

(8) Radius or Chamfer (45°) Depth is .005 for #4 thru #10; .008 for 1/4 thru 3/8; and .010 for 7/16 thru 5/8.

MATERIAL: Alloy Steel; Procurement Specification FF-S-86.
 HARDNESS: RC36 - 45 up to and including 1/2 inch, RC36 - 43 over 1/2 inch.
 PLATING: Cadmium Plating, QQ-P-416, Type II, Class 3.
 SURFACE ROUGHNESS: The surface of the shank, fillet and bearing area shall not exceed 125 in accordance with MIL-STD-10.
 LOCKING ELEMENT: In accordance with Specification MIL-F-18240. Locking element area must pass thru a plain ring gage, equal to the maximum major thread diameter + .010 inch, freely or with finger pressure.
 DESIGN AND USAGE LIMITATIONS: See MS 159F1.
 DIMENSIONS: In inches.
 EXAMPLE OF PART NUMBER: MS 21262-56 = 1/4-28 Screw, 1 inch long.

L SCREW LENGTH	DASH NUMBERS									
	THREAD SIZE AND PITCH									
	4-40	6-32	8-32	10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20	5/8 -18
.1875 ±.015	(1) 1	2	3							
.250 ±.015	4	5	6							
.3125 ±.015	7	8	9	10	11	12				
.375 ±.015	13	14	15	16	17	18				
.4375 ±.015	19	20	21	22	23	24	25			(1)
.500 ±.015	26	27	28	29	30	31	32			
.625 ±.015	33	34	35	36	37	38	39			
.750 ±.015	40	41	42	43	44	45	46			
.875 ±.015		47	48	49	50	51	52			
+ .031 1.000 - .015		53	54	55	56	57	58	59	60	61
+ .031 1.250 - .015			62	63	64	65	66	67	68	69
+ .031 1.500 - .015			70	71	72	73	74	75	76	77
+ .031 1.750 - .015				78	79	80	81	82	83	84
2.000 ±.031				80	85	86	87	88	89	90
2.250 ±.031					91	92	93		94	
2.500 ±.031						95	96		97	98
3 ±.031							99		100	

(1) MIL-F-18240 establishes performance requirements for the element within X min. Therefore, only positive indication of torque is required for screws having lengths above this heavy line.

CANCELLED AFTER 15 SEPT 1981. NO SUPERSEDING STANDARD.

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

P.A. Navy - AS Other Cust Air Force - 11	TITLE SCREWS, SELF LOCKING, 250°F, CYLINDRICAL HEAD HEXAGONAL WRENCHING SOCKET, ALLOY STEEL, 160 KSI Ftu (Socket Head Cap Screws)	MILITARY STANDARD MS21262
PROCUREMENT SPECIFICATION FF-S-86 & MIL-F-18240	SUPERSEDES MS 21262(ASG)	SHEET 2

This standard has been approved by the Bureau, 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 employ this standard where suitable.

NOTICE—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

APPROVED 9 June 1960 REVISED 7 April 1961 (B) FOR CHANGES SEE SHEETS 1 AND 2. (C) 15 September 1981 (D) 16 August 1982