

It detach this form, cut along this line.

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.

FED. SUP. CLASS 5305													
TABLE 1													
NOMINAL SIZE		.106	.112	.138	.164	.190	.250	.3125	.375	.500			
THREADS PER INCH (UNC-3A)		56	40	32	32	24	20	16	16	13			
J SOCKET WIDTH ACROSS FLATS NOM		.035	.050	.062	.078	.094	.125	.156	.188	.250			
C POINT DIAMETER		MAX .047 MIN .030	.061 .051	.074 .064	.087 .076	.102 .088	.132 .118	.172 .156	.212 .194	.291 .270			
DASH NUMBER													
L LENGTH	TOL	PLAIN	PLAIN	SELF LOCK	PLAIN	SELF LOCK	PLAIN	SELF LOCK	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN
.125	±.010	1*	9*	101	17*	111	26*	131*	35*	48*	60*	72*	83*
.188		2*	10*	102	18*	112	27*	132	36*	49*	61*	73*	
.250		3*	11*	103	19*	113	28*	133	37*	50*	62*	74*	
.312				104	20*	114	29*	134	38*	51*	63*	75*	
.375				105		115		135		52*	64*	76*	
.438					116*		136*		53*	65*	77*	84*	
.500					106*		137		54*	66*	78*	85*	
.562					107		138*		55*				
.625					108*		139		56*				
.750	±.020					120		140	42*				
.875						121		141					
1.000								142					
* Inactive for new design after 29 DEC 1972. (B)													
NOTES: 1. MATERIAL: Corrosion-Resisting Steel, 300 Series, in accordance with procurement specification. 2. PROTECTIVE COATING: Passivated in accordance with QQ-P-35. 3. THREADS: The threads shall be in accordance with MIL-S-7742. 4. MAGNETIC PERMEABILITY: These setscrews have a magnetic permeability of 2.0 max (air = 1.0) for a field strength of H = 200 oersteds, when using a magnetic indicator per MIL-I-17214. 5. DIMENSIONS: All dimensions are in inches, unless otherwise specified. 6. PART NUMBER: The MS part number consists of the MS number, plus the dash number. Example: MS51029-101 7. SELF-LOCKING ELEMENT: (a) The self-locking element shall be in accordance with MIL-F-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-F-18240 doesn't establish torque requirements for lengths above the dashed line. Only a positive indication of torque is required. 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.													
(B) For changes see sheets 1 and 2.													
P.A. WC Other Cost 82		TITLE SETSCREW-HEXAGON SOCKET, FLAT POINT, CORROSION-RESISTING STEEL, PASSIVATED, UNC-3A, PLAIN AND SELF-LOCKING (B)								MILITARY STANDARD MS51029			
PROCUREMENT SPECIFICATION FF-S-200		SUPERSEDES MS51030 and in part MS18066, BCIX2.13 and BCUX4.5.								SHEET 1 OF 2			

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 7 MAY 1958 REVISED (A) 29 JAN 1964 (B) 29 DEC 1972

FED. SUP. CLASS
5305

INTERCHANGEABILITY

Screws covered by the dash numbers given in MS51030 are cancelled after 29 January 1964 and superseded by the screws covered on MS51029 having the same dash numbers. Cancelled screws may be used until existing stocks are depleted. Use only MS51029 screws for new design.

- ⑧ Screws covered by the dash numbers given in MS18066 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 II.

TABLE II

CANCELLED	SUPERSEDING	CANCELLED	SUPERSEDING	CANCELLED	SUPERSEDING	CANCELLED	SUPERSEDING
MS18066	MS51029	MS18066	MS51029	MS18066	MS51029	MS18066	MS51029
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

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

APPROVED 7 MAY 1958 REVISED ① 29 JAN 1964 ⑧ FOR CHANGES SEE SHEETS 1 AND 2

P.A. WC Other Code 82	TITLE SETSCREW - HEXAGON SOCKET, FLAT POINT, CORROSION-RESISTING STEEL, PASSIVATED, UNC-3A, PLAIN AND SELF-LOCKING ⑧	MILITARY STANDARD MS51029
PROCUREMENT SPECIFICATION 77-S-200	SUPERSEDING MS51030 and in part MS18066, BCT12.13 and BCU24.5.	SHEET 2 OF 2