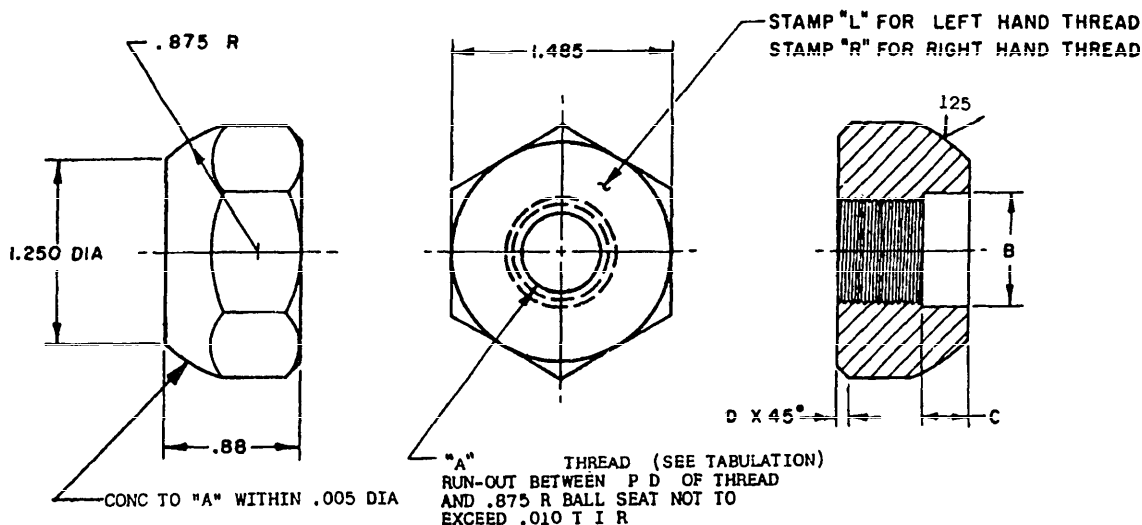


REVIEW ACTIVITIES: ARMY-MI, ER, AF-82; DLA-15
USER ACTIVITIES: ARMY-ME; EL

FED. SUP CLASS
5310



| ALLOY STEEL MS DASH NO. | CARBON STEEL MS DASH NO. | HAND | "A" | "B" | "C" | "D" |
|----------------------------|-----------------------------|-------|-----------|------|-----|-----|
| 1 | 5 | LEFT | 3/4-16- | | .25 | |
| 2 | 6 | RIGHT | UNF-2B | .78 | .31 | .06 |
| 3 | 7 | LEFT | 1 1/8-16- | | .16 | |
| 4 | 8 | RIGHT | UN-2B | 1.16 | .19 | .09 |

| MS PART NO. | FORMER PART NO. |
|-------------|-----------------|
| MS51983-5 | 537802 |
| MS51983-6 | 537801 |
| MS51983-7 | 537806 |
| MS51983-8 | 537805 |

REQUIREMENTS:

1. MATERIAL:
 - A. ALLOY STEEL: STEEL ALLOY 4135, 4137, 4140, ALLOY COMPOSITION SAE 4427, 5135, 5140, 8637, 8640, 8740, PER ASTM A304, A322/A331, ASTM A545, A546, A547, A548, A549 OR MIL-S-46172. HARDEN AND TEMPER TO CORE HARDNESS OF BRINELL 223-277; RESTORE SURFACE CARBON, IF NECESSARY, TO PRODUCE A SURFACE HARDNESS OF ROCKWELL 15N-69.5-84 OR EQUIVALENT.
 - B. CARBON STEEL: SHALL CONFORM TO CHEMICAL COMPOSITION LIMITS SPECIFIED FOR GRADE 5 NUT IN SAE J995, WITH THE EXCEPTION THAT MAXIMUM CARBON SHALL BE 0.35 PER CENT. CASE HARDEN 0.003 TO 0.008 DEEP. SURFACE HARDNESS ROCKWELL 15N-88-90 OR FILE HARD-55 PER SAE J864. 3/4 SIZE SHALL HAVE 45,000 LB MINIMUM PROOF LOAD; 1 1/8 SIZE SHALL HAVE 93,000 LB MINIMUM PROOF LOAD. PROOF LOAD STRESSES SHALL BE TESTED PER SAE J995 OR ASTM A370.
2. PROTECTIVE FINISH: ZINC PLATE PER QQ-Z-325, TYPE II, CLASS 2, OR TYPE II, CLASS 3 OF MIL-C-81562, EXCEPT THREADS WHICH ARE NOT FULLY PLATED. HYDROGEN EMBRITTLEMENT RELIEF REQUIRED WITHIN FOUR HOURS AFTER PLATING.
3. SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2.
4. MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

NOTES:

1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .010$, $\pm 1^\circ$.
2. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
3. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
4. THE USE OF RECYCLED MATERIALS WHICH MEET THE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATION WITHOUT JEOPARDIZING THE INTENDED USE OF THE ITEM SHALL BE ENCOURAGED.

(E) DENOTES CHANGES

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

| | | |
|-----------------------------------|--|-------------------|
| P.A. ARMY-AT | TITLE | MILITARY STANDARD |
| Other Cust AF-11 | NUT, PLAIN, SINGLE BALL SEAT, HEXAGON WHEEL MOUNTING-3/4 AND 1-1/8 INCH | MS51983 |
| PROCUREMENT SPECIFICATION NONE | SUPERSEDES: BRFX1 (IN PART) | SHEET OF |

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5310-1250

APPROVED 3 APRIL 1964 REVISED (A) 10 MARCH 1971 (B) 7 OCTOBER 1971 (C) 22 JULY 1974 (D) 10 JULY 1980 (E) 30 AUG 82