

REVIEWER: AT, AM, MAJ, GL, MS, NSA  
USER: EL, ME, EA, PA, WY, OS, MC, SH

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.

TABLE I

| NOMINAL SIZE                             | .250         |   |              | .3125          |              |              | .375         |              |              | .500         |              |                              |              |
|--|--------------|---|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------|--------------|
| THREADS PER INCH                         | 20           | 28  |              | 18             | 24           |              | 16           | 24           |              | 13           | 20           |                              |              |
| D BODY MAX DIAMETER MIN                  | .250<br>.245 |   |              | .3125<br>.3065 |              |              | .375<br>.369 |              |              | .500<br>.493 |              |                              |              |
| F ACROSS FLATS MAX MIN                   | .500<br>.489 |   |              | .562<br>.551   |              |              | .625<br>.612 |              |              | .812<br>.798 |              |                              |              |
| G ACROSS CORNERS MAX MIN                 | .577<br>.557 |   |              | .650<br>.628   |              |              | .722<br>.698 |              |              | .936<br>.910 |              |                              |              |
| H HEAD HEIGHT MAX MIN                    | .135<br>.125 |   |              | .198<br>.188   |              |              | .260<br>.250 |              |              | .327<br>.312 |              |                              |              |
| M THREAD LENGTH REF                      | .750         |   |              | .875           |              |              | 1.000        |              |              | 1.250        |              |                              |              |
| N UNTHREADED LENGTH-MAX                  | .125         | .089  |              | .139           | .104         |              | .156         | .104         |              | .192         | .125         |                              |              |
| 1 LENGTH                                 | FINISH       | DASH NO.  |              | BODY LCT MIN   | GRIP LCT MAX | DASH NO.     |              | BODY LCT MIN | GRIP LCT MAX | DASH NO.     |              | BODY LCT MIN                 | GRIP LCT MAX |
| .750                                     | CAD PHOS     | 1201<br>1202  | 1223<br>1224 |                |              | 1245<br>1246 | 1267<br>1268 |              |              | 1289<br>1290 | 1311<br>1312 | 1395<br>1396                 | 1425<br>1426 |
| .875                                     | CAD PHOS     | 1203<br>1204  | 1225<br>1226 |                | .125         | 1247<br>1248 | 1269<br>1270 |              |              | 1291<br>1292 | 1313<br>1314 | 1397<br>1398                 | 1427<br>1428 |
| 1.000                                    | CAD PHOS     | 1205<br>1206  | 1227<br>1228 |                | .250         | 1249<br>1250 | 1271<br>1272 |              |              | 1293<br>1294 | 1315<br>1316 | 1399<br>1400                 | 1429<br>1430 |
| 1.250                                    | CAD PHOS     | 1207<br>1208  | 1229<br>1230 | .100           | .500         | 1251<br>1252 | 1273<br>1274 |              | .375         | 1295<br>1296 | 1317<br>1318 | .250                         | 1401<br>1402 |
| 1.500                                    | CAD PHOS     | 1209<br>1210  | 1231<br>1232 | .350           | .750         | 1253<br>1254 | 1275<br>1276 | .208         | .625         | 1297<br>1298 | 1319<br>1320 | .062                         | .500         |
| 1.750                                    | CAD PHOS     | 1211<br>1212  | 1233<br>1234 | .600           | 1.000        | 1255<br>1256 | 1277<br>1278 | .458         | .875         | 1299<br>1300 | 1321<br>1322 | .312                         | .750         |
| 2.000                                    | CAD PHOS     |   |              |                |              | 1257<br>1258 | 1279<br>1280 | .708         | 1.125        | 1301<br>1302 | 1323<br>1324 | .562                         | 1.000        |
| 2.250                                    | CAD PHOS     |   |              |                |              | 1259<br>1260 | 1281<br>1282 | .958         | 1.375        | 1303<br>1304 | 1325<br>1326 | .812                         | 1.250        |
| 2.500                                    | CAD PHOS     |   |              |                |              |              |              |              |              | 1305<br>1306 | 1327<br>1328 | 1.062                        | 1.500        |
| 2.750                                    | CAD PHOS     |   |              |                |              |              |              |              |              | 1307<br>1308 | 1329<br>1330 | 1.312                        | 1.750        |
| 3.000                                    | CAD PHOS     |   |              |                |              |              |              |              |              |              |              |                              |              |
| 3.250                                    | CAD PHOS     |   |              |                |              |              |              |              |              |              |              |                              |              |
| 3.500                                    | CAD PHOS     |   |              |                |              |              |              |              |              |              |              |                              |              |
| 3.750                                    | CAD PHOS     |   |              |                |              |              |              |              |              |              |              |                              |              |
| * SEE NOTE 6.                            |              |   |              |                |              |              |              |              |              |              |              |                              |              |
| (E) ENTIRE STANDARD REVISED              |              |   |              |                |              |              |              |              |              |              |              |                              |              |
| P A<br>WC<br>Other Cust<br>62            |              | TITLE<br>BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,<br>GRADE 8, UNC-2A AND UNF-2A |              |                |              |              |              |              |              |              |              | MILITARY STANDARD<br>MS35764 |              |
| PROCUREMENT SPECIFICATION<br>MIL-B-45912 |              | SUPERSEDES BAKX1 thru BAKX1.1   |              |                |              |              |              |              |              |              |              | SHEET 1 OF 1                 |              |

APPROVED 16 AUG 1956 REVISED (A) 13 SEP 1966 (B) 19 JUN 1967 (C) 8 AUG 1969 (D) 15 MAY 1973 (E) 29 DEC 1975

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.

