

USER SYMBOL:

REVISION SYMBOLS:  
ARMY - ME  
USAF - 82  
DIA - 15

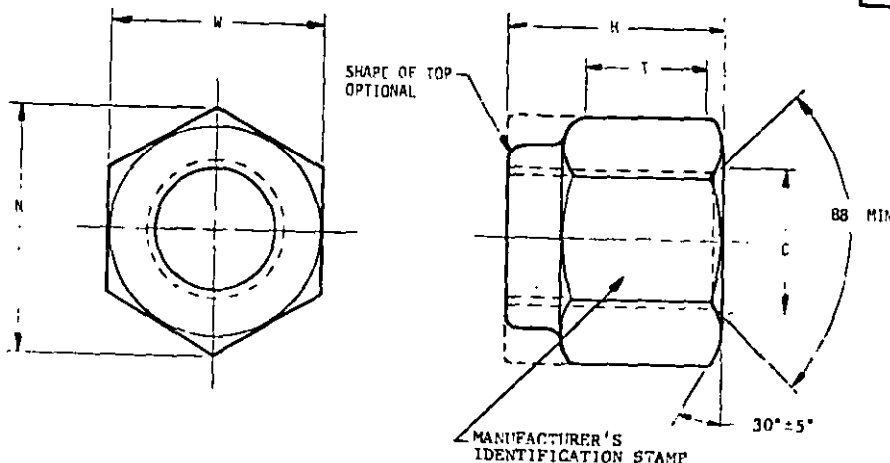


TABLE I. NUT DIMENSIONS AND STRENGTHS

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		.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									
(a) 1514	1-14 NJC-3B	1.044	1.141	1.093	1.615	.635	1.440	1.427	90,000	31.02

(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<sub>a</sub> 125

(E) DENOTES CHANGES

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AMSC N/A

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-N-7873

SUPERSEDES:

SHEET 1 OF 2

APPROVED 29 FEB 52 REVISED 31 APR 53 E 22 AUG 66

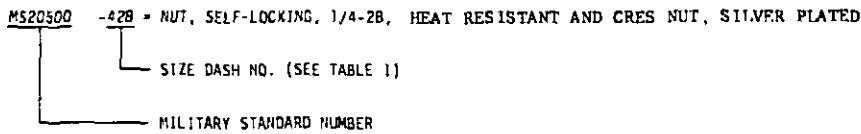
USED SYMBOLS:

REVISOR SYMBOLS:  
ARVY - MC  
USAF - R  
N/A - IS

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 MS33588
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:



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 AIR 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.

"Review/Issue information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DOORS."

This military standard is approved for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

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

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