

FED. SUP CLASS
5305

- NOTES:
- (C) 1. **MATERIAL:** Carbon steel in accordance with Fed. Std. No. 66. The minimum ultimate tensile strength shall be 60,000 FSI.
- (C) 2. **PROTECTIVE COATING:** Cadmium plated in accordance with QQ-P-416, Type II, Class J.
3. **THREADS:** The threads shall be in accordance with Screw-Thread Standards For Federal Services, Handbook H28.
4. **DIMENSIONS:** All dimensions in Table I are in inches.
All dimensions in Table II are in millimetres.
5. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
Example: MS35265-1.
- (C) 6. **THREAD LENGTH:** Full form threads shall extend to within 2 threads or less of head bearing surface for lengths thru 2.00 inches/50.80 millimetres. Longer lengths shall have a minimum full form thread length of 1.50 inches/38.10 millimetres.
7. The drilled hole shall be approximately at a right angle to the slot and may be permitted to break through the bottom of the slot. All burrs and sharp edges shall be removed.
8. Referenced documents shall be of the issue in effect on date of invitations for bid.
9. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
10. **SUPERSEDES:** MS35263, MS35267, MS35269, BCCX1, BCCX2, BCFX1, BCFX1.4, BCFX2, BCFX2.1, BCFX2.4, BCFX8 and in part AN500, MS35361, MS35366, BCFX5 and BCFX7.

(C) TABLE II
METRIC TRANSLATION OF TABLE I

| | | 2.18 | 2.84 | 3.51 | 4.17 | 4.83 | 6.35 | 7.94 | 9.52 | |
|--------------|-------------------|------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|
| NOMINAL SIZE | | | | | | | | | | |
| THREAD PITCH | | .45 | .64 | .79 | .79 | 1.06 | 1.27 | 1.41 | 1.59 | |
| D | BODY DIAMETER | MAX MIN | 2.18 1.92 | 2.84 2.35 | 3.51 2.90 | 4.17 3.55 | 4.83 4.03 | 6.35 5.40 | 7.94 6.89 | 9.52 8.35 |
| A | HEAD DIAMETER | MAX MIN | 3.56 3.15 | 4.65 4.22 | 5.74 5.28 | 6.86 6.35 | 7.95 7.42 | 10.52 9.88 | 13.16 12.43 | 15.80 14.99 |
| H | HEAD SIDE HEIGHT | MAX MIN | 1.57 1.40 | 2.01 1.83 | 2.44 2.26 | 2.87 2.69 | 3.30 3.12 | 4.32 4.09 | 5.36 5.11 | 6.43 6.15 |
| O | TOTAL HEAD HEIGHT | MAX MIN | 2.11 1.78 | 2.72 2.39 | 3.35 3.00 | 3.96 3.58 | 4.57 4.19 | 6.02 5.56 | 7.49 7.01 | 9.02 8.46 |
| J | SLOT WIDTH | MAX MIN | .79 .58 | .99 .79 | 1.22 .99 | 1.37 1.14 | 1.52 1.27 | 1.90 1.63 | 2.13 1.83 | 2.39 2.06 |
| T | SLOT DEPTH | MAX MIN | .76 .56 | .97 .76 | 1.14 .89 | 1.65 1.37 | 1.90 1.63 | 2.59 2.21 | 3.30 2.79 | 3.91 3.40 |
| E | DRILL LOCATION | NOM | .66 | .89 | 1.09 | 1.09 | 1.09 | 1.57 | 1.98 | 2.39 |
| F | DRILLED HOLE DIA | NOM | .79 | .94 | 1.17 | 1.17 | 1.17 | 1.57 | 1.78 | 1.78 |
| R | RADIUS | MAX | .33 | .43 | .53 | .64 | .71 | .97 | 1.19 | 1.42 |
| L LENGTH | TOLERANCE | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 3.05 | +.00 -.76 | 1 | 11 | 24 | 39 | | | | | |
| 4.93 | | 2 | 12 | 25 | 40 | 58 | | | | |
| 6.35 | | 3 | 13 | 26 | 41 | 59 | | | | |
| 7.67 | | 4 | 14 | 27 | 42 | 60 | 76 | | | |
| 9.65 | | 5 | 15 | 28 | 43 | 61 | 77 | 92 | | |
| 11.16 | | 6 | 16 | 29 | 44 | 62 | 78 | 93 | | |
| 12.70 | | 7 | 17 | 30 | 45 | 63 | 79 | 94 | 107 | |
| 15.75 | | 8 | 18 | 31 | 46 | 64 | 80 | 95 | 108 | |
| 19.05 | | 9 | 19 | 32 | 47 | 65 | 81 | 96 | 109 | |
| 22.35 | | 10 | 20 | 33 | 48 | 66 | 82 | 97 | 110 | |
| 25.40 | | | 21 | 34 | 49 | 67 | 83 | 98 | 111 | |
| 31.75 | +.00 -1.52 | | 22 | 35 | 50 | 68 | 84 | 99 | 112 | |
| 38.10 | | | 23 | 36 | 51 | 69 | 85 | 100 | 113 | |
| 44.45 | | | | 37 | 52 | 70 | 86 | 101 | 114 | |
| 50.80 | | | | 38 | 53 | 71 | 87 | 102 | 115 | |
| 57.15 | +.00 -2.29 | | | | 54 | 72 | 88 | 103 | 116 | |
| 63.50 | | | | | 55 | 73 | 89 | 104 | 117 | |
| 69.85 | | | | | 56 | 74 | 90 | 105 | 118 | |
| 76.20 | | | | | 57 | 75 | 91 | 106 | 119 | |

