

REV.
D

MA3340™

RATIONALE

REDRAW FIGURE TO ASME Y14.5-2018.

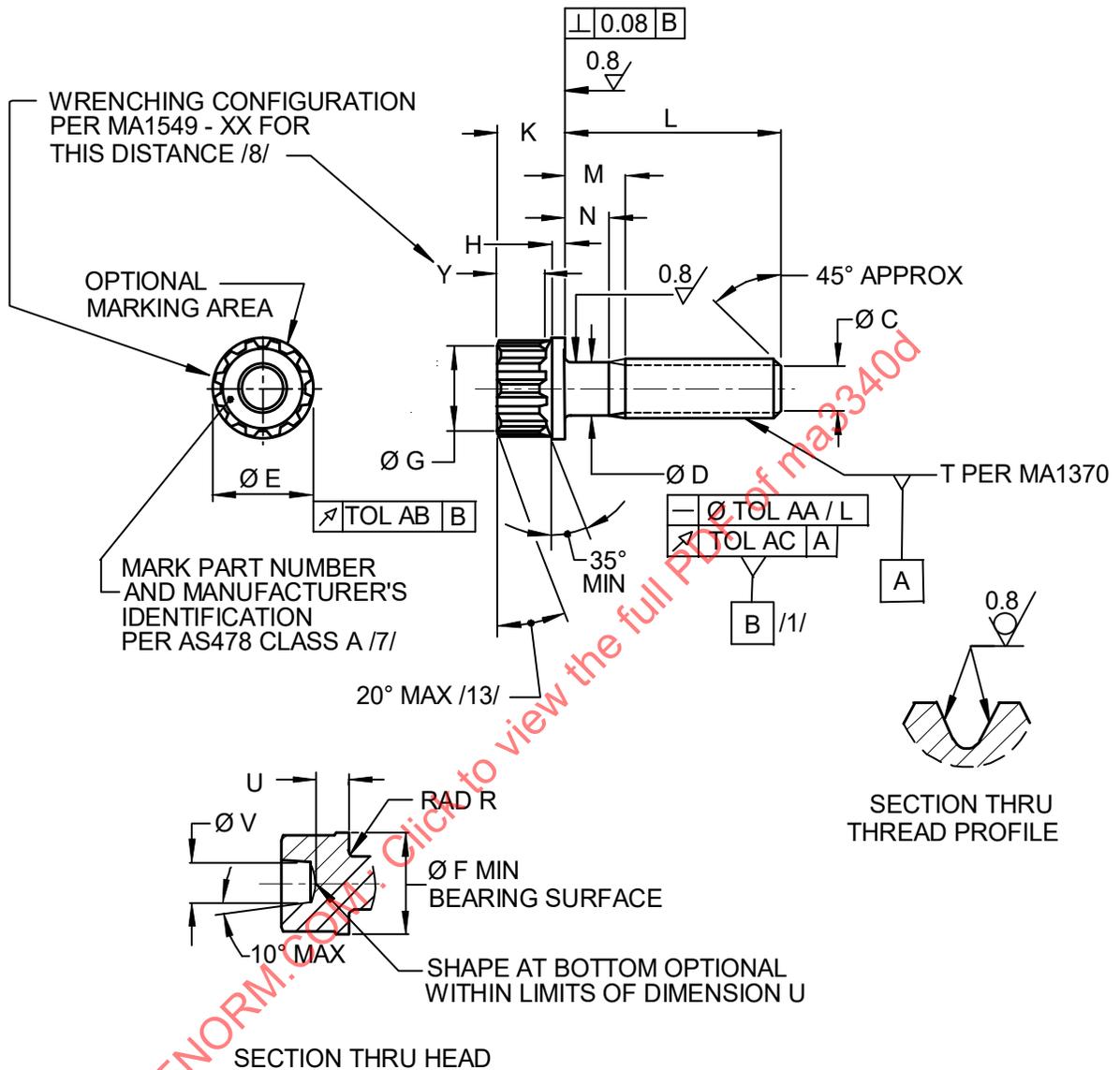
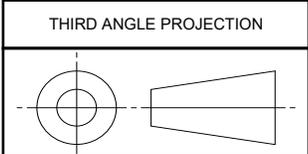


FIGURE 1

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



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

REV.
D

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ISSUED 1987-12 REAFFIRMED 2015-05 REVISED 2022-09

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					

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					

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	1.074	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					

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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