REVIEWER: AT, AM, MJ, GL, IS, NSA  
USER: EL, ME, EA, PA, WY, OS, MC, SH

| TABLE I - Continued |                       |          |      |              |              |          |      |              |              |          |       |              |              | FED SUP CLASS<br>5306 |  |
|---------------------|-----------------------|----------|------|--------------|--------------|----------|------|--------------|--------------|----------|-------|--------------|--------------|-----------------------|--|
| NOMINAL SIZE        |                       | .625     |      |              | .750         |          |      | 1.000        |              |          | 1.250 |              |              |                       |  |
| THREADS PER INCH    |                       | 11       | 12   |              | 10           | 12       |      | 8            | 12           |          | 7     | 12           |              |                       |  |
| P                   | BODY DIAMETER         | MAX      |      |              | MAX          |          |      | MAX          |              |          | MAX   |              |              |                       |  |
|                     |                       | MIN      |      |              | MIN          |          |      | MIN          |              |          | MIN   |              |              |                       |  |
| F                   | ACROSS FLATS          | MAX      |      |              | MAX          |          |      | MAX          |              |          | MAX   |              |              |                       |  |
|                     |                       | MIN      |      |              | MIN          |          |      | MIN          |              |          | MIN   |              |              |                       |  |
| C                   | ACROSS CORNERS        | MAX      |      |              | MAX          |          |      | MAX          |              |          | MAX   |              |              |                       |  |
|                     |                       | MIN      |      |              | MIN          |          |      | MIN          |              |          | MIN   |              |              |                       |  |
| H                   | HEAD HEIGHT           | MAX      |      |              | MAX          |          |      | MAX          |              |          | MAX   |              |              |                       |  |
|                     |                       | MIN      |      |              | MIN          |          |      | MIN          |              |          | MIN   |              |              |                       |  |
| M                   | THREAD LENGTH         | REF      |      |              | REF          |          |      | REF          |              |          | REF   |              |              |                       |  |
| N                   | UNTHREADED-LENGTH-MAX | .227     | .139 |              | .250         | .156     |      | .312         | .208         |          | .357  | .208         |              |                       |  |
| L LENGTH            | FINISH                | DASH NO. |      | BODY LCT MIN | GRIP LCT MAX | DASH NO. |      | BODY LCT MIN | GRIP LCT MAX | DASH NO. |       | BODY LCT MIN | GRIP LCT MAX |                       |  |
| 1.000               | CAD PHOS              | 1515     | 1543 |              |              |          |      |              |              |          |       |              |              |                       |  |
|                     |                       | 1516     | 1544 |              |              |          |      |              |              |          |       |              |              |                       |  |
| 1.250               | CAD PHOS              | 1517     | 1545 |              |              | 1571     | 1599 |              |              |          |       |              |              |                       |  |
|                     |                       | 1518     | 1546 |              |              | 1572     | 1600 |              |              |          |       |              |              |                       |  |
| 1.500               | CAD PHOS              | 1519     | 1547 |              |              | 1573     | 1601 |              |              |          |       |              |              |                       |  |
|                     |                       | 1520     | 1548 |              |              | 1574     | 1602 |              |              |          |       |              |              |                       |  |
| 1.750               | CAD PHOS              | 1521     | 1549 |              | .250         | 1575     | 1603 |              |              | 1679     | 1705  |              |              |                       |  |
|                     |                       | 1522     | 1550 |              |              | 1576     | 1604 |              |              | 1680     | 1706  |              |              |                       |  |
| 2.000               | CAD PHOS              | 1523     | 1551 |              | .500         | 1577     | 1605 |              | .250         | 1681     | 1707  | 1729         | 1753         |                       |  |
|                     |                       | 1524     | 1552 |              |              | 1578     | 1606 |              |              | 1682     | 1708  | 1730         | 1754         |                       |  |
| 2.250               | CAD PHOS              | 1525     | 1553 |              | .750         | 1579     | 1607 |              | .500         | 1683     | 1709  | 1731         | 1755         |                       |  |
|                     |                       | 1526     | 1554 |              |              | 1580     | 1608 |              |              | 1684     | 1710  | 1732         | 1756         |                       |  |
| 2.500               | CAD PHOS              | 1527     | 1555 | .227         | 1.000        | 1581     | 1609 |              | .750         | 1685     | 1711  | 1733         | 1757         |                       |  |
|                     |                       | 1528     | 1556 |              |              | 1582     | 1610 |              |              | 1686     | 1712  | 1734         | 1758         |                       |  |
| 2.750               | CAD PHOS              | 1529     | 1557 | .477         | 1.250        | 1583     | 1611 | .200         | 1.000        | 1687     | 1713  | 1735         | 1759         |                       |  |
|                     |                       | 1530     | 1558 |              |              | 1584     | 1612 |              |              | 1688     | 1714  | 1736         | 1760         |                       |  |
| 3.000               | CAD PHOS              | 1531     | 1559 | .727         | 1.500        | 1585     | 1613 | .450         | 1.250        | 1689     | 1715  | 1737         | 1761         |                       |  |
|                     |                       | 1532     | 1560 |              |              | 1586     | 1614 |              |              | 1690     | 1716  | 1738         | 1762         |                       |  |
| 3.250               | CAD PHOS              | 1533     | 1561 | .977         | 1.750        | 1587     | 1615 | .700         | 1.500        | 1691     | 1717  | 1739         | 1763         |                       |  |
|                     |                       | 1534     | 1562 |              |              | 1588     | 1616 |              |              | 1692     | 1718  | 1740         | 1764         |                       |  |
| 3.500               | CAD PHOS              | 1535     | 1563 | 1.227        | 2.000        | 1589     | 1617 | .950         | 1.750        | 1693     | 1719  | 1741         | 1765         |                       |  |
|                     |                       | 1536     | 1564 |              |              | 1590     | 1618 |              |              | 1694     | 1720  | 1742         | 1766         |                       |  |
| 3.750               | CAD PHOS              | 1537     | 1565 | 1.477        | 2.250        | 1591     | 1619 | 1.200        | 2.000        | 1695     | 1721  | 1743         | 1767         |                       |  |
|                     |                       | 1538     | 1566 |              |              | 1592     | 1620 |              |              | 1696     | 1722  | 1744         | 1768         |                       |  |
| 4.000               | CAD PHOS              | 1539     | 1567 | 1.727        | 2.500        | 1593     | 1621 | 1.450        | 2.250        | 1697     | 1723  | 1745         | 1769         |                       |  |
|                     |                       | 1540     | 1568 |              |              | 1594     | 1622 |              |              | 1698     | 1724  | 1746         | 1770         |                       |  |
| 4.500               | CAD PHOS              | 1541     | 1569 | 2.227        | 3.000        | 1595     | 1623 | 1.950        | 2.750        | 1699     | 1725  | 1747         | 1771         |                       |  |
|                     |                       | 1542     | 1570 |              |              | 1596     | 1624 |              |              | 1700     | 1726  | 1748         | 1772         |                       |  |
| 5.000               | CAD PHOS              |          |      |              |              |          |      |              |              | 1701     | 1727  | 1749         | 1773         |                       |  |
|                     |                       |          |      |              |              |          |      |              |              | 1702     | 1728  | 1750         | 1774         |                       |  |

\* SEE NOTE 6.