APPROVED 9 FEB 1954 REVISED (A) 15 JUN 1962 (B) 12 NOV 1964 (C) FOR CHANGES SEE SHEETS 1 AND 2.

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.

| | | |
|--------------------------------------|---|-------------------|
| P.A. 50 | TITLE | MILITARY STANDARD |
| Other Code 32 | SCREW, MACHINE-DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, UNC-2A | MS 35265 |
| PROCUREMENT SPECIFICATION FF-S-92 | SUPERSEDES See note 10 | SHEET 2 OF 3 |

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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INTERCHANGEABILITY

Screws covered by dash numbers given in MS35263, MS35267, MS35269 and in part AN500 are canceled after 12 November 1964. The canceled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for new design and replacement. Replacement shall be in accordance with Table III.

TABLE III

| PART NUMBER | | | PART NUMBER | | | PART NUMBER | | |
|-------------------------------|-------|---------------|-------------------------------|---------|---------------|-------------------------------|---------|---------------|
| CANCELED | | SUPERSEDED BY | CANCELED | | SUPERSEDED BY | CANCELED | | SUPERSEDED BY |
| MS35263 MS35267 MS35269 | AN500 | MS35265 | MS35263 MS35267 MS35269 | AN500 | MS35265 | MS35263 MS35267 MS35269 | AN500 | MS35265 |
| 1 | | 1 | 40 | | 40 | 82 | A416-14 | 82 |
| 2 | A2-3 | 2 | 41 | A8-4 | 41 | 83 | A416-16 | 83 |
| 3 | A2-4 | 3 | 42 | A8-5 | 42 | | A416-18 | NR |
| 4 | A2-5 | 4 | 43 | A8-6 | 43 | 84 | A416-20 | 84 |
| 5 | A2-6 | 5 | 44 | A8-7 | 44 | | A416-22 | NR |
| 6 | A2-7 | 6 | 45 | A8-8 | 45 | 85 | A416-24 | 85 |
| 7 | A2-8 | 7 | 46 | A8-10 | 46 | 86 | A416-28 | 86 |
| 8 | A2-10 | 8 | 47 | A8-12 | 47 | 87 | A416-32 | 87 |
| 9 | A2-12 | 9 | 48 | A8-14 | 48 | 88 | | 88 |
| 10 | | 10 | 49 | A8-16 | 49 | 89 | A416-40 | 89 |
| | A3-3 | NR | | A8-18 | NR | 90 | | 90 |
| | THRU | NR | 50 | A8-20 | 50 | 91 | A416-48 | 91 |
| | A3-12 | NR | | A8-22 | NR | 92 | A516-6 | 92 |
| 11 | | 11 | 51 | A8-24 | 51 | 93 | A516-7 | 93 |
| 12 | A4-3 | 12 | 52 | A8-28 | 52 | 94 | A516-8 | 94 |
| 13 | A4-4 | 13 | 53 | A8-32 | 53 | 95 | A516-10 | 95 |
| 14 | A4-5 | 14 | 54 | | 54 | 96 | A516-12 | 96 |
| 15 | A4-6 | 15 | 55 | | 55 | 97 | A516-14 | 97 |
