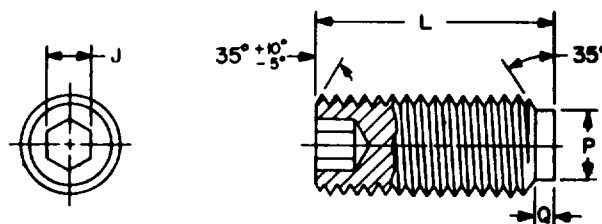


REVIEWER: AV, IS, MU, NS
USER: AT, GL, MC, ME, MI, OS, SH, YD



FED. SUP CLASS
5305

TABLE I

NOMINAL SIZE		.086	.112	.138	.164	.190	.250	.3125	.375	.500	.625
THREADS PER INCH (UNC-3A)		56	40	32	32	24	20	18	16	13	11
J SOCKET WIDTH ACROSS FLATS	NOM	.035	.050	.062	.078	.094	.125	.156	.188	.250	.312
P POINT DIAMETER	MAX MIN	.057 .053	.075 .070	.092 .087	.109 .103	.127 .120	.156 .149	.203 .195	.250 .241	.344 .334	.469 .456
Q POINT LENGTH	MAX MIN	.024 .020	.030 .026	.038 .032	.043 .037	.049 .041	.067 .059	.082 .074	.099 .089	.130 .120	.164 .148
L LENGTH	TOL.	DASH NUMBER									
.125	±.010	1	9	18							
.188		2	10	19	29	39					
.250		3	11	20	30	40	49	61			
.312			12	21	31	41	50	62			
.375	±.020			22	32	42	51	63	73		
.500				23	33	43	52	64	74	84	94
.625							53	65	75	85	95
.750							54	66	76	86	96
1.000							55	67	77	87	97
1.250									78	88	98

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: MS51977-1.
- 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

Screws covered by dash numbers given in MS51041 and MS51043 are cancelled after 6 March 1964 and superseded by the screws covered on MS51977 having the same dash numbers. Cancelled screws may be used until existing stocks are depleted. Use only MS51977 screws for new design.

(C)

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	MS51977	MS51053	MS51977	MS51053	MS51977	MS51053	MS51977
DASH NUMBER		DASH NUMBER		DASH NUMBER		DASH NUMBER	
501	**	513	10	520	**	531	**
502	1	514	11	526	18	532	23
503	2	515	12	527	19	533	**
504	3	516	**	528	20	534	**
505	**	517	**	529	21	535	**
511	**	518	**	530	22	536	**
512	9	519	**				

** No Replacement

P.A.	WC	TITLE	MILITARY STANDARD
Other Cust	AS 82	SETSCREW - HEXAGON SOCKET, HALF-DOG POINT, ALLOY STEEL, CADMIUM PLATED, UNC-3A	MS51977
PROCUREMENT SPECIFICATION FF-S-200		SUPERSEDES: MS51041, MS51043, BCUX4.2 and in part MS51053, BCTX2.2, BCTX2.3, BCTX2.8, BCTX2.9, BCTX2.11 and BCTX2.14.	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 6 MAR 1964 REVISED (A) 10 SEP 1969 (B) 22 JUN 1970 (C) 31 MAR 1972

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.