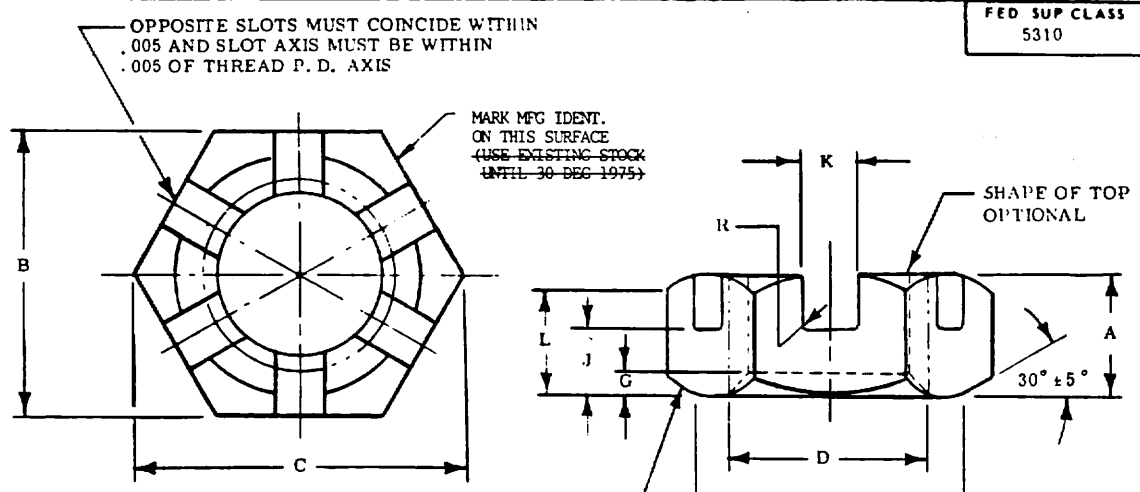


REVIEWER SYMBOLS:  
NAVY - AS  
ARMY - AR, MI



(H) WASHER FACE, CHAMFER OR RADIUS RELIEF TO HEX FLATS OPTIONAL WHEN WITHIN THE 30° ± 5° ANGLE AND "M" DIA LIMITATIONS

NOTES:

- (H) 1. MATERIAL: STEEL UNS G11370 (AISI 1137) PER AMS 5024  
 UNS G11374 (AISI 11L37) PER AMS 5020  
 UNS K22033 (AISI 3135) PER AMS 6330  
 UNS G41300 (AISI 4130) PER AMS 6348  
 UNS G87400 (AISI 8740) PER AMS 6322, 6323, 6325, 6327, 6358.  
 INSERT MATERIAL: NYLON OR EQUIVALENT
- 2. PLATING: CADMIUM PLATING IN ACCORDANCE WITH QO-P-416, TYPE II, CLASS 2.
- 3. BREAK SHARP EDGES AND REMOVE BURRS.
- 4. SURFACE TEXTURE IN ACCORDANCE WITH ANSI B-46.1 SHALL NOT EXCEED 125 MICROINCHES.
- 5. DIMENSIONS IN INCHES.
- 6. DESIGN INFORMATION: THESE NUTS MAY BE USED AT TEMPERATURES 250° F AND BELOW IN THOSE TYPES OF APPLICATIONS FOR WHICH SLOTTED OR CASTELLATED NUTS ARE APPROVED FOR USE; AND IF SUCH APPLICATIONS CONFLICT WITH ANY LIMITATION ON THE USE OF SELF-LOCKING NUTS, AS CITED BY MS33588, THIS STANDARD TAKES PRECEDENCE. NUTS ARE TO BE INSTALLED IN ACCORDANCE WITH MS33588.
- 7. EXAMPLE OF PART NUMBER: MS17826-4-.2500-28 NUT, CADMIUM PLATED.  
 NON-METALLIC INSERT.
- 8. PERFORMANCE: PER MIL-N-25027 EXCEPT FOR:
  - 1 - TABULATED ULTIMATE TENSILE STRENGTH VALUES.
  - (H) 2 - VIBRATION PER MIL-STD-1312-7 (30,000 CYCLES) USING ASSEMBLY TORQUES LISTED IN TABLE I FOR ONE SEATED CYCLE.
  - 3 - LOCKING TORQUE VALUES APPLICABLE FOR ONE CYCLE AT ROOM TEMPERATURE ONLY.

(H) BIDS SHALL BE SOLICITED ONLY FROM THE MANUFACTURERS OR DISTRIBUTORS LISTED ON QPL-25027.

