



NOMINAL SIZE	D		2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH			64NF	48NF	40NF	36NF
BODY DIAMETER	De	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	.053 .045	.068 .058	.082 .072	.096 .085
SLOT WIDTH	J	Max Min	.031 .023	.039 .031	.048 .039	.054 .045
SLOT DEPTH	T	Max Min	.033 .023	.041 .030	.050 .038	.058 .043
RADIUS ON HEAD	R <sub>1</sub>	Nom	.035	.042	.046	.052
RADIUS UNDER HEAD	R	Max	.011	.015	.018	.020
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	1	11	24	39
	3/16		2	12	25	40
	1/4		3	13	26	41
	5/16		4	14	27	42
	3/8	5	15	28	43	
	7/16	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	
Minimum Complete Thread Length of 1-3/4.	1-1/4	+0 -1/16	21	34	49	53
	1-1/2		22	35	50	54
	1-3/4		23	36	51	55
	2	+0 -3/32	37	38	52	56
	3		53	57	58	
			54	55	56	

Ⓐ CANCELLED  
SEE SHEET 2

**MATERIAL:** Brass, Specification QQ-B-611 or QQ-W-321.

**FINISH:** Plain (untreated).

**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 35230-1.
  - (4) All dimensions in inches.

Ⓐ For changes, see sheets 1 and 2.

P.A. Ord	Other Cust Ships	TITLE	MILITARY STANDARD
		SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, PLAIN FINISH, NF-2A AND UNF-2A	MS 35230
PROCUREMENT SPECIFICATION FP-S-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 thereby incurs no responsibility, nor any obligation whatsoever; 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 in any way be related thereto.

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

APPROVED FEB 9, 1964 REVISED 22 JUN 1962

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NOMINAL SIZE		D	10 (.190)	1/4	5/16	3/8
THREADS PER INCH			32UNF	28UNF	24UNF	20UNF
BODY DIAMETER	D <sub>e</sub>	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 <sub>1</sub>	Nom	.061	.087	.099	.143
RADIUS UNDER HEAD	R	Max	.023	.026	.031	.031
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	76	<b>(A) CANCELLED SEE NOTE</b>	
	3/16		61			
	1/4		62			
	5/16	63	77			
	3/8	64	78			
	7/16	65	79			
	1/2	66	80			
	5/8	67	81			
	3/4	68	82			
	7/8	69	83			
	1	70	84			
	1-1/4	71	85			
	1-1/2	72	86			
	1-3/4	73	87			
	2	74	88			
2-1/4	75	89				
2-1/2		90				
2-3/4		91				
3		92				
Minimum Complete Thread Length of 1-3/4.		93				
		94				
		95				
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NOTE: For illustration, material, finish, and other pertinent data, see sheet 1.

(A) CANCELLED AFTER 22 JAN 1984. USE MS35215. INTERCHANGABILITY 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. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

P.A. Ord Other Cust Ships	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, PLAIN FINISH, NF-2A AND UNF-2A	MILITARY STANDARD MS 35230
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES:	SHEET 2 OF

APPROVED FEB 9, 1984 REVISED FOR CHANGES SEE SHEETS 1 AND 2.