

REV.
A

MA3512™

FEDERAL SUPPLY CLASS
5306

RATIONALE

REDRAW OF FIGURE AND TABLES TO MAKE STANDARD READABLE. SPECS UPDATED; USAGE NOTE ADDED.

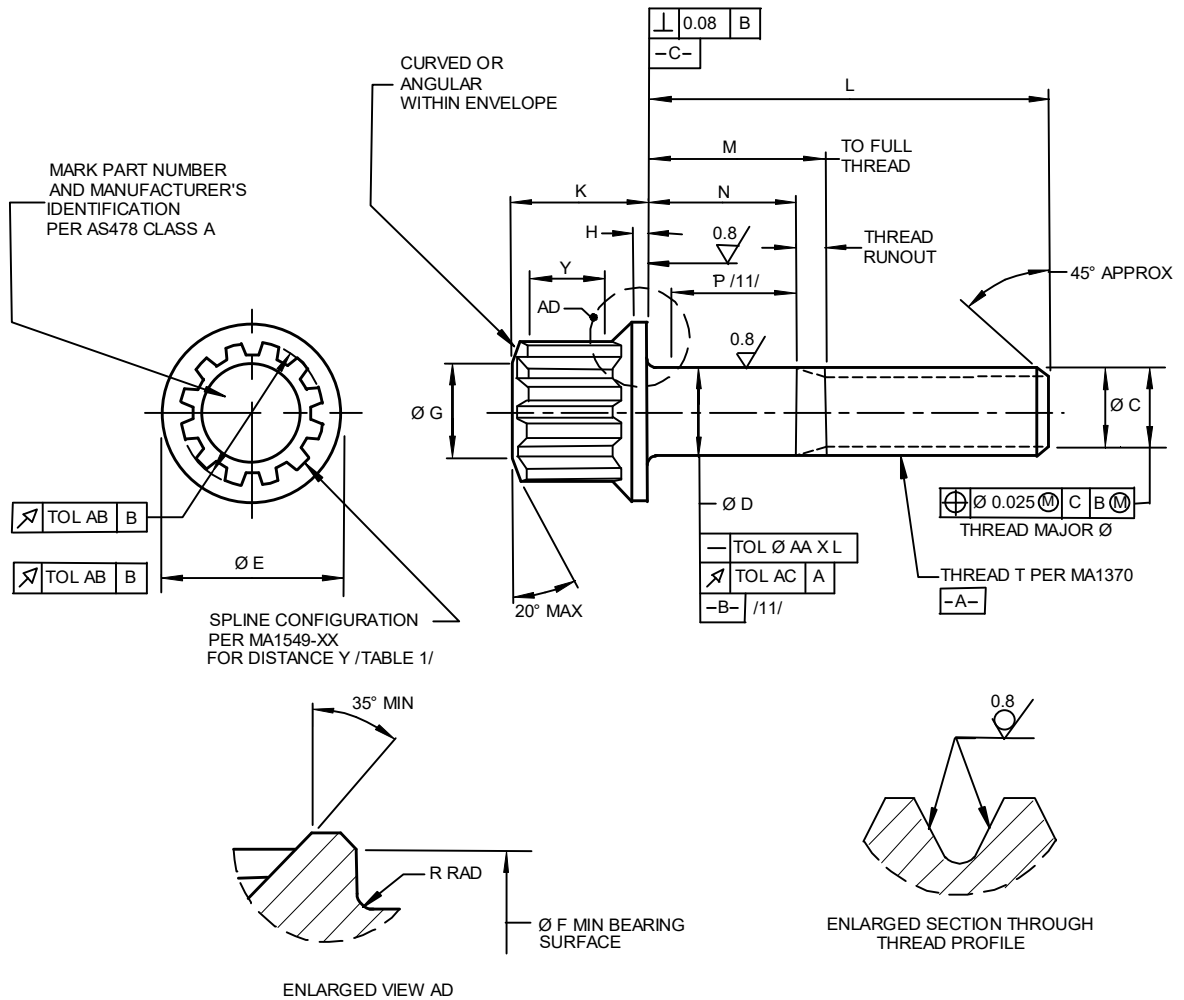


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/MA3512A>

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA3378



METRIC AEROSPACE STANDARD

(R) BOLT, MACHINE - SPLINE DRIVE HD,
CLOSE TOL FULL SHANK,
UNS N07001, METRIC

MA3512™
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TABLE 1- PART NUMBERS AND DIMENSIONS