TABLE II  
LENGTH TOLERANCE

| NOMINAL SIZE          | .250<br>.3125<br>.375 | .4375<br>.500 | .5625<br>.625<br>.750 | .875<br>1.000 | 1.250 |
|-----------------------|-----------------------|---------------|-----------------------|---------------|-------|
| LENGTH                | TOLERANCE (+.000)     |               |                       |               |       |
| THRU 1.000            | -.030                 | -.030         | -.030                 |               |       |
| OVER 1.000 THRU 2.500 | -.040                 | -.060         | -.080                 | -.100         | -.120 |
| OVER 2.500 THRU 4.000 | -.060                 | -.080         | -.100                 | -.140         | -.160 |
| OVER 4.000            |                       |               |                       | -.160         | -.180 |

|  |   |                   |
|--|---|-------------------|
| P A<br>Other Case<br>82                  | TITLE<br>BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,<br>GRADE 8, UNC-2A AND UNF-2A | MILITARY STANDARD |
|  |   | MS 35764          |
| PROCUREMENT SPECIFICATION<br>MIL-B-45912 | SUPERSEDES BARI3 thru BARI3.3   | SHEET 2 OF 7      |

APPROVED 16 AUG 1956  
REVISED (A) 13 SEP 1966 (B) 19 JUN 1967 (C) 8 AUG 1969 (D) 15 MAY 1973 (E) FOR CHANGES SEE SHEET 1

\* SEE NOTE 6.

TABLE II  
LENGTH TOLERANCE

| NOMINAL SIZE          | .250  | .4375              | .5625 | .875  | 1.250 |
|-----------------------|-------|--------------------|-------|-------|-------|
|                       | .3125 | .500               | .625  | 1.000 |       |
|                       | .375  |                    | .750  |       |       |
| LENGTH                |       | TOLERANCE (+ .000) |       |       |       |
| THRU 1.000            |       | -.030              | -.030 | -.030 |       |
| OVER 1.000 THRU 2.500 |       | -.040              | -.060 | -.080 | -.100 |
| OVER 2.500 THRU 4.000 |       | -.060              | -.080 | -.100 | -.120 |
| OVER 4.000            |       |                    |       | -.160 | -.180 |

|  |   |                   |  |
|--|---|-------------------|--|
| P A<br>WC<br>Other Cust<br>82            | TITLE<br>BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,<br>GRADE 8, UNC-2A AND UNF-2A | MILITARY STANDARD |  |
|  |   | MS 35764          |  |
| PROCUREMENT SPECIFICATION<br>MIL-B-45912 | SUPERSEDES BARK3 thru BARK3.3   | SHEET 2 OF 7      |  |

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 16 AUG 1956 REVISED (A) 13 SEP 1966 (B) 19 JUN 1967 (C) 8 AUG 1969 (D) 15 MAY 1973 (E) FOR CHANGES SEE SHEET 1

FED SUP CLASS  
5306

## NOTES:

1. **MATERIAL:** Steel, SAE Grade 8 in accordance with procurement specification.
2. **PROTECTIVE COATING:** Cadmium plated in accordance with QQ-P-416, Type II, Class 2.  
Phosphate coated in accordance with MIL-P-16232, Type 2, Class 2.
3. **THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H26.
4. **DIMENSIONS:** All dimensions are in inches.
5. **HEAD DIMENSIONS:** For head dimensions see procurement specification.
6. **MINIMUM THREAD LENGTH:** Bolts too short for full thread length shall have threads extending over the full length. The distance from the underside of the head to the first complete (full form) thread, as measured with a ring thread gage, shall not exceed the maximum unthreaded length "N".
7. **HEAD MARKING:** Heads shall be marked on top with the manufacturer's identification and the number 8 to designate Grade 8 material. Raised markings are preferred.
8. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS35764-1201.
9. Referenced documents shall be of the issue in effect on date of invitations for bid.
10. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
11. This bolt is covered by U.S. Patent Number 3342236 which expires 19 September 1984. The Government does not have a royalty free license under this patent. This bolt is known as a "Place Bolt" under this patent.

TABLE III

## GRADE 8 - REFERENCE INFORMATION ONLY

| NOMINAL SIZE | THREADS PER INCH | PROOF LOAD LBS (MIN) | RECOMMENDED AXIAL LOAD (LBS) | *RECOMMENDED TIGHTENING TORQUE (FT - LBS) |
|--------------|------------------|----------------------|------------------------------|---|
| .250         | 20<br>24         | 3400<br>4350         | 2850<br>3263                 | 11<br>14                                  |
| .3125        | 16<br>24         | 6300<br>6950         | 4725<br>5213                 | 21.5<br>27                                |
| .375         | 16<br>24         | 9300<br>10550        | 6975<br>7913                 | 40.5<br>55                                |
| .500         | 13<br>20         | 17050<br>19200       | 12788<br>14363               | 102<br>126                                |
| .625         | 11<br>18         | 27100<br>30700       | 20325<br>23025               | 212<br>263                                |
| .750         | 10<br>16         | 40100<br>44750       | 30075<br>33563               | 390<br>464                                |
| 1.000        | 8<br>12          | 72700<br>79550       | 54525<br>59663               | 889<br>1050                               |
| 1.250        | 7<br>12          | 116300<br>128750     | 87225<br>96563               | 1956<br>2253                              |

## NOTES:

1. Torque based on 0.2 coefficient of friction.
2. Torque and axial load based upon 75% of proof load value.
3. The self-locking feature of these bolts is full effective when tightened to the torque values shown herein. Lockwashers or locknuts are not needed. (See note 5)
4. Torque values are to be shown adjacent the bolt part number callouts upon assembly drawings. They are subject to upward or downward revision by the agency responsible for the assembly drawings when the tightening friction coefficient for specific applications, is found to vary from as shown in note (1), above.
5. Where material, softer than the bolt material, is fastened, plain washer of material as hard as the bolt, of adequate thickness, and larger in diameter than the bolt head, shall be used under bolt head.

