

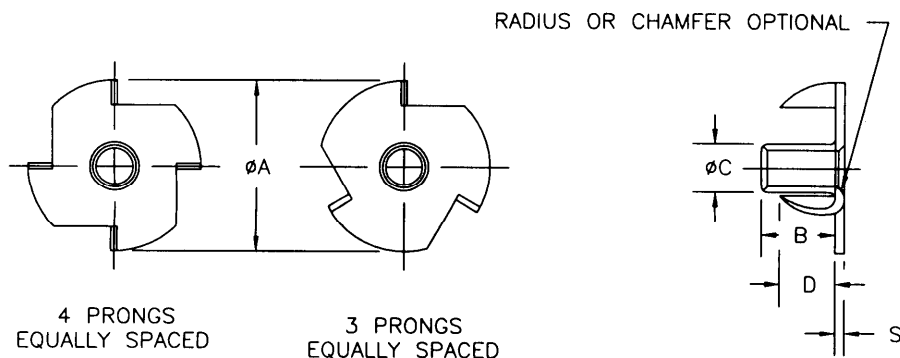
A-A-55625
 19 APRIL 1997
 SUPERSEDING
 MS51941B
 28 FEB 85

COMMERCIAL ITEM DESCRIPTION

NUT, PLAIN, PLATE

THE GENERAL SERVICES ADMINISTRATION HAS AUTHORIZED THIS COMMERCIAL ITEM DESCRIPTION FOR ALL FEDERAL AGENCIES. THIS CID SUPERSEDES MS51941.

1. SCOPE: THIS COMMERCIAL ITEM DESCRIPTION (CID) DEPICTS THE REQUIREMENTS FOR A LOW-CARBON STEEL, PRONGED PLATE NUT.
2. SALIENT CHARACTERISTICS.
 - 2.1 MATERIAL SHALL BE CARBON STEEL, GRADE 1008 OR 1010 (UNS G10080 OR G10100), IN ACCORDANCE WITH ASTM A109.
 - 2.2 PROTECTIVE COATING SHALL BE:
 CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 3 OR ASTM B766, TYPE II, CLASS 5
 ZINC PLATE IN ACCORDANCE WITH ASTM B633, TYPE II, Fe/Zn 5.
 - 2.3 CODES FOR PLATING:
 CADMIUM PLATE - NO CODE
 ZINC PLATE - "G" CODE
 - 2.4 THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2.



BENEFICIAL COMMENTS, RECOMMENDATIONS, ADDITIONS, DELETIONS, CLARIFICATIONS, ETC., AND DATA WHICH MAY IMPROVE THIS DOCUMENT SHOULD BE SENT TO: DEFENSE INDUSTRIAL SUPPLY CENTER. ATTN: DISC-EED, 700 ROBBINS AVENUE, PHILADELPHIA, PA 19111-5096.

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TABLE I. DASH NUMBERS AND DIMENSIONS

| DASH NO. | NOMINAL THREAD SIZE | ϕA BASE DIA $\pm .015$ | B PILOT HEIGHT $\pm .015$ | ϕC PILOT DIA | | D PRONG HEIGHT $\pm .015$ | S THICKNESS +.015 -.000 | NUMBER OF PRONGS |
|----------|---------------------|------------------------------------|------------------------------------|-----------------------|------|------------------------------------|----------------------------------|------------------------|
| | | | | MAX | MIN | | | |
| 1 | .1380-32UNC-2B | .562 | .266 | .164 | .157 | .125 | .020 | 3 |
| 2 | .1640-32UNC-2B | .500 | .250 | .213 | .208 | .141 | .035 | 3 |
| 3 | .1640-32UNC-2B | .750 | .250 | .213 | .208 | .188 | .035 | 3 |
| 4 | .1900-24UNC-2B | .500 | .516 | .235 | .225 | .141 | .031 | 3 |
| 17 | .1900-24UNC-2B | .500 | .406 | .235 | .225 | .141 | .031 | 3 |
| 5 | .1900-24UNC-2B | .750 | .281 | .232 | .227 | .203 | .035 | 3 |
| 6 | .1900-32UNF-2B | .500 | .188 | .232 | .227 | .141 | .035 | 3 |
| 7 | .1900-32UNF-2B | .500 | .562 | .235 | .225 | .141 | .031 | 3 |
| 8 | .1900-32UNF-2B | .750 | .281 | .232 | .227 | .203 | .035 | 3 |
| 9 | .2500-20UNC-2B | .750 | .312 | .311 | .306 | .234 | .050 | 4 |
| 10 | .2500-20UNC-2B | .750 | .562 | .311 | .306 | .438 | .050 | 3 |
| 11 | .2500-28UNF-2B | .750 | .250 | .320 | .315 | .265 | .050 | 3 |
| 12 | .2500-28UNF-2B | .750 | .312 | .320 | .315 | .234 | .050 | 4 |
| 13 | .3125-18UNC-2B | .875 | .375 | .391 | .386 | .281 | .062 | 4 |
| 14 | .3125-24UNF-2B | .875 | .375 | .400 | .395 | .281 | .062 | 4 |
| 15 | .3750-16UNC-2B | 1.000 | .438 | .471 | .466 | .328 | .075 | 4 |
| 16 | .3750-24UNF-2B | 1.000 | .438 | .485 | .480 | .328 | .075 | 4 |

3. QUALITY CONFORMANCE PROVISIONS:

- 3.1 THE SUPPLIERS SHALL BE RESPONSIBLE FOR THOSE IN PROCESS CONTROLS AND INSPECTIONS NECESSARY TO SUPPLY A PRODUCT CONSISTENTLY CONFORMING TO THE REQUIREMENTS OF THIS DOCUMENT.
- 3.2 UPON REQUEST, THE SUPPLIER WILL CERTIFY WITH DOCUMENTED TEST/INSPECTION EVIDENCE, THAT THE PARTS SUPPLIED MEET THE REQUIREMENTS OF THIS DOCUMENT.

4. NOTES:

- 4.1 ALL DIMENSIONS ARE IN INCHES.
- 4.2 INTERPRET DESIGN IN ACCORDANCE WITH FIGURE AND TABLE ABOVE.
- 4.3 THE PART IDENTIFICATION NUMBER (PIN) SHALL CONSIST OF THE BASIC CID NUMBER PLUS A DASH NUMBER TAKEN FROM TABLE I.

EXAMPLE: AA55625 - 10 G

 └─ PLATING CODE: NO CODE = CADMIUM
 "G" CODE = ZINC PLATING

 └─ DASH NUMBER

 └─ BASIC CID NUMBER

AA55625-10G IDENTIFIES A .2500-20 UNC-2B PLATE NUT WITH ZINC PLATING

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TABLE II. CROSS - REFERENCE TABLE.

| CANCELLED MS PIN | REPLACEMENT CID PIN |
|-----------------------|-----------------------|
| MS51941 - * <u>1/</u> | AA55625 - * <u>1/</u> |

1/ * REPRESENTS THE SAME DESIGNATION CODES FOR BOTH MS AND CID PINS.

MILITARY INTERESTS

CUSTODIANS

ARMY - AR

REVIEWER:

ARMY - ME, MI

PREPARING ACTIVITY

DLA-IS

(PROJECT: 5310-2271)