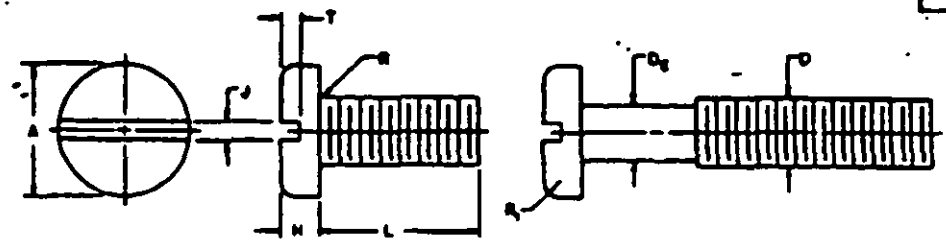


FED. SPEC CLASS
5305



NOMINAL SIZE		D	R (.095)	A (.112)	H (.138)	B (.164)
THREADS PER INCH			16NC	16NC	16NC	16NC
BODY DIAMETER	D ₁	Max	.0860	.1120	.1380	.1640
		Min	.0717	.0925	.1141	.1399
HEAD DIAMETER	A	Max	.157	.219	.270	.321
		Min	.155	.205	.255	.306
HEAD HEIGHT	H	Max	.073	.065	.082	.086
		Min	.045	.038	.077	.086
SLOT WIDTH	J	Max	.031	.039	.048	.057
		Min	.027	.031	.039	.047
SLOT DEPTH	T	Max	.033	.041	.050	.058
		Min	.023	.030	.038	.043
RADIUS ON HEAD		R	Min	.042	.046	.053
RADIUS UNDER HEAD		R	Max	.038	.027	.027

LENGTH	L	Tolerances	Dash Number		Dash Number	
			1	2	3	4
THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR SHORTER IF PRACTICABLE.	1/8	±.001	1	11	16 NC 1	6-53
	1/8		2	12		
	1/8		3	13		
	1/8		4	14		
	1/8		5	15		
	1/8		6	16		
	1/8		7	17		
	1/8		8	18		
	1/8		9	19		
	1/8		10	20		
PERFORM COMPLETE THROUGH LENGTH OF 1-1/2"	1-1/2	±.001	21	22	16 NC 2	6-53
	1-3/8		23			
	1-1/2		24			
PERFORM COMPLETE THROUGH LENGTH OF 2-1/2"	2-1/2	±.001	25	26	16 NC 3	6-53
	2-3/8		27			

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

FINISH: Cadmium plated, Specification QQ-P-416, Type II, class C.

THREADS: The threads shall be in accordance with Screw-Thread Standards for Federal Services Handbook S-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 NC part number consists of the NC sheet number, plus the dash number. Example: NC 35223-1.
 All dimensions in inches.

Ⓢ CANCELLED - SEE SHEET 2
(EXCEPT DASH NO. 61, WHICH IS INACTIVE.)

Ⓢ for changes see sheets 1 and 2.

NOTES: This drawing is intended to be used for the design of parts which will be used in conjunction with the drawing of the part to which it is referred. It is not to be used for the design of parts which will be used in conjunction with the drawing of the part to which it is referred. It is not to be used for the design of parts which will be used in conjunction with the drawing of the part to which it is referred.

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P.A. WC	TITLE	MILITARY STANDARD
Other Com 34	SCREW, MACHINE, PAN HEAD, SLOTTED, CARBON STEEL, CADMIUM PLATED, NC-2A AND UNC-2A	MS 35223
PROCUREMENT SPECIFICATION: PF-3-92	SYMBOLS	SHEET 1 OF 2

DD FORM 672-1 (Continued)

APPROVED 9 FEB 1954 REVISED 15 JAN 1973

FED. SUP CLASS
5305

NOTE - This drawing is intended for use in connection with the Army, Navy, and Air Force specifications for screws. It is not intended to be used for other purposes. The dimensions shown are for the standard screw. The dimensions for other sizes may be obtained from the appropriate specification.

NOMINAL SIZE		D	10 (.299)	1/4	5/16	3/8
THREADS PER INCH			18UNC	18UNC	18UNC	18UNC
BODY DIAMETER	D _b	Max	.3900	.4900	.6150	.7500
		Min	.3586	.4587	.5713	.7067
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	Z	Max	.060	.075	.084	.094
		Min	.050	.064	.072	.081
SLOT DEPTH	T	Max	.067	.087	.109	.130
		Min	.050	.070	.092	.113
RADIUS OF HEAD	R ₁	Max	.061	.087	.099	.143
RADIUS UNDER HEAD	R	Max	.031	.025	.027	.031
LENGTH	L	Tolerance				
		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			
			59			
			60		76	
			61		77	
			62		78	94230
			63		79	107
	3/8	+0 -1/32	84			108
			85			109
			86			110
	1/2	+0 -1/32	87			111
			88			112
			89			113
2-1/4	+0 -1/32	90			114	
		91			115	
		92			116	
Minimum Complete Thread Length of 1-3/4"	+0 -1/32	93			117	
		94			118	
		95			119	

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

(B) CANCELLED AFTER 15 JUN 1962 - USE MS35206
(EXCEPT DASH NO. 61, WHICH IS INACTIVE FOR NEW DESIGN AFTER 15 JAN 1973.
USE FOR MAINTENANCE PURPOSES ONLY.)

INTERCHANGEABILITY RELATIONSHIP - MS35206 can replace the cancelled screws of the same size. The cancelled MS35223 cannot always replace MS35206 and should be used until existing stock is depleted. There are only the superseding MS35206 screws of the same size for design and replacement.

P.A. WC Other Con. 24	TITLE SCREW, MACHINE, PAN HEAD, SLOTTED, CARBON STEEL, CADMIUM PLATED, NC-2A AND UNC-2A	MILITARY STANDARD MS 35223
PROCUREMENT SPECIFICATION PF-3-92	SUPERSEDES	SHEET 2 OF

DD FORM 672-1 (Continued)

APPROVED 9 FEB 1954 REVISED (A) 15 JUN 1962 (B) FOR CHANGES SEE SHEETS 1 AND 2.