



NOMINAL SIZE		D		2 (.086)		4 (.112)		6 (.138)		8 (.164)		
THREADS PER INCH				56NC		40NC		32NC		32NC		
BODY DIAMETER	D _e	Max	.0860	Max	.1120	Max	.1380	Max	.1640	Min	.1399	
		Min	.0717	Min	.0925	Min	.1141	Min	.1322		.306	
HEAD DIAMETER	A	Max	.167	Max	.219	Max	.270	Max	.322		.096	
		Min	.155	Min	.205	Min	.256	Min	.306		.085	
HEAD HEIGHT	H	Max	.053	Max	.068	Max	.082	Max	.096		.045	
		Min	.045	Min	.058	Min	.072	Min	.085		.058	
SLOT WIDTH	J	Max	.031	Max	.039	Max	.048	Max	.054		.043	
		Min	.023	Min	.031	Min	.039	Min	.045		.052	
SLOT DEPTH	T	Max	.033	Max	.041	Max	.050	Max	.058		.023	
		Min	.023	Min	.030	Min	.038	Min	.043			
RADIUS ON HEAD	R ₁	Nom	.035	Nom	.042	Nom	.046	Nom	.052			
RADIUS UNDER HEAD	R	Max	.013	Max	.018	Max	.023	Max	.023			
LENGTH	L	Tolerance		Dash Number	Dash Number	Dash Number	Dash Number	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	1	11	24	39	
	3/16			2	12	25	40	2	12	25	40	
	1/4			3	13	26	41	3	13	26	41	
	5/16			4	14	27	42	4	14	27	42	
	3/8			5	15	28	43	5	15	28	43	
	7/16			6	16	29	44	6	16	29	44	
	1/2			7	17	30	45	7	17	30	45	
	5/8			8	18	31	46	8	18	31	46	
	3/4			9	19	32	47	9	19	32	47	
	7/8			10	20	33	48	10	20	33	48	
1-1/4	+0 -1/16		21	34	49	21	34	49	21	34	49	
1-1/2			22	35	50	22	35	50	22	35	50	
1-3/4			23	36	51	23	36	51	23	36	51	
2	+0 -3/32		37	52	55	37	52	55	37	52	55	
2-1/4			38	53	56	38	53	56	38	53	56	
2-1/2			54	57	54	57	54	57	54	57	54	57
2-3/4			55	56	57	55	56	57	55	56	57	55
3												

(A) 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.

(A) For changes, see sheets 1 and 2.

P.A.	WC	TITLE	MILITARY STANDARD
Order List	Ships NOAA	SCREW, MACHINE, PAN HEAD, SLOTTED, CORROSION RESISTING STEEL, PASSIVATED, NC-2A AND UNC-2A	MS 35233
PROCURING AGENCY SPECIFICATION	PP-3-92	SUPERSEDES:	SHEET 1 OF 2

APPROVED FEB 9, 1954 REVISED 12 DEC 63

FED. SUP CLASS
5305

NOMINAL SIZE	D		10 (.190)	1/4	5/16	3/8			
THREADS PER INCH			24UNC	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	Ⓐ CANCELLED SEE NOTE					
	3/16		59						
	1/4		60						
	5/16		61						
	3/8		62						
	7/16		63						
	1/2	64							
	5/8	65	81				92		
	3/4	66	82				93		
	7/8	67	83				94		
	1	68	84				95		
	1-1/4	+0 -1/16	69				85	96	107
	1-1/2		70				86	97	108
	1-3/4		71				87	98	109
	2	+0 -3/32	72				88	99	110
2-1/4	73		89	100	111				
2-1/2	74		90	101	112				
2-3/4	75	91	102	103	113				
Minimum Complete Thread Length of 1-3/4.	3			104	114	115			
				105	116	117			
				106	118	119			

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

APPROVED FEB 9, 1954 REVISED (A) 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	MS35233
PROCUREMENT SPECIFICATION PP-5-92	SUPERSEDES:		SHEET 2 OF

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.