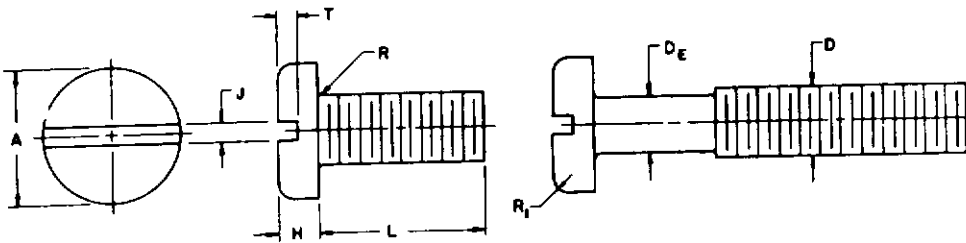


FED. SUP CLASS
5305



NOMINAL SIZE		D	2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH			64NF	48NF	40NF	36NF
BODY DIAMETER	D _e	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	R ₁	Nom	.035	.042	.046	.052
RADIUS UNDER HEAD	R	Max	.011	.015	.018	.020
LENGTH	L	Tolerance				
		Dash Number				
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE.	1/8		1	11	24	39
	3/16		2	12	25	40
	1/4		3	13	26	41
	5/16		4	14	27	42
	3/8	+0	5	15	28	43
	7/16	-1/32	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		22	35	50
	1-1/2	-1/16		23	36	51
	1-3/4				37	52
2				38	53	
2-1/4					54	
Minimum Complete Thread Length of 1-3/4.		+0				55
		-3/32				56
						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.

APPROVED FEB 9, 1954 REVISED 12 DEC 63

P.A.	WC	TITLE	MILITARY STANDARD
Other Cost	Ships MOAMA	SCREW, MACHINE, PAN HEAD, SLOTTED, CORROSION RESISTING STEEL, PASSVATED, NF-2A AND UNF-2A	MS 35234
PREVIOUS SPECIFICATION FP-8-92	SUPERSEDES		SHEET 1 OF 2

FED. SUP CLASS
5305

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	.033
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			
	3/8		61			
	7/16		62			
	1/2		63			
	5/8	64				
	3/4	65	81			
	7/8	66	82			
	1	67	83			
	1-1/4	68	84			
	1-1/2	69	85			
	1-3/4	70	86			
	2	71	87			
	2-1/4	72	88			
Minimum Complete Thread Length of 1-3/4.	+0 -3/32	73	89			
2-1/2	74	90				
2-3/4	75	91				
3			107			
			108			
			109			
			110			
			111			
			112			
			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 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 FEB 9, 1954 REVISED 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, PASSVATED, NF-2A AND UNF-2A	MS 35234
PROCUREMENT SPECIFICATION PF-S-92	SUPERSEDES:		SHEET 2 OF