1. 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.

REVIEWER: AT, AV, MU, GL, IS, NSA  
USER: EL, ME, EA, PM, WV, OS, MC, SH

|  |   |                               |
|--|---|-------------------------------|
| P.A. 50<br>Other Code 52                 | TITLE<br>BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,<br>GRADE 8, UNC-2A AND UNF-2A | MILITARY STANDARD<br>MS 35764 |
| PROCUREMENT SPECIFICATION<br>MIL-R-45012 | SUPERSEDES BAR 1 thru BAR 3.3   | SHEET 3 OF 3                  |

PRC SUP CLASS

5306

TABLE IV

The following former dash numbers of MS35764 are INACTIVE FOR NEW DESIGN AFTER 15 MAY 1971. These inactive dash numbers have smaller "F" and "G" dimensions than the new dash numbers in Table I, and have Type II, Class 3 cadmium plating per Q-W-410.

| NOMINAL SIZE     |                        | .250     |              |              | .3125        |              |              | .375     |              |              | .4375    |              |              |
|------------------|------------------------|----------|--------------|--------------|--------------|--------------|--------------|----------|--------------|--------------|----------|--------------|--------------|
| THREADS PER INCH |                        | 20       | 28           |              | 18           | 24           |              | 16       | 24           |              | 14       | 20           |              |
| I                | BODY DIAMETER          | MAX      | .250         |              |              | .3125        |              |          | .375         |              |          | .4375        |              |
|                  | MIN                    | .245     |              |              | .3065        |              |              | .360     |              |              | .4305    |              |              |
| F                | ACROSS FLATS           | MAX      | .438         |              |              | .500         |              |          | .562         |              |          | .625         |              |
|                  | MIN                    | .426     |              |              | .489         |              |              | .551     |              |              | .612     |              |              |
| C                | ACROSS CORNERS         | MAX      | .505         |              |              | .577         |              |          | .650         |              |          | .722         |              |
|                  | MIN                    | .486     |              |              | .557         |              |              | .628     |              |              | .699     |              |              |
| H                | HEAD HEIGHT            | MAX      | .135         |              |              | .196         |              |          | .260         |              |          | .290         |              |
|                  | MIN                    | .125     |              |              | .186         |              |              | .250     |              |              | .280     |              |              |
| M                | THREAD LENGTH          | REF      | .750         |              |              | .875         |              |          | 1.000        |              |          | 1.125        |              |
| N                | UNTHREADED* LENGTH-MAX |          | .125         | .089         |              | .139         | .104         |          | .156         | .104         |          | .179         | .125         |
| L LENGTH         | FINISH                 | DASH NO. | BODY LOT MIN | GRIP LOT MAX | DASH NO.     | BODY LOT MIN | GRIP LOT MAX | DASH NO. | BODY LOT MIN | GRIP LOT MAX | DASH NO. | BODY LOT MIN | GRIP LOT MAX |
| .750             | CAD PHOS               | 803 203  | 1003 603     |              | 817 217      | 1017 617     |              | 831 231  | 1031 631     |              | 846 246  | 1046 646     |              |
| .875             | CAD PHOS               | 804 204  | 1004 604     |              | .225 818 218 | 1018 618     |              | 832 232  | 1032 632     |              | 847 247  | 1047 647     |              |
| 1.000            | CAD PHOS               | 805 205  | 1005 605     |              | .250 819 219 | 1019 619     |              | 833 233  | 1033 633     |              | 848 248  | 1048 648     |              |
| 1.250            | CAD PHOS               | 807 207  | 1007 607     | .100 .500    | 821 221      | 1021 621     | .375         | 835 235  | 1035 635     | .250         | 850 250  | 1050 650     |              |
| 1.500            | CAD PHOS               | 808 208  | 1008 608     | .350 .750    | 822 222      | 1022 622     | .206 .625    | 836 236  | 1036 636     | .062 .500    | 851 251  | 1051 651     | .375         |
| 1.750            | CAD PHOS               | 809 209  | 1009 609     | .600 1.000   | 823 223      | 1023 623     | .456 .875    | 837 237  | 1037 637     | .312 .750    | 852 252  | 1052 652     | .161 .625    |
| 2.000            | CAD PHOS               | 810 210  | 1010 610     | .850 1.250   | 824 224      | 1024 624     | .706 1.125   | 838 238  | 1038 638     | .562 1.000   | 853 253  | 1053 653     | .411 .875    |
| 2.250            | CAD PHOS               | 811 211  | 1011 611     | 1.100 1.500  | 825 225      | 1025 625     | .958 1.375   | 839 239  | 1039 639     | .812 1.250   | 854 254  | 1054 654     | .661 1.125   |
| 2.500            | CAD PHOS               | 812 212  | 1012 612     | 1.350 1.750  | 826 226      | 1026 626     | 1.208 1.625  | 840 240  | 1040 640     | 1.062 1.500  | 855 255  | 1055 655     | .911 1.375   |
| 2.750            | CAD PHOS               | 813 213  | 1013 613     | 1.600 2.000  | 827 227      | 1027 627     | 1.458 1.875  | 841 241  | 1041 641     | 1.312 1.750  | 856 256  | 1056 656     | 1.161 1.625  |
| 3.000            | CAD PHOS               | 814 214  | 1014 614     | 1.850 2.250  | 828 228      | 1028 628     | 1.708 2.125  | 842 242  | 1042 642     | 1.562 2.000  | 857 257  | 1057 657     | 1.411 1.875  |
| 3.250            | CAD PHOS               |          |              |              |              |              |              |          |              |              | 858 258  | 1058 658     | 1.661 2.125  |
| 3.500            | CAD PHOS               |          |              |              |              |              |              | 1044 644 | 2.062 2.500  |              | 859 259  | 1059 659     | 1.911 2.375  |
| 3.750            | CAD PHOS               |          |              |              |              |              |              |          |              |              | 860 260  | 1060 660     | 2.161 2.625  |
| 4.000            | CAD PHOS               |          |              |              |              |              |              |          |              |              | 861 261  | 1061 661     | 2.411 2.875  |

\* SEE NOTE 6.

