

FED. SUPPLY CLASS

5310

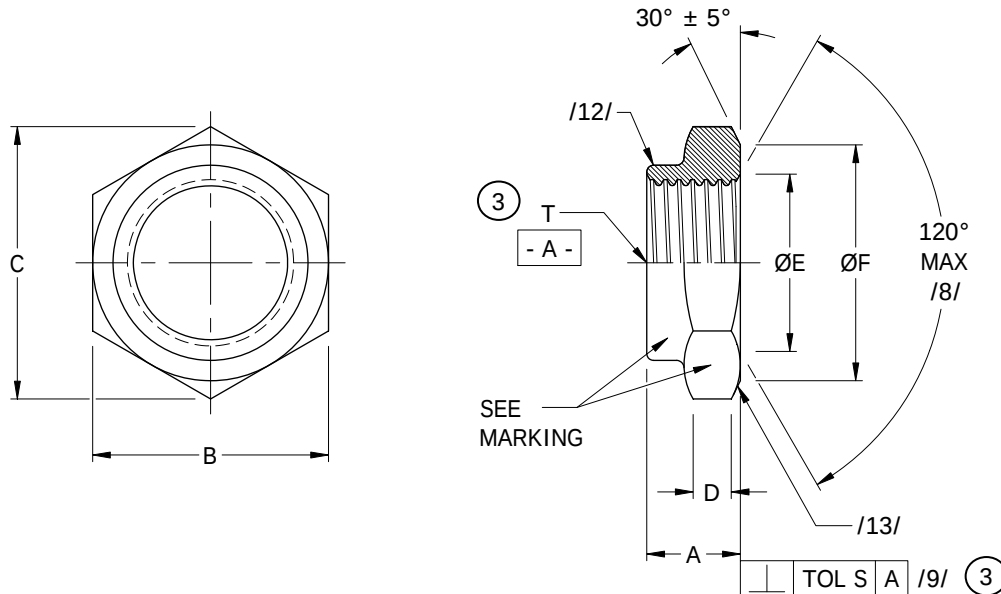


TABLE I – DIMENSIONS AND STRENGTH VALUES

T THREAD UNJF-3B /7/	DASH NUMBER		A MAX	B /11/		C MIN	D MIN	ØE /8/		ØF MIN	S /9/	WEIGHT LBS/100 MAX	AXIAL TENSILE STRENGTH /10/ LBF MIN
	DRY FILM	NON DRY FILM		MAX	MIN			MAX	MIN				
.5000-20	L8	-8	.328	.752	.741	.837	.109	.550	.500	.731	.005	2.50	13,750
.5625-18	L9	-9	.375	.877	.865	.978	.125	.612	.562	.855	.005	3.75	17,400
.6250-18	L10	-10	.407	.940	.928	1.051	.156	.675	.625	.918	.006	4.50	21,800
.7500-16	L12	-12	.422	1.064	1.052	1.191	.172	.800	.750	1.042	.007	5.75	31,600
.8750-14	L14	-14	.485	1.252	1.239	1.403	.206	.925	.875	1.229	.008	8.50	43,150
1.0000-12	L16	-16	.578	1.440	1.427	1.615	.250	1.050	1.000	1.417	.009	14.00	56,000
1.1250-12	L18	-18	.672	1.627	1.614	1.826	.313	1.175	1.125	1.604	.010	17.00	72,000
1.2500-12	L20	-20	.766	1.815	1.801	2.038	.328	1.300	1.250	1.791	.011	29.00	90,000

MATERIAL: **3** ALLOY STEEL - 8740 (UNS G87400) PER MIL-S-6049 OR AMS6322, AMS6325 OR AMS6327, 4340 (UNS G43406) PER MIL-S-5000 AMS6415 OR AMS6484, 4140 (UNS G41400) PER AMS6381, 4130 (UNS G41300) PER MIL-S-18729 OR AMS6345, AMS6350 OR AMS6351, OR 17-22A (UNS K14675) PER AMS6304.

HARDNESS: 41HRC MAX.

FINISH: CADMIUM PLATE PER AMS-QQ-P-416 PLUS AN APPROVED DRY FILM LUBRICANT. TYPE AND CLASS OF PLATING IS OPTIONAL IF LUBRICATED NUTS MEET THE SALT SPRAY REQUIREMENTS OF AMS-QQ-P-416, TYPE II. NON-LUBRICATED NUTS SHALL BE PLATED IN ACCORDANCE WITH AMS-QQ-P-416, CLASS 2, TYPE II.

FORM 12-01	THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
	PROCUREMENT SPECIFICATION NAS3350 CLASS IV		CLASSIFICATION PART STANDARD
		TITLE NUT, SELF-LOCKING, 450 °F, HEXAGON, LOW HEIGHT, 80 KSI	NAS1757 SHEET 1 OF 2

LUBRICATION:

MOLYBDENUM DISULFIDE DRY FILM LUBRICANT IN ACCORDANCE WITH NAS3356.

MARKING:

MANUFACTURER'S SYMBOL PLUS BASIC NAS NUMBER, I.E. NAS1757, ON ALL SIZES.
LOCATION OPTIONAL EXCEPT MUST NOT BE LOCATED ON BEARING FACE.
CHARACTERS ARE TO BE RAISED OR IMPRESSED .010 MAXIMUM.

EXAMPLE OF PART NUMBER:

NAS1757L8 = .5000-20 NUT, ALL METAL CONSTRUCTION OF STEEL, CADMIUM PLATED PLUS AN
APPROVED DRY FILM LUBRICANT FOR 450 °F.
NAS1757-8 = .5000-20 NUT, ALL METAL CONSTRUCTION OF STEEL, CADMIUM PLATED,
WITHOUT DRY FILM LUBRICANT COATING OR ANY OTHER LUBRICANT FOR 450 °F.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) SURFACE ROUGHNESS SHALL BE IN ACCORDANCE WITH ASME B46.1.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) (5) 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.
- (6) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /7/ THREADS BEFORE LUBRICATION PER AS8879.
- /8/ COUNTERSINK, COUNTERBORE OR RADIUS RELIEF TO THREAD WITHIN LIMITS OF "ØE" AND 120° MAX ANGLE.
- /9/ MEASURE IN ACCORDANCE WITH NAS3353.
- /10/ MINIMUM TENSILE STRENGTH WHEN TESTED ON A 160 KSI MINIMUM ULTIMATE TENSILE STRENGTH BOLT.
- /11/ THE DIMENSIONS ACROSS FLATS INCLUDES DEFORMATION OF SELF-LOCKING DEVICE.
- /12/ UPPER THREADED PORTION DEFORMED TO PROVIDE SELF-LOCKING ACTION. TOOL MARKS PERMISSIBLE IN LOCKING AREA. SHAPE OPTIONAL.
- /13/ WASHER FACE, CHAMFER, OR RADIUS OPTIONAL WHEN WITHIN THE 30° ± 5° ANGLE AND ØF.
- (14) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

REVISION

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NAS1757

SHEET 2



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