

FED. SUP CLASS
5306

| NOMINAL SIZE | | .3125 | .375 | .4375 | .500 | .625 | .750 | |
|----------------------------|---------------------|---------------------|--------------------|----------|----------|----------------|----------|----------|
| THREADS PER INCH (UNC-2A) | | 18 | 16 | 14 | 13 | 11 | 10 | |
| D BODY DIAMETER | MAX | .312 | .375 | .438 | .500 | .657 | .782 | |
| | MIN | .299 | .360 | .421 | .483 | .606 | .729 | |
| A HEAD DIAMETER | MAX | .605 | .708 | .826 | .945 | 1.147 | 1.303 | |
| | MIN | .578 | .671 | .781 | .890 | 1.094 | 1.250 | |
| | ABS MIN | .563 | .656 | .766 | .875 | 1.063 | 1.219 | |
| B SQUARE WIDTH | MAX | .325 | .387 | .450 | .515 | .640 | .765 | |
| | MIN | .313 | .375 | .438 | .500 | .625 | .750 | |
| F FEED THICKNESS | MAX | .025 | .031 | .036 | .042 | .050 | .050 | |
| R CORNER RADIUS | MAX | .031 | .047 | .047 | .047 | .078 | .078 | |
| S DEPTH OF SQUARE AND HEAD | MAX | .269 | .312 | .364 | .417 | .506 | .541 | |
| | MIN | .243 | .281 | .328 | .375 | .456 | .491 | |
| L LENGTH | TOLERANCE | | | DASH NO. | DASH NO. | DASH NO.* | DASH NO. | DASH NO. |
| | SIZE .3125 AND .375 | SIZE .4375 AND .500 | SIZE .625 AND .750 | | | | | |
| .75 | ±.03 | ±.06 | ±.12 | 1 | 9 | 21 22 23 | 32 | 45 |
| 1.00 | | | | 2 | 10 | | 33 | |
| 1.25 | | | | 3 | 11 | | 34 | |
| 1.50 | | | | 4 | 12 | | | |
| 1.75 | | | | 5 | 13 | | 35 | |
| 2.00 | 6 | 14 | 15 | 24 | 36 | 47 | 56 | |
| 2.25 | | | | 25 | 37 | 48 | 57 | |
| 2.50 | | | | 26 | 38 | 49 | 58 | |
| 2.75 | | | | 27 | 39 | 50 | 59 | |
| 3.00 | | | | 28 | 40 | 51 | 60 | |
| 3.50 | 17 | 29 | 41 | 52 | 61 | | | |

* Dash numbers 21 thru 29 are INACTIVE FOR NEW DESIGN AFTER 20 May 1974.

NOTES:

- MATERIAL:** Carbon steel, commercial, in accordance with the procurement specification or Grade A in accordance with ASTM A307. The minimum ultimate tensile strength shall be 60,000 PSI. (Bolts having a minimum ultimate tensile strength of 55,000 PSI may be furnished until 20 May 1974.)
- PROTECTIVE COATING:** Cadmium plated in accordance with QQ-P-416, Type II, Class 3 or MIL-C-81562, Type II, Class 3; or zinc coated in accordance with QQ-Z-325, Type II, Class 3 or MIL-C-81562, Type II, Class 3.
- THREADS:** The threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H28.
- THREAD LENGTH:** Minimum full form thread length shall be twice the nominal size plus 0.25 inch for bolt lengths of 6.00 inch and shorter, and twice the nominal size plus 0.50 inch for longer lengths. Bolts too short for minimum thread length shall have full form threads extending as close to the neck as practicable, and shall be within 2-1/2 pitches from the neck.
- DIMENSIONS:** All dimensions are in inches, unless otherwise specified. Dimensions not shown shall be in accordance with ANSI B18.5.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
Example: MS35754-1.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.

| | | |
|---------------------------------------|------------------------------------------------------------------------------------------|-------------------------------|
| P. A. WC Other Cust 82 | TITLE BOLT, SQUARE NECK, COUNTERSUNK (PLOW), STEEL, CADMIUM OR ZINC PLATED, UNC-2A | MILITARY STANDARD MS 35754 |
| PROCUREMENT SPECIFICATION FF-B-584 | SUPERSEDES BADX series | SHEET 1 OF 1 |

DD FORM 672-1 (COORDINATED) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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.

APPROVED 30 OCT 1956 REVISED (A) 13 SEP 1966 (B) 20 MAY 1974