2.6- 3.1	5.02- 5.50	8.3	7.5	6	0.8
MA3340-5XXX	5	MJ5 x 0.8-4h6h	3.0- 4.0	5.92- 6.50	9.1	8.3	7	1.0
MA3340-6XXX	6	MJ6 x 1-4h6h	3.7- 4.7	6.92- 7.50	10.6	9.8	8	1.2
MA3340-7XXX	7	MJ7 x 1-4h6h	4.7- 5.7	7.62- 8.20	12.1	11.3	9	1.4
MA3340-8XXX	8	MJ8 x 1-4h6h	5.7- 6.7	8.02- 8.60	13.6	12.8	10	1.6
MA3340-10XXX	10	MJ10 x 1.25-4h6h	7.4- 8.4	9.4- 10.1	16.7	15.7	12	2.0
MA3340-12XXX	12	MJ12 x 1.25-4h6h	9.4-10.4	10.7- 11.4	19.8	18.8	14	2.4

TABLE 1 (CONTINUED)

PART NUMBER /6/	WRENCHING CONFIG DASH NUMBER /8/	D	R	U	V	Y MIN	AA	AB	AC
MA3340-4XXX	06	3.42- 3.68	0.2-0.4	--	--	2.5	0.0030	0.10	0.12
MA3340-5XXX	07	4.35- 4.61	0.3-0.5	2.5-2.9	3.2-3.7	2.8	0.0030	0.13	0.12
MA3340-6XXX	08	5.22- 5.48	0.5-0.7	2.8-3.2	4.1-4.6	3.5	0.0030	0.15	0.12
MA3340-7XXX	09	6.22- 6.48	0.5-0.7	3.3-3.7	4.9-5.4	3.8	0.0030	0.18	0.15
MA3340-8XXX	10	7.22- 7.48	0.5-0.7	3.7-4.1	5.2-5.7	3.9	0.0030	0.20	0.15
MA3340-10XXX	12	9.06- 9.32	0.6-0.8	4.7-5.1	6.7-7.2	4.2	0.0025	0.25	0.15
MA3340-12XXX	14	11.06-11.32	0.6-0.9	5.6-6.0	8.0-8.5	4.5	0.0025	0.30	0.18

TABLE 2

THREAD SIZE									
MJ4 X 0.7 - 4h6h									
DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100	DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100
040006	5.7- 6.3	1.8	0.4	0.232	040036	35.7-36.3	22	19.1	0.471
040008	7.7- 8.3	1.8	0.4	0.248	040038	37.7-38.3	24	21.1	0.487
040010	9.7-10.3	1.8	0.4	0.264	040040	39.7-40.3	26	23.1	0.503
040012	11.7-12.3	1.8	0.4	0.280	040042	41.7-42.3	28	25.1	0.519
040014	13.7-14.3	1.8	0.4	0.296	040044	43.7-44.3	30	27.1	0.535
040016	15.7-16.3	2	0.4	0.312	040046	45.7-46.3	32	29.1	0.551
040018	17.7-18.3	4	1.1	0.328	040048	47.7-48.3	34	31.1	0.566
040020	19.7-20.3	6	3.1	0.344	040050	49.7-50.3	36	33.1	0.582
040022	21.7-22.3	8	5.1	0.360	040052	51.7-52.3	38	35.1	0.598
040024	23.7-24.3	10	7.1	0.376	040054	53.7-54.3	40	37.1	0.614
040026	25.7-26.3	12	9.1	0.392	040056	55.7-56.3	42	39.1	0.630
040028	27.7-28.3	14	11.1	0.408					
040030	29.7-30.3	16	13.1	0.424					
040032	31.7-32.3	18	15.1	0.439					
040034	33.7-34.3	20	17.1	0.455					



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BOLT, MACHINE-SPLINE
EXTENDED WASHER, PD SHANK,
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TABLE 2 (CONTINUED)

THREAD SIZE										
MJ5 X 0.8 - 4h6h										
DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100		DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100
050008	7.7- 8.3	2.1	0.5	0.366		050038	37.7-38.3	22	18.9	0.749
050010	9.7-10.3	2.1	0.5	0.392		050040	39.7-40.3	24	20.9	0.774
050012	11.7-12.3	2.1	0.5	0.418		050042	41.7-42.3	26	22.9	0.800
050014	13.7-14.3	2.1	0.5	0.443		050044	43.7-44.3	28	24.9	0.825
050016	15.7-16.3	2.1	0.5	0.469		050046	45.7-46.3	30	26.9	0.850
050018	17.7-18.3	2.1	0.5	0.495		050048	47.7-48.3	32	28.9	0.876
050020	19.7-20.3	4	0.9	0.520		050050	49.7-50.3	34	30.9	0.901
050022	21.7-22.3	6	2.9	0.546		050052	51.7-52.3	36	32.9	0.927
050024	23.7-24.3	8	4.9	0.571		050054	53.7-54.3	38	34.9	0.952
050026	25.7-26.3	10	6.9	0.596		050056	55.7-56.3	40	36.9	0.978
050028	27.7-28.3	12	8.9	0.622		050058	57.7-58.3	42	38.9	1.003
050030	29.7-30.3	14	10.9	0.647		050060	59.7-60.3	44	40.9	1.028
050032	31.7-32.3	16	12.9	0.673		050064	63.7-64.3	48	44.9	1.079
050034	33.7-34.3	18	14.9	0.698		050068	67.7-68.3	52	48.9	1.130
050036	35.7-36.3	20	16.9	0.724						

