

FED. SUPPLY CLASS

5306

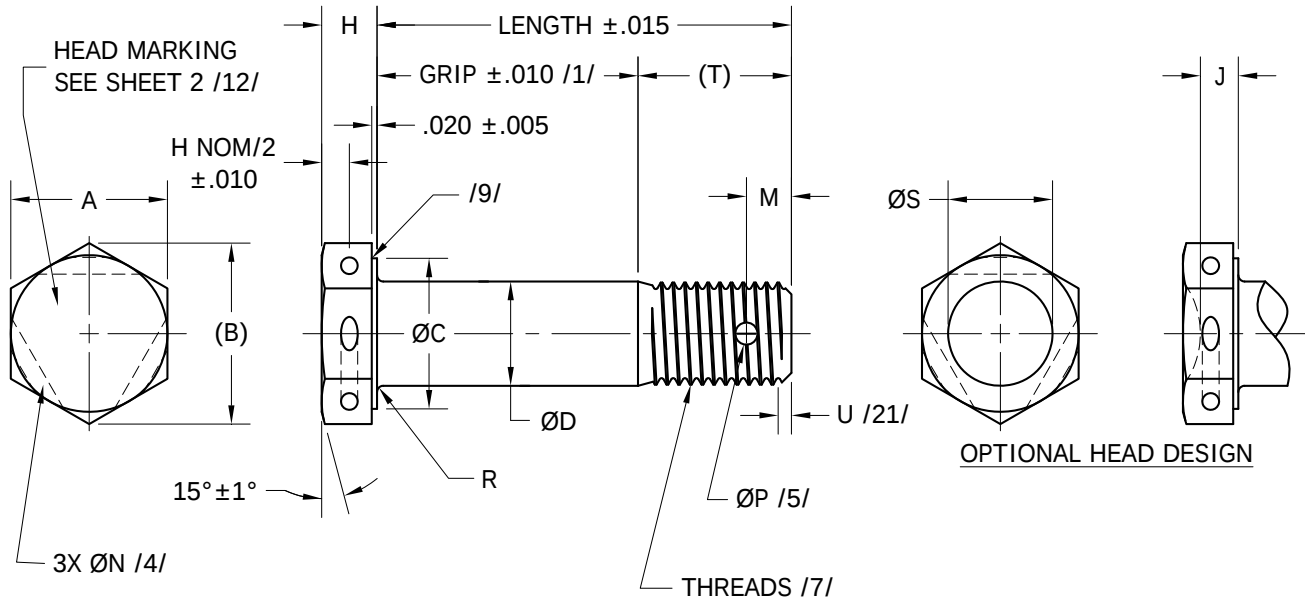


TABLE I – DIMENSIONS

BASIC PART NUMBER	NOMINAL THREAD SIZE UNJF-3A	A	(B) /6/	ØC MIN /9/	ØD	H +.015 -.000	J	M ± .010	ØN +.010 -.000 /4/
NAS673	.1900-32	.376 .367	.43	.335	.1895 .1890	.110	.088 .073	.163	.046
NAS674	.2500-28	.439 .430	.51	.398	.2495 .2490	.125	.098 .083	.181	.046
NAS675	.3125-24	.502 .492	.58	.460	.3120 .3115	.156	.119 .104	.181	.070
NAS676	.3750-24	.564 .553	.65	.523	.3745 .3740	.188	.140 .125	.201	.070
NAS677	.4375-20	.690 .679	.79	.648	.4370 .4365	.219	.161 .146	.201	.070
NAS678	.5000-20	.752 .741	.87	.710	.4995 .4990	.250	.182 .167	.216	.070

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THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
7

PROCUREMENT
SPECIFICATION
NAS621

TITLE
**BOLT, TENSION, HEXAGON HEAD, CLOSE TOLERANCE,
6Al-4V TITANIUM ALLOY, 160 KSI Ft_u**

CLASSIFICATION
PART STANDARD

NAS673 THRU
NAS678
SHEET 1 OF 4

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 09-01

ISSUE DATE: JULY 1956 REVISION DATE: OCTOBER 31, 2012

TABLE I – DIMENSIONS (CONTINUED)