P A  
WC  
Other Cases  
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TITLE

BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,  
GRADE 8, UNC-2A AND UNF-2A

MILITARY STANDARD

MS35764

PROCUREMENT SPECIFICATION  
MIL-B-45912

SUPERSEDES BARK3 thru BARK3.3

SHEET 4 OF 7

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.

REVIEWER: AT, AV, MU, GL, IS, NSA  
USER: EL, ME, EA, PA, WV, OS, MC, SH

APPROVED 16 AUG 1956 REVISED 4 13 SEP 1966 19 JUN 1967 (C) 8 AUG 1969 (D) 15 MAY 1973 (E) FOR CHANGES SEE SHEET 1

| TABLE IV - Continued |                          |          |            |              |              |          |              |              |          |              |              |             |              | FED SUP CLASS<br>5306 |             |              |              |  |
|----------------------|--------------------------|----------|------------|--------------|--------------|----------|--------------|--------------|----------|--------------|--------------|-------------|--------------|-----------------------|-------------|--------------|--------------|--|
| NOMINAL SIZE         |                          | .500     |            |              |              | .5625    |              |              |          | .625         |              |             |              | .75                   |             |              |              |  |
| THREADS PER INCH     |                          | 13       | 20         |              |              | 12       | 16           |              |          | 11           | 18           |             |              | 10                    | 16          |              |              |  |
| D                    | BODY DIAMETER            | MAX      | .500       |              |              |          | .5625        |              |          |              | .625         |             |              |                       | .750        |              |              |  |
|                      |                          | MIN      | .493       |              |              |          | .5545        |              |          |              | .617         |             |              |                       | .741        |              |              |  |
| F                    | ACROSS FLATS             | MAX      | .750       |              |              |          | .812         |              |          |              | .875         |             |              |                       | 1.000       |              |              |  |
|                      |                          | MIN      | .736       |              |              |          | .799         |              |          |              | .860         |             |              |                       | .953        |              |              |  |
| C                    | ACROSS CORNERS           | MAX      | .866       |              |              |          | .936         |              |          |              | 1.010        |             |              |                       | 1.155       |              |              |  |
|                      |                          | MIN      | .840       |              |              |          | .910         |              |          |              | .980         |             |              |                       | 1.121       |              |              |  |
| H                    | HEAD HEIGHT              | MAX      | .327       |              |              |          | .390         |              |          |              | .390         |             |              |                       | .456        |              |              |  |
|                      |                          | MIN      | .312       |              |              |          | .375         |              |          |              | .375         |             |              |                       | .436        |              |              |  |
| M                    | THREAD LENGTH            | REF      | 1.250      |              |              |          | 1.375        |              |          |              | 1.500        |             |              |                       | 1.750       |              |              |  |
| N                    | UNTHREADED* LENGTH - MAX |          | .192       | .125         |              |          | .208         | .139         |          |              | .227         | .139        |              |                       | .250        | .156         |              |  |
|                      | L LENGTH                 | FINISH   | DASH NO.   | BODY LGT MIN | GRIP LGT MAX | DASH NO. | BODY LGT MIN | GRIP LGT MAX | DASH NO. | BODY LGT MIN | GRIP LGT MAX | DASH NO.    | BODY LGT MIN | GRIP LGT MAX          | DASH NO.    | BODY LGT MIN | GRIP LGT MAX |  |
|                      | .750                     | CAD PHOS | 864<br>264 | 1064<br>664  |              |          | 882<br>282   | 1082<br>682  |          |              |              |             |              |                       |             |              |              |  |
|                      | .875                     | CAD PHOS | 865<br>265 | 1065<br>665  |              |          | 883<br>283   | 1083<br>683  |          |              |              |             |              |                       |             |              |              |  |
|                      | 1.000                    | CAD PHOS | 866<br>266 | 1066<br>666  |              |          | 884<br>284   | 1084<br>684  |          | 900<br>300   | 1100<br>700  |             |              |                       |             | 1116<br>716  |              |  |
|                      | 1.250                    | CAD PHOS | 868<br>268 | 1068<br>668  |              |          | 886<br>286   | 1086<br>686  |          | 902<br>302   | 1102<br>702  |             |              | 916<br>316            | 1114<br>714 |              |              |  |
|                      | 1.500                    | CAD PHOS | 869<br>269 | 1069<br>669  |              | .250     | 887<br>287   | 1087<br>687  |          | 903<br>303   | 1103<br>703  |             |              | 919<br>319            | 1119<br>719 |              |              |  |
|                      | 1.750                    | CAD PHOS | 870<br>270 | 1070<br>670  | .019         | .500     | 888<br>288   | 1088<br>688  |          | .375         | 904<br>304   | 1104<br>704 |              | .250                  | 920<br>320  | 1120<br>720  |              |  |
|                      | 2.000                    | CAD PHOS | 871<br>271 | 1071<br>671  | .269         | .750     | 889<br>289   | 1089<br>689  |          | .625         | 905<br>305   | 1105<br>705 |              | .500                  | 921<br>321  | 1121<br>721  | .250         |  |
|                      | 2.250                    | CAD PHOS | 872<br>272 | 1072<br>672  | .519         | 1.000    | 890<br>290   | 1090<br>690  | .125     | .875         | 906<br>306   | 1106<br>706 |              | .750                  | 922<br>322  | 1122<br>722  | .500         |  |
|                      | 2.500                    | CAD PHOS | 873<br>273 | 1073<br>673  | .769         | 1.250    | 891<br>291   | 1091<br>691  | .375     | 1.125        | 907<br>307   | 1107<br>707 | .227         | 1.000                 | 923<br>323  | 1123<br>723  | .750         |  |
|                      | 2.750                    | CAD PHOS | 874<br>274 | 1074<br>674  | 1.019        | 1.500    | 892<br>292   | 1092<br>692  | .625     | 1.375        | 908<br>308   | 1108<br>708 | .477         | 1.250                 | 924<br>324  | 1124<br>724  | .200         |  |
|                      | 3.000                    | CAD PHOS | 875<br>275 | 1075<br>675  | 1.269        | 1.750    | 893<br>293   | 1093<br>693  | .875     | 1.625        | 909<br>309   | 1109<br>709 | .727         | 1.500                 | 925<br>325  | 1125<br>725  | .450         |  |
|                      | 3.250                    | CAD PHOS | 876<br>276 | 1076<br>676  | 1.519        | 2.000    | 894<br>294   | 1094<br>694  | 1.125    | 1.875        | 910<br>310   | 1110<br>710 | .977         | 1.750                 | 926<br>326  | 1126<br>726  | .700         |  |
|                      | 3.500                    | CAD PHOS | 877<br>277 | 1077<br>677  | 1.769        | 2.250    | 895<br>295   | 1095<br>695  | 1.375    | 2.125        | 911<br>311   | 1111<br>711 | 1.227        | 2.000                 | 927<br>327  | 1127<br>727  | .950         |  |
|                      | 3.750                    | CAD PHOS | 878<br>278 | 1078<br>678  | 2.019        | 2.500    | 896<br>296   | 1096<br>696  | 1.625    | 2.375        | 912<br>312   | 1112<br>712 | 1.447        | 2.250                 | 928<br>328  | 1128<br>728  | 1.200        |  |
|                      | 4.000                    | CAD PHOS | 879<br>279 | 1079<br>679  | 2.269        | 2.750    | 897<br>297   | 1097<br>697  | 1.875    | 2.625        | 913<br>313   | 1113<br>713 | 1.727        | 2.500                 | 929<br>329  | 1129<br>729  | 1.450        |  |
|                      | 4.500                    | CAD PHOS |            |              |              |          |              |              |          |              | 914<br>314   | 1114<br>714 | 2.227        | 3.000                 | 930<br>330  | 1130<br>730  | 1.950        |  |
| * SEE NOTE 6.        |                          |          |            |              |              |          |              |              |          |              |              |             |              |                       |             |              |              |  |

