

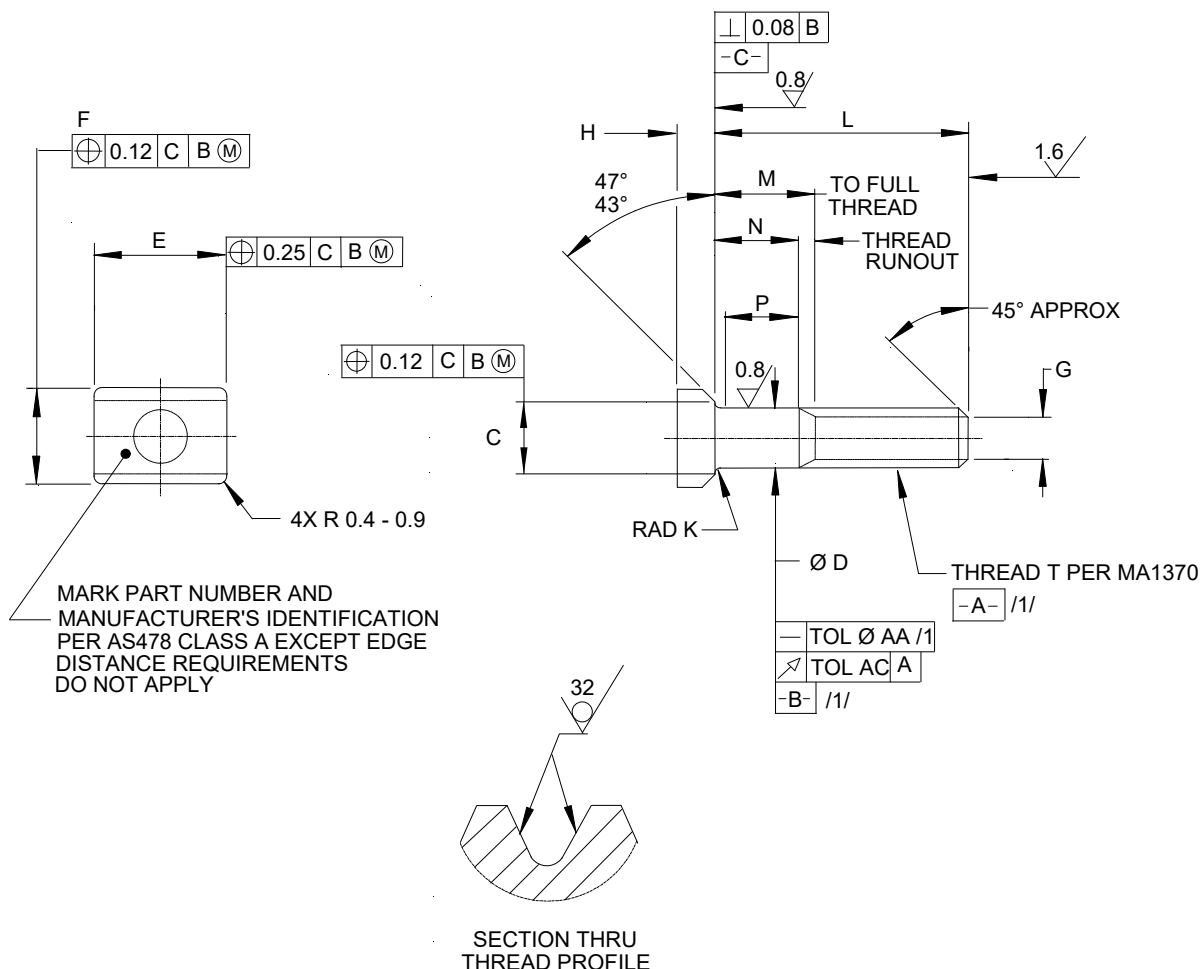
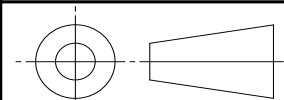


FIGURE 1

WHEN SHANK LENGTH P ($P = N - 1.5$) IS LESS THAN THD NOM DIA, THE RUNOUT OF SHANK ΦD RELATIVE TO DATUM **A** SHALL BE MEASURED AT A DISTANCE OF HALF OF THE ACTUAL FULL SHANK LENGTH FROM END OF INCOMPLETE THREAD.