TABLE 2 (CONTINUED)

THREAD SIZE										
MJ6 X 1 - 4h6h										
DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100		DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100
060010	9.7-10.3	2.7	0.7	0.570		060044	43.7-44.3	26	22.5	1.189
060012	11.7-12.3	2.7	0.7	0.606		060046	45.7-46.3	28	24.5	1.225
060014	13.7-14.3	2.7	0.7	0.643		060048	47.7-48.3	30	26.5	1.261
060016	15.7-16.3	2.7	0.7	0.679		060050	49.7-50.3	32	28.5	1.298
060018	17.7-18.3	2.7	0.7	0.716		060052	51.7-52.3	34	30.5	1.334
060020	19.7-20.3	2.7	0.7	0.753		060054	53.7-54.3	36	32.5	1.370
060022	21.7-22.3	4	0.7	0.789		060056	55.7-56.3	38	34.5	1.406
060024	23.7-24.3	6	2.5	0.826		060058	57.7-58.3	40	36.5	1.443
060026	25.7-26.3	8	4.5	0.862		060060	59.7-60.3	42	38.5	1.479
060028	27.7-28.3	10	6.5	0.898		060064	63.7-64.3	46	42.5	1.552
060030	29.7-30.3	12	8.5	0.935		060068	67.7-68.3	50	46.5	1.624
060032	31.7-32.3	14	10.5	0.971		060072	71.7-72.3	54	50.5	1.697
060034	33.7-34.3	16	12.5	1.007		060076	75.7-76.3	58	54.5	1.770
060036	35.7-36.3	18	14.5	1.044		060080	79.7-80.3	62	58.5	1.842
060038	37.7-38.3	20	16.5	1.080		060084	83.7-84.3	66	62.5	1.915
060040	39.7-40.3	22	18.5	1.116						
060042	41.7-42.3	24	20.5	1.152						



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TABLE 2 (CONTINUED)

THREAD SIZE									
MJ7 X 1 - 4h6h									
DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100	DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100
070010	9.7-10.3	2.7	0.7	0.793	070050	49.7-50.3	30	26.5	1.821
070012	11.7-12.3	2.7	0.7	0.845	070052	51.7-52.3	32	28.5	1.872
070014	13.7-14.3	2.7	0.7	0.896	070054	53.7-54.3	34	30.5	1.923
070016	15.7-16.3	2.7	0.7	0.948	070056	55.7-56.3	36	32.5	1.974
070018	17.7-18.3	2.7	0.7	1.000	070058	57.7-58.3	38	34.5	2.026
070020	19.7-20.3	2.7	0.7	1.052	070060	59.7-60.3	40	36.5	2.077
070022	21.7-22.3	2.7	0.7	1.103	070064	63.7-64.3	44	40.5	2.179
070024	23.7-24.3	4	0.7	1.155	070068	67.7-68.3	48	44.5	2.282
070026	25.7-26.3	6	2.5	1.206	070072	71.7-72.3	52	48.5	2.384
070028	27.7-28.3	8	4.5	1.257	070076	75.7-76.3	56	52.5	2.487
070030	29.7-30.3	10	6.5	1.308	070080	79.7-80.3	60	56.5	2.589
070032	31.7-32.3	12	8.5	1.360	070084	83.7-84.3	64	60.5	2.692
070034	33.7-34.3	14	10.5	1.411	070088	87.7-88.3	68	64.5	2.794
070036	35.7-36.3	16	12.5	1.462	070092	91.7-92.3	72	68.5	2.896
070038	37.7-38.3	18	14.5	1.513	070096	95.7-96.3	76	72.5	2.999
070040	39.7-40.3	20	16.5	1.565					
070042	41.7-42.3	22	18.5	1.616					
070044	43.7-44.3	24	20.5	1.668					
070046	45.7-46.3	26	22.5	1.718					
070048	47.7-48.3	28	24.5	1.770					

