



TABLE I. DIMENSIONS AND PART NUMBERS.

| NOMINAL SIZE | | .164 | .190 | .250 |
|---------------------|-----------|---------|---------|---------|
| THREADS PER INCH | | 18 | 16 | 14 |
| Ø A - HEAD DIAMETER | MAX | .322 | .375 | .492 |
| | MIN | .306 | .357 | .475 |
| H - HEAD HEIGHT | MAX | .115 | .135 | .175 |
| | MIN | .105 | .12 | .162 |
| L - LENGTH | TOLERANCE | DASH NO | DASH NO | DASH NO |
| .750 | +.031 | 1 | 2 | 4 |
| 1.500 | +.047 | | 3 | |

REQUIREMENTS:

- MATERIAL.** CARBON STEEL SHALL BE IN ACCORDANCE WITH ASTM A29-79 (GRADE 1016 (UNS G10160), GRADE 1018 (UNS G10180), GRADE 1019 (UNS G10190), GRADE 1021 (UNS G10210), GRADE 1022 (UNS G10220) OR ASTM A29-79, GRADE 1024 (UNS G10240) IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- FINISH.** ZINC COATED IN ACCORDANCE WITH ASTM B633-78, P. 2, 5 (5 μ), TYPE II.
- THREADS.** THE THREADS SHALL BE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- RECESS.** THE RECESS SHALL BE IN ACCORDANCE WITH MS9006.
- PART NUMBERS.** THE BASIC MS PART NUMBER IS FOLLOWED BY A DASH NUMBER FROM TABLE I.

EXAMPLE: MS51486-1 - SCREW, TAPPING, THREAD FORMING, TYPE AB PAN HEAD, CROSS-RECESSED, NOMINAL SIZE .164 LENGTH 1.00, ZINC COATED

NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- FOR APPROXIMATE HOLE SIZES SEE MS24632.
- 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 GOVERN THE DATE OF THE ISSUE ADOPTED.
- FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

ARMY - ME, MI
NAVY - MC, OS

DEFENSE ACQUISITION
ARMY - CR, EA
AIR FORCE - 82
DLA - IS
NSA - NS

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

REVISED
APPROVED 1 AUG 84

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|---------------------------|------------|------------------------|---------------------------------|-------------------|
| PA | AR | INTERNATIONAL INTEREST | TITLE | MILITARY STANDARD |
| Other Cust | SH | | SCREW, TAPPING, THREAD FORMING, | |
| | 99 | | TYPE AB, | MS51486 |
| | | | PAN HEAD, CROSS-RECESSED | |
| PROCUREMENT SPECIFICATION | SUPERSEDES | | PAGE | OF |
| FF-S-107 | | | | |