

FED. SUP CLASS
5310

USER SYMBOLS:

ARMY - ER, CR
USAF - 99
DLA - IS

REVIEWER SYMBOLS:

ARMY - MI, AR
USAF - 99
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This military standard is approved for use by all Departments
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engineering and design applications and for repetitive use shall
be made from this document.

P.A.
NAVY - AS
Other Cust
USAF - 11
ARMY - AV

PROCUREMENT SPECIFICATION
MIL-N-25027

TITLE

NUT, SELF-LOCKING, 450°F, HEXAGON, REDUCED HEAD HEIGHT,
RING BASE, CORROSION RESISTANT STEEL

SUPERSEDES:

MILITARY STANDARD

MS14222

SHEET 1 OF 2

PLATE NO. 53106

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 5310-1206

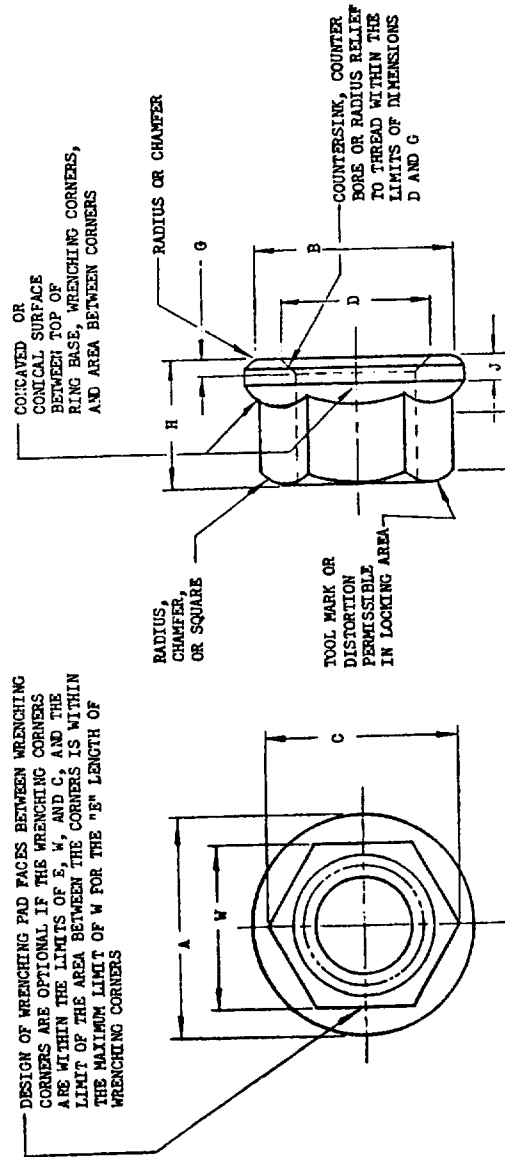


TABLE I

TABLE 1																										
SIZE DASH NO	(a) THREAD	A		B		C		D		E		F		G		H		J		(c) W		(b) X	(f) WRENCHING TORQUE IN LBS	(e) AXIAL STRENGTH LBS MIN	WT LBS/100 MIN	
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN									
04	4-40UNC-3B	.206	.176	.171	.112	.050	.028	.027	.005	.125	.103	.158	.150									11	755	.050		
06	6-32UNC-3B	.211	.207	.168	.138	.055	.039		.111	.115		.190	.181									17	1,136	.080		
08	8-32UNC-3B	.290	.260	.211	.161	.060	.011	.031	.006	.125	.154	.221	.213	.003								23	1,720	.150		
3	10-32UNF-3B	.330	.297	.220	.190	.065	.013		.188			.252	.213									16	2,160	.180		
4	1 1/4-28UNF-3B	.180	.386	.317	.280	.250	.090	.057	.007	.219	.201	.316	.301									115	4,580	.350		
5	5/16-24UNF-3B	.520	.112	.119	.312	.312	.120	.077	.266	.251	.023	.378	.367	.004								260	7,390	.600		
6	3/8-24UNF-3B	.620	.575	.191	.105	.375	.125	.089	.012	.282	.267	.030	.440	.430								450	11,450	.800		

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REQUIREMENTS:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL PER AMS 5525 (A286) OR AIS 5732.
2. FINISH: CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2.
DRY FILM LUBRICANT PER MIL-L-8937.
3. MAGNETIC PERMEABILITY: SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH = 200 OERSTEDS USING A MAGNETIC
PERMEABILITY INDICATOR PER MIL-I-17214.
4. SURFACE TEXTURE: SURFACE ROUGHNESS SHALL BE NOT GREATER THAN 125 MICROINCHES IN ACCORDANCE WITH ANSI B46.1.
5. SURFACE TREATMENT: PASSIVATE PER QQ-P-35.

NOTES:

1. REMOVE ALL SHARP EDGES AND BURRS.
2. DIMENSIONS IN INCHES.
3. DESIGN AND LIMITATIONS SHALL BE IN ACCORDANCE WITH MS33588.
4. EXAMPLE OF PART NUMBER:

MS14222 -4 = 1/4-28UNJF-3B

SIZE DASH NO.
BASIC MS NUMBER

5. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
6. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

APPROVED 27 SEPT 84 REVISED

P.A. NAVY - AS Other Cust USAF - 11 ARMY - AV PROCUREMENT SPECIFICATION MIL-N-25027	TITLE NUT, SELF-LOCKING, 450°F, HEXAGON, REDUCED HEAD HEIGHT, RING BASE, CORROSION RESISTANT STEEL SUPERSEDES:	MILITARY STANDARD MS14222 SHEET 2 OF 2
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