



REVIEWER: AT, AV, EL, ME, MSA  
USER: CL, MI

NOMINAL SIZE	NO. 4 (.112)	NO. 6 (.139)	NO. 8 (.164)	NO. 10 (.190)	1/4 (.250)	3/16 (.312)	3/8 (.375)
THREADS PER INCH	40	32	32	24	20	18	16
A WIDTH ACROSS FLATS	MAX .187 MIN .181	.250 .244	.250 .244	.312 .305	.375 .367	.500 .489	.562 .551
W WIDTH ACROSS CORNERS	MIN .202	.272	.272	.340	.409	.545	.614
H HEAD HEIGHT	MAX .060 MIN .049	.093 .080	.110 .096	.120 .105	.190 .172	.230 .208	.295 .270
J SLOT WIDTH	MAX .039 MIN .031	.048 .039	.054 .045	.060 .050	.075 .064	.084 .072	.094 .081
T SLOT DEPTH	MAX .036 MIN .025	.046 .033	.066 .052	.072 .057	.101 .083	.122 .100	.156 .131

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	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	
.25	+.00 -.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	126	136			
.88	+.00 -.05			27	37	47	57	67	77	87	97	107	117	127	137			
1.00						48	58	68	78	88	98	108	118	128	138			
1.25								69	79	89	99	109	119	129	139			
1.50									70	80	90	100	110	120	130	140		
1.75	+.00 -.06										91	101	111	121	131	141		
2.00												92	102	112	122	132	142	

- 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 MS24634.
  - POINT TAPER LENGTH:** Point taper lengths shall be in accordance with USAS B18.6.4
  - PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS51851-1.
  - 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.

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

P.A. WC Cdr. Cust	TITLE SCREW, TAPPING - THREAD CUTTING, TYPE D, HEXAGON HEAD, SLOTTED	MILITARY STANDARD MS51851 (WC)
PROCUREMENT SPECIFICATION FF-5-107	SUPERSEDES	SHEET 1 OF 1