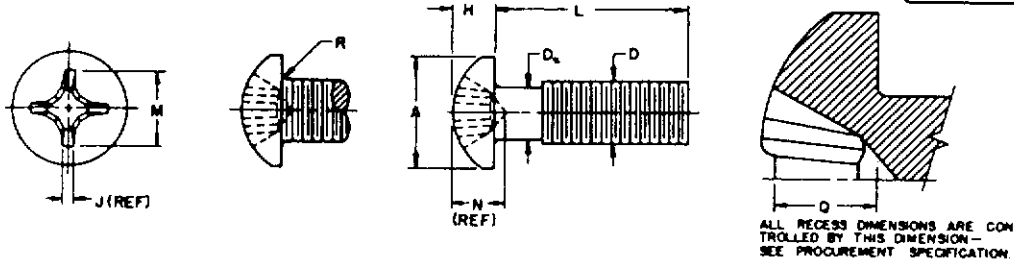


FED. SUP CLASS
5305



NOMINAL SIZE	D		2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH			64NP	48NP	40NP	36NP
BODY DIAMETER	D ₀	Max Min	.0860 .0733	.1120 .0954	.1380 .1184	.1640 .1424
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	.011	.015	.018	.020
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 RECESSING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE	1/8		1	10	21	36
	3/16		2	11	22	37
	1/4		3	12	23	38
	5/16		4	13	24	39
	3/8	+0 -1/32	5	14	25	40
	7/16		6	15	26	41
	1/2		7	16	27	42
	5/8		8	17	28	43
	3/4	+0 -1/16	9	18	29	44
	7/8		19	30	45	
	1-1/4		20	31	46	
	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: MS35217-1.

(A) For changes see sheets 1 and 2.

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, NF-2A AND UNF-2A	MS 35217
PROCUREMENT SPECIFICATION PP-S-92	SUPERSEDES:		SHEET 1 OF 2

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

FED. SUP CLASS
5305

NOMINAL SIZE	D		10 (.190)	1/4	5/16	3/8	
THREADS PER INCH			12NF	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	.133 .122	.175 .162	.218 .203	.261 .244	
RECESS DIAMETER	M	Max Min	.196 .186	.278 .268	.347 .337	.390 .380	
RECESS DEPTH	N	Max Min	.145 .135	.192 .182	.227 .217	.266 .256	
RECESS WIDTH	J	Min	.031	.039	.059	.065	
RADIUS	R	Max	.023	.026	.031	.031	
DRIVER SIZE			2	3	4	4	
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	51	A CANCELLED- SEE NOTE			
	3/16		52				66
	1/4		53				67
	5/16		54				68
	3/8		55				69
	7/16		56				70
	1/2	57	71				
	5/8	58	72				
	3/4	59	73				
	7/8	60	74				
	1	61	75				
	1-1/4	62	76				
	1-1/2	63	77				
	1-3/4	64	78				
	2	65	79				
Minimum complete thread length of 1-3/4	2-1/4	+0 -3/32		92	93 94 95 96 97 98 99 100 101 102 103 104 105		

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

A Canceled after 12 Dec 63 Use MS51958. Interchangeability relationship - MS51958 can replace the cancelled screws of the same size. The cancelled MS35217 cannot always replace MS51958 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 25 JUNE 53 REVISED FOR CHANGE IN DRAFTS 1 AND 2

P.A.	W:	TITLE	MILITARY STANDARD
Other Cover	Ships MOAMA	SCREW MACHINE PAN HEAD CROSS-RECESSED, CORROSION RESISTING STEEL, PASSIVATED, NF-2A AND UNF-2A	MS 35217
PROCUREMENT SPECIFICATION PP-S-92	SUPERSEDES		SHEET 2 OF