For more information on this standard, visit
<https://www.sae.org/standards/content/MA3446B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA3378



METRIC AEROSPACE STANDARD

BOLT, MACHINE - TEE HEAD, CHAMFERED
CLASSIFICATION: 1210 MPA/730 °C
CLOSE TOL SHANK, UNS N07001, METRIC

MA3446™
SHEET 1 OF 9

REV.
B

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Full document details: SAE MA3446B

SSUED 1990-02	REAFFIRMED 2015-05	REVISED 2021-11
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TABLE 1A - DIMENSIONS D-C

PART NUMBER SEE NOTE 8	NOM DIA REF	THREAD T DESIGNATION	THREAD T MAJOR DIA MOD	D f7 /1/	C
MA3446-050XXX	5	MJ5 x 0.8-4h6h MOD	4.850 - 4.953	4.978 - 4.990	7.0 - 7.2
MA3446-060XXX	6	MJ6 x 1-4h6h MOD	5.820 - 5.953	5.978 - 5.990	8.5 - 8.7
MA3446-070XXX	7	MJ7 x 1-4h6h MOD	6.820 - 6.947	6.972 - 6.987	9.6 - 9.8
MA3446-080XXX	8	MJ8 x 1-4h6h MOD	7.820 - 7.947	7.972 - 7.987	10.8 - 11.0
MA3446-100XXX	10	MJ10 x 1.25-4h6h MOD	9.788 - 9.947	9.972 - 9.987	12.9 - 13.1

TABLE 1B - DIMENSIONS E-AC

NOM DIA REF	E	F	G	H	K	AA	AC
5	11.1 - 11.6	9.0 - 9.3	3.0 - 4.0	2.9 - 3.4	0.3 - 0.5	0.002	0.12
6	12.0 - 12.5	10.5 - 10.8	3.7 - 4.7	3.4 - 3.9	0.5 - 0.7	0.002	0.12
7	13.4 - 13.9	11.6 - 11.9	4.7 - 5.7	4.0 - 4.5	0.5 - 0.7	0.002	0.12
8	14.0 - 14.5	12.8 - 13.1	5.7 - 6.7	4.5 - 5.0	0.5 - 0.7	0.002	0.15
10	16.5 - 17.0	14.9 - 15.2	7.4 - 8.4	5.3 - 5.8	0.6 - 0.8	0.0015	0.15

¹ TOLERANCE GRADE TO ANSI B4.2.



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TABLE 2 - SHANK LENGTH DIMENSIONS

SIZE	DASH NO. SEE NOTE 8	N MIN	M MAX	L LENGTH	APPROX MASS kg/100
MJ5 x 0.8	050003	3	4.85	14.2 - 14.8	0.454
	050004	4	5.85	15.2 - 15.8	0.470
	050005	5	6.85	16.2 - 16.8	0.486
	050006	6	7.85	17.2 - 17.8	0.502
	050007	7	8.85	18.2 - 18.8	0.518
	050008	8	9.85	19.2 - 19.8	0.534
	050009	9	10.85	20.2 - 20.8	0.550
	050010	10	11.85	21.2 - 21.8	0.567
	050011	11	12.85	22.2 - 22.8	0.583
	050012	12	13.85	23.2 - 23.8	0.599
	050013	13	14.85	24.2 - 24.8	0.615
	050014	14	15.85	25.3 - 25.8	0.631
	050015	15	16.85	26.2 - 26.8	0.647
	050016	16	17.85	27.2 - 27.8	0.663
	050017	17	18.85	28.2 - 28.8	0.679
	050018	18	19.85	29.2 - 29.8	0.695
	050019	19	20.85	30.2 - 30.8	0.711
	050020	20	21.85	31.2 - 31.8	0.728
	050021	21	22.85	32.2 - 32.8	0.744
	050022	22	23.85	33.2 - 33.8	0.760
	050023	23	24.85	34.2 - 34.8	0.776
	050024	24	25.85	35.2 - 35.8	0.792
	050025	25	26.85	36.2 - 36.8	0.808
	050026	26	27.85	37.2 - 37.8	0.824
	050027	27	28.85	38.2 - 38.8	0.840
	050028	28	29.85	39.2 - 39.8	0.856
	050029	29	30.85	40.2 - 40.8	0.872
	050030	30	31.85	41.2 - 41.8	0.887
	050032	32	33.85	43.2 - 43.8	0.921
	050034	34	35.85	45.2 - 45.8	0.953
	050036	36	37.85	47.2 - 47.8	0.985
	050038	38	39.85	49.2 - 49.8	1.017
	050040	40	41.85	51.2 - 51.8	1.050
	050042	42	43.85	53.2 - 53.8	1.082
	050044	44	45.85	55.2 - 55.8	1.114
	050046	46	47.85	57.2 - 57.8	1.146
	050048	48	49.85	59.2 - 59.8	1.178
	050050	50	51.85	61.2 - 61.8	1.211


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