BASIC PART NUMBER	ØP +.010 -.000 /5/ /13/	R RAD	ØS	(T) /6/	U MAX /21/	X /2/	Y /2/	Z /3/
NAS673	.070	.020 .010	.200 .180	.338	.016	.005	.0045	.0040
NAS674	.076	.025 .015	.260 .240	.425	.018	.006	.0045	.0030
NAS675	.076	.030 .020	.320 .300	.469	.021	.008	.0045	.0030
NAS676	.106	.030 .020	.390 .370	.578	.021	.009	.0060	.0025
NAS677	.106	.030 .020	.450 .430	.594	.025	.010	.0060	.0025
NAS678	.106	.030 .020	.510 .490	.735	.025	.011	.0060	.0020

MATERIAL: TITANIUM ALLOY - 6Al-4V (UNS R56400) PER AMS4928 OR AMS4967. SEE PROCUREMENT SPECIFICATION.

~~TITANIUM ALLOY - 4Al-4Mn (UNS R56440). /8/~~

HEAT TREAT: DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2801. SEE PROCUREMENT SPECIFICATION.

TITANIUM (6Al-4V): 160 KSI Ft_u MIN.; 95 KSI F_{su} MIN.

~~TITANIUM (4Al-4Mn): 150,000 PSI U_{ts} MIN. /8/~~

FINISH: NO PROTECTIVE FINISH REQUIRED.

CODE: DASH NUMBER DESIGNATES GRIP AND LENGTH IN .0625 INCREMENTS (CONVERTED TO THREE DECIMAL PLACES PER ANSI Y14.5-1982).

~~NO LETTER BEFORE DASH NUMBER INDICATES 4Al-4Mn TITANIUM ALLOY. /8/~~

ADD "V" BEFORE DASH NUMBER TO INDICATE 6Al-4V MATERIAL

ADD "D" AFTER DASH NUMBER TO INDICATE DRILLED THREADS

ADD "H" AFTER DASH NUMBER TO INDICATE DRILLED HEAD

WHEN MULTIPLE LETTER CODES ARE USED, SEQUENCE SHALL BE IN ALPHABETICAL ORDER.

SEE SHEET 4 FOR TABULATIONS OF GRIP AND LENGTH DIMENSIONS.

HEAD MARKING: IDENTIFY PER NAS1347, TYPE IV. ~~MARK BASIC PART NUMBER, MATERIAL CODE, DASH NO. AND MANUFACTURERS SYMBOL RAISED OR DEPRESSED .010 MAX EXCEPT THE DASH NO. MAY BE OMITTED FROM THE NO. 10 SIZE AND NAS MAY BE OMITTED FROM NO. 10, 1/4, AND 5/16 SIZES. ARRANGEMENT OPTIONAL. /12/~~

EXAMPLES OF PART NUMBERS:

NAS674 10	~~BOLT, 4Al-4Mn TITANIUM ALLOY, .2500-28 THREAD .625 GRIP, UNDRILLED HEAD, UNDRILLED THREADS. /8/~~
NAS674V10	BOLT, 6Al-4V TITANIUM ALLOY, .2500-28 THREAD .625 GRIP, UNDRILLED HEAD, UNDRILLED THREADS.
NAS674V10D	BOLT, 6Al-4V TITANIUM ALLOY, .2500-28 THREAD .625 GRIP, UNDRILLED HEAD, DRILLED THREADS.
NAS674V10DH	BOLT, 6Al-4V TITANIUM ALLOY, .2500-28 THREAD .625 GRIP, DRILLED HEAD, DRILLED THREADS.

REVISION

7

NAS673 THRU
NAS678
SHEET 2



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