TABLE 2 (CONTINUED)

THREAD SIZE									
MJ8 X 1 - 4h6h									
DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100	DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100
080010	9.7-10.3	2.7	0.7	1.071	080050	49.7- 50.3	28	24.5	2.450
080012	11.7-12.3	2.7	0.7	1.140	080052	51.7- 52.3	30	26.5	2.518
080014	13.7-14.3	2.7	0.7	1.210	080054	53.7- 54.3	32	28.5	2.587
080016	15.7-16.3	2.7	0.7	1.279	080056	55.7- 56.3	34	30.5	2.656
080018	17.7-18.3	2.7	0.7	1.348	080058	57.7- 58.3	36	32.5	2.724
080020	19.7-20.3	2.7	0.7	1.417	080060	59.7- 60.3	38	34.5	2.793
080022	21.7-22.3	2.7	0.7	1.486	080064	63.7- 64.3	42	38.5	2.931
080024	23.7-24.3	2.7	0.7	1.556	080068	67.7- 68.3	46	42.5	3.068
080026	25.7-26.3	4	0.7	1.625	080072	71.7- 72.3	50	46.5	3.206
080028	27.7-28.3	6	2.5	1.694	080076	75.7- 76.3	54	50.5	3.343
080030	29.7-30.3	8	4.5	1.762	080080	79.7- 80.3	58	54.5	3.480
080032	31.7-32.3	10	6.5	1.831	080084	83.7- 84.3	62	58.5	3.618
080034	33.7-34.3	12	8.5	1.900	080088	87.7- 88.3	66	62.5	3.755
080036	35.7-36.3	14	10.5	1.968	080092	91.7- 92.3	70	66.5	3.893
080038	37.7-38.3	16	12.5	2.037	080096	95.7- 96.3	74	70.5	4.030
080040	39.7-40.3	18	14.5	2.106	080100	99.7-100.3	78	74.5	4.168
080042	41.7-42.3	20	16.5	2.175	080104	103.7-104.3	82	78.5	4.305
080044	43.7-44.3	22	18.5	2.243	080108	107.7-108.3	86	82.5	4.443
080046	45.7-46.3	24	20.5	2.312	080112	111.7-112.3	90	86.5	4.580
080048	47.7-48.3	26	22.5	2.381					



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TABLE 2 (CONTINUED)

THREAD SIZE										
MJ10 X 1.25 - 4h6h										
DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100		DASH NUMBER /6/	L LENGTH	M MAX	N MIN	MASS KG/100
100014	13.7-14.3	3.3	0.8	2.025		100058	57.7- 58.3	32	28	4.394
100016	15.7-16.3	3.3	0.8	2.133		100060	59.7- 60.3	34	30	4.502
100018	17.7-18.3	3.3	0.8	2.241		100064	63.7- 64.3	38	34	4.717
100020	19.7-20.3	3.3	0.8	2.350		100068	67.7- 68.3	42	38	4.931
100022	21.7-22.3	3.3	0.8	2.458		100072	71.7- 72.3	46	42	5.146
100024	23.7-24.3	3.3	0.8	2.566		100076	75.7- 76.3	50	46	5.361
100026	25.7-26.3	3.3	0.8	2.674		100080	79.7- 80.3	54	50	5.576
100028	27.7-28.3	3.3	0.8	2.783		100084	83.7- 84.3	58	54	5.790
100030	29.7-30.3	4	0.8	2.891		100088	87.7- 88.3	62	58	6.005
100032	31.7-32.3	6	2	2.999		100092	91.7- 92.3	66	62	6.220
100034	33.7-34.3	8	4	3.106		100096	95.7- 96.3	70	66	6.435
100036	35.7-36.3	10	6	3.213		100100	99.7-100.3	74	70	6.650
100038	37.7-38.3	12	8	3.321		100104	103.7-104.3	78	74	6.864
100040	39.7-40.3	14	10	3.428		100108	107.7-108.3	82	78	7.079
100042	41.7-42.3	16	12	3.536		100112	111.7-112.3	86	82	7.294
100044	43.7-44.3	18	14	3.643		100116	115.7-116.3	90	86	7.508
100046	45.7-46.3	20	16	3.750		100120	119.7-120.3	94	90	7.723
100048	47.7-48.3	22	18	3.858		100124	123.7-124.3	98	94	7.938
100050	49.7-50.3	24	20	3.965		100128	127.7-128.3	102	98	8.153
100052	51.7-52.3	26	22	4.072		100132	131.7-132.3	106	102	8.368
100054	53.7-54.3	28	24	4.178		100136	135.7-136.3	110	106	8.582
100056	55.7-56.3	30	26	4.287		100140	139.7-140.3	114	110	8.798



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