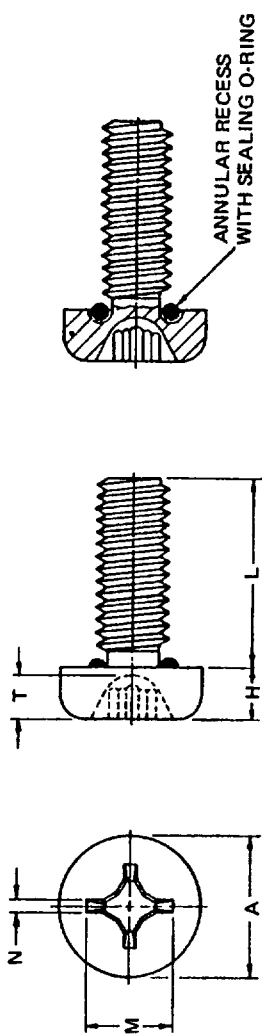


USER ACTIVITIES. ARMY - AV  
NAVY - MC, EC

RESEARCH ACTIVITIES ARMY - MI, AT  
DLA - IS

This standard is approved for use by all Departments and Agencies of the Department of Defense  
except for all manufacturing and design applications and for repetitive use shall be made from this  
document.



NOMINAL SIZE	#4		#6		#8		#10		#10		1/4	
	112	138	152	164	186	199	211	223	235	247	259	271
THREADS PER INCH	40UNC-2A		32UNC-2A		32UNF-2A		24UNC-2A		20UNC-2A		20UNC-2A	
A HEAD DIAMETER	MAX	.238	.294	.347	.403	.457	.511	.565	.619	.673	.727	.781
	MIN	.205	.256	.306	.357	.403	.457	.511	.565	.619	.673	.727
H HEAD HEIGHT	MAX	.080	.097	.115	.133	.151	.169	.187	.205	.223	.241	.259
	MIN	.070	.087	.105	.122	.140	.158	.176	.194	.212	.230	.248
M DIAMETER OF RECESS	MAX	.122	.166	.182	.199	.215	.231	.247	.263	.279	.295	.311
	MIN	.109	.153	.169	.186	.202	.218	.234	.250	.266	.282	.298
T DEPTH OF RECESS	MAX	.078	.091	.108	.124	.141	.157	.174	.190	.207	.223	.240
	MIN	.060	.066	.082	.098	.114	.130	.146	.162	.178	.194	.210
N WIDTH OF RECESS	MAX	.019	.028	.030	.031	.031	.031	.031	.031	.031	.031	.031
	MIN	.019	.028	.030	.031	.031	.031	.031	.031	.031	.031	.031
DRIVER SIZE	1		2		2		2		2		3	
L LENGTH	TOLERANCE		TOLERANCE		TOLERANCE		TOLERANCE		TOLERANCE		TOLERANCE	
	250	+0.00	312	-0.02	375		438		500		562	
LENGTH OF THREAD (SEE NOTE 4)	625	+0.00	750	-0.03	875	+0.00	1000	-0.03	1125	+0.00	1250	-0.06
	1250		1500		1750		2000		2250		2500	

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

(A) ENTIRE STANDARD REVISED

P A Other Cost WC 99	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	OF
				1	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

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 connection with engineering and design applications and for repetitive use shall be made from this document

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

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