PA  
b1  
Other Code  
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TITLE  
BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,  
GRADE 8, UNC-2A AND UNF-2A

MILITARY STANDARD  
MS35764

PROCUREMENT SPECIFICATION  
MIL-B-45912

SUPERSEDES BARX3 thru BARX3.3

SHEET 5 OF 7

 REVIEWER: AT, AM, MJ, OL, IS, NSA  
 USER: EL, ME, EA, PA, WY, OS, MC, SH

 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 16 AUG 1956 REVISED (A) 13 SEP 1966 (B) 19 JUN 1967 (C) 8 AUG 1969 (D) 15 MAY 1973 (E) FOR CHANGES SEE SHEET 1

REVIEWER: AT, AV, MU, GL, IS, NSA  
USER: EL, WE, EA, PA, WV, OS, MC, SH

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.

| TABLE 11 - DIMENSIONS                    |          |   |             |              |              |            |             |              |              |                               | PED SUP CLASS<br>5306 |              |
|--|----------|---|-------------|--------------|--------------|------------|-------------|--------------|--------------|-------------------------------|-----------------------|--------------|
| NOMINAL SIZE                             |          | 1.25  |             |              |              |            |             |              |              |                               |                       |              |
| THREADS PER INCH                         |          | 14  |             |              |              |            |             |              |              |                               |                       |              |
| I BODY DIAMETER                          | MAX      | .975  |             |              |              | 1.000      |             |              |              | 1.250                         |                       |              |
|  | MIN      | .960  |             |              |              | .960       |             |              |              | 1.230                         |                       |              |
| F ACROSS FLATS                           | MAX      | 1.312   |             |              |              | 1.312      |             |              |              | 1.688                         |                       |              |
|  | MIN      | 1.290   |             |              |              | 1.290      |             |              |              | 1.668                         |                       |              |
| G ACROSS CORNERS                         | MAX      | 1.299   |             |              |              | 1.516      |             |              |              | 1.949                         |                       |              |
|  | MIN      | 1.261   |             |              |              | 1.473      |             |              |              | 1.896                         |                       |              |
| H HEAD HEIGHT                            | MAX      | .520  |             |              |              | .582       |             |              |              | .607                          |                       |              |
|  | MIN      | .500  |             |              |              | .562       |             |              |              | .677                          |                       |              |
| M THREAD LENGTH                          |          | REF   | 2.000       |              |              |            | 2.250       |              |              |                               | 2.750                 |              |
| N UNTHREADED LENGTH*                     | MAX      | .275  | .179        |              |              | .312       | .206        |              |              | .357                          | .206                  |              |
|  |          |   |             |              |              |            |             |              |              |                               |                       |              |
| L LENGTH                                 | FINISH   | DASH NO.  |             | BODY LGT MIN | GRIP LGT MAX | DASH NO.   |             | BODY LGT MIN | GRIP LGT MAX | DASH NO.                      | BODY LGT MIN          | GRIP LGT MAX |
| 1.250                                    | CAD PHOS |   | 1133<br>733 |              |              |            | 1146<br>746 |              |              |                               |                       |              |
| 1.500                                    | CAD PHOS | 934<br>334  | 1134<br>734 |              |              |            |             |              |              |                               | 1177<br>777           |              |
| 1.750                                    | CAD PHOS | 935<br>335  | 1135<br>735 |              |              | 950<br>350 | 1150<br>750 |              |              |                               |                       |              |
| 2.000                                    | CAD PHOS | 936<br>336  | 1136<br>736 |              |              | 951<br>351 | 1151<br>751 |              |              | 970<br>370                    | 1170<br>770           |              |
| 2.250                                    | CAD PHOS | 937<br>337  | 1137<br>737 |              |              | 952<br>352 | 1152<br>752 |              |              | 980<br>380                    | 1180<br>780           |              |
| 2.500                                    | CAD PHOS | 938<br>338  | 1138<br>738 |              | .500         | 953<br>353 | 1153<br>753 |              |              | 981<br>381                    | 1181<br>781           |              |
| 2.750                                    | CAD PHOS | 939<br>339  | 1139<br>739 |              | .750         | 954<br>354 | 1154<br>754 |              | .500         | 982<br>382                    | 1182<br>782           |              |
| 3.000                                    | CAD PHOS | 940<br>340  | 1140<br>740 | 1.000        | 1.000        | 955<br>355 | 1155<br>755 |              | .750         | 983<br>383                    | 1183<br>783           |              |
| 3.250                                    | CAD PHOS | 941<br>341  | 1141<br>741 | .417         | 1.250        | 956<br>356 | 1156<br>756 | .125         | 1.000        | 984<br>384                    | 1184<br>784           | .500         |
| 3.500                                    | CAD PHOS | 942<br>342  | 1142<br>742 | .667         | 1.500        | 957<br>357 | 1157<br>757 | .375         | 1.250        | 985<br>385                    | 1185<br>785           | .750         |
| 3.750                                    | CAD PHOS | 943<br>343  | 1143<br>743 | .917         | 1.750        | 958<br>358 | 1158<br>758 | .625         | 1.500        | 986<br>386                    | 1186<br>786           | 1.000        |
| 4.000                                    | CAD PHOS | 944<br>344  | 1144<br>744 | 1.167        | 2.000        | 959<br>359 | 1159<br>759 | .875         | 1.750        | 987<br>387                    | 1187<br>787           | 1.250        |
| 4.500                                    | CAD PHOS | 945<br>345  | 1145<br>745 | 1.667        | 2.500        | 960<br>360 | 1160<br>760 | 1.375        | 2.250        | 988<br>388                    | 1188<br>788           | 1.750        |
| 5.000                                    | CAD PHOS | 946<br>346  | 1146<br>746 | 2.167        | 3.000        | 961<br>361 | 1161<br>761 | 1.875        | 2.750        | 989<br>389                    | 1189<br>789           | 2.250        |
| * SEE NOTE 6.                            |          |   |             |              |              |            |             |              |              |                               |                       |              |
| P A BC<br>Other Cusi<br>F2               |          | TITLE<br>BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,<br>GRADE 8, UNC-2A AND UNF-2A |             |              |              |            |             |              |              | MILITARY STANDARD<br>MS 35764 |                       |              |
| PROCUREMENT SPECIFICATION<br>MIL-B-45912 |          | SUPERSEDES BAR13 thru BAR13.3   |             |              |              |            |             |              |              | SHEET 6 OF 7                  |                       |              |

