



NOMINAL SIZE		D	2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH			64NF	48NF	40NF	36NF
BODY DIAMETER	De	Max	.0860	.1120	.1380	.1640
		Min	.0733	.0954	.1184	.1424
HEAD DIAMETER	A	Max	.167	.219	.270	.322
		Min	.155	.205	.256	.306
HEAD HEIGHT	H	Max	.053	.068	.082	.096
		Min	.045	.058	.072	.085
SLOT WIDTH	J	Max	.031	.039	.048	.054
		Min	.023	.031	.039	.045
SLOT DEPTH	T	Max	.033	.041	.050	.058
		Min	.023	.030	.038	.043
RADIUS ON HEAD	R1	Nom	.035	.042	.046	.052
RADIUS UNDER HEAD	R	Max	.011	.015	.018	.020
LENGTH	L	Tolerance	Dash Number	Dash Number	Dash Number	Dash Number
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE.	1/8	+0 -1/32	1	11	24	39
	3/16		2	12	25	40
	1/4		3	13	26	41
	5/16		4	14	27	42
	3/8		5	15	28	43
	7/16		6	16	29	44
	1/2		7	17	30	45
	5/8		8	18	31	46
	3/4		9	19	32	47
	7/8		10	20	33	48
	1	21	34	49		
	1-1/4	22	35	50		
	1-1/2	+0 -1/16	23	36	51	
	1-3/4		37	52		
	2		38	53		
Minimum Complete Thread Length of 1-3/4.	2-1/4	+0 -3/32	54	55		
	2-1/2		56			
	2-3/4		57			

Ⓐ CANCELLED
SEE SHEET 2

MATERIAL: Corrosion Resisting Steel, Specification QQ-S-763, 70,000 PSI minimum tensile strength, minimum elongation 16% in 2 inches.
FINISH: Passivated by immersion for a period of 20 minutes in a solution containing 15% (by weight) of nitric acid at a temperature of 70°F ± 5°, followed by a thorough rinse in hot water.
THREADS: The threads shall be in accordance with Screw-Thread Standards for Federal Services Handbook H-28.
NOTES: (1) Referenced documents of issue in effect on date of invitation for bids shall apply.
(2) In case of conflict with any referenced document, this standard will govern.
(3) The MS part number consists of the MS sheet number, plus the dash number. Example: MS 35234-1.
(4) All dimensions in inches.

Ⓐ For changes, see sheets 1 and 2.

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 formulated, 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.

 This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

P.A. Other Cust	WC Ships MOAMA	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, CORROSION RESISTING STEEL, PASSIVATED, NF-2A AND UNF-2A	MILITARY STANDARD MS 35234
PROCUREMENT SPECIFICATION FP-S-92	SUPERSEDES:	SHEET 1 OF 2	

APPROVED FEB 9, 1954 REVISED Ⓐ 12 DEC 63

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NOMINAL SIZE		D	10 (.190)	1/4	5/16	3/8
THREADS PER INCH			32NF	28UNF	24UNF	24UNF
BODY DIAMETER	D _e	Max Min	.1900 .1658	.2500 .2225	.3125 .2806	.3750 .3430
HEAD DIAMETER	A	Max Min	.373 .357	.492 .473	.615 .594	.740 .716
HEAD HEIGHT	H	Max Min	.110 .099	.144 .130	.178 .162	.212 .195
SLOT WIDTH	J	Max Min	.060 .050	.075 .064	.084 .072	.094 .081
SLOT DEPTH	T	Max Min	.067 .050	.087 .070	.109 .092	.130 .113
RADIUS ON HEAD	R ₁	Nom	.061	.087	.099	.143
RADIUS UNDER HEAD	R	Max	.023	.026	.031	.031
LENGTH	L	Tolerance	Dash Number	Dash Number	Dash Number	Dash Number
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE.	1/8	+0 -1/32	58	① CANCELLED SEE NOTE		
	3/16		59			
	1/4		60			
	5/16		61			
	3/8		62			
	7/16		63			
	1/2	64	76			
	5/8	65	77			
	3/4	66	78			
	7/8	67	79			
	1	68	80			
	1-1/4	69	81			
1-1/2	70	82				
1-3/4	71	83				
2	72	84				
2-1/4	73	85				
2-1/2	74	86				
2-3/4	75	87				
3	76	88				
Minimum Complete Thread Length of 1-3/4.		+0 -3/32	73	89	100	107
			74	90	101	108
			75	91	102	109
					103	110
					104	111
					105	112
					106	113
						114
						115
						116
						117
						118
						119

NOTE: For illustration, material, finish, and other pertinent data, see sheet 1.

① CANCELLED AFTER 12 Dec 63 USE MS51958 . INTERCHANGEABILITY RELATIONSHIP - MS51958 can replace the cancelled screws of the same size. The cancelled MS35234 cannot always replace MS 51958 and should be used until existing stock is depleted. Then use only the superseding MS screws of the same size for design and replacement.

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PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES:		SHEET 2 OF