

USER SYMBOL:

 REVISION SYMBOLS:
 ARMY - MC
 US - 82
 DIA - 15

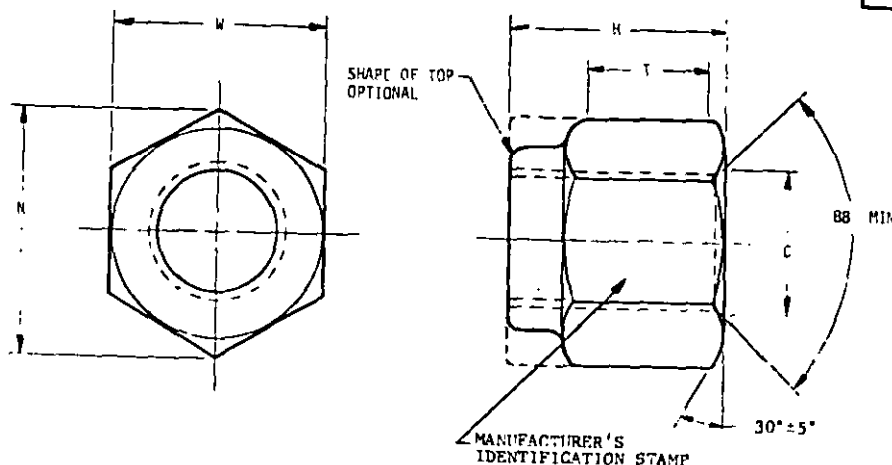
 FED. SUP CLASS
 5310


TABLE 1. NUT DIMENSIONS AND STRENGTHS

DASH NO.	THREAD MIL-S-8879	C .020	H		N MIN	T MIN	W		AXIAL STRENGTH LBS MIN	WEIGHT LBS/100 MAX
			MAX	MIN			MAX	MIN		
1032	10-32UNJF-3B	.210	.250	.202	.413	.085	.376	.367	2,460	0.64
428	1/4-28UNJF-3B	.273	.328	.280	.488	.116	.439	.430	4,580	1.08
524	5/16-24UNJF-3B	.336	.360	.312	.557	.123	.502	.492	7,390	1.56
624	3/8-24UNJF-3B	.398	.469	.428	.628	.153	.564	.553	11,450	2.28
(a) 720	7/16-20UNJF-3B	.467	.469	.421	.698	.178	.627	.615	15,450	3.52
720A							.690	.679		
820	1/2-20UNJF-3B	.531	.610	.562	.840	.221	.752	.741	21,110	4.92
918	9/16-18UNJF-3B	.594	.704	.656	.982	.243	.877	.865	26,810	7.68
1018	5/8-18UNJF-3B	.656	.766	.718	1.051	.274	.940	.928	34,130	9.48
1216	3/4-16UNJF-3B	.787	.891	.843	1.191	.316	1.064	1.052	50,020	13.25
1414	7/8-14UNJF-3B	.918	1.016	.968	1.403	.570	1.252	1.239	68,440	23.40
1612	1-12UNJF-3B	1.044	1.141	1.093	1.615	.635	1.440	1.427	90,000	31.02
(a) 1614	1-14NJF-3B									

(a) INACTIVE FOR DESIGN AFTER 17 NOV 1967.

REQUIREMENTS:

- (E) 1. MATERIAL: HEAT RESISTANT AND CORROSION RESISTANT STEEL IN ACCORDANCE WITH AMS 5642 (UNS S34720, S34723), AMS 5646 (UNS S34700), AMS 5732 (UNS S66286), OR AMS 5737 (UNS S66286).
2. SURFACE COATING: SILVER PLATE IN ACCORDANCE WITH AMS 2410, PLATE THICKNESS ON EXTERNAL SURFACE SHALL NOT BE LESS THAN 0.0002 INCH. THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENTS ON THREADS ARE WAIVED.
3. SURFACE TEXTURE: SURFACE TEXTURE IN ACCORDANCE WITH ANSI B46.1. UNLESS OTHERWISE SPECIFIED SURFACE ROUGHNESS SHALL NOT BE GREATER THAN R_a 125

(E) DENOTES CHANGES

 P.A.
 NAVY - AS
 Other Cust
 USAF-99
 ARMY-AV

(E)

TITLE

NUT, SELF LOCKING, HEXAGON, 1200°F, 125 KSI FTU

 PROCUREMENT SPECIFICATION
 MIL-N-7873

SUPERSEDES:

MILITARY STANDARD

MS 20500

SHEET 1 OF 2

DD FORM 1 MAR 72 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 5310-1524

PLATE NO. 2288

 APPROVED 29 FEB 52
 REVISED 21 APR 53
 22 AUG 86

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AMSC N/A

USED SYMBOLS:

REVIEWER SYMBOLS:

ARMY - M
USAF - R
NIA - TS

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FED. SUP CLASS
5310

NOTES:

1. THREADS IN ACCORDANCE WITH MIL-5-8879.
2. DIMENSIONS ACROSS FLATS INCLUDE DEFORMATION OF SELF-LOCKING DEVICE.
3. THESE NUTS SHALL BE USED IN ACCORDANCE WITH MS33388
4. UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES.
5. BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS.
6. MS20500-720A ITEMS CAN UNIVERSALLY REPLACE THE INACTIVE MS20500-720 ITEMS BUT THE INACTIVE MS20500-720 ITEMS CANNOT ALWAYS REPLACE THE SUPERSEDING MS20500-720A ITEMS.
7. EXAMPLE OF PART NUMBER:

MS20500 - 428 = NUT, SELF-LOCKING, 1/4-28, HEAT RESISTANT AND CRES NUT, SILVER PLATED
 SIZE DASH NO. (SEE TABLE 1)
 MILITARY STANDARD NUMBER

8. QUALIFIED PRODUCTS: ONLY NUTS FOR WHICH THERE ARE QUALIFIED PRODUCTS LISTED ON QPL-7973 SHALL BE USED FOR NEW DESIGN.

(E)

~~9. CERTAIN PROVISIONS TO APPLY TO THE CROSS FLATS DIMENSION OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ABC AIN STD 1772. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIAN WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.~~

10. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
11. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

APPROVED 29 FEB 52 REVISED (E) FOR CHANGES SEE SHEETS 1 & 2

P.A. NAVY — AS Other Cust USAF-99 ARMY-AV	(E)	TITLE NUT, SELF-LOCKING, HEXAGON, 1200°F, 125 KSI FTU	MILITARY STANDARD	
			MS 20500	
PROCUREMENT SPECIFICATION MIL-R-7873		SUPERSEDES:	SHEET	2 OF 2

DD FORM 1 MAR 73 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE NO. 53888