



NOMINAL SIZE	D		2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH			56NC	40NC	32NC	32NC
BODY DIAMETER	De	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	.062 .053	.080 .070	.097 .087	.115 .105
RECESS DIAMETER	M	Max Min	.101 .091	.119 .109	.163 .153	.179 .169
RECESS DEPTH	N	Max Min	.071 .061	.090 .080	.111 .101	.127 .117
RECESS WIDTH	J	Min	.017	.018	.028	.030
RADIUS	R	Max	.013	.018	.023	.023
DRIVER SIZE			1	1	2	2
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	10	21	36
	3/16		2	11	22	37
	1/4		3	12	23	38
	5/16		4	13	24	39
	3/8		5	14	25	40
	7/16		6	15	26	41
	1/2		7	16	27	42
	5/8		8	17	28	43
	3/4		9	18	29	44
	7/8			19	30	45
1		20	31	46		
1-1/4	+0 -1/16		32	47		
1-1/2			33	48		
1-3/4			34	49		
2			35	50		
Minimum complete thread length of 1-3/4						

Ⓐ CANCELLED  
SEE SHEET 2

**MATERIAL:** Corrosion Resisting Steel, Specification QQ-S-763, Class B, Type C or Class 6, Type C.

**FINISH:** Passivated - by immersion for a period of 20 minutes in a solution containing 15 percent (by weight) of nitric acid at room temperature 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) Recess shall conform with Type III, Design I, of procurement specification.
  - (2) Referenced documents of issue in effect on date of invitation for bids shall apply.
  - (3) In case of conflict with any referenced document, this standard will govern.
  - (4) The MS part number consists of the MS sheet number, plus the dash number. Example: MS35216-1.

Ⓐ 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.

APPROVED 25 JUNE 53 REVISED 12 DEC 63

P.A.	WC	TITLE	MILITARY STANDARD
Other Cust	Ships MOAMA	SCREW, MACHINE, PAN HEAD, CROSS-RECESSED, CORROSION RESISTING STEEL, PASSIVATED, NC-2A AND UNC-2A	MS 35216
PROCUREMENT SPECIFICATION PF-S-92	SUPERSEDES:	SHEET 1 OF 2	

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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 <sub>e</sub>	Max	.1900	.2500	.3125	.3750				
		Min	.1586	.2127	.2712	.3287				
HEAD DIAMETER	A	Max	.373	.492	.615	.740				
		Min	.357	.473	.594	.716				
HEAD HEIGHT	H	Max	.133	.175	.218	.261				
		Min	.122	.162	.203	.244				
RECESS DIAMETER	M	Max	.196	.278	.347	.390				
		Min	.186	.268	.337	.380				
RECESS DEPTH	N	Max	.145	.192	.227	.266				
		Min	.135	.182	.217	.256				
RECESS WIDTH	J	Min	.031	.039	.059	.065				
RADIUS	R	Max	.031	.025	.027	.031				
DRIVER SIZE			2	3	4	4				
LENGTH		L								
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE.	1/8	Tolerance	Dash Number		Dash Number					
	3/16		Dash Number	Dash Number	Dash Number	Dash Number				
	1/4						51	66	80	93
	5/16						52	67	81	94
	3/8						53	68	82	
	7/16						54	69	83	
	1/2						55	70		
	5/8						56			
	3/4						57	71	84	95
	7/8						58	72	85	96
	1						59	73	86	97
	1-1/4						60	74	87	98
	1-1/2						61	75	88	99
	1-3/4						62	76	89	100
	2						63	77	90	101
Minimum Complete Thread Length of 1-3/4	2-1/4	64					78	91	102	
	2-1/2	65	79	92	103					
	2-3/4				104					
	3				105					

**CANCELLED**  
SEE NOTE

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

**A** Cancelled after 12 Dec 63 Use MS51957. Interchangeability relationship -- MS51957 can replace the cancelled screws of the same size. The cancelled MS35216 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