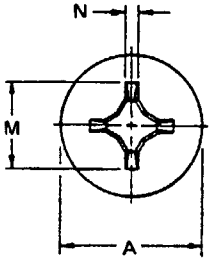
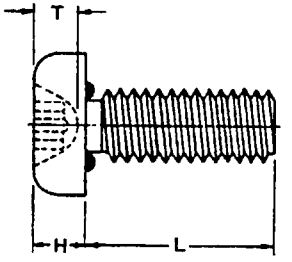
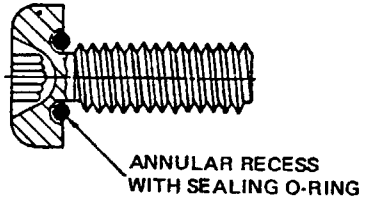
This standard is approved for use by all Departments and Agencies of the Department of Defense. Suggestions for improvement in engineering and design applications and for repetitive use shall be made from this document.

REVIEWER ACTIVITIES ARMY - MI, AT
DLA - IS

USER ACTIVITIES ARMY - AV
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

Ⓐ ENTIRE STANDARD REVISED

P A OS
Other Cust WC
99

INTERNATIONAL INTEREST

PROCUREMENT SPECIFICATION MIL-S-82496

SUPERSEDES:

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

MILITARY STANDARD

MS3213

SHEET 1 OF 2

FED SUP CLASS 5305

APPROVED 27 May 1968 REVISED Ⓐ 30 April 1977

DD FORM 672-1 FEB 66

5305-1340

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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

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

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

DD FORM 672-1 COORDINATED 5305-1340

ARMY - AV
NAVY - MC, EC
USER ACTIVITIES
ARMY - MI, AT
DLA - IS
REVIEWER ACTIVITIES

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