

FED. SUPPLY CLASS

5306

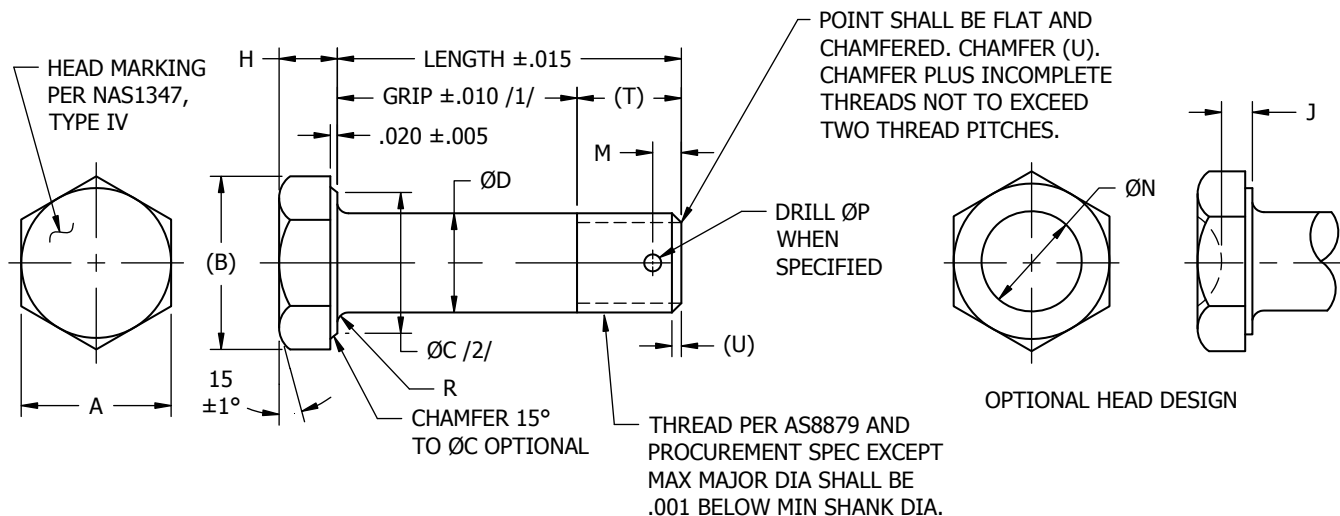


TABLE I – DIMENSIONS

BASIC PART NUMBER	THREAD UNJF-3A	A	(B)	ØC MIN /2/	ØD +.0000 - .0005	H +.015 - .000	J	M ±.010	ØN	ØP +.010 - .000	R RAD	(T)	(U)	INSPECTION DATA		
														X /5/	Y /5/	Z /6/
NAS1266	.5625-18	.877 .865	1.01	.835	.5615	.281	.203 .188	.218	.57 .55	.141	.035 .020	.840	.028	.012	.006	.0020
NAS1267	.6250-18	.940 .928	1.09	.898	.6240	.312	.223 .208	.249	.63 .61	.141	.040 .025	.902	.029	.015	.006	.0020
NAS1268	.7500-16	1.064 1.052	1.23	1.023	.7490	.375	.265 .250	.252	.76 .74	.141	.045 .030	1.041	.031	.018	.009	.0020
/17/ NAS1269	.8750-14	1.252 1.239	1.44	1.210	.8750	.438	.307 .292	.257	.89 .87	.141	.050 .035	1.184	.036	.020	.009	.0020
/17/ NAS1270	1.0000-12	1.440 1.427	1.66	1.398	.9990	.500	.348 .333	.264	1.01 .99	.141	.060 .045	1.309	.042	.022	.009	.0020

MATERIAL:

TITANIUM ALLOY - 6AL-4V (UNS R56400) PER NAS621 NAS4004.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS-H-81200 OR AMS2801:
160 KSI FtU MIN

FINISH:

NO PROTECTIVE FINISH REQUIRED.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 8
PROCUREMENT SPECIFICATION NAS621 NAS4004	TITLE BOLT, TENSION, HEX HEAD, CLOSE TOLERANCE, TITANIUM ALLOY, 160 KSI FtU	CLASSIFICATION PART STANDARD
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CODE:

DASH NUMBER DESIGNATES GRIP AND LENGTH (SEE TABLE II).
ADD "D" AFTER DASH NUMBER TO INDICATE DRILLED SHANK.

EXAMPLES OF PART NUMBER:

NAS1266-10 = .5625 DIA BOLT, .625 GRIP, UNDRILLED SHANK
NAS1266-10D = .5625 DIA BOLT, .625 GRIP, DRILLED SHANK

NOTES:

- /1/ GRIP LENGTH – FROM UNDER SIDE OF HEAD TO END OF FULL CYLINDRICAL PORTION OF SHANK.
- /2/ WASHER FACE – ØC NOT TO EXCEED ACTUAL WIDTH ACROSS FLATS.
- (3) BEARING SURFACE SQUARENESS – WITHIN .003 FIM OF ØD.
- (4) SURFACE ROUGHNESS: HEAD TO SHANK FILLET, THREAD ROOT, THREAD SIDES, THREAD RUN-OUT: 16 MICROINCHES Ra; SHANK AND BEARING SURFACE OF HEAD: 63 MICROINCHES Ra; ALL OTHER SURFACES: 125 MICROINCHES Ra PER ASME B46.1.
- /5/ CONCENTRICITY – "ØC" AND "ØD" WITHIN "X" VALUES FIM.
"ØD" AND THREAD PITCH DIAMETER WITHIN "Y" VALUES FIM.
- /6/ SHANK STRAIGHTNESS – WITHIN "Z" VALUES INCH/INCH FIM.
- (7) REMOVE ALL BURRS AND SHARP EDGES.
- ⑧ ~~(8) PARTS MANUFACTURED TO NAS621 PROCUREMENT SPECIFICATION PRIOR TO JANUARY 1, 2001 MAY BE SUPPLIED TO DEPLETION.~~
- (9) DIMENSIONS IN INCHES.
- /10/ DASH NUMBER INDICATES GRIP LENGTH IN .0625 INCREMENTS. INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBERS ONLY.
- (11) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (12) 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 (13) 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.
- (14) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- ~~(15) BOLTS MANUFACTURERS MAY SUPPLY BOLTS WITH MIL-S-7742 THREADS UNTIL DEC 31, 1972.~~
- (16) BOLTS WITH MIL-S-7742 THREADS MAY BE USED UNTIL STOCKS ARE DEPLETED.
- /17/ NAS1269 AND NAS1270 ARE INACTIVE FOR DESIGN AFTER AUGUST 31, 2010. NO SUPERSEDING STANDARD. THE PROCUREMENT SPECIFICATION DOES NOT CURRENTLY SUPPORT THESE SIZES.
- (18) FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

REVISION

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SHEET 2



Documents

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