



NOMINAL SIZE		A	B (.005)	C (.012)	D (.130)	E (.160)
THREADS PER INCH			56NC	47NC	48NC	48NC
BODY DIAMETER	D ₀	Max Min	.0860 .0717	.1170 .0927	.1300 .1157	.1620 .1477
HEAD DIAMETER	A	Max Min	.187 .155	.219 .187	.256 .224	.327 .295
HEAD HEIGHT	B	Max Min	.073 .045	.074 .046	.088 .072	.096 .085
SLOT WIDTH	C	Max Min	.031 .023	.039 .031	.048 .039	.054 .045
SLOT DEPTH	T	Max Min	.033 .023	.041 .037	.050 .038	.058 .043
RADIUS ON HEAD	E ₁	Max	.035	.047	.046	.052
RADIUS UNDER HEAD	E ₂	Max	.033	.048	.023	.023
LENGTH	L	Tolerance	Dash Number	Dash Number	Dash Number	Dash Number
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE HEAD. BEARING SURFACE OF THE HEAD OR CLOSER IF PRACTICABLE.	1/8	+0 -1/32	11	11	25	30
	1/16		12	12	25	30
	3/16		13	13	26	31
	1/8		14	14	27	32
	1/16		15	15	28	33
	3/16		16	16	29	34
	1/8		17	17	30	35
	3/16		18	18	31	36
	1/8		9	19	32	37
	10		20	33	38	
1-1/4	+0 -1/16	21	21	34	39	
1-1/2		22	22	35	40	
2-1/4		23	23	36	41	
Minimum Complete Thread Length of 1-3/4	+0 -1/32	24	24	37	42	
2-1/2		25	25	38	43	
3		26	26	39	44	

ⓐ CANCELLED
SEE SHEET 2

MATERIAL: Brass, Specification QQ-B-613 or QQ-N-323.
FINISH: Plain (untreated).
STANDARDS: 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 35229-1.
 (4) All dimensions in inches.

ⓑ For changes, see sheets 1 and 2.

P/A Ord Other Cont AN194	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, PLAIN FINISH, NC-2A AND UNC-2A	MILITARY STANDARD MS 35229 UNIT 1 OF 1
PROCUREMENT SPECIFICATION PP-1-92	SUPERMODEL	

APPROVED MS 35229 REVISED 15 APR 1964

NOMINAL SIZE			10 (.100)	1/4	5/16	3/8
THREADS PER INCH			16UNC	20UNC	18UNC	16UNC
BODY DIAMETER	D_b	Max Min	.1000 .1086	.2500 .2177	.3125 .2712	.3750 .3287
HEAD DIAMETER	A	Max Min	.173 .157	.433 .413	.515 .504	.640 .616
HEAD HEIGHT	H	Max Min	.110 .099	.144 .130	.178 .168	.212 .195
SLOT WIDTH	F	Max Min	.085 .080	.075 .064	.084 .072	.104 .081
SLOT DEPTH	T	Max Min	.047 .050	.087 .070	.109 .097	.130 .113
RADIUS ON HEAD	R_1	Max	.061	.087	.099	.143
RADIUS UNDER HEAD	R_2	Max	.011	.025	.027	.011
LENGTH	L	Tolerance	Dash Number	Dash Number	Dash Number	Dash Number
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE END OF THE SURFACE OF THE HEAD, OR OTHER AS SPECIFIABLE	1-1/8	±.000	82	76	① CANCELLED SEE NOTE	
	1-1/4		83	77		
	1-3/8		84	78		
	1-1/2		85	79		
	1-5/8		86	80		
	2-1/8	±.000	87	81		
	2-1/4		88	82		
	2-3/8		89	83		
	2-1/2		90	84		
	2-5/8		91	85		
Minimum Complete Thread Length of 1-1/4	3	±.000	72	75	104	117
			73	76	105	118
			74	77	106	119

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

① CANCELLED AFTER 18 JAN 1964. USE MS 35214. INTERCHANGEABILITY RELATIONSHIP - MS 35214 can replace the cancelled screws of the same size. The cancelled MS 35229 cannot always replace MS 35214 and should be used until existing stock is depleted. Then use only the superseding MS screws of the same size for design and replacement.

P.A. 004 Data Code 07190	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, PLAIN FINISH, MC-BA AND UMC-BA	MILITARY STANDARD MS 35229
DOCUMENT IDENTIFICATION PP-3-92	REVISIONS	DATE

APPROVED FEB 9, 1954 REVISED FEB 20, 1955