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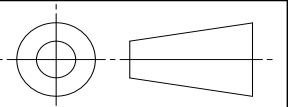
REV. B	RATIONALE THIS NONCURRENT STANDARD HAS BEEN STABILIZED.		FEDERAL SUPPLY CLASS 5306	
SAE MA3304	STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE E-25 GENERAL STANDARDS FOR AEROSPACE AND PROPULSION SYSTEMS COMMITTEE AND WILL NO LONGER BE SUBJECT TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.			
SAE values your input. To provide feedback on this Technical Report, please visit http://www.sae.org/technical/standards/MA3304B			THIRD ANGLE PROJECTION 	ISSUED 1987-12 NONCURRENT 1996-11 REAFFIRMED NONCURRENT 2006-05 STABILIZED 2013-03
CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: NONE		
 An SAE International Group	METRIC AEROSPACE STANDARD BOLT-MACHINE, HEX HEAD, DRILLED, PD SHANK, MJ THREAD, AMS 6322, CADMIUM PLATE, METRIC		 MA3304	REV. B

TABLE I

PART NUMBER SEE NOTE 7	NOM DIA REF	THREAD T	C	K	E MIN	F		G MIN	H
MA3304-030XXX	3	MJ3x0.5-4h6h	1.8 - 2.3	3.1 - 3.4	7.6	6.85 - 7.00	h12	6.5	0.2 - 0.5
MA3304-040XXX	4	MJ4x0.7-4h6h	2.6 - 3.1	3.6 - 3.9	8.7	7.85 - 8.00		7.5	0.2 - 0.5
MA3304-050XXX	5	MJ5x0.8-4h6h	3.0 - 4.0	2.7 - 3.0	9.8	8.78 - 9.00		8.4	0.2 - 0.5
MA3304-060XXX	6	MJ6x1-4h6h	3.7 - 4.7	3.2 - 3.5	12.0	10.73 - 11.00		10.3	0.2 - 0.5
MA3304-070XXX	7	MJ7x1-4h6h	4.7 - 5.7	3.7 - 4.0	13.2	11.73 - 12.00	h13	11.3	0.2 - 0.5
MA3304-080XXX	8	MJ8x1-4h6h	5.7 - 6.7	4.2 - 4.5	15.5	13.73 - 14.00		13.3	0.3 - 0.6
MA3304-100XXX	10	MJ10x1.25-4h6h	7.4 - 8.4	4.7 - 5.0	18.9	16.73 - 17.00		16.3	0.3 - 0.6
MA3304-120XXX	12	MJ12x1.25-4h6h	9.4 - 10.4	5.7 - 6.0	21.1	18.67 - 19.00		18.3	0.3 - 0.6
MA3304-140XXX	14	MJ14x1.5-4h6h	11.1 - 12.1	6.7 - 7.0	24.5	21.67 - 22.00		21.3	0.3 - 0.6
MA3304-160XXX	16	MJ16x1.5-4h6h	13.1 - 14.1	7.7 - 8.0	26.8	23.67 - 24.00		23.3	0.3 - 0.6
MA3304-180XXX	18	MJ18x1.5-4h6h	15.1 - 16.1	8.7 - 9.0	30.2	26.67 - 27.00		26.3	0.3 - 0.6
MA3304-200XXX	20	MJ20x1.5-4h6h	17.1 - 18.1	9.7 - 10.0	33.6	29.67 - 30.00		29.3	0.3 - 0.6

