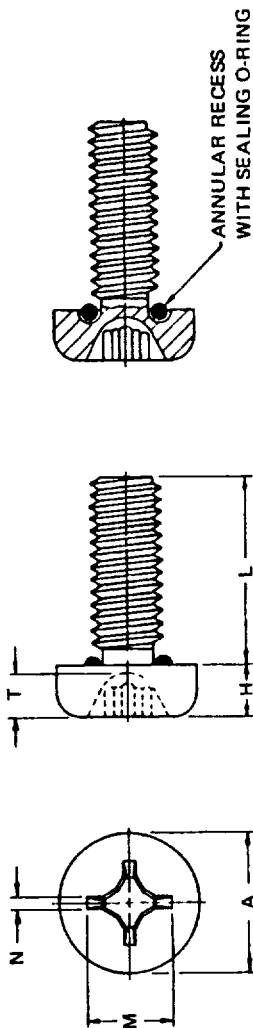


REVIEWER ACTIVITIES ARMY - ME  
NAVY - MC, EC

USER ACTIVITIES ARMY - MI, AT, EA, AV  
DLA IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense  
No restriction for all new engineering and design applications and for repetitive use shall be made from this  
date forward



NOMINAL SIZE	#4 112	#6 138	#8 164	#10 190	#10 190	1/4 250
A HEAD DIAMETER	MAX	.238	294	347	403	517
	MIN	.205	.256	306	357	473
H HEAD HEIGHT	MAX	.080	.097	.115	.133	.175
	MIN	.070	.087	.105	.122	.182
M DIAMETER OF RECESS	MAX	.122	.166	.182	.199	.281
	MIN	.109	.153	.169	.186	.266
T DEPTH OF RECESS	MAX	.078	.091	.108	.124	.161
	MIN	.060	.066	.082	.100	.135
N WIDTH OF RECESS	MAX	.019	.028	.030	.031	.036
	MIN	.019	.028	.030	.031	.036
DRIVER SIZE	1	2	2	2	2	3
	*DASH NO	*DASH NO	*DASH NO	*DASH NO	*DASH NO	*DASH NO
L LENGTH	250	11	21	-	-	-
	312	2	22	-	-	-
TOLERANCE	+0.00	13	23	31	39	47
	-0.02	4	14	24	40	48
OF	500	15	25	33	41	49
	562	**16	**26	**34	**42	**50
THREAD	625	17	27	35	43	51
	750	8	18	28	36	44
(SEE NOTE 4)	875	9	19	29	37	45
	1000	10	20	30	38	46
TOLERANCE	+0.00	-	-	-	-	-
	-0.03	-	-	-	-	-
TOLERANCE	+0.00	-	-	-	-	-
	-0.04	-	-	-	-	-

\*(See NOTE 8)

\*\*Inactive for new design after 30 April 1977  
For NOTES See PAGE 2

(B) DENOTES CHANGE

P A Other Cust	OS AR 99	INTERNATIONAL INTEREST	TITLE SCREWS, MACHINE, PAN HEAD, CROSS-RECESSED, SELF-SEALING, INTEGRAL SILICONE O-RING, PLAIN AND SELF-LOCKING	MILITARY STANDARD <b>MS3212</b>
PROCUREMENT SPECIFICATION MIL-S-82496	SUPERSEDES	See Note 10	SHEET 1 OF 2	

FED SUP CLASS  
5305

**NOTES**

**1 MATERIAL.**

- (a) Screw Corrosion-resisting steel (CRES) in accordance with MIL-S-82496
- (b) O-ring Silicone rubber, Composition A in accordance with MIL-S-82496 (resistant to Type IV petroleum base oil of TT-S-735)

**2 PROTECTIVE COATING:** Screws shall be passivated in accordance with QQ-P-35

**(B) 3 THREADS:** Threads shall be in accordance with FED-STD-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 number MS3212, plus the assigned dash number, plus the letter "L" for self-locking screws.  
Examples MS3212-27 is the part number for a 0 625-inch long 164-32 UNC-2A screw. MS 3212-27L 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

**(B) 10 SUPERSESSION NOTE.** MS3212 screws supersede screws of like dimensions on NAVSEA (10001) drawings 756277, 1222502, 1579446, 2639714, 2846707, 2655567, 2682645, 65A5A89, and 65A5A139

APPROVED 27 May 1968 REVISED (B) For changes see sheets 1 and 2

P A Other Cust	OS AR 99	INTERNATIONAL INTEREST	TITLE SCREWS, MACHINE, PAN HEAD, CROSS-RECESSED, SELF-SEALING, INTEGRAL SILICONE O-RING, PLAIN AND SELF-LOCKING	MILITARY STANDARD <b>MS3212</b>
PROCUREMENT SPECIFICATION MIL-S-82496		SUPERSEDES: (B) See Note 10		SHEET 2 OF 2

ARMY - ME  
NAVY - MC, EC  
USER ACTIVITIES  
ARMY - MI, AT, EA, AV  
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REVIEWER ACTIVITIES

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