



(A) ENTIRE STANDARD REVISED

NOMINAL SIZE	#4 112	#6 138	#8 164	#10 190	#10 190	1/4 250
THREADS PER INCH						
A HEAD DIAMETER	MAX .238 MIN .205	MAX .294 MIN .256	MAX .347 MIN .306	MAX .403 MIN .357	MAX .403 MIN .357	MAX .517 MIN .473
H HEAD HEIGHT	MAX .080 MIN .070	MAX .097 MIN .087	MAX .115 MIN .105	MAX .133 MIN .122	MAX .133 MIN .122	MAX .175 MIN .162
M DIAMETER OF RECESS	MAX 122 MIN 109	MAX 166 MIN 153	MAX 182 MIN 169	MAX 199 MIN 186	MAX 199 MIN 186	MAX 281 MIN 268
T DEPTH OF RECESS	MAX 078 MIN 060	MAX 091 MIN 066	MAX 108 MIN 082	MAX 124 MIN 100	MAX 124 MIN 100	MAX 161 MIN 135
N WIDTH OF RECESS	MIN 019	MIN 028	MIN 030	MIN 031	MIN 031	MIN 036
DRIVER SIZE	1	2	2	2	2	3
L LENGTH	TOLERANCE		TOLERANCE		TOLERANCE	
	250 +0.00 -0.02	312 +0.00 -0.02	375 +0.00 -0.02	438 +0.00 -0.02	500 +0.00 -0.02	562 +0.00 -0.02
OF THREAD (SEE NOTE 4)	1	2	2	2	2	3
	11	12	21	31	39	47
	2	13	22	40	40	48
	3	14	23	32	32	48
	4	15	24	33	33	49
	5	16	25	34	34	50
	**6	**16	**26	**34	**42	**50
	7	17	27	35	35	51
	8	18	28	36	36	52
	9	19	29	37	37	53
	10	20	30	38	38	54
	-	-	-	-	-	**55
	-	-	-	-	-	56

\*(See NOTE 8)  
\*\*Inactive for new design after 30 April 1977.  
For NOTES See PAGE 2

P A Other Cost	OS WC 99	INTERNATIONAL INTEREST	TITLE SCRLWS, MACHINE, PAN HEAD, CROSS RECESSED, SELF-SEALING, INTEGRAL FLUOROSILICONE O-RING, PLAIN AND SELF-LOCKING	MILITARY STANDARD <b>MS3213</b>
PROCUREMENT SPECIFICATION MIL-S-82496	SUPLRSEDES:	SHEET 1 OF 2		

NOTES:

- 1 **MATERIAL:**
  - (a) Screw Corrosion-resisting steel (CRES) in accordance with MIL-S-82496
  - (b) O-ring Fluorosilicone rubber, Composition B in accordance with MIL-S-82496 (resistant to MIL-H-5606 hydraulic fluid and Type III fuel of TT-S-735)
- 2 **PROTECTIVE COATING.** Screws shall be passivated in accordance with QQ-P-35.
- 3 **THREADS:** Threads shall be in accordance with NBS Handbook H28
- 4 **THREAD LENGTH.** Length of thread shall be in accordance with ANSI B18 6 3-1972
- 5 **RECESS.** The recess shall be in accordance with the dimensions of Type I cross-recessed pan head machine screws of ANSI B18 6 3-1972
- 6 **SELF-LOCKING ELEMENT:** When self-locking screws are required, the self-locking element shall be a non-metallic element in accordance with MIL-F-18240 and MS15981
- 7 **DIMENSIONS:** All dimensions are in inches
- 8 **PART NUMBER:** The MS part number consists of the MS number, plus the dash number, plus the letter "L" for self-locking screws
 

Examples MS3213-29 is the part number for a 0.875-inch long .164-32 UNC-2A screw MS3213-29L is the part number for an identical screw with the self-locking feature added
- 9 **OTHER NOTES**
  - (a) For design feature purposes, this standard takes precedence over procurement documents referenced herein.
  - (b) Referenced documents shall be of the issue in effect on the date of invitations for bids, or request for proposal, except that industry documents shall be of the date of the issue adopted

Examples MS3213-29 is the part number for a 0.875-inch long .164-32 UNC-2A screw MS3213-29L is the part number for an identical screw with the self-locking feature added

APPROVED 27 May 68 REVISED (A) For changes see pages 1 and 2

P A Other Cust	OS WC 99	INTERNATIONAL INTEREST	TITLE SCREWS, MACHINE, PAN HEAD, CROSS-RECESSED, SELF-SEALING, INTEGRAL FLUOROSILICONE O-RING, PLAIN AND SELF-LOCKING	<b>MILITARY STANDARD</b> <b>MS3213</b>
PROCUREMENT SPECIFICATION MIL-S 82496			SUPERSEDES:	SHEET 2 OF 2

ARMY - AV  
NAVY - MC, EC

USER ACTIVITIES

ARMY - MI, AI  
DLA - IS

REVIEWER ACTIVITIES

This military standard is approved for use by all Departments and Agencies of the Department of Defense in lieu of all other engineering and design applications and for repetitive use shall be made from this document