PART NUMBER SEE NOTE 7	NOM DIA REF	J MIN	D	P	R	W	Y	AA MAX	AC	AD	AE H13
MA3304-030XXX	3	6.4	2.52 - 2.78	0.10	0.2 - 0.4	0.15	0.0030	7.25	-	1.55	1.00 - 1.14
MA3304-040XXX	4	7.4	3.39 - 3.65	0.12	0.2 - 0.4	0.20	0.0030	8.25	-	1.80	1.00 - 1.14
MA3304-050XXX	5	8.3	4.32 - 4.58	0.12	0.3 - 0.5	0.25	0.0030	9.25	3.70	1.35	1.00 - 1.14
MA3304-060XXX	6	10.2	5.19 - 5.45	0.12	0.5 - 0.7	0.30	0.0030	11.25	4.50	1.60	1.40 - 1.54
MA3304-070XXX	7	11.2	6.19 - 6.45	0.15	0.5 - 0.7	0.35	0.0030	12.25	4.95	1.85	1.40 - 1.54
MA3304-080XXX	8	13.2	7.19 - 7.45	0.15	0.5 - 0.7	0.40	0.0030	14.25	5.80	2.10	1.40 - 1.54
MA3304-100XXX	10	16.0	9.02 - 9.28	0.15	0.6 - 0.8	0.50	0.0025	17.25	7.10	2.35	1.60 - 1.74
MA3304-120XXX	12	18.0	11.02 - 11.28	0.18	0.6 - 0.9	0.60	0.0025	19.25	7.90	2.85	1.60 - 1.74
MA3304-140XXX	14	21.0	12.85 - 13.11	0.18	0.8 - 1.1	0.70	0.0025	22.25	9.20	3.35	1.60 - 1.74
MA3304-160XXX	16	23.0	14.85 - 15.11	0.18	0.8 - 1.1	0.75	0.0025	24.25	10.05	3.85	1.60 - 1.74
MA3304-180XXX	18	26.0	16.85 - 17.11	0.18	1.0 - 1.3	0.75	0.0025	27.25	11.30	4.35	1.60 - 1.74
MA3304-200XXX	20	29.0	18.85 - 19.11	0.21	1.0 - 1.3	0.75	0.0025	30.25	12.60	4.85	1.60 - 1.74

TABLE II

L LENGTH	MJ3x0.5-4h6h				MJ4x0.7-4h6h			
	DASH NO. SEE NOTE	M MAX	N MIN	APPROX MASS kg/100	DASH NO. SEE NOTE	M MAX	N MIN	APPROX MASS kg/100
3.7 - 4.3	030004	1.4	0.4	0.111	-	-	-	-
5.7 - 6.3	030006	1.4	0.4	0.119	040006	1.8	0.4	0.189
7.7 - 8.3	030008	1.4	0.4	0.126	040008	1.8	0.4	0.203
9.7 - 10.3	030010	1.4	0.4	0.135	040010	1.8	0.4	0.218
11.7 - 12.3	030012	1.4	0.4	0.144	040012	1.8	0.4	0.232
13.7 - 14.3	030014	2.0	0.4	0.153	040014	1.8	0.4	0.247
15.7 - 16.3	030016	4.0	1.5	0.161	040016	2.0	0.4	0.261
17.7 - 18.3	030018	6.0	3.5	0.170	040018	4.0	1.1	0.276
19.7 - 20.3	030020	8.0	5.5	0.179	040020	6.0	3.1	0.291
21.7 - 22.3	030022	10.0	7.5	0.188	040022	8.0	5.1	0.305
23.7 - 24.3	030024	12.0	9.5	0.196	040024	10.0	7.1	0.320
25.7 - 26.3	030026	14.0	11.5	0.205	040026	12.0	9.1	0.334
27.7 - 28.3	030028	16.0	13.5	0.214	040028	14.0	11.1	0.349
29.7 - 30.3	030030	18.0	15.5	0.223	040030	16.0	13.1	0.364
31.7 - 32.3	030032	20.0	17.5	0.231	040032	18.0	15.1	0.378
33.7 - 34.3	030034	22.0	19.5	0.240	040034	20.0	17.1	0.393
35.7 - 36.3	030036	24.0	21.5	0.249	040036	22.0	19.1	0.407
37.7 - 38.3	030038	26.0	23.5	0.250	040038	24.0	21.1	0.422
39.7 - 40.3	030040	28.0	25.5	0.266	040040	26.0	23.1	0.436
41.7 - 42.3	030042	30.0	27.5	0.275	040042	28.0	25.1	0.451
43.7 - 44.3	-	-	-	-	040044	30.0	27.1	0.466
45.7 - 46.3	-	-	-	-	040046	32.0	29.1	0.480
47.7 - 48.3	-	-	-	-	040048	34.0	31.1	0.495
49.7 - 50.3	-	-	-	-	040050	36.0	33.1	0.509
51.7 - 52.3	-	-	-	-	040052	38.0	35.1	0.524
53.7 - 54.3	-	-	-	-	040054	40.0	37.1	0.539
55.7 - 56.3	-	-	-	-	040056	42.0	39.1	0.553