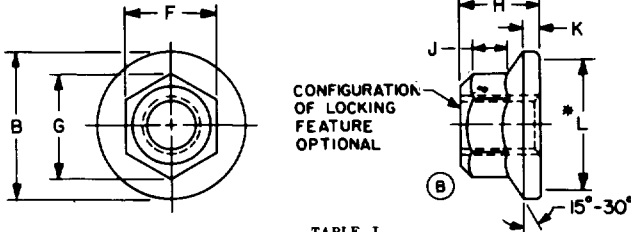


FED. SUP CLASS
5310



CONFIGURATION OF LOCKING FEATURE OPTIONAL

TABLE I

| DASH NO. | NOMINAL SIZE | THREADS PER INCH (-2B) | B FLANGE DIA | F WIDTH ACROSS FLATS | | G WIDTH ACROSS CORNERS | | H HEIGHT | J WRENCH-ING LENGTH | K FLANGE THICKNESS | | L* BEARING DIA | |
|----------|--------------|------------------------|--------------|----------------------|-------|------------------------|------|----------|---------------------|--------------------|-----|----------------|------|
| | | | MAX | NOM | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | |
| 1 | #10 (.190) | 24UNC 32UNF | .500 | 3/8 | .3760 | .362 | .433 | .413 | .244 | .12 | .04 | .02 | .410 |
| 3 | 1/4 (.2500) | 20UNC 28UNF | .560 | 7/16 | .4385 | .428 | .505 | .488 | .300 | .14 | .06 | .04 | .484 |
| 5 | 5/16 (.3125) | 18UNC 24UNF | .680 | 1/2 | .5020 | .489 | .577 | .557 | .365 | .17 | .07 | .05 | .602 |
| 7 | 3/8 (.3750) | 16UNC 24UNF | .810 | 9/16 | .5645 | .551 | .650 | .628 | .425 | .20 | .08 | .06 | .730 |
| 9 | 7/16 (.4375) | 14UNC 20UNF | .930 | 11/16 | .6895 | .675 | .794 | .768 | .495 | .23 | .09 | .07 | .846 |
| 11 | 1/2 (.5000) | 13UNC 20UNF | 1.070 | 3/4 | .7520 | .736 | .866 | .840 | .555 | .26 | .10 | .08 | .982 |

NOTES:

- MATERIAL:** Steel, grade C, in accordance with procurement specification.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
- THREADS:** The threads shall be as specified in the procurement specification.
- DIMENSIONS:** All dimensions in Table I are in inches and in Table II are in millimeters (MM), unless otherwise specified.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
Example: MS51988-1.
- Referenced documents shall be of the issue in effect on date of invitation for bids.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Minimum bearing diameter must be flat to concave within 2 degrees when assembled without clamp load on an externally threaded part so that at least two threads project through the nut.

TABLE II
METRIC TRANSLATION OF TABLE I

| DASH NO. | NOMINAL SIZE | | THDS. PER 25.4 MM (-2B) | B FLANGE DIA | F WIDTH ACROSS FLATS | | G WIDTH ACROSS CORNERS | | H HEIGHT | J WRENCH-ING LENGTH | K FLANGE THICKNESS | | L* BEARING DIA | |
|----------|--------------|--------|-------------------------|--------------|----------------------|--------|------------------------|--------|----------|---------------------|--------------------|------|----------------|--------|
| | INCH | MM | | MAX | NOM | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | |
| 1 | #10 | 4.826 | 24UNC 32UNF | 12.700 | 9.525 | 9.550 | 9.195 | 10.998 | 10.490 | 6.198 | 3.05 | 1.02 | .51 | 10.414 |
| 3 | 1/4 | 6.350 | 20UNC 28UNF | 14.224 | 11.112 | 11.138 | 10.871 | 12.827 | 12.395 | 7.620 | 3.56 | 1.52 | 1.02 | 12.294 |
| 5 | 5/16 | 7.938 | 18UNC 24UNF | 17.272 | 12.700 | 12.751 | 12.421 | 14.656 | 14.148 | 9.271 | 4.32 | 1.78 | 1.27 | 15.291 |
| 7 | 3/8 | 9.525 | 16UNC 24UNF | 20.574 | 14.288 | 14.338 | 13.995 | 16.510 | 15.951 | 10.795 | 5.08 | 2.03 | 1.52 | 18.542 |
| 9 | 7/16 | 11.112 | 14UNC 20UNF | 23.622 | 17.462 | 17.513 | 17.145 | 20.168 | 19.507 | 12.573 | 5.84 | 2.29 | 1.78 | 21.488 |
| 11 | 1/2 | 12.700 | 13UNC 20UNF | 27.178 | 19.050 | 19.101 | 18.694 | 21.996 | 21.336 | 14.097 | 6.60 | 2.54 | 2.03 | 24.943 |

P.A. WC

Other Cost

PROCUREMENT SPECIFICATION
MIL-N-45913

TITLE

NUT, SELF-LOCKING, FLANGED-PREVAILING-TORQUE, STEEL, CADMIUM, UNC AND UNF, (IN./MM)

SUPERSEDES:

MILITARY STANDARD

MS51988

SHEET 1

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 22 NOV 1965
 REVISED (A) 15 MAR 1967
 (B) 22 JUN 1970

This military standard is mandatory 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.

REVIEWER: IS, MI, NSA
USER: AS, AT, AV, MC, OS, SH