

FED. SUPPLY CLASS

5306

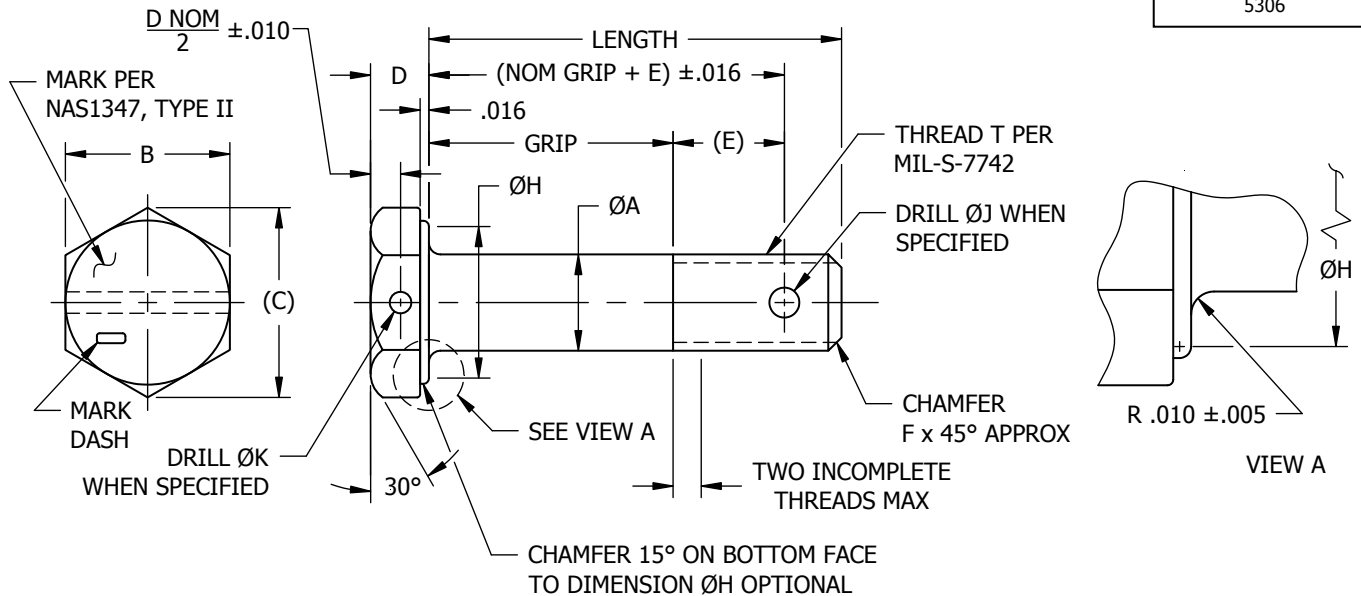


TABLE I - DIMENSIONS

DIA DASH NO.	THREAD T	ØA	B	(C)	D ±.016	(E)	F ±.016	ØH MIN	ØJ DRILL	ØK DRILL	TENSILE STRENGTH LB MIN /1/
3	.1900-32 NF-3A	.189 $\begin{smallmatrix} +.000 \\ -.003 \end{smallmatrix}$	.375 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	.430	.125	.266	.031	.335	.070	.046	1,700
4	.2500-28 UNF-3A	.249 $\begin{smallmatrix} +.000 \\ -.003 \end{smallmatrix}$	.438 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	.510	.156	.312	.031	.398	.076	.046	3,090
5	.3125-24 UNF-3A	.312 $\begin{smallmatrix} +.000 \\ -.003 \end{smallmatrix}$	.500 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	.580	.188	.359	.047	.460	.076	.070	4,930
6	.3750-24 UNF-3A	.374 $\begin{smallmatrix} +.000 \\ -.003 \end{smallmatrix}$	.563 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	.650	.219	.438	.047	.523	.106	.070	7,460
7	.4375-20 UNF-3A	.437 $\begin{smallmatrix} +.000 \\ -.004 \end{smallmatrix}$	.625 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	.720	.250	.484	.047	.585	.106	.070	10,100
8	.5000-20 UNF-3A	.499 $\begin{smallmatrix} +.000 \\ -.004 \end{smallmatrix}$	.750 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	.870	.281	.609	.047	.710	.106	.070	13,600
9	.5625-18 UNF-3A	.562 $\begin{smallmatrix} +.000 \\ -.004 \end{smallmatrix}$	.875 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	1.010	.312	.656	.062	.835	.141	.070	17,300
10	.6250-18 UNF-3A	.624 $\begin{smallmatrix} +.000 \\ -.004 \end{smallmatrix}$	.938 $\begin{smallmatrix} +.002 \\ -.010 \end{smallmatrix}$	1.090	.344	.734	.062	.898	.141	.070	21,800
12	.7500-16 UNF-3A	.749 $\begin{smallmatrix} +.000 \\ -.005 \end{smallmatrix}$	1.063 $\begin{smallmatrix} +.003 \\ -.010 \end{smallmatrix}$	1.230	.406	.875	.062	1.023	.141	.070	31,700
14	.8750-14 UNF-3A	.874 $\begin{smallmatrix} +.000 \\ -.005 \end{smallmatrix}$	1.250 $\begin{smallmatrix} +.003 \\ -.010 \end{smallmatrix}$	1.440	.469	.984	.078	1.210	.141	.070	43,300
16	1.0000-14 NS-3A	.999 $\begin{smallmatrix} +.000 \\ -.006 \end{smallmatrix}$	1.438 $\begin{smallmatrix} +.003 \\ -.010 \end{smallmatrix}$	1.660	.531	1.094	.078	1.398	.141	.070	57,800
18	1.1250-12 UNF-3A	1.124 $\begin{smallmatrix} +.000 \\ -.006 \end{smallmatrix}$	1.625 $\begin{smallmatrix} +.003 \\ -.010 \end{smallmatrix}$	1.880	.594	1.188	.094	1.585	.141	.070	72,700
