



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 whatever, and the fact that the Government may have furnished, 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 at any time be related thereto.

NOMINAL SIZE		F (1.75)		F (1.12)		F (1.00)	
THREADS PER INCH		20		24		32	
BODY DIAMETER	D _b	Max .0925	.0925	Max .1120	.1120	Max .1220	.1220
		Min .0933	.0933	Min .0954	.0954	Min .1000	.1000
HEAD DIAMETER	A	Max .167	.167	Max .219	.219	Max .270	.270
		Min .155	.155	Min .205	.205	Min .256	.256
HEAD HEIGHT	H	Max .053	.053	Max .058	.058	Max .062	.062
		Min .045	.045	Min .058	.058	Min .070	.070
SLOT WIDTH	C	Max .031	.031	Max .039	.039	Max .041	.041
		Min .027	.027	Min .031	.031	Min .031	.031
SLOT DEPTH	T	Max .031	.031	Max .041	.041	Max .041	.041
		Min .023	.023	Min .030	.030	Min .035	.035
RADIUS ON HEAD	R ₁	nom .035	.035	nom .042	.042	nom .046	.046
RADIUS UNDER HEAD	R	Max .011	.011	Max .015	.015	Max .016	.016
LENGTH	L	Tolerance	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	32	
	3/16		2	12	25	33	
	1/4		3	13	26	34	
	5/16		4	14	27	35	
	3/8		5	15	28	36	
	7/16		6	16	29	37	
	1/2		7	17	30	38	
	5/8		8	18	31	39	
	3/4		9	19	32	40	
	7/8		10	20	33	41	
1-1/4	+0 -1/32	21	34	42	43		
1-1/2		22	35	44	45		
1-3/4		23	36	46	47		
Minimum Complete Thread Length of 1-3/4	2-1/2	+0 -3/32	24	37	48	49	
	2-3/4		25	38	49	50	
	3		26	39	50	51	

Ⓐ CANCELLED
SEE SHEET 2

MATERIAL: Brass, Specification QQ-B-611 or 2-14-391.
FINISH: Plain (unthreaded).
THREAD: The threads shall be in accordance with Screw-Thread Standards for Federal Services Handbook.

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 35230-18.
 (4) All dimensions in inches.

Ⓐ For changes, see sheets 1 and 2.

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering design applications and for retrofits shall be made from this document.

PA	001	001	SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, PLAIN FINISH, NF-2A AND UNF-2A	MILITARY STANDARD MS 35230
Other Class.	00-05			
PROCUREMENT SPECIFICATION PP-S-22	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 thereby incurs no responsibility nor any obligation whatsoever, and the fact that the Government may have furnished information in any way supplied the said drawings, specifications, or other data shall not be regarded as an implied warranty or otherwise 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 referred to herein.

NOMINAL SIZE	D	10 (.120)	1/4	5/16	3/8				
THREADS PER INCH		28	20	24	24				
BODY DIAMETER	D _b	.120	.250	.312	.375				
HEAD DIAMETER	A	.373 Min .357	.402 Min .473	.610 Min .551	.710 Min .710				
HEAD HEIGHT	H	.110 Min .099	.144 Min .130	.178 Min .162	.210 Min .192				
SLOT WIDTH	J	.060 Min .050	.075 Min .064	.088 Min .072	.100 Min .084				
SLOT DEPTH	T	.067 Min .050	.087 Min .070	.108 Min .090	.120 Min .100				
RADIUS ON HEAD	R ₁	.011 Min	.017 Min	.020 Min	.025 Min				
RADIUS UNDER HEAD	R	.023 Max	.025 Max	.031 Max	.035 Max				
LENGTH	L	Tolerance	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	76	Ⓐ CANCELLED SEE NOTE				
	3/16		59						
	1/4		60						
	5/16	+0 -1/32	61				77	92	
	3/8		62				78	93	
	7/16		63				79	94	
	1/2		64				80	95	
	5/8		65				81	96	
	3/4	66	82				97	100	
	7/8	67	83				98	105	
	1	68	84				99	110	
	1-1/4	+0 -1/16	69				85	101	115
	1-1/2		70				86	102	120
	1-3/4		71				87	103	125
	2	72	88				104	130	
2-1/4	+0 -3/32	73	89	105	135				
2-1/2		74	90	106	140				
2-3/4		75	91	107	145				
Minimum Complete Thread Length of 1-3/4.	3								

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

Ⓐ CANCELLED AFTER 22 JUN 1942. USE MS35215. INTERCHANGEABILITY RELATIONSHIP - MS35215 can replace the cancelled screws of the same size. The cancelled MS35230 cannot always replace MS35215 and should be used until existing stock is depleted. Then use only the superseding MS screws of the same size for design and replacement.

This military standard is approved by the Department of Defense and is mandatory on all activities. Subject to all engineering and design applications and for repetitive use shall be made from this document.

P.A.	Ord	TITLE	MILITARY STANDARD
Other Cust	Slips	SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, PLAIN POINT, TYPE 2A AND UNF-2A	MS 35230
PROCUREMENT SPECIFICATION	PP-S-92	SUPERSEDES	SHEET 2 OF