

HAVENER:AV, IS, MI, MU
 USER:AT, CL, MC, ME, OS, SH, YD

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.

| NOMINAL SIZE | | .086 | .112 | .138 | .164 | .190 | .250 | .3125 | .375 | .500 |
|---------------------------|---------------------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| THREADS PER INCH (UNC-3A) | | 56 | 40 | 32 | 32 | 24 | 20 | 18 | 16 | 13 |
| J | SOCKET WIDTH ACROSS FLATS | NOM .035 | .050 | .062 | .078 | .094 | .125 | .156 | .188 | .250 |
| C | POINT DIAMETER | MAX .047 MIN .039 | .061 .051 | .074 .064 | .087 .076 | .102 .088 | .132 .118 | .172 .156 | .212 .194 | .291 .270 |

| L LENGTH | TOL | DASH NUMBER | | | | | | | | | | |
|----------|-------|-------------|-------|--------------|-------|--------------|-------|--------------|-------|-------|-------|-------|
| | | PLAIN | PLAIN | SELF-LOCKING | PLAIN | SELF-LOCKING | PLAIN | SELF-LOCKING | PLAIN | PLAIN | PLAIN | PLAIN |
| .125 | ±.010 | 1 | 8 | 101 | 17 | 111 | 27 | 111 | | | | |
| .140 | | 2 | 9 | 102 | 18 | 112 | 28 | 112 | 39 | 51 | | |
| .250 | | | 10 | 103 | 19 | 113 | 29 | 113 | 40 | 52 | 64 | 76 |
| .312 | | | 11 | 104 | 20 | 114 | 30 | 114 | 41 | 53 | 65 | 77 |
| .375 | | | | 105 | 21 | 115 | 31 | 115 | 42 | 54 | 66 | 78 |
| .438 | | | | 106* | | 116* | | 116* | | | | |
| .500 | | | | 107 | | 117 | 32 | 117 | 43 | 55 | 67 | 79 |
| .562 | | | | 108* | | 118* | | 118* | | | | |
| .625 | | | | 109 | | 119 | 33 | 119 | 44 | 56 | 68 | 80 |
| .750 | ±.020 | | | | | 120 | | 140 | 45 | 57 | 69 | 81 |
| .875 | | | | | | 121 | | 141 | | 58 | 70 | 82 |
| 1.000 | | | | | | | | 142 | | | | 92 |

(B) * Inactive for new design after 29 DEC 1972.

NOTES:

1. **MATERIAL:** Alloy steel in accordance with procurement specification, having a Rockwell Hardness of C45-53.
2. **PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
3. **THREADS:** The threads shall be in accordance with MIL-S-7742.
4. **DIMENSIONS:** All dimensions are in inches, unless otherwise specified.
5. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
Example: MS51965-1.
6. **SELF-LOCKING ELEMENT:**
 - (a) The self-locking element shall be in accordance with MIL-P-18240.
 - (b) For design and usage limitations, see MS15981.
 - (c) Location of effective locking area shall be in accordance with MS15981.
 - (d) Maximum ring gage diameter that locking region of setscrew must pass thru freely or with finger pressure shall be the nominal size plus 0.010.
 - (e) MIL-P-18240 doesn't establish torque requirements for lengths above the dashed line. Only a positive indication of torque is required.
7. Referenced documents shall be of the issue in effect on date of invitations for bid.
8. For design feature purposes, this standard takes precedence over procurement documents referenced herein.

(B) For changes see sheets 1 and 2.

| | | |
|---------------------------------------|---|------------------------------|
| P.A. WC Other Cont AS B2 | TITLE SETSCREW - HEXAGON SOCKET, FLAT POINT, ALLOY STEEL, CADMIUM PLATED, UNC-3A, PLAIN AND SELF-LOCKING | MILITARY STANDARD MS51965 |
| PROCUREMENT SPECIFICATION FF-S-200 | SUPERSEDES: MS51025, MS51027 and in part MS51053, MS18065, BCT12.6, BCT12.7, BCT12.13, BCT12.15, BC014.5 | SHEET 1 OF 2 |

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 29 JAN 1964 REVISED 10 SEP 1969 (B) 29 DEC 1972

FED. SUP CLASS
5305INTERCHANGEABILITY

Screws covered by the dash numbers given in MS51025 and MS51027 are cancelled after 29 January 1964 and superseded by the screws covered on MS51965 having the same dash numbers. Cancelled screws may be used until existing stocks are depleted. Use only MS51965 screws for new design.

