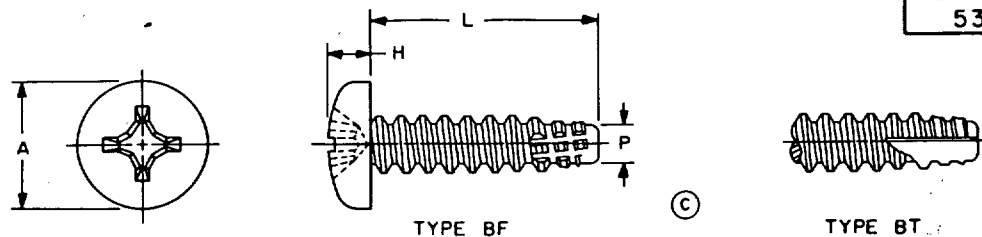


REVIEWER: AV, IS, MI, NSA, ES, MC,  
USER: AS, AT, CL, NC, NE, OS, SH

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



FED. SUP CLASS  
5305

TABLE 1

NOMINAL SIZE		2(.086)	4(.112)	6(.138)	8(.164)	10(.190)	1/4(.250)
THREADS PER INCH		32	24	20	18	16	14
A HEAD DIA	MAX	.167	.219	.270	.322	.373	.492
	MIN	.155	.205	.256	.306	.357	.473
H HEAD HEIGHT	MAX	.062	.080	.097	.115	.133	.175
	MIN	.053	.070	.087	.105	.122	.162
P POINT DIA	MAX	.058	.079	.095	.112	.130	.179
	MIN	.054	.074	.089	.106	.123	.171
L LENGTH	TOL.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
.188		1		17			
.250		2	9	18			
.312		3	10	19	28		
.375		4	11		29	42	55
.500	+0 -.031	5	12	20	30	43	56
.625		6	13	21	31	44	57
.750			14	22	32	45	58
.875				23	33	46	59
1.000	+0			24	34	47	60
1.250	-.047			25	35	48	61
1.500				26	36	49	62
1.750					37	50	63
2.000	+0				38	51	64
2.250	-.062				39	52	65
2.500					40	53	66

NOTES:

1. MATERIAL: Steel, carbon, in accordance with procurement specification.
2. PROTECTIVE COATING: Cadmium plated in accordance with procurement specification.
3. THREADS: The threads shall be in accordance with the applicable requirements of the procurement specification.
4. RECESS: The recess shall be in accordance with MS9006.
5. HOLE SIZES: For approximate hole sizes see MS24633.
6. DIMENSIONS: All dimensions are in inches, unless otherwise specified.
7. PART NUMBER: The MS part number consists of the MS number plus the dash number.  
Example: MS24625-1.
8. Referenced documents shall be of the issue in effect on date of invitations for bid.
9. For design feature purposes, this standard takes precedence over procurement document referenced herein.
10. For aeronautical applications, these screws are subject to ASD10057 limitations and installation requirements.

INTERCHANGEABILITY TABLE

The screws covered by the following dash numbers of MS24645 are cancelled after 25 Feb 1963. The cancelled screws cannot always replace the superseding screws and should be used until existing stocks are depleted. Use only the superseding screws for design and engineering. Replacement shall be in accordance with the table.

DASH NUMBERS									
CANC MS24645	SUPSD MS24625	CANC MS24645	SUPSD MS24625	CANC MS24645	SUPSD MS24625	CANC MS24645	SUPSD MS24625	CANC MS24645	SUPSD MS24625
1	1	17	17	29	29	44	43	57	56
2	2	18	16	30	30	45	44	58	57
3	3	19	19	31	31	46	45	59	58
4	4	20	20	32	32	47	46	60	59
5	9	21	21	33	33	48	47	61	60
9	10	22	22	34	34	49	48	62	61
10	11	23	23	35	35	50	49	63	62
11	12	24	24	36	36	51	50	64	63
12	13	28	28	43	42	52	51	65	64

P.A. VC Other Cust 82	TITLE SCREW, TAPPING-THREAD CUTTING, TYPE BF OR BT, PAN HEAD, CROSS-RECESSED, CARBON STEEL	MILITARY STANDARD MS24625
PROCUREMENT SPECIFICATION FF-S-107	SUPERSEDES: MS24645	SHEET 1 OF 1