APPROVED 16 AUG 1956 REVISED 13 SEP 1966 19 JUN 1967 AUG 1969 15 MAY 1973 FOR CHANGES SEE SHEET 1



FED SUP CLASS  
5306

TABLE V - INTERCHANGEABILITY TABLE

Cadmium or zinc plated bolts covered by the dash numbers given in the original issue of this standard are canceled after 15 September 1961. The canceled bolts should be used for maintenance purposes until existing stocks are depleted. Replacement shall be in accordance with this table. The new dash numbers given in this table have been inactivated (see TABLE IV). Use only the dash numbers in Table I for new design and engineering.

| DASH NUMBERS         |                |                      |                |                      |                |                      |                |                      |                |
|----------------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|----------------|
| CANCELLED<br>MS35764 | NEW<br>MS35764 | CANCELLED<br>MS35764 | NEW<br>MS35764 | CANCELLED<br>MS35764 | NEW<br>MS35764 | CANCELLED<br>MS35764 | NEW<br>MS35764 | CANCELLED<br>MS35764 | NEW<br>MS35764 |
| 3                    | 403            | 77                   | 477            | 152                  | 452            | 452                  | 1052           | 523                  | 1123           |
| 4                    | 404            | 78                   | 478            | 153                  | 453            | 453                  | 1053           | 524                  | 1124           |
| 5                    | 405            | 79                   | 479            | 154                  | 454            | 454                  | 1054           | 525                  | 1125           |
| 6                    | 406            | 80                   | 480            | 155                  | 455            | 455                  | 1055           | 526                  | 1126           |
|                      |                | 81                   | 481            | 156                  | 456            | 456                  | 1056           | 527                  | 1127           |
| 9                    | 409            | 84                   | 484            | 157                  | 457            | 457                  | 1057           | 528                  | 1128           |
| 10                   | 410            | 85                   | 485            | 158                  | 458            | 458                  | 1058           | 529                  | 1129           |
| 11                   | 411            | 86                   | 486            | 159                  | 459            | 459                  | 1059           | 530                  | 1130           |
| 12                   | 412            | 87                   | 487            | 160                  | 460            | 460                  | 1060           | 531                  | 1131           |
| 13                   | 413            | 88                   | 488            | 161                  | 461            | 461                  | 1061           | 532                  | 1132           |
| 14                   | 414            | 89                   | 489            | 170                  | 470            | 464                  | 1064           | 533                  | 1133           |
| 15                   | 415            | 90                   | 490            | 171                  | 471            | 465                  | 1065           | 534                  | 1134           |
| 16                   | 416            | 91                   | 491            | 172                  | 472            | 466                  | 1066           | 535                  | 1135           |
| 17                   | 417            | 92                   | 492            | 173                  | 473            | 467                  | 1067           | 536                  | 1136           |
| 18                   | 418            | 93                   | 493            | 174                  | 474            | 468                  | 1068           | 537                  | 1137           |
| 19                   | 419            | 94                   | 494            | 175                  | 475            | 469                  | 1069           | 538                  | 1138           |
| 20                   | 420            | 95                   | 495            | 176                  | 476            | 470                  | 1070           | 539                  | 1139           |
| 21                   | 421            | 96                   | 496            | 177                  | 477            | 471                  | 1071           | 540                  | 1140           |
| 22                   | 422            | 97                   | 497            | 178                  | 478            | 472                  | 1072           | 541                  | 1141           |
| 23                   | 423            | 98                   | 498            | 179                  | 479            | 473                  | 1073           | 542                  | 1142           |
| 24                   | 424            | 99                   | 499            | 180                  | 480            | 474                  | 1074           | 543                  | 1143           |
| 25                   | 425            | 100                  | 500            | 181                  | 481            | 475                  | 1075           | 544                  | 1144           |
| 26                   | 426            | 101                  | 501            | 182                  | 482            | 476                  | 1076           | 545                  | 1145           |
| 27                   | 427            | 102                  | 502            | 183                  | 483            | 477                  | 1077           | 546                  | 1146           |
| 28                   | 428            | 103                  | 503            | 184                  | 484            | 478                  | 1078           | 547                  | 1147           |
| 29                   | 429            | 104                  | 504            | 185                  | 485            | 479                  | 1079           | 548                  | 1148           |
| 30                   | 430            | 105                  | 505            | 186                  | 486            | 480                  | 1080           | 549                  | 1149           |
| 31                   | 431            | 106                  | 506            | 187                  | 487            | 481                  | 1081           | 550                  | 1150           |
| 32                   | 432            | 107                  | 507            | 188                  | 488            | 482                  | 1082           | 551                  | 1151           |
| 33                   | 433            | 108                  | 508            | 189                  | 489            | 483                  | 1083           | 552                  | 1152           |
| 34                   | 434            | 109                  | 509            | 190                  | 490            | 484                  | 1084           | 553                  | 1153           |
| 35                   | 435            | 110                  | 510            | 191                  | 491            | 485                  | 1085           | 554                  | 1154           |
| 36                   | 436            | 111                  | 511            | 192                  | 492            | 486                  | 1086           | 555                  | 1155           |
| 37                   | 437            | 112                  | 512            | 193                  | 493            | 487                  | 1087           | 556                  | 1156           |
| 38                   | 438            | 113                  | 513            | 194                  | 494            | 488                  | 1088           | 557                  | 1157           |
