



FED. SUP CLASS  
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**NOTES:**

- (A) 1. MATERIALS:
- (a) Carbon steel, AISI nos. C1015 to C1035, C1112 to C1118 or C1212 to C1215 in accordance with FED-STD-66.
- (b) Corrosion resisting steel, numbers 302, 303 or 304 in accordance with FED-STD-66.
2. HARDNESS:
- (a) Carbon steel nuts shall have a hardness of Rockwell R<sub>B</sub>-66-92.
- (b) Corrosion resisting steel shall have a maximum hardness of Rockwell R<sub>B</sub>90.
- (A) 3. PROTECTIVE COATING:
- (a) Carbon steel nuts are available either zinc plated or unplated. Zinc plated nuts shall be plated in accordance with QQ-Z-325, Type II, Class 3. (Cadmium plating in accordance with QQ-P-416, Type II, Class 3 may be furnished until 2 May 1979.
- (b) Corrosion resisting steel nuts shall be passivated in accordance with QQ-P-35.
4. THREADS: Threads shall be American National Form, Class NS-3B, in accordance with NBS Handbook H28 (1957).
5. SURFACE ROUGHNESS: Surface roughness shall be in accordance with ANSI B46.1-1962.
- (A) 6. MAGNETIC PARTICLE INSPECTION: Inspection shall be in accordance with the procurement specification.
7. DIMENSIONS: All dimensions are in inches. Tolerances; decimals ± .010, angles ± 2° unless otherwise specified.
- (A) 8. PART NUMBER: The MS part number is the MS number, plus the size and the material number. The material numbers are:
- 1 - carbon steel
- 2 - zinc plated carbon steel
- 3 - corrosion resisting steel.
- Examples: MS19068-002
- └─ material number
- └─ size number
- MS19068-0652
- └─ material number
- └─ size number
9. WASHERS: See MS 19070 for applicable key washers. Applicable washers should have size numbers corresponding to nut size numbers: e.g., nut size 00 should be used with washer size number 00.
10. OTHER NOTES:
- (a) For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- (b) 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.

APPROVED 7 Jun 61 REVISED (A) For changes see sheets 1 and 2.

P. A. NAVY-OS <small>Other Cost</small> ARMY-AT AIR Force-11	INTERNATIONAL INTEREST	TITLE  NUTS, PLAIN, ROUND, RETAINING, BALL AND ROLLER BEARING, REGULAR SERIES	MILITARY STANDARD
			MS19068
PROCUREMENT SPECIFICATION MIL-N-21337	SUPERSEDES:	SHEET 2 OF 2	