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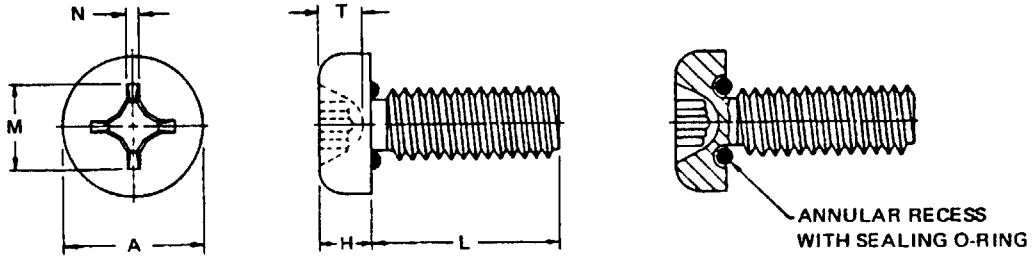
REVIEWER ACTIVITIES ARMY - MI, AT, EA, AV
DLA IS

USER ACTIVITIES ARMY - ME
NAVY - MC, EC



NOMINAL SIZE			#4 112	#6 138	#8 164	#10 190	#10 190	1/4 250
THREADS PER INCH			40UNC-2A	32UNC-2A	32UNC-2A	32UNF-2A	24UNC-2A	20UNC-2A
A HEAD DIAMETER		MAX	.238	294	347	403	403	517
		MIN	205	.256	306	357	357	473
H HEAD HEIGHT		MAX	080	097	.115	.133	133	175
		MIN	070	.087	.105	122	122	162
M DIAMETER OF RECESS		MAX	122	166	.182	199	199	281
		MIN	109	153	169	186	186	268
T DEPTH OF RECESS		MAX	078	091	108	124	124	161
		MIN	060	066	082	100	.100	.135
N WIDTH OF RECESS		MIN	019	.028	030	.031	031	036
DRIVER SIZE			1	2	2	2	2	3
	L LENGTH	TOLERANCE	*DASH NO	*DASH NO	*DASH NO	*DASH NO	*DASH NO	*DASH NO
LENGTH OF THREAD (SEE NOTE 4)	250	+0 00 -0 02	1	11	21	-	-	-
	312		2	12	22	-	-	-
	375		3	13	23	31	39	47
	438		4	14	24	32	40	48
	500		5	15	25	33	41	49
	** 562	+0 00 -0 03	** 6	**16	**26	**34	**42	**50
	625		7	17	27	35	43	51
	750		8	18	28	36	44	52
	875		9	19	29	37	45	53
	1 000		10	20	30	38	46	54
	**1 125	+0 00 -0 06	-	-	-	-	-	**55
	1 250		-	-	-	-	-	56

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

APPROVED 27 May 1968 REVISED (A) 30 April 1977 (B) 23 October 1986

FED SUP CLASS 5305

(B) DENOTES CHANGE

P A OS
Other Cust AR 99
INTERNATIONAL INTEREST

PROCUREMENT SPECIFICATION MIL-S-82496 (B)
SUPERSEDES (B) See Note 10

TITLE SCREWS, MACHINE, PAN HEAD, CROSS-RECESSED, SELF-SEALING, INTEGRAL SILICONE O-RING, PLAIN AND SELF-LOCKING

MILITARY STANDARD
MS3212
SHEET 1 OF 2

DD FORM 672-1 COORDINATED

5305-1403

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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

USER ACTIVITIES: ARMY - ME NAVY - MC, EC

REVIEWER ACTIVITIES: ARMY - MI, AT, EA, AV DLA - IS

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

DD FORM 672-1 (COORDINATED) 5305-1403