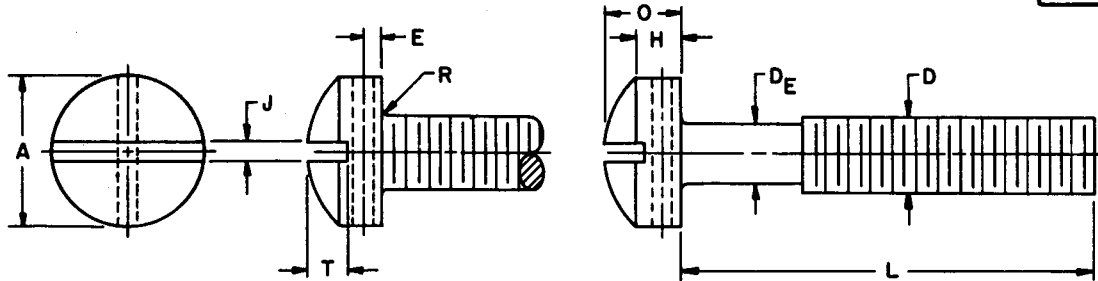


FED. SUP CLASS
5305

NOMINAL SIZE	D	2 (.086)	4 (.112)	6 (.138)	8 (.164)
THREADS PER INCH		64NF	48NF	40NF	36NF
BODY DIAMETER	D _e Max Min	.0860 .0733	.1120 .0954	.1380 .1184	.1640 .1424
HEAD DIAMETER	A Max Min	.140 .124	.183 .166	.226 .208	.270 .250
HEAD HEIGHT	H Max Min	.062 .055	.079 .072	.096 .089	.113 .106
TOTAL HEAD HEIGHT	O Max Min	.083 .070	.107 .094	.132 .118	.156 .141
SLOT WIDTH	J Max Min	.031 .023	.039 .031	.048 .039	.054 .045
SLOT DEPTH	T Max Min	.030 .022	.038 .030	.045 .035	.065 .054
NOMINAL DRILL LOCATION	E	.026	.035	.043	.043
NOMINAL DRILL SIZE		.031	.037	.046	.046
RADIUS	R Max	.031	.041	.050	.055
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
	3/16		2	12	25
	1/4		3	13	26
	5/16		4	14	27
	3/8		5	15	28
	7/16		6	16	29
	1/2		7	17	30
	5/8		8	18	31
	3/4		9	19	32
	7/8		10	20	33
Minimum Complete Thread Length of 1-3/4.	1-1/4	+0 -1/16		21	34
	1-1/2			22	35
	1-3/4			23	36
	2				37
	2-1/4				38
	2-1/2				
	2-3/4				
	3				

MATERIAL: Carbon Steel, Specification QQ-W-409 or QQ-S-633, except Bessemer composition; 55,000 PSI minimum ultimate tensile strength.

FINISH: Phosphate coated, Specification MIL-C-16232, type II.

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: MS35270-1.
 - (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	MILITARY STANDARD
Other Cust	SH 69	SCREW, MACHINE, DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, PHOSPHATE COATED, NF-2A AND UNF-2A	MS 35270
PROCUREMENT SPECIFICATION PF-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.

NOTICE:—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement's 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						
NOMINAL SIZE	D		10 (.190)	1/4	5/16	3/8
THREADS PER INCH			32NF	28UNF	24UNF	24UNF
BODY DIAMETER	D _e	Max Min	.1900 .1658	.2500 .2225	.3125 .2806	.3750 .3430
HEAD DIAMETER	A	Max Min	.313 .292	.414 .389	.518 .490	.622 .590
HEAD HEIGHT	H	Max Min	.130 .123	.170 .161	.211 .201	.253 .242
TOTAL HEAD HEIGHT	O	Max Min	.180 .165	.237 .219	.295 .276	.355 .333
SLOT WIDTH	J	Max Min	.060 .050	.075 .064	.084 .072	.094 .081
SLOT DEPTH	T	Max Min	.075 .064	.102 .087	.130 .110	.154 .134
NOMINAL DRILL LOCATION E			.043	.062	.078	.094
NOMINAL DRILL SIZE			.046	.062	.070	.070
RADIUS	R	Max	.063	.071	.083	.083
LENGTH	L	Tolerance	Dash Number	Dash Number	Dash Number	Dash Number
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SUR- FACE OF THE HEAD, OR CLOSER IF PRACTICABLE.	1/8	+0 -1/32	58	76		
	3/16		59			
	1/4		60			
	5/16		61			
	3/8		62			
	7/16	63	77	92	107	
	1/2	64	78	93		
	5/8	65	79	94		
	3/4	66	80	95		
	7/8	67	81	96		
	1	68	82	97	109	
	1-1/4	69	83	98	110	
	1-1/2	70	84	99	111	
	1-3/4	71	85	100	112	
	2	72	86	101	113	
2-1/4	73	87	102	114		
2-1/2	74	88	103	115		
2-3/4	75	89	104	116		
3		90	105	117		
		91	106	118		
				107	119	
				108		
				109		
				110		
				111		
				112		
				113		
				114		
				115		
				116		
				117		
				118		
				119		
NOTE: For illustration, material, finish, and other pertinent data, see sheet 1.						
(B) REINSTATED AND CANCELLED AFTER 12 Nov 1964 Use MS35266. INTERCHANGEABILITY RELATIONSHIP - MS35266 can replace the cancelled screws of the same size. The cancelled MS35270 cannot always replace MS35266 and should be used until existing stock is depleted. Then use only the superseding MS screws of the same size for design and replacement.						
(B) CANCELLED SEE NOTE						
P.A.	WC	TITLE			MILITARY STANDARD	
Other Cust	SH 69	SCREW, MACHINE, DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, PHOSPHATE COATED, NF-2A AND UNF-2A			MS 35270	
PROCUREMENT SPECIFICATION FF-S-92		SUPERSEDES:			SHEET 2 OF	

APPROVED FEB 9, 1954 REVISED (A) FOR CHANGES SEE SHEETS 1 AND 2. (B) FOR CHANGES SEE SHEETS 1 AND 2.