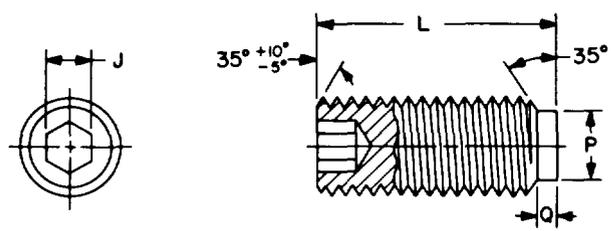


FED. SUP CLASS  
5305



REVIEWER: AV, IS, MU, NS  
(SER: AT, GL, MC, ME, MI, OS, SH, YD)

|                           |                                  |              |              |              |              |              |              |              |              |              |
|---------------------------|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| NOMINAL SIZE              |                                  | .086         | .112         | .138         | .164         | .190         | .250         | .3125        | .375         | .500         |
| THREADS PER INCH (UNF-3A) |                                  | 64           | 48           | 40           | 36           | 32           | 28           | 24           | 24           | 20           |
| J                         | SOCKET WIDTH ACROSS FLATS<br>NOM | .035         | .050         | .062         | .078         | .094         | .125         | .156         | .188         | .250         |
| P                         | POINT DIAMETER<br>MAX<br>MIN     | .057<br>.053 | .075<br>.070 | .092<br>.087 | .109<br>.103 | .127<br>.120 | .156<br>.149 | .203<br>.195 | .250<br>.241 | .344<br>.334 |
| Q                         | POINT LENGTH<br>MAX<br>MIN       | .024<br>.020 | .030<br>.026 | .038<br>.032 | .043<br>.037 | .049<br>.041 | .067<br>.059 | .082<br>.074 | .099<br>.089 | .130<br>.120 |
| L                         | LENGTH                           | DASH NUMBER  |              |              |              |              |              |              |              |              |
|                           | TOL.                             | 1*           | 8*           | 15*          | 24*          | 34           | 44           |              |              |              |
| .188                      | ±.010                            | 2*           | 9*           | 16*          | 25*          | 35           | 45*          | 53           |              |              |
| .250                      |                                  |              |              | 17*          | 26*          | 36*          | 46           | 54           | 62           |              |
| .312                      |                                  |              |              | 18*          | 27*          | 37*          | 47*          | 55*          | 63           | 71           |
| .375                      |                                  |              |              |              |              | 38*          |              | 56*          | 64*          | 72*          |
| .500                      |                                  |              |              |              |              |              |              |              |              |              |
| .625                      |                                  |              |              |              |              |              |              |              |              |              |
| .750                      | ±.020                            |              |              |              |              |              |              |              | 65*          | 73*          |

(A) \*Inactive for new design after 31 MAR 1972.

NOTES:

- MATERIAL.** Alloy steel in accordance with procurement specification, having a Rockwell Hardness of C45-53.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
- THREADS:** The threads shall be in accordance with MIL-S-7742.
- DIMENSIONS:** All dimensions are in inches, unless otherwise specified.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS51976-34
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.

INTERCHANGEABILITY

(A) Screws covered by dash numbers given in MS51042 and MS51044 are cancelled after 6 March 1964 and superseded by the screws covered on MS51976 having the same dash numbers. Cancelled screws may be used until existing stocks are depleted. Use only MS51976 screws for new design.

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.

APPROVED 6 MAR 1964 REVISED (A) 31 MAR 1972

|                                       |   |  |
|---------------------------------------|---|--|
| P.A. WC<br>Other Cust AS<br>82        | TITLE<br><b>SETSCREW - HEXAGON SOCKET, HALF-DOG POINT,<br/>ALLOY STEEL, CADMIUM PLATED, UNF-3A</b>  | <b>MILITARY STANDARD</b><br><b>MS51976</b> |
| PROCUREMENT SPECIFICATION<br>FF-S-200 | SUPERSEDES: MS51042, MS51044 and in part BCTX2.2, BCTX2.3, BCTX2.8, BCTX2.9, BCTX2.11 and BCTX2.14. | SHEET 1 OF 1                               |