PART NUMBER /8/	(NOM Ø)	THREAD T	THREAD T MAJOR Ø	ØD F7 /6/	WRENCH CONFIG DASH NO.
MA3512-050XXX	5	MJ5 X 0.8-4h6h MOD	4.850-4.953	4.978-4.990	07
MA3512-060XXX	6	MJ6 X 1-4h6h MOD	5.820-5.953	5.978-5.990	08
MA3512-070XXX	7	MJ7 X 1-4h6h MOD	6.820-6.947	6.972-6.987	09
MA3512-080XXX	8	MJ8 X 1-4h6h MOD	7.820-7.947	7.972-7.987	10
MA3512-100XXX	10	MJ10 X 1.25-4h6h MOD	9.788-9.947	9.972-9.987	12

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBER /8/	Ø C	Ø E MAX	Ø F MIN	Ø G MIN	K H15 /6/	H MIN	R
MA3512-050XXX	3.0-4.0	9.1	8.3	7	5.92- 6.50	1.0	0.3-0.5
MA3512-060XXX	3.7-4.7	10.6	9.8	8	6.92- 7.50	1.2	0.5-0.7
MA3512-070XXX	4.7-5.7	12.1	11.3	9	7.62- 8.20	1.4	0.5-0.7
MA3512-080XXX	5.7-6.7	13.6	12.8	10	8.02- 8.60	1.6	0.5-0.7
MA3512-100XXX	7.4-8.4	16.7	15.7	12	9.40-10.10	2.0	0.6-0.8

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBER /8/	AA TOL	AB TOL	AC TOL	Y MIN
MA3512-050XXX	0.002	0.13	0.12	2.8
MA3512-060XXX	0.002	0.15	0.12	3.5
MA3512-070XXX	0.002	0.18	0.15	3.8
MA3512-080XXX	0.002	0.20	0.15	3.9
MA3512-100XXX	0.0015	0.25	0.15	4.2

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TABLE 2 - SHANK LENGTH DIMENSIONS

SIZE	DASH NO. /8/	M MAX	N MIN	L	APPROX MASS KG/100
MJ5 x 0.8	050003	4.85	3	14.2-14.8	0.524
	050004	5.85	4	15.2-15.8	0.541
	050005	6.85	5	16.2-16.8	0.557
	050006	7.85	6	17.2-17.8	0.573
	050007	8.85	7	18.2-18.8	0.589
	050008	9.85	8	19.2-19.8	0.605
	050009	10.85	9	20.2-20.8	0.621
	050010	11.85	10	21.2-21.8	0.638
	050011	12.85	11	22.2-22.8	0.654
	050012	13.85	12	23.2-23.8	0.670
	050013	14.85	13	24.2-24.8	0.686
	050014	15.85	14	25.2-25.8	0.702
	050015	16.85	15	26.2-26.8	0.718
	050016	17.85	16	27.2-27.8	0.734
	050017	18.85	17	28.2-28.8	0.750
	050018	19.85	18	29.2-29.8	0.767
	050019	20.85	19	30.2-30.8	0.783
	050020	21.85	20	31.2-31.8	0.799
	050021	22.85	21	32.2-32.8	0.815
	050022	23.85	22	33.2-33.8	0.831
	050023	24.85	23	34.2-34.8	0.847
	050024	25.85	24	35.2-35.8	0.864
	050025	26.85	25	36.2-36.8	0.880
	050026	27.85	26	37.2-37.8	0.896
	050027	28.85	27	38.2-38.8	0.912
	050028	29.85	28	39.2-39.8	0.928
	050029	30.85	29	40.2-40.8	0.944
	050030	31.85	30	41.2-41.8	0.960
	050032	33.85	32	43.2-43.8	1.002
	050034	35.85	34	45.2-45.8	1.038
	050036	37.85	36	47.2-47.8	1.070
	050038	39.85	38	49.2-49.8	1.102
	050040	41.85	40	51.2-51.8	1.134
	050042	43.85	42	53.2-53.8	1.167
	050044	45.85	44	55.2-55.8	1.199
	050046	47.85	46	57.2-57.8	1.231
	050048	49.85	48	59.2-59.8	1.264
	050050	51.85	50	61.2-61.8	1.296



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