

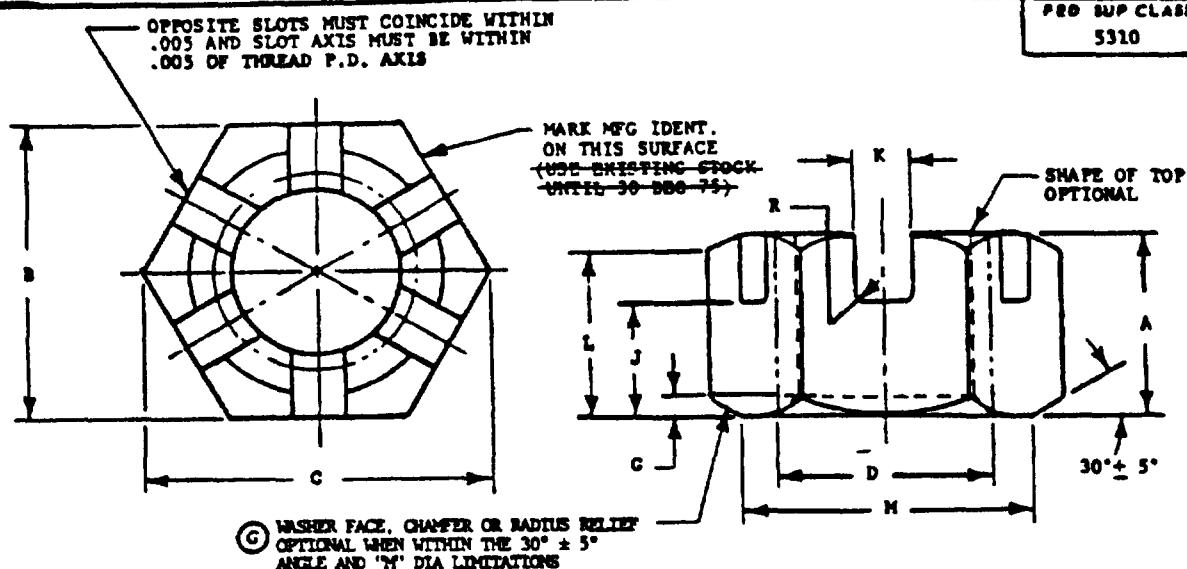
REVISION SYMBOL

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NAVY-AS
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NOTES

- (G) 1. MATERIAL. STEEL UNS G11370 (AISI 1137) PER AMS 5024
UNS G11374 (AISI 11137) PER AMS 5020
UNS G41300 (AISI 4130) PER AMS 6348
UNS G87400 (AISI 8740) PER AMS 6322, 6323, 6325, 6327, and 6358.
- (G) 2. INSERT MATERIAL. NYLON OR EQUIVALENT
- (G) 3. PLATING. CADMIUM PLATING IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2 - PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 1 JANUARY 1975.
4. BREAK ALL SHARP EDGES AND REMOVE BURRS.
5. SURFACE TEXTURE IN ACCORDANCE WITH ANSI B46.1 SHALL NOT EXCEED 125 MICROINCHES
6. DIMENSIONS IN INCHES
7. 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 MS33540.
8. EXAMPLE OF PART NUMBER. MS17825-4= 2500-28 NUT, CADMIUM PLATED, NON-METALLIC INSERT.
9. PERFORMANCE. PER MIL-N-25027 EXCEPT FOR:
1 - TABULATED ULTIMATE TENSILE STRENGTH VALUES.
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

CERTAIN PROVISIONS (LIMITS FOR ACROSS FLAT 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 AFFECT 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.

(G) DENOTES CHANGE

P A NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST *	TITLE	MILITARY STANDARD
		NUT, SELF-LOCKING, CASTELLATED, HEXAGON, 250 NON-METALLIC INSERT	MS17825
PROCUREMENT SPECIFICATION (SEE PERFORMANCE NOTE)		SUPERSEDES MS17825(ASG)	SHEET 1 OF 2

APPROVED: 30 MAR 62 REVISED (D) 1 JUN 73 (E) 8 NOV 74 (F) 23 AUG 82 (G) 30 NOV 88

FED SUP CLASS
5310

TABLE I 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	.1900-32 UNJF-3B	.265	.235	.376	.367	.410	.215	.032	.006	.125	.105
-4	.2500-28 UNJF-3B	.296	.266	.439	.430	.482	.275	.036	.007	.141	.121
-5	.3125-24 UNJF-3B	.343	.313	.502	.492	.552	.338			.188	.168
-6	.3750-24 UNJF-3B	.421	.391	.564	.553	.622	.400	.042	.008	.235	.215
-7	.4375-20 UNJF-3B	.468	.438	.690	.679	.766	.463	.050	.010	.282	.262
-8	.5000-20 UNJF-3B	.578	.548	.752	.741	.837	.525			.375	.355
-9	.5625-18 UNJF-3B	.624	.594	.877	.865	.978	.587	.055	.012	.406	.386
-10	.6250-18 UNJF-3B	.734	.704	.940	.928	1.051	.650			.484	.464
-12	.7500-16 UNJF-3B	.828	.798	1.064	1.052	1.191	.795	.063	.014	.578	.558
-14	.8750-14 UNJF-3B	.921	.891	1.252	1.239	1.403	.900	.072	.016	.672	.652
-16	1.0000-12 UNJF-3B	1.015	.985	1.440	1.427	1.615	1.025			.766	.746
-18	1.1250-12 UNJF-3B	1.171	1.141	1.627	1.614	1.825	1.150	.083	.018	.828	.808
-20	1.2500-12 UNJF-3B	1.265	1.235	1.815	1.801	2.038	1.275			.891	.871

TABLE I (CONT'D)

SIZE DASH NO.	K		L	M		R	ULTIMATE TENSILE STRENGTH LB MIN	TEST WRENCHING TORQUE (INCH LBS)	ASSEMBLY TORQUE VIBRATION (IN LBS)	WEIGHT LB/100
	MAX	MIN	MIN	MAX	MIN	MAX		MIN	MAX	MAX
-3			.110	.376	.355		1,950	35	28	.400
-4	.108	.078	.125	.439	.418	.035	3,500	80	65	.650
-5			.172	.502	.480		5,500	225	180	1.000
-6			.218	.564	.543		9,000	325	260	1.400
-7	.155	.125	.265	.690	.675	.053	12,200	575	460	2.000
-8			.359	.752	.737		16,600	900	720	3.900
-9			.390	.877	.862		21,200	1,100	880	6.900
-10			.468	.940	.925		27,400	1,600	1,300	11.400
-12			.562	1.064	1.049		40,000	2,800	2,200	16.900
-14	.187	.157	.656	1.252	1.237	.062	54,600	4,600	3,700	26.000
-16			.750	1.440	1.425		71,000	6,800	5,400	38.000
-18			.844	1.627	1.612		92,600	10,000	8,000	53.500
-20			.938	1.815	1.800		118,500	14,000	11,000	74.500

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

PA NAVY-AS Other Cust	INTERNATIONAL INTEREST	TITLE NUT SELF-LOCKING CASTELLATED, 1" DIA -250°F, NON METALLIC INSERT	MILITARY STANDARD MS17825
USAF - 99 ARMY - AV	*		
PROCUREMENT SPECIFICATION (SEE PART 100)	SUPERSEDES MS17815(AS)		SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE 101 / 1000

USER SYMBOLS:

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APPROVED 30 MAR 62 REVISED (C) FOR CHANGES SEE SHEET 1 AND 2