| 16 | A4-7 | 16 | 56 | | 56 | 98 | A516-16 | 98 |
| 17 | A4-8 | 17 | 57 | | 57 | | A516-18 | NR |
| | | | 58 | | 58 | 99 | A516-20 | 99 |
| 18 | A4-10 | 18 | 59 | A10-4 | 59 | | A516-22 | NR |
| 19 | A4-12 | 19 | 60 | A10-5 | 60 | 100 | A516-24 | 100 |
| 20 | | 20 | 61 | A10-6 | 61 | 101 | A516-28 | 101 |
| 21 | | 21 | 62 | A10-7 | 62 | 102 | A516-32 | 102 |
| 22 | | 22 | 63 | A10-8 | 63 | 103 | | 103 |
| 23 | A5-3 | NR | 64 | A10-10 | 64 | 104 | A516-40 | 104 |
| | THRU | NR | 65 | A10-12 | 65 | 105 | | 105 |
| | A5-12 | NR | 66 | A10-14 | 66 | 106 | A516-48 | 106 |
| 24 | | 24 | 67 | A10-16 | 67 | | A516-6 | NR |
| | | | | A10-18 | NR | | A616-7 | NR |
| 25 | A6-3 | 25 | 68 | A10-20 | 68 | 107 | A616-8 | 107 |
| 26 | A6-4 | 26 | | A10-22 | NR | 108 | A616-10 | 108 |
| 27 | A6-5 | 27 | 69 | A10-24 | 69 | 109 | A616-12 | 109 |
| 28 | A6-6 | 28 | 70 | A10-28 | 70 | 110 | A616-14 | 110 |
| 29 | A6-7 | 29 | 71 | A10-32 | 71 | 111 | A616-16 | 111 |
| 30 | A6-8 | 30 | 72 | | 72 | | A616-18 | NR |
| 31 | A6-10 | 31 | 73 | A10-40 | 73 | 112 | A616-20 | 112 |
| 32 | A6-12 | 32 | 74 | | 74 | | A616-22 | NR |
| 33 | A6-14 | 33 | 75 | A10-48 | 75 | 113 | A616-24 | 113 |
| 34 | A6-16 | 34 | | | | | | |
| | A6-18 | NR | 76 | | 76 | 114 | A616-28 | 114 |
| 35 | A6-20 | 35 | 77 | A416-6 | 77 | 115 | A616-32 | 115 |
| | A6-22 | NR | 78 | A416-7 | 78 | 116 | | 116 |
| 36 | A6-24 | 36 | 79 | A416-8 | 79 | 117 | A616-40 | 117 |
| 37 | A6-28 | 37 | 80 | A416-10 | 80 | 118 | | 118 |
| 38 | A6-32 | 38 | 81 | A416-12 | 81 | 119 | A616-48 | 119 |
| 39 | | 39 | | | | | | |

NR - No Replacement

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REVIEWER: AV, EL, IS
USER: AS, AT, MC
ME, MU, OS, SH, VV, YD

APPROVED 9 FEB 1954 REVISED (A) 15 JUN 1962 (B) 12 NOV 1964 (C) FOR CHANGES SEE SHEETS 1 AND 2.

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|--------------------------------------|--|-------------------------------|
| P.A. WC Other Code 82 | TITLE SCREW, MACHINE-DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, UNC-2A | MILITARY STANDARD MS 35265 |
| PROCUREMENT SPECIFICATION FF-5-92 | SUPERSEDES: See note 10 | SHEET 3 OF 3 |

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