| 39                   | 439            | 114                  | 514            | 195                  | 495            | 489                  | 1089           | 558                  | 1158           |
| 40                   | 440            | 115                  | 515            | 196                  | 496            | 490                  | 1090           | 559                  | 1159           |
| 41                   | 441            | 116                  | 516            | 197                  | 497            | 491                  | 1091           | 560                  | 1160           |
| 42                   | 442            | 117                  | 517            | 198                  | 498            | 492                  | 1092           | 561                  | 1161           |
| 43                   | 443            | 118                  | 518            | 199                  | 499            | 493                  | 1093           | 562                  | 1162           |
| 44                   | 444            | 119                  | 519            | 200                  | 500            | 494                  | 1094           | 563                  | 1163           |
| 45                   | 445            | 120                  | 520            | 201                  | 501            | 495                  | 1095           | 564                  | 1164           |
| 46                   | 446            | 121                  | 521            | 202                  | 502            | 496                  | 1096           | 565                  | 1165           |
| 47                   | 447            | 122                  | 522            | 203                  | 503            | 497                  | 1097           | 566                  | 1166           |
| 48                   | 448            | 123                  | 523            | 204                  | 504            | 500                  | 1100           | 567                  | 1167           |
| 49                   | 449            | 124                  | 524            | 205                  | 505            | 501                  | 1101           | 568                  | 1168           |
| 50                   | 450            | 125                  | 525            | 206                  | 506            | 502                  | 1102           | 569                  | 1169           |
| 51                   | 451            | 126                  | 526            | 207                  | 507            | 503                  | 1103           | 570                  | 1170           |
| 52                   | 452            | 127                  | 527            | 208                  | 508            | 504                  | 1104           | 571                  | 1171           |
| 53                   | 453            | 128                  | 528            | 209                  | 509            | 505                  | 1105           | 572                  | 1172           |
| 54                   | 454            | 129                  | 529            | 210                  | 510            | 511                  | 1111           | 573                  | 1173           |
| 55                   | 455            | 130                  | 530            | 211                  | 511            | 512                  | 1112           | 574                  | 1174           |
| 56                   | 456            | 131                  | 531            | 212                  | 512            | 513                  | 1113           | 575                  | 1175           |
| 57                   | 457            | 132                  | 532            | 213                  | 513            | 514                  | 1114           | 576                  | 1176           |
| 58                   | 458            | 133                  | 533            | 214                  | 514            | 515                  | 1115           | 577                  | 1177           |
| 59                   | 459            | 134                  | 534            | 215                  | 515            | 516                  | 1116           | 578                  | 1178           |
| 60                   | 460            | 135                  | 535            | 216                  | 516            | 517                  | 1117           | 579                  | 1179           |
| 61                   | 461            | 136                  | 536            | 217                  | 517            | 518                  | 1118           | 580                  | 1180           |
| 62                   | 462            | 137                  | 537            | 218                  | 518            | 519                  | 1119           |                      |                |
| 63                   | 463            | 138                  | 538            | 219                  | 519            | 520                  | 1120           |                      |                |
| 64                   | 464            | 139                  | 539            | 220                  | 520            | 521                  | 1121           |                      |                |
| 65                   | 465            | 140                  | 540            | 221                  | 521            | 522                  | 1122           |                      |                |
| 66                   | 466            | 141                  | 541            | 222                  | 522            |                      |                |                      |                |
| 67                   | 467            | 142                  | 542            | 223                  | 523            |                      |                |                      |                |
| 68                   | 468            | 143                  | 543            | 224                  | 524            |                      |                |                      |                |
| 69                   | 469            | 144                  | 544            | 225                  | 525            |                      |                |                      |                |
| 70                   | 470            | 145                  | 545            | 226                  | 526            |                      |                |                      |                |
| 71                   | 471            | 146                  | 546            | 227                  | 527            |                      |                |                      |                |
| 72                   | 472            | 147                  | 547            | 228                  | 528            |                      |                |                      |                |
| 73                   | 473            | 148                  | 548            | 229                  | 529            |                      |                |                      |                |
| 74                   | 474            | 149                  | 549            | 230                  | 530            |                      |                |                      |                |
| 75                   | 475            | 150                  | 550            |                      |                |                      |                |                      |                |
| 76                   | 476            | 151                  | 551            |                      |                |                      |                |                      |                |

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.

|  |   |                               |
|--|---|-------------------------------|
| P.A. NO<br>Other Code                    | TITLE<br>BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL,<br>GRADE 8, UNC-2A AND UNF-2A | MILITARY STANDARD<br>MS 35764 |
| PROCUREMENT SPECIFICATION<br>MIL-B-45912 | SUPERSEDES<br>BARX3 thru BARX33   | SHEET 1 OF 1                  |