20	1.2500-12 UNF-3A	1.249 $\begin{smallmatrix} +.000 \\ -.006 \end{smallmatrix}$	1.812 $\begin{smallmatrix} +.003 \\ -.010 \end{smallmatrix}$	2.090	.656	1.375	.094	1.772	.141	.070	91,200

INACTIVE FOR NEW DESIGN AFTER JULY 30, 1993.

SEE NAS1003 THRU 1020. /9/

⑥ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 6
PROCUREMENT SPECIFICATION NOTED	TITLE BOLT, TENSION, HEX HEAD, STABILIZED, NON-MAGNETIC, CRES, 85 KSI Ft_u	CLASSIFICATION PART STANDARD
		DIAS501 SHEET 1 OF 4

MATERIAL:

CRES 321 OR 347 PER AMS5645 (UNS S32100) OR AMS5646 (UNS S34700)

FINISH:

MACHINED BOLTS – NONE
BOLTS SCALED IN PROCESS – PASSIVATE

CODE:

ADD "A" AFTER DASH NUMBER FOR UNDRILLED BOLT.
ADD "H" BEFORE DASH NUMBER AND "A" AFTER DASH NUMBER FOR BOLT WITH DRILLED HEAD ONLY
GRIP LENGTHS IN ADDITION TO THOSE TABULATED IN TABLE II ARE AVAILABLE IN .125 INCH
INCREMENTS BY THE USE OF SIGNIFICANT DASH NUMBERS.

EXAMPLES OF PART NUMBER:

NAS501-6-10 = .3750-24 CRES BOLT, 1.078 LONG, .438 GRIP WITH DRILLED SHANK ONLY.
NAS501-6H10A = .3750-24 CRES BOLT, 1.078 LONG, .438 GRIP WITH DRILLED HEAD ONLY.
NAS501-6-10A = .3750-24 CRES BOLT, 1.078 LONG, .438 GRIP WITH UNDRILLED HEAD AND SHANK.

NOTES:

- /1/ ULTIMATE TENSILE STRENGTH IS BASED ON A NON-DRILLED FED-STD-H28/2 THREAD AREA AND 85,000 PSI. FOR BOLTS WITH CROSS-DRILLED THREADS, A REDUCED SECTION SPECIMEN MAY BE MACHINED FROM THE PART AND TESTED TO VERIFY THAT BASIC MATERIAL PROPERTIES MEET OR EXCEED 85,000 PSI MINIMUM.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) REMOVE ALL BURRS AND SHARP EDGES.
- (4) DIMENSIONS IN INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS ± 0.010 , ANGLES $\pm 5^\circ$
- (5) MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH $H = 200$ OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A 342/A 342M, TEST METHOD 3.
- (6) REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- (7) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /9/ FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.

PROCUREMENT SPECIFICATION:

AS7473 EXCEPT TENSILE STRENGTH AS TABULATED HEREIN.

INACTIVE FOR NEW DESIGN AFTER JULY 30, 1993.
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REVISION

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Documents

SHEET 2

Document Sharing Hub

