

FED. SUPPLY CLASS

5306

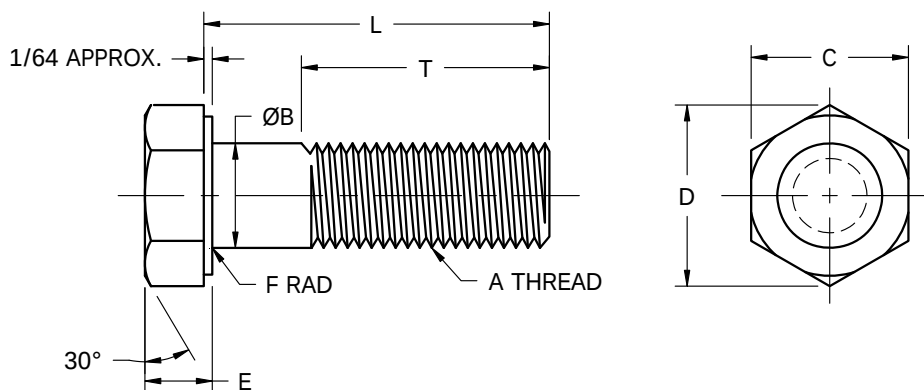


TABLE I – DIMENSIONS

NOMINAL SIZE	A THREADS PER INCH	ØB BODY		C WIDTH ACROSS FLATS		D WIDTH ACROSS CORNERS		E HEAD HEIGHT		F RAD	
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1/4	20 UNC-2A	.250	.217	.437	.425	.505	.484	.163	.150	.031	.009
5/16	18 UNC-2A	.312	.276	.500	.484	.577	.552	.211	.195	.031	.009
3/8	16 UNC-2A	.375	.334	.562	.544	.650	.620	.243	.226	.031	.009
7/16	14 UNC-2A	.437	.394	.625	.603	.722	.687	.291	.272	.031	.009
1/2	13 UNC-2A	.500	.450	.750	.725	.866	.826	.323	.302	.031	.009
5/8	11 UNC-2A	.625	.566	.937	.906	1.083	1.033	.403	.378	.062	.021
3/4	10 UNC-2A	.750	.685	1.125	1.088	1.299	1.240	.483	.455	.062	.021

MATERIAL:

ALUMINUM ALLOY – 6061 (UNS A96061) PER QQ-A-200/8 AMS-QQ-A-200/8.

FINISH:

ANODIZE IN ACCORDANCE WITH MIL-DTL-5541 OR MIL-A-8625.

NOTES:

- (1) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (2) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (3) THREADS SHALL BE UNC-2A IN ACCORDANCE WITH FED-STD-H28.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPSEDES MS16206, REVISION A. PART NUMBERS REMAIN MS16206.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION MIL-DTL-1222	TITLE BOLTS, MACHINE, HEXAGON HEAD, REGULAR, SEMI-FINISHED, ALUMINUM ALLOY, UNC-2A, NON-MAGNETIC	CLASSIFICATION PART STANDARD
		MS16206 SHEET 1 OF 2

- (4) MINIMUM THREAD LENGTH SHALL BE TWICE THE NOMINAL SIZE (DIAMETER) PLUS 1/4 INCH FOR BOLT LENGTHS 6 INCHES AND LESS, AND TWICE THE NOMINAL SIZE PLUS 1/2 INCH FOR BOLT LENGTHS OVER 6 INCHES. BOLTS TOO SHORT FOR MINIMUM THREAD LENGTH SHALL BE THREADED AS CLOSE TO THE HEAD AS PRACTICABLE.
- (5) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (6) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (7) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

TABLE II – MS16206 DASH NUMBERS

L LENGTH	TOLERANCE			1/4		5/16		3/8		7/16		1/2		5/8		3/4	
	SIZES 1/4 - 3/8	SIZES 7/16 - 1/2	SIZES 5/8 - 1 1/4	MS PART NO.	FIIN	MS PART NO.	FIIN	MS PART NO.	FIIN	MS PART NO.	FIIN	MS PART NO.	FIIN	MS PART NO.	FIIN	MS PART NO.	FIIN
1/4				1	-	-	-	-	-	-	-	-	-	-	-	-	-
3/8				2	-	25	-	45	-	71	-	-	-	-	-	-	-
1/2				3	-	26	-	46	-	72	-	96	-	-	-	-	-
5/8				4	-	27	-	47	-	73	-	97	-	-	-	-	-
3/4				5	-	28	-	48	-	74	-	98	-	126	-	155	-
1				6	-	29	-	49	-	75	-	99	-	127	-	156	-
1 1/4				7	-	30	-	50	-	76	-	100	-	128	-	157	-
1 1/2				8	-	31	-	51	-	77	-	101	-	129	-	158	-
1 3/4				9	-	32	-	52	-	78	-	102	-	130	-	159	-
2				10	-	33	-	53	-	79	-	103	-	131	-	160	-
2 1/4				11	-	34	-	54	-	80	-	104	-	132	-	161	-
2 1/2	±1/32	±1/16	±1/8	12	-	35	-	55	-	81	-	105	-	133	-	162	-
2 3/4				13	-	36	-	56	-	82	-	106	-	134	-	163	-
3				14	-	37	-	57	-	83	-	107	-	135	-	164	-
3 1/4				15	-	38	-	58	-	84	-	108	-	136	-	165	-
3 1/2				16	-	39	-	59	-	85	-	109	-	137	-	166	-
3 3/4				17	-	40	-	60	-	86	-	110	-	138	-	167	-
4				18	-	41	-	61	-	87	-	111	-	139	-	168	-
4 1/4				19	-	-	-	62	-	88	-	112	-	140	-	169	-
4 1/2				20	-	-	-	63	-	89	-	113	-	141	-	170	-
4 3/4				21	-	-	-	64	-	90	-	114	-	142	-	171	-
5				22	-	-	-	65	-	91	-	115	-	143	-	172	-
5 1/2				-	-	-	-	66	-	92	-	116	-	144	-	173	-
6				-	-	-	-	67	-	93	-	117	-	145	-	174	-
6 1/2				-	-	-	-	-	-	-	-	118	-	146	-	175	-
7				-	-	-	-	-	-	-	-	119	-	147	-	176	-
7 1/2				-	-	-	-	-	-	-	-	120	-	148	-	177	-
8	±1/16	±3/32	±3/16	-	-	-	-	-	-	-	-	121	-	149	-	178	-
9				-	-	-	-	-	-	-	-	122	-	-	-	179	-
10				-	-	-	-	-	-	-	-	123	-	-	-	180	-
11				-	-	-	-	-	-	-	-	-	-	-	-	-	-
12				-	-	-	-	-	-	-	-	-	-	-	-	-	-

① COMPLETELY REVISED

REVISION

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SHEET 2



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