Screws covered by the dash numbers given in MS51053 in part are cancelled/inactivated after 10 September 1969. Cancelled screws may be used until existing stocks are depleted. Use only the superseding screws for new design. Replacement shall be in accordance with Table II.

TABLE II

| CANCELLED | SUPERSEDING | CANCELLED | SUPERSEDING | CANCELLED | SUPERSEDING | CANCELLED | SUPERSEDING |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| MS51053 | MS51965 | MS51053 | MS51965 | MS51053 | MS51965 | MS51053 | MS51965 |
| DASH NUMBER | | DASH NUMBER | | DASH NUMBER | | DASH NUMBER | |
| 201 | ** | 213 | 9 | 220 | ** | 231 | ** |
| 202 | 1 | 214 | 10 | 226 | 17 | 232 | ** |
| 203 | 2 | 215 | 11 | 227 | 18 | 233 | ** |
| 204 | ** | 216 | ** | 228 | 19 | 234 | ** |
| 205 | ** | 217 | ** | 229 | 20 | 235 | ** |
| 211 | ** | 218 | ** | 230 | 21 | 236 | ** |
| 212 | 8 | 219 | ** | | | | |

** No Replacement

Screws covered by the dash numbers given in MS18065 in part are cancelled. Cancelled screws may be used until existing stocks are depleted. Use only the superseding screws for new design. Replacement shall be in accordance with Table III.

(B)

TABLE III

| CANCELLED | SUPERSEDING | CANCELLED | SUPERSEDING | CANCELLED | SUPERSEDING | CANCELLED | SUPERSEDING |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| MS18065 | MS51965 | MS18065 | MS51965 | MS18065 | MS51965 | MS18065 | MS51965 |
| DASH NUMBER | | DASH NUMBER | | DASH NUMBER | | DASH NUMBER | |
| 1 | 101 | 46 | 109 | 42 | 118 | 24 | 135 |
| 5 | 102 | 2 | 111 | 47 | 119 | 30 | 136 |
| 10 | 103 | 6 | 112 | 54 | 120 | 35 | 137 |
| 16 | 104 | 11 | 113 | 61 | 121 | 43 | 138 |
| 22 | 105 | 17 | 114 | 3 | 131 | 48 | 139 |
| 89 | 106 | 23 | 115 | 7 | 132 | 55 | 140 |
| 33 | 107 | 90 | 116 | 12 | 133 | 62 | 141 |
| 41 | 108 | 34 | 117 | 18 | 134 | 67 | 142 |

P.A. VC
Other Cont AS
82

TITLE

SETSCREW-HEXAGON SOCKET, FLAT POINT,
ALLOY STEEL, CADMIUM PLATED, UNC-3A,
PLAIN AND SELF-LOCKING (B)

MILITARY STANDARD

MS51965

PROCUREMENT SPECIFICATION
FF-S-200

SUPERSEDES: MS51025, MS51027 and in part MS51053, MS18065,
BCTX2.6, BCTX2.7, BCTX2.13, BCTX2.15 and BCUX4.5.

SHEET 2 OF 2

DD FORM 672-1 (Continued)

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APPROVED 29 JAN 1964 REVISED (A) 10 SEP 1969 (B) FOR CHANGES SEE SHEETS I AND 2.

REVIEWER: AV, IS, MI, MU
SERIAL: CL, MC, ME, OS, SH, YD

SPECIFICATION ANALYSIS SHEET

Form Approved
Budget Bureau No. 22-R255

INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.

SPECIFICATION

ORGANIZATION

CITY AND STATE

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

☐

DIRECT GOVERNMENT CONTRACT

☐

SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IS THE SPECIFICATION RESTRICTIVE?

☐

YES

☐

NO (If "yes", in what way?)

4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)

SUBMITTED BY (Printed or typed name and activity - Optional)

DATE

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

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