



NOMINAL SIZE	D		2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH			56NC	40NC	32NC	32NC
BODY DIAMETER	D _e	Max Min	.0860 .0717	.1120 .0925	.1380 .1141	.1640 .1399
HEAD DIAMETER	A	Max Min	.167 .155	.219 .205	.270 .256	.322 .306
HEAD HEIGHT	H	Max Min	.053 .045	.068 .058	.082 .072	.096 .085
SLOT WIDTH	J	Max Min	.031 .023	.039 .031	.048 .039	.054 .045
SLOT DEPTH	T	Max Min	.033 .023	.041 .030	.050 .038	.058 .043
RADIUS ON HEAD	R ₁	Nom	.035	.042	.046	.052
RADIUS UNDER HEAD	R	Max	.013	.018	.023	.023
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	+0 -1/16	22	35	50	
	1-1/2		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	
	2-1/2				55	
	2-3/4				56	
	3				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 35233-1.
 (4) All dimensions in inches.

Ⓐ For changes, see sheets 1 and 2.

P.A. WC	TITLE	MILITARY STANDARD
Other Cust Ships MOAMA	SCREW, MACHINE, PAN HEAD, SLOTTED, CORROSION RESISTING STEEL, PASSIVATED, NC-2A AND UNC-2A	MS 35233
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES:	SHEET 1 OF 2

APPROVED FEB 9, 1954 REVISED Ⓐ 12 DEC 63

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.

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NOMINAL SIZE	D		10 (.190)	1/4	5/16	3/8
THREADS PER INCH			24NC	20UNC	18UNC	16UNC
BODY DIAMETER	D _e	Max Min	.1900 .1586	.2500 .2127	.3125 .2712	.3750 .3287
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	.031	.025	.027	.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				
	5/8	65	76			
	3/4	66	77			
	7/8	67	78			
	1	68	79			
	1-1/4	69	80			
	1-1/2	70	81			
	1-3/4	71	82			
	2	72	83			
	2-1/4	73	84			
2-1/2	74	85				
2-3/4	75	86				
3		87				
Minimum Complete Thread Length of 1-3/4.		88	92	93	107	
		89	94	108		
		90	95			
		91	96			
			97			
			98			
			99			
			100			
			101			
			102			
			103			
			104			
			105			
			106			

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

① CANCELLED AFTER 12 Dec 63 USE MS51957 INTERCHANGEABILITY RELATIONSHIP - MS51957 can replace the cancelled screws of the same size. The cancelled MS35233 cannot always replace MS51957 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