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AMSC N/A

REVIEWER ACTIVITIES  
 ARMY-AR,MI  
 NAVY-AS  
 AIR FORCE-99  
 DLA-1S

USER ACTIVITIES  
 ARMY-AT,CR,ER  
 NAVY-MC,OS

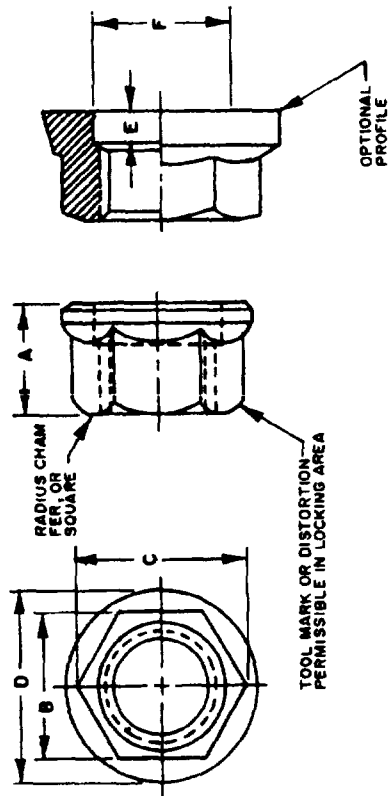


TABLE 1 DASH NUMBERS AND DIMENSIONS.

DASH NO	THREAD	A		B (NOTE 2)		C	D	E	F DIA + .005	APPROX WEIGHT LB/100	AXIAL STRENGTH LB/MIN	WRENCH TOR-IN LB/MAX
		MAX	MIN	MAX	MIN							
-08	.1640-32 UNJC	.175	.125	.190	.181	.244	.290	.077	.188	.09	1,720	40
-3	.1900-32 UNJF	.190	.155	.252	.243	.277	.330	.077	.216	.12	2,460	50
-4	.2500-28 UNJF	.230	.205	.316	.304	.347	.425	.077	.282	.26	4,580	130
-5	.3125-24 UNJF	.280	.250	.378	.367	.419	.525	.077	.347	.51	7,390	250
-6	.3750-24 UNJF	.330	.270	.440	.430	.493	.620	.077	.412	.74	11,450	420
-7	.4375-20 UNJF	.380	.320	.504	.494	.562	.720	.077	.482	1.22	15,450	675
-9	.5000-20 UNJF	.410	.350	.566	.556	.631	.820	.077	.546	1.67	21,110	1,000

PA AIR FORCE-II Other Govt ARMY-AV	INTERNATIONAL INTEREST	TITLE NUT, SELF-LOCKING, EXTENDED WASHER, HEXAGON, REDUCED HEXAGON, C' BORE
PROCUREMENT SPECIFICATION MIL-N-25027	SUPERSEDES	

**MILITARY STANDARD**  
**MS21450**

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DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5310-1511

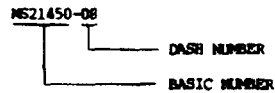
APPROVED 22 JAN 88 REVISED

FED SUP CLASS  
 5310

FED SUP CLASS  
5310

## REQUIREMENTS

1. MATERIAL. CARBON STEEL, GRADES 1020 (UNS G 10200) THRU 1050 (UNS G 10500), AND 1120 (UNS G 11200) THRU 1137 (UNS G 11370) IN ACCORDANCE WITH ASTM A29. ALLOY STEEL, GRADES 4130 (UNS G 41300), 4340 (UNS G 43400), OR 8740 (UNS G 87400) IN ACCORDANCE WITH ASTM A29.
2. PROTECTIVE COATING AND SURFACE TREATMENT. CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2. LUBRICANT: CETYL ALCOHOL, TYPE I, GRADE A IN ACCORDANCE WITH MIL-L-87132.
3. THREADS. BEFORE LUBRICATION PER MIL-S-8879. BEARING SURFACE SHALL BE NORMAL TO THE AXIS OF THE PITCH DIAMETER WHEN MEASURED IN ACCORDANCE WITH MIL-N-25027.
4. HARDNESS. 49HRC, MAXIMUM.
5. SURFACE TEXTURE. SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED SHALL NOT EXCEED 125 MICROINCHES IN ACCORDANCE WITH ANSI-B-46.1.
6. REMOVE ALL SHARP EDGES AND BURRS.
7. NUT SHALL BE TESTED FOR WRENCHING TORQUE BY THE USE OF A BOX OR SOCKET WRENCH.
8. TEST BOLTS SHALL BE 180,000 PSI MINIMUM.
9. EXAMPLE OF PART NUMBER



## NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSION ACROSS FLATS INCLUDE DEFORMATION OF SELF-LOCKING DEVICE.
3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
4. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DoDISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

USFR ACTIVITIES  
ARMY-AT, CR, ER  
NAVY-MC, OSREVIEWER ACTIVITIES  
ARMY-AR, MI  
NAVY-AS  
AIR FORCE-99  
DLA-IS

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PROCUREMENT SPECIFICATION MIL-N-25027	SUPERSEDES	PAGE 2 OF 2	