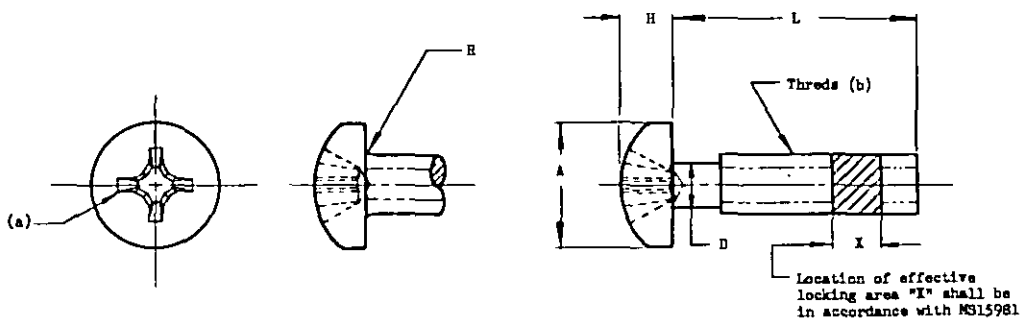


FED. SUP CLASS  
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DASH NO DIA	THREAD (b)	D DIA		A DIA		H		R	ULTIMATE TENSILE STRENGTH (c) LES MIN	DRIVER SIZE
		MAX	MIN	MAX	MIN	MAX	MIN	MAX		
02	2-56UNC-2A	.0860	.0717	.167	.155	.062	.053	.013	200	1
04	4-40UNC-2A	.1120	.0925	.219	.205	.080	.070	.018	330	
06	6-32UNC-2A	.1380	.1141	.270	.256	.097	.087		500	
08	8-32UNC-2A	.1640	.1399	.322	.306	.115	.105	.023	770	2
3	10-32UNF-2A	.1900	.1658	.373	.357	.133	.122		1,100	
4	1/4-28UNF-2A	.2500	.2225	.492	.473	.175	.162	.026	2,000	3
5	5/16-24UNF-2A	.3125	.2806	.615	.594	.218	.203		3,200	
6	3/8-24UNF-2A	.3740	.3430	.740	.716	.261	.244	.031	4,800	

(a) DRIVE RECESS: Recess shall conform with Standard MS 9006.

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

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

MATERIAL: Carbon steel, FED-STD-66.

PLATING: Cadmium plate, Specification QQ-P-416, Type II, Class 3.

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

DIMENSIONS: All dimensions are in inches.

DESIGN AND USAGE LIMITATIONS: See MS15981.

EXAMPLE OF PART NUMBER: MS21090-0201-Screw Locking 250° F, Carbon Steel, Cadmium Plated, 2-56UNC-2A, 3/16 Long

MS21090-351-Screw, Self Locking 250° F, Carbon Steel, Cadmium Plated, 10-32UNF-2A, 1/2 Long

Unassigned dash numbers shall not be used.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.  
THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

P.A. Other Cmt	NAVY - AS USAF - 11	TITLE SCREW, SELF-LOCKING, 250° F, STEEL, 55 KSI Ptu, PANHEAD, CROSS RECESSED	FOR CHANGES SEE SHEETS 1 AND 2.
PROCUREMENT SPECIFICATION MIL-F-18240/FF-S-92	SUPERSEDES:	MILITARY STANDARD MS21090(ASG)	SHEET 1 OF 2

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Review activities: NAVY - AS  
USAF - 11

This standard has been approved by the Bufile (Department of the Navy), and the Department of the USAF, and is mandatory for use by that activity. All other military activities are required to comply with this standard where suitable.

APPROVED 2 NOV 65  
REVISED 11 Sept 67

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L		LENGTH DASH NUMBER							
LENGTH	TOLERANCE	THREAD SIZE AND PITCH							
		2-56	4-40	6-32	8-32	10-32	1/4-28	5/16-24	3/8-24
.1875	+.000 -.031	01	09	19	33				
.250		02	10	20	34	47			
.312		03	11	21	35	48	62		
.375		04	12	22	36	49	63	76	
.4375		05	13	23	37	50	64	77	
.500		06	14	24	38	51	65	78	89
.625		07	15	25	39	52	66	79	90
.750		08	16	26	40	53	67	80	91
.875			17	27	41	54	68	81	92
1.000			18	28	42	55	69	82	93
1.250	+.000 -.062			29	43	56	70	83	94
1.500				30	44	57	71	84	95
1.750				31	45	58	72	85	96
2.000				32	46	59	73	86	97
2.250	+.000 -.094					60	74	87	98
2.500						61	75	88	99
2.750									100
3.000									101

- (a) MIL-P-18210 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.

Review activities:  
NAVY - 43  
USAF - 11

This standard has been approved by the Directors (Department of the Navy) and the Department of the USAF and is mandatory for use by all military activities. All other military activities are required to comply with this standard where suitable.

P.A. NAVY - 43 Other Cust USAF - 11	TITLE SCREW, SELF-LOCKING, 250° F, STEEL, 55 KSI Ftu, PANHEAD, CROSS RECESSED	MILITARY STANDARD MS21090(ASG)
PROCUREMENT SPECIFICATION MIL-P-18210/FF-S-92	SUPERSEDES:	SHEET 2 OF

DD FORM 672-1 (limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U.S. GOVERNMENT PRINTING OFFICE: 1971-30-411/120

APPROVED 2 Nov 65 REVISED 4 FOR CHANGES SEE SHEETS 1 AND 2.