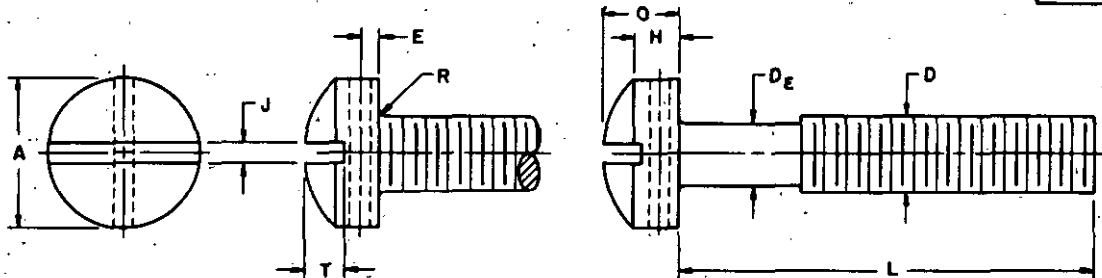


FED. SUP CLASS
5305

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	.140	.183	.226	.270		
		Min	.124	.166	.208	.250		
HEAD HEIGHT	H	Max	.062	.079	.096	.113		
		Min	.055	.072	.089	.106		
TOTAL HEAD HEIGHT	O	Max	.083	.107	.132	.156		
		Min	.070	.094	.118	.141		
SLOT WIDTH	J	Max	.031	.039	.048	.054		
		Min	.023	.031	.039	.045		
SLOT DEPTH	T	Max	.030	.038	.045	.065		
		Min	.022	.030	.035	.054		
NOMINAL DRILL LOCATION			E	.026	.035	.043	.043	
NOMINAL DRILL SIZE				.031	.037	.046	.046	
RADIUS			R	Max	.013	.018	.023	.023
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			1	11	24	39	
	3/16			2	12	25	40	
	1/4			3	13	26	41	
	5/16			4	14	27	42	
	3/8	+0 -1/32		5	15	28	43	
	7/16			6	16	29	44	
	1/2			7	17	30	45	
	5/8			8	18	31	46	
	3/4	+0 -1/16		9	19	32	47	
	7/8			10	20	33	48	
	1			21	34	49		
	1-1/4			22	35	50		
	1-1/2	+0 -3/32			23	36	51	
	1-3/4				37	52		
	2				38	53		
	2-1/4				54			
Minimum Complete Thread Length of 1-3/4.	2-1/2					55		
	2-3/4					56		
	3					57		

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 35271-1.
 - (4) Drilled hole to be on center approximately at right angle to the slot but must not break through the base or top (spherical portion) of the head.
 - (5) Screws shall be free of all loose or hanging burrs or slivers which might become dislodged under usage.
 - (6) All dimensions in inches.

Ⓐ
CANCELLED
SEE SHEET 2

Ⓐ For changes see sheets 1 and 2.

P.A.	WC	TITLE SCREW, MACHINE, DRILLED FILLISTER HEAD, SLOTTED, BRASS, PLAIN FINISH, NC-2A AND UNC-2A	MILITARY STANDARD	
Other Cust	SH 69		MS 35271	
PROCUREMENT SPECIFICATION FF-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 formulated, 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.

FED. SUP CLASS
5305

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 formulated, 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 right or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

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	.313	.414	.518	.622		
		Min	.292	.389	.490	.590		
HEAD HEIGHT	H	Max	.130	.170	.211	.253		
		Min	.123	.161	.201	.242		
TOTAL HEAD HEIGHT	O	Max	.180	.237	.295	.355		
		Min	.165	.219	.276	.333		
SLOT WIDTH	J	Max	.060	.075	.084	.094		
		Min	.050	.064	.072	.081		
SLOT DEPTH	T	Max	.075	.102	.130	.154		
		Min	.064	.087	.110	.134		
NOMINAL DRILL LOCATION			E	.043	.062	.078	.094	
NOMINAL DRILL SIZE				.046	.062	.070	.070	
RADIUS			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	+0 -1/32	58	76	92	107		
	3/16		59					
	1/4		60					
	3/8		61					
	7/16		62					
	1/2		63					
	5/8		64			108		
	3/4	+0 -1/16	65	81	96	109		
	7/8		66					
	1		67					
	1-1/4		68					
	1-1/2		69					
	1-3/4		70					
Minimum Complete Thread Length of 1-3/4	2	+0 -3/32	71	87	102	115		
	2-1/4		72					
	2-1/2		73					
	2-3/4		74					
3	75	89	104	117				
			90	105	118			
			91	106	119			

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

- Ⓐ CANCELLED AFTER 29 JULY 1965. USE MS35273. INTERCHANGEABILITY RELATIONSHIP - MS35273 can replace the cancelled screws of the same size. The cancelled MS35271 cannot always replace MS35273 and should be used until existing stock is depleted. Then use only the superseding MS screws of the same size for design and replacement.

Ⓐ
CANCELLED
SEE NOTE

P.A.	WC	TITLE		MILITARY STANDARD
Other Cust	SH 69	SCREW, MACHINE, DRILLED FILLISTER HEAD, SLOTTED, BRASS, PLAIN FINISH, NC-2A AND UNC-2A		MS 35271
PROCUREMENT SPECIFICATION FF-S-92		SUPERSEDES:		SHEET 2 OF