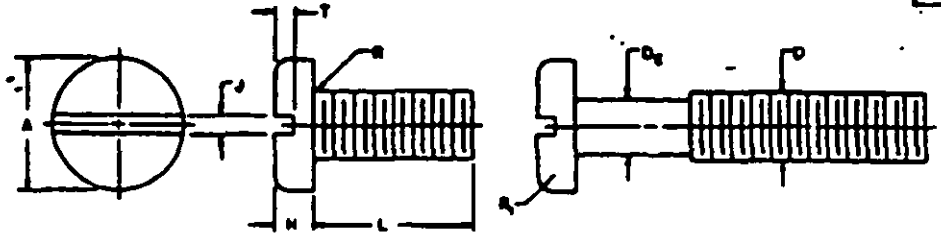


FED. SPEC. CLASS
5305

NOMINAL SIZE D		P (.095)	A (.112)	E (.138)	G (.164)
THREADS PER INCH		100	100	100	100
BODY DIAMETER D _b	Max	.0860	.1120	.1380	.1640
	Min	.0717	.0925	.1141	.1359
HEAD DIAMETER A	Max	.157	.219	.270	.321
	Min	.155	.205	.255	.305
HEAD HEIGHT E	Max	.053	.065	.082	.096
	Min	.045	.055	.072	.085
SLOT WIDTH J	Max	.011	.039	.048	.054
	Min	.023	.031	.039	.045
SLOT DEPTH T	Max	.011	.041	.050	.058
	Min	.023	.030	.038	.043
RADIUS ON HEAD R	Min	.035	.042	.046	.053
	Max	.013	.018	.023	.027
LENGTH L		Tolerance	Dash Number	Dash Number	Dash Number
THREAD SHALL EXTEND TO WITHIN 2 TWENTHS OF THE BEARING SURFACE OF THE HEAD, OR SHORTER IF PRACTICABLE.	1/8		1	11	21
	1/16		2	12	22
	1/8		3	13	23
	1/16		4	14	24
	1/8	±.003	5	15	25
	1/16		6	16	26
	1/8		7	17	27
	1/16		8	18	28
	1/8		9	19	29
	1/16		10	20	30
FINISH: Complete Thread Length of 1-1/2".	1-1/2	±.003	21	31	41
	1-3/4		22	32	42
	2		23	33	43
FINISH: Complete Thread Length of 1-1/2".	2-1/2	±.003	44	54	64
	2-3/4		45	55	65
FINISH: Complete Thread Length of 1-1/2".	3		46	56	66
	3		47	57	67

MATERIAL: Carbon Steel, Specification QQ-W-409 or QQ-S-633, except Brinell 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.

⑤ CANCELLED - SEE SHEET 2
(EXCEPT DASH NO. 61, WHICH IS INACTIVE.)

⑤ for changes see sheets 1 and 2.

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

DD FORM 672-1 (Continued)

FEDERAL GOVERNMENT OF THE UNITED STATES OF AMERICA

This military standard is approved by the Department of Defense and is mandatory on all activities. All parties to all contracts and development agreements and to regulations and shall be made from this document.

APPROVED 9 FEB 1954 REVISED 15 JAN 1973

FED. SUP. CLASS
5305

NOTE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement, the United States Government hereby disclaims any responsibility, and no obligation, for any such use. It is the policy of the Government to make its data available to the public in any form and by any means, and to make its data available to the public in any form and by any means, and to make its data available to the public in any form and by any means.

NOMINAL SIZE			10 (.199)		1/4	5/16	3/8
THREADS PER INCH			FINE		FINE	FINE	FINE
BODY DIAMETER	D _b	Max	.1900	.1900	.2187	.2713	.3750
		Min	.1586	.2187	.2713	.3507	
HEAD DIAMETER	A	Max	.373	.492	.615	.780	
		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 ON HEAD	R ₁	Max	.061	.087	.109	.130	
		Min	.051	.077	.092	.113	
RADIUS UNDER HEAD	R ₂	Max	.031	.025	.027	.031	
		Min	.021	.017	.019	.021	
LENGTH		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	94	107	
	3/16		59				
	1/4		60				
	5/16		61				
	7/16		62				
	1/2		63				
	5/8		64				
	3/4	+0 -1/16	65	81	98	109	
	7/8		66				
	1-1/8		67				
	1-1/4		68				
	1-1/2		69				
	1-3/4		70				
Minimum Complete Thread Length of 1-3/4"	2-1/4	+0 -1/32	71	87	103	116	
	2-1/2		72				
	2-3/4		73				
	3		74				
			75	89	104	117	
				90	105	118	
				91	106	119	

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

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 PP-3-92	SUPERSEDES	SHEET 2 OF

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

★ U. S. GOVERNMENT PRINTING OFFICE: 1973 - 714-541/3520

This military standard is controlled by the Department of Defense and is mandatory on all activities. Its use is required for all new engineering and design work. It is the policy of the Department of Defense to make its data available to the public in any form and by any means, and to make its data available to the public in any form and by any means.

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