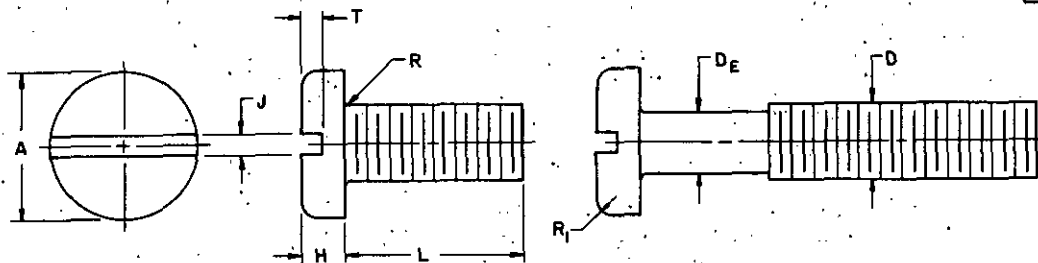


FED. SUP CLASS
5305

NOMINAL SIZE D			2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER. INCH			56NC	40NC	32NC	32NC
BODY DIAMETER	D _e	Max	.0860	.1120	.1380	.1640
		Min	.0717	.0925	.1141	.1399
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	.013	.018	.023	.023
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	+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	
	1		21	34	49	
	1-1/4	+0 -1/16		22	35	50
	1-1/2			23	36	51
	1-3/4				37	52
	2				38	53
	Minimum Complete Thread Length of 1-3/4.	2-1/4	+0 -3/32			
	2-1/2					55
	2-3/4					56
	3					57

Ⓐ CANCELLED
SEE SHEET 2

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

FINISH: Black Oxide, Specification JAN-F-495, type III.

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 35231-1.
 - (4) All dimensions in inches.

Ⓐ For changes, see sheets 1 and 2.

P.A. Ord Other Cust Ships	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, BLACK OXIDE FINISH, NC-2A AND UNC-2A	MILITARY STANDARD MS 35231
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 hereby 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.

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FED. SUP CLASS
5305

NOMINAL SIZE		D		10 (.190)	1/4	5/16	3/8
THREADS PER INCH				24NC	20UNC	18UNC	16UNC
BODY DIAMETER	D _e	Max		.1900	.2500	.3125	.3750
		Min		.1586	.2127	.2712	.3287
HEAD DIAMETER	A	Max		.373	.492	.615	.740
		Min		.357	.473	.594	.716
HEAD HEIGHT	H	Max		.110	.144	.178	.212
		Min		.099	.130	.162	.195
SLOT WIDTH	J	Max		.060	.075	.084	.094
		Min		.050	.064	.072	.081
SLOT DEPTH	T	Max		.067	.087	.109	.130
		Min		.050	.070	.092	.113
RADIUS ON HEAD		R _r	Nom	.061	.087	.099	.143
RADIUS UNDER HEAD		R	Max	.031	.025	.027	.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			58		Ⓐ CANCELLED SEE NOTE	
	3/16			59			
	1/4			60	76		
	5/16						
	3/8			61	77		92
	7/16			62	78		93
	1/2			63	79		94
	5/8			64	80		95
	3/4			65	81		96
	7/8			66	82		97
	1			67	83		98
	1-1/4			68	84		99
Minimum Complete Thread Length of 1-3/4.	1-1/2			69	85	100	113
	1-3/4			70	86	101	114
	2			71	87	102	115
	2-1/4			72	88	103	116
	2-1/2			73	89	104	117
	2-3/4			74	90	105	118
	3			75	91	106	119

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

- A CANCELLED AFTER 22 JUN 1962. USE MS35214. INTERCHANGEABILITY RELATIONSHIP - MS35214 can replace the cancelled screws of the same size. The cancelled MS35231 cannot always replace MS35214 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. Ord Other Cust Ships	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, BRASS, BLACK OXIDE FINISH, NC-2A AND UNC-2A.	MILITARY STANDARD MS 35231
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES:	SHEET 2 OF