\* CERTAIN PROVISIONS (LIMITS ACROSS FLATS DIMENSION) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION ABC AIR STD 17/2. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL EFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. 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.

(H) DENOTES CHANGES

APPROVED 30 MAR 1962 REVISED 1 JUN 73 8 NOV 74 23 AUG 82 30 NOV 88

AMSC N/A  
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P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST	TITLE NUT, SELF-LOCKING, CASTELLATED, HEXAGON 250 F, THIN NON-METALLIC INSERT	MILITARY STANDARD <b>MS17826</b>
PROCUREMENT SPECIFICATION MIL-N-25027 (SEE PERFORMANCE NOTE)	SUPERSEDES MS17826 (ASG)	SHEET 1 OF 2	

TABLE 1 NUT DIMENSIONS AND STRENGTHS

SIZE DASH NO.	THREAD MIL-S-8879	A		B		C	D	G		J	
		MAX	MIN	MAX	MIN	MIN	MAX	MAX	MIN	MAX	MIN
-3	.1900-32UNJF-3B			.376	.367	.410	.215	.032	.006		
-4	.2500-28UNJF-3B	.203	.173	.439	.430	.482	.275	.036	.007	.114	.094
-5	.3125-24UNJF-3B			.502	.492	.552	.338				
-6	.3750-24UNJF-3B			.564	.553	.622	.400			.130	.110
-7	.4375-20UNJF-3B	.234	.204	.690	.679	.766	.463				
-8	.5000-20UNJF-3B	.265	.235	.752	.741	.837	.525	.050	.010	.161	.141
-9	.5625-18UNJF-3B	.328	.298	.877	.865	.978	.587	.055	.012	.208	.188
-10	.6250-18UNJF-3B			.940	.928	1.051	.650				
-12	.7500-16UNJF-3B	.390	.360	1.064	1.052	1.191	.795	.063	.014	.271	.251
-14	.8750-14UNJF-3B	.453	.423	1.252	1.239	1.403	.900	.072	.016	.333	.313
-16	1.0000-12UNJF-3B	.515	.485	1.440	1.427	1.615	1.025			.396	.376
-18	1.1250-12UNJF-3B	.578	.548	1.627	1.614	1.826	1.150	.083	.018	.427	.407
-20	1.2500-12UNJF-3B	.640	.610	1.815	1.801	2.038	1.275			.489	.469

TABLE 1 (CONT'D)

SIZE DASH NO.	K		L	M		R	ULTIMATE TENSILE STRENGTH LB MIN	TEST WRENCHING TORQUE (INCHES LBS)	ASSEMBLY TORQUE VIBRATION (IN LBS)	WEIGHT LB/100
	MAX	MIN	MIN	MAX	MIN	MAX		MIN	MAX	
-3			.110	.376	.355		1,000	20	16	.340
-4	.108	.078		.439	.418	.035	1,800	45	25	.400
-5			.125	.502	.480		2,900	90	70	.550
-6			.140	.564	.543	.053	4,100	125	100	.750
-7	.155	.125	.130	.690	.675		5,000	225	180	.850
-8			.150	.732	.737		5,600	300	240	1.600
-9			.200	.877	.862		7,800	400	320	3.000
-10			.185	.940	.925		10,000	600	480	4.000
-12			.220	1.064	1.049	.062	15,500	1,100	880	5.850
-14	.187	.157	.288	1.252	1.237		22,800	1,900	1,500	9.150
-16			.333	1.440	1.425		35,500	3,000	2,400	14.300
-18			.384	1.627	1.612		46,300	5,000	4,000	28.200
-20			.429	1.815	1.800		59,200	7,000	5,600	39.300

USER SYMBOLS:  
REVIEWER SYMBOLS:  
NAVY - AS  
ARMY - AR, MI

"Revision/user 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 DODISS."

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P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST *	TITLE NUT, SELF-LOCKING, CASTELLATED, HEXAGON-250 F. THIN NON METALLIC INSERT	MILITARY STANDARD <b>MS17826</b>
PROCUREMENT SPECIFICATION MIL-N-23027 (SEE PROCUREMENT NOTE)		SUPERSEDES MS17826 (ASG)	SHEET 2 OF 2

DD FORM 1 MAR 72 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. SEE NOTE 2 (ASG)

APPROVED 30 MAR 62 REVISED (H) FOR CHANGES SEE SHEET 1