

REVIEWER: AT, AV, EL, ME, NSA  
USER: CL

NOMINAL SIZE		NO. 4 (.112)	NO. 6 (.138)	NO. 8 (.164)	NO. 10 (.190)	1/4 (.250)	5/16 (.312)
THREADS PER INCH		24	20	16	16	14	12
A	WIDTH ACROSS FLATS	MAX .187 MIN .181	.250 .244	.250 .244	.312 .305	.375 .367	.500 .489
	WIDTH ACROSS CORNERS	MIN .202	.272	.272	.340	.409	.545
H	HEAD HEIGHT	MAX .060 MIN .049	.093 .080	.110 .096	.120 .105	.190 .172	.230 .206
	J SLOT WIDTH	MAX .039 MIN .031	.048 .039	.054 .045	.060 .050	.075 .064	.084 .072
T	SLOT DEPTH	MAX .036 MIN .025	.046 .033	.066 .052	.072 .057	.101 .083	.122 .100

  

L LENGTH	TOL.	DASH NUMBER											
		CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL
.25	±.03	1	11										
.31		2	12	22	32								
.38		3	13	23	33	43	53						
.50		4	14	24	34	44	54	64	74				
.62		5	15	25	35	45	55	65	75	85	95		
.75		6	16	26	36	46	56	66	76	86	96	106	116
.88	±.05			27	37	47	57	67	77	87	97	107	117
1.00						48	58	68	78	88	98	108	118
1.25								69	79	89	99	109	119
1.50								70	80	90	100	110	120
1.75										91	101	111	121
2.00										92	102	112	122

  

**NOTES:**

- MATERIAL:** Carbon steel and corrosion-resisting steel in accordance with procurement specification.
- PROTECTIVE COATING:** Carbon steel - Cadmium plating in accordance with procurement specification.  
Cres steel - Passivated in accordance with procurement specification.
- DIMENSIONS:** All dimensions are in inches.
- HOLE SIZES:** For approximate hole sizes see MS24632.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS51850-1.
- 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.
- For point taper lengths, see USAS B18.6.4.

P A WC Other Cast	TITLE SCREW, TAPPING-THREAD FORMING, TYPE AB, HEXAGON HEAD, SLOTTED	MILITARY STANDARD MS51850 (WC)
PROCUREMENT SPECIFICATION FF-S-107	SUPERSEDES	SHEET 1 OF 1

This military standard is approved by the Weapons Command, Department of the Army and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 18 SEP 1968 REVISED