



REVIEWER:EAJS,MI,NS,PA,WV  
USER:ATEL,CL,MC,ME,MU,OS

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
.250	±.031	1	1C								
.312				12	12C						
.375		3	3C	13	13C	21	23C	33	33C		
.500		4	4C	14	14C	24	24C	34	34C	54	54C
.625		5	5C	15	15C	25	25C	35	35C	55	55C
.750	±.047	6	6C	16	16C	26	26C	36	36C	56	56C
.875				17	17C	27	27C	37	37C	57	57C
1.000				18	18C	28	28C	38	38C	58	58C
1.250						29	29C	39	39C	59	59C
1.500						30	30C	40	40C	60	60C
1.750							41	41C	61	61C	
2.000							42	42C	62	62C	
2.250									63	63C	
2.500									64	64C	

NOTES:

- ① 1. **MATERIAL:** Carbon steel shall be AISI 1016, 1018, 1019, 1021, 1022 or 1024 (hardened) in accordance with Fed. Std. No. 66.  
Corrosion-resisting steel shall be AISI 410 (hardened) in accordance with Fed. Std. No. 66.
- ① 2. **PROTECTIVE COATING:** Carbon steel shall be cadmium plated in accordance with QQ-P-416, Type II, Class 3.  
Corrosion-resisting steel shall be passivated in accordance with QQ-P-35.
3. **THREADS:** The threads shall be in accordance with procurement specification
4. **RECESS:** The recess shall be in accordance with MS9006.
5. **SHORT LENGTHS:** Lengths above dotted line shall have undercut heads.
6. **HOLE SIZES:** For approximate hole sizes see MS24632.
7. **DIMENSIONS:** All dimensions are in inches, unless otherwise specified.
8. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS51862-1.
9. Referenced documents shall be of the issue in effect on date of invitations for bid.
10. For design feature purposes, this standard takes precedence over procurement documents referenced herein.

This standard is approved 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.

P.A. WC Other Cost YD 52	TITLE <b>SCREW, TAPPING - THREAD FORMING, TYPE AB, FLAT 82° COUNTERSUNK HEAD, CROSS-RECESSED</b>	<b>MILITARY STANDARD MS51862</b>
PROCUREMENT SPECIFICATION FF-S-107	SUPERSEDES: MS24615, MS24616, MS24619, MS24620, MS24635, MS24636, MS24639 & MS24640; BCXX2.1, BCXX4.1, BCXX4.2 & BCXX4.2.	SHEET 1 OF 2