



NOTE: When dimensions are given in parentheses, they are for reference only. They do not constitute a part of the drawing. Dimensions in parentheses are for information only. Dimensions in parentheses are for information only. Dimensions in parentheses are for information only.

NOMINAL SIZE		D	2 (.005)	4 (.012)	6 (.020)	8 (.030)
TOLERANCE PER INCH						
BODY DIAMETER	D _s	MAX	.0960	.1120	.1300	.1500
		MIN	.0717	.0925	.1100	.1300
HEAD DIAMETER	A	MAX	.167	.219	.272	.325
		MIN	.155	.205	.250	.300
HEAD HEIGHT	H	MAX	.063	.068	.082	.090
		MIN	.045	.058	.072	.080
SLOT WIDTH	J	MAX	.031	.035	.045	.050
		MIN	.023	.031	.039	.044
SLOT DEPTH	T	MAX	.033	.041	.049	.054
		MIN	.021	.030	.035	.040
RADIUS ON HEAD	R	MAX	.035	.042	.050	.054
RADIUS UNDER HEAD	A	MAX	.013	.016	.020	.024
LENGTH	L	Tolerance	Dist. Number	Dist. Number	Dist. Number	Dist. Number
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE.	1/8	-1/32	1	11	21	31
	1/16		2	12	22	32
	3/16		3	13	23	33
	1/4		4	14	24	34
	5/16		5	15	25	35
	3/8		6	16	26	36
	7/8		7	17	27	37
	1-1/8		8	18	28	38
	1-1/4		9	19	29	39
	1-3/4		10	20	30	40
2		21	31	41		
2-1/2		22	32	42		
3		23	33	43		
4		24	34	44		
5		25	35	45		
6		26	36	46		
7		27	37	47		
8		28	38	48		
9		29	39	49		
10		30	40	50		
11		31	41	51		
12		32	42	52		
13		33	43	53		
14		34	44	54		
15		35	45	55		
16		36	46	56		
17		37	47	57		
18		38	48	58		
19		39	49	59		
20		40	50	60		
21		41	51	61		
22		42	52	62		
23		43	53	63		
24		44	54	64		
25		45	55	65		
26		46	56	66		
27		47	57	67		
28		48	58	68		
29		49	59	69		
30		50	60	70		

ⓐ CANCELLED SEE SHEET 2

MATERIAL: Carbon Steel, Specification QQ-V-409 or QQ-S-633, except Deformed composite in 50000 psi minimum ultimate tensile strength.

FINISH: Cadmium or zinc plated, Specification QQ-P-416, type II, class C or Specification QQ-D-307 type II, class C.

THREADS: The threads shall be in accordance with Screw-Thread Standards for Federal Services Handbook No. 1.

NOTES: (1) Referenced documents of issue in effect on date of invitation for bids shall apply. In case of conflict with any referenced document, this standard will prevail.
 (2) The MS part number consists of the MS sheet number, plus the dash number. Example: MS 35225-4.
 (3) All dimensions in inches.

This military standard is approved by the Department of Defense and is mandatory on all activities. Submission for all manufacturing and distribution and for inspection shall be made from this document.

APPROVED FEB 9, 1954 REVISED 15 JAN 1960

P.A. Ord	FILE	MILITARY STANDARD
Old Code	SCREW, MACHINE, PAN HEAD, SLOTTED, CARBON STEEL, CADMIUM OR ZINC PLATED, NO-ZN AND UNO-ZN	MS 35225
PROCUREMENT SPECIFICATION P-5.92	SUPERSEDES	SHEET 1 OF 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 hereby disclaims any liability, and the fact that the Government may have furnished such data in any way does not constitute an acknowledgment of responsibility for any such use, nor does it imply any responsibility for the validity of any data hereon.

NOMINAL SIZE		D	10 (.190)	1/8	5/16	1/2	
THREADS PER INCH			28NC	26UNC	24UNC	18UNC	
BODY DIAMETER	D _b	Max	.1900	.2500	.3125	.3750	
		Min	.1585	.2127	.2712	.3087	
HEAD DIAMETER	A	Max	.373	.492	.615	.740	
		Min	.357	.473	.594	.716	
HEAD HEIGHT	M	Max	.110	.104	.108	.217	
		Min	.099	.130	.162	.191	
SLOT WIDTH	F	Max	.060	.075	.084	.097	
		Min	.050	.064	.072	.081	
SLOT DEPTH	T	Max	.057	.087	.109	.130	
		Min	.050	.076	.091	.111	
RADIUS ON HEAD	R	Max	.061	.087	.099	.143	
RADIUS UNDER HEAD	R	Max	.071	.095	.097	.091	
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		58		② CANCELLED SEE NOTE		
	3/16		59				
	1/4		60	76			
	5/16						
	3/8	±.002		61		77	92
	7/16			62		78	93
	1/2			63		79	94
	5/8			64		80	95
	3/4		65	81		96	109
	7/8		66	82		97	110
	1		67	83		98	111
	1-1/4		68	84		99	112
1-1/2	±.002		69	85	100	113	
1-3/4			70	86	101	114	
2		71	87	102	115		
2-1/4		72	88	103	116		
Minimum Complete Thread Length of 1-3/4		±.002	73	89	104	117	
			74	90	105	118	
			75	91	106	119	

NOTE: For illustration, material, finish, and other pertinent data, see sheet 1.
 ② CANCELLED AFTER MS A19 M62 USE MS 35206. INTERCHANGABILITY RELATIONSHIP - MS3506 can replace the cancelled screws of the same size. The cancelled MS35225 cannot always replace MS35206 and should be used until existing stock is depleted. Then use only the superseding MS screws of the size size for design and replacement.

This military standard is approved by the Department of Defense and is applicable to all military activities. It is the responsibility of the manufacturer to ensure that the product conforms to the requirements of this standard and to report any nonconformances which he needs for the distribution.

P.A. Ord Other Code	Ord SHIPS	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, CARBON STEEL, CADMIUM OR ZINC PLATED, MC-2A AND UNC-2A	MILITARY STANDARD MS 35225
PROCUREMENT SPECIFICATION PP-3-92	SUPERSEDED	SHEET 1 OF	

APPROVED FOR 9-1954 REVISED 11-1960 SEE SHEET 1 AND 2