

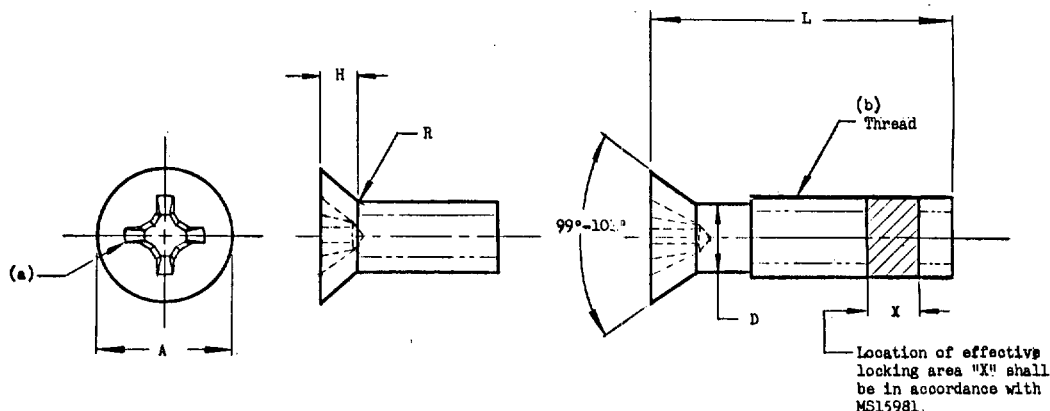
REVIEWER SYMBOLS:
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This standard is approved for use by all Departments
B Agencies of the Department of Defense. Selection for all new
engineering and design applications and for repetitive use shall
be made from this document.

FED. SUP CLASS
5305



DASH NO DIA	THREAD (b)	D DIA		A			H		R	ULTIMATE TENSILE STRENGTH LBS MIN	DRIVER SIZE
		MAX	MIN	SHARP MAX	SHARP MIN	ABS MIN	MAX	MIN			
02	2-56UNC-2A	.0860	.0717	.182	.156	.150	.043	.032	.036	.200	1
04	4-40UNC-2A	.1120	.0925	.225	.207	.200	.048	.040	.050	.380	
06	6-32UNC-2A	.1380	.1141	.279	.257	.249	.060	.051	.062	.545	2
08	8-32UNC-2A	.1640	.1399	.332	.308	.300	.072	.062		.770	
3	10-32UNF-2A	.1900	.1658	.385	.357	.348	.083	.072		1,000	3
4	1/4-28UNF-2A	.2500	.2225	.507	.477	.462	.110	.097	.071	2,000	
5	5/16-24UNF-2A	.3125	.2806	.635	.600	.581	.138	.123	.083	3,200	4
6	3/8-24UNF-2A	.3750	.3430	.762	.722	.700	.165	.148		4,830	

(a) DRIVE RECESS: Recess shall be in accordance with MS9006.

(b) Threads shall be in accordance with Screw Threads Standards for Federal Services, Handbook H-28. The threads shall extend to within 2 threads or less of head surface or screw length 2 inches or shorter. Lengths over 2 inches shall have a minimum thread length of 1-3/4 inches.

(c) Based on stress area equal to $\pi \left(\frac{E}{2} - \frac{3H}{16} \right)^2$ See Handbook H-28.

MATERIAL: Carbon Steel, FED-STD-66

(B) PLATING: Cadmium Plated, Specification QQ-P-416, Type II, Class 24.

LOCKING ELEMENT: In accordance with MIL-F-18240. Locking element area must pass through a ring gage equal to maximum major thread diameter +.010" freely with finger pressure.

DESIGN AND USAGE LIMITATIONS: See MS15981

EXAMPLE OF PART NUMBER: MS21093-0201=Screw, Self Locking 250° F, Carbon Steel, Cadmium plated, 2-56UNC-2A, 3/16 long.
(B) MS21093-343=Screw, Self Locking 250° F, Carbon Steel, Cadmium plated, 10-32UNF-2A, 3/8 long.
Unassigned Dash Numbers shall not be used.

DIMENSIONS: All dimensions are in inches.

Reference documents shall be of the issue in effect on date of invitations for bid.
This standard takes precedence over documents referenced herein.

(B) DENOTES CHANGES.

P.A. NAVY- AS Other Cust USAF- 11 ARMY - AV	TITLE SCREW, SELF-LOCKING, 250° F, STEEL, 55 KSI Ft _u , 100° FLAT HEAD, CROSS RECESSED	MILITARY STANDARD	
		MS21093	
PROCUREMENT SPECIFICATION MIL-F-18240/FF-S-92	SUPERSEDES:	SHEET	OF
		1	2

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LENGTH DASH NUMBER									
L		THREAD SIZE AND PITCH							
LENGTH	TOLERANCE	2-56	4-40	6-32	8-32	10-32	1/4-28	5/16-24	3/8-24
(B) .1875	+.000 -.031	01	89						
.250		02	09	18					
.312		03	10	19	31				
.375		04	11	20	32	43			
.4375		05	12	21	33	44			
.500		06	13	22	34	45	56		
.625		07	14	23	35	46	57	67	77
.750		08	15	24	36	47	58	68	78
.875	+.000 -.062		16	25	37	48	59	69	79
1.000			17	26	38	49	60	70	80
1.250				27	39	50	61	71	81
1.500				28	40	51	62	72	82
1.750				29	41	52	63	73	83
2.000				30	42	53	64	74	84
2.250						54	65	75	85
2.500						55	66	76	86
2.750	+.000 -.094								87
3.000									88

(a) MIL-F-18240 does not establish requirements for length of threads less than 9 pitches.
Therefore, only positive indication of torque is required for screws having lengths above
this heavy line.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1977-703-020/6030

REVISED (B) FOR CHANGE SEE SHEET 1.

APPROVED 2 Nov 65

P.A. NAVY - AS	TITLE	MILITARY STANDARD
Other Cust	SCREW, SELF-LOCKING, 250° F, STEEL, 55 KSI Ftu, 100° FLAT HEAD, CROSS RECESSED	MS21093
PROCUREMENT SPECIFICATION MIL-F-18240/FF-S-92	SUPERSEDES:	SHEET 2 OF