

FED. SUPPLY CLASS

5306

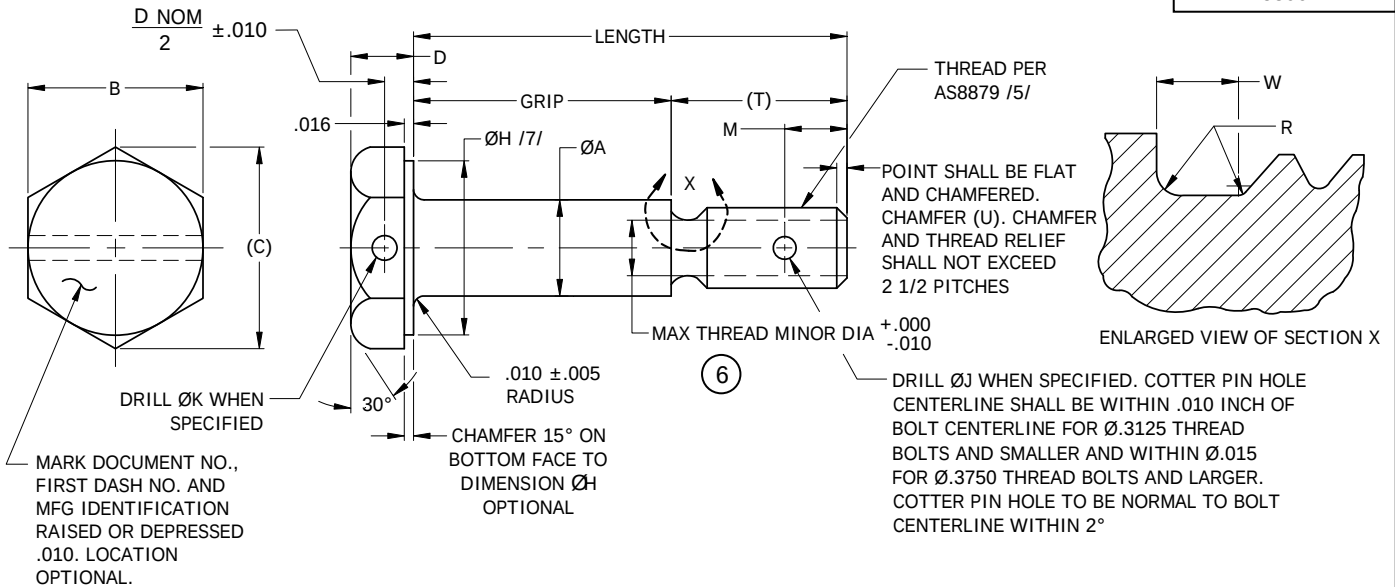


TABLE I - DIMENSIONS

FIRST DASH NO.	THREAD /5/	ØA	B ACROSS FLATS	(C)	D HEIGHT	M ±.010	(U)	ØH MIN /7/	ØJ DRILL +.010 / -.000	ØK DRILL +.010 / -.000	(T)	W	R MAX
06	.1380-32 UNJC-3A	.189 .186	.377 .365	.430	.141 .109	-	.016	.335	-	.046	.362	.062 .031	.020
3	.1900-32 UNJF-3A	.249 .246	.440 .428	.510	.172 .140	.163	.016	.398	.070	.046	.362	.062 .031	.020
4	.2500-28 UNJF-3A	.312 .309	.502 .490	.580	.204 .172	.178	.018	.460	.076	.070	.453	.071 .035	.023
5	.3125-24 UNJF-3A	.374 .371	.565 .553	.650	.235 .203	.181	.021	.523	.076	.070	.498	.083 .042	.027
6	.3750-24 UNJF-3A	.437 .433	.627 .615	.720	.266 .234	.197	.021	.585	.106	.070	.607	.083 .042	.027
7	.4375-20 UNJF-3A	.499 .495	.752 .740	.870	.297 .265	.201	.025	.710	.106	.070	.629	.100 .050	.033
8	.5000-20 UNJF-3A	.624 .620	.940 .928	1.090	.360 .328	.216	.025	.898	.106	.070	.770	.100 .050	.033
10	.6250-18 UNJF-3A	.749 .744	1.066 1.053	1.230	.422 .390	.249	.028	1.023	.141	.070	.941	.111 .056	.036

MATERIAL:

ALLOY STEEL; SEE PROCUREMENT SPECIFICATION

HEAT TREATMENT:

HEAT TREATED 125,000-145,000 PSI UTS

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 6
PROCUREMENT SPECIFICATION NASM6812	TITLE BOLT, SHOULDER-HEXAGON HEAD	CLASSIFICATION PART STANDARD
		NAS1297 SHEET 1 OF 3

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
~~PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 15 SEPT. 1977.~~

CODE:

FIRST DASH NUMBER INDICATES THREAD SIZE AS TABULATED.
LETTER BETWEEN FIRST AND SECOND DASH NUMBER SPECIFIES DRILLED HEAD OR SHANK:
D = DRILLED SHANK
H = DRILLED HEAD
DH = DRILLED SHANK AND HEAD
SECOND DASH NUMBER INDICATES GRIP LENGTH AS TABULATED.

EXAMPLE OF PART NUMBER:

NAS1297-5-10 = BOLT, SHOULDER, .3125-24 THREAD, UNDRILLED, .635 GRIP LENGTH
NAS1297-5D10 = BOLT, SHOULDER, .3125-24 THREAD, DRILLED SHANK, .635 GRIP LENGTH
NAS1297-5H10 = BOLT, SHOULDER, .3125-24 THREAD, DRILLED HEAD, .635 GRIP LENGTH
NAS1297-5DH10 = BOLT, SHOULDER, .3125-24 THREAD, DRILLED SHANK AND HEAD, .635 GRIP LENGTH

NOTES:

- (1) BOLTS MAY BE MADE FROM AN3 THRU AN10 FORGED HEADED BLANKS.
- (2) DIMENSIONS APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (3) ROLLED OR CUT THREADS OPTIONAL.
- (4) REMOVE ALL BURRS AND SHARP EDGES.
- /5/ ~~BOLT MANUFACTURERS MAY SUPPLY BOLTS WITH MIL-S-7742 THREADS UNTIL DECEMBER 31, 1969.~~
BOLTS WITH MIL-S-7742 THREADS MAY BE USED UNTIL STOCK IS DEPLETED.
- (6) DIMENSIONS IN INCHES.
- /7/ ØH MAXIMUM NOT TO EXCEED ACTUAL WIDTH ACROSS FLATS.
- (8) SECOND DASH NUMBER INDICATES GRIP LENGTH IN .0625 INCREMENTS + .010. INTERMEDIATE OR LONGER GRIP LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBERS ONLY.
- ⑥ (9) 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.
- (10) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- ⑥ (11) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- ⑥ (12) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

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NAS1297
SHEET 2



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