

FED. SUPPLY CLASS

5305

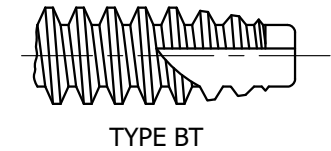
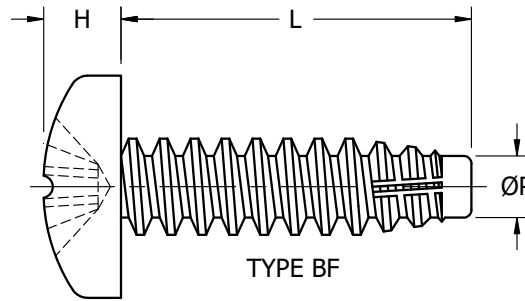
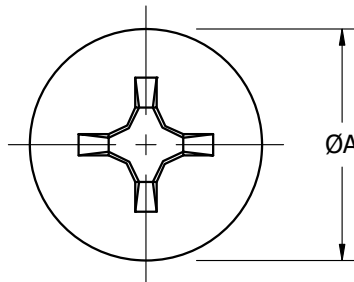


TABLE I – DIMENSIONS

NOMINAL SIZE	THREADS PER INCH	ØA HEAD		H HEAD HEIGHT		ØP POINT	
		MAX	MIN	MAX	MIN	MAX	MIN
2 (.0860)	32	.167	.155	.062	.053	.058	.054
4 (.1120)	24	.219	.205	.080	.070	.079	.074
6 (.1380)	20	.270	.256	.097	.087	.095	.089
8 (.1640)	18	.322	.306	.115	.105	.112	.106
10 (.1900)	16	.373	.357	.133	.122	.130	.123
1/4 (.2500)	14	.492	.473	.175	.162	.179	.171

MATERIAL:

②

CARBON STEEL SHALL BE AISI 1016 (UNS G10160), 1018 (UNS G10180), 1019 (UNS G10190), 1021 (UNS G10210), 1022 (UNS G10220) OR 1024 (UNS G10240) (HARDENED) IN ACCORDANCE WITH AIR4127.

FINISH:

②

CADMIUM PLATED PER AMS-QQ-P-416, TYPE II, CLASS 3.

CODE:

THE PART NUMBER CONSISTS OF THE BASIC PART NUMBER PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER:

MS24625-1

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS24625, REVISION C. PART NUMBERS REMAIN MS24625.

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		2	
PROCUREMENT SPECIFICATION	FF-S-107	TITLE		CLASSIFICATION PART STANDARD	
		SCREW, TAPPING, THREAD CUTTING, TYPE BF OR BT, PAN HEAD, CROSS-RECESSED, CARBON STEEL		MSM24625 SHEET 1 OF 3	

NOTES:

- (1) THE THREADS SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE PROCUREMENT SPECIFICATION.
- (2) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- (3) FOR APPROXIMATE HOLE SIZES, SEE MS24633.
- (4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (6) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (7) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (9) FOR AERONAUTICAL APPLICATIONS, THESE SCREWS ARE SUBJECT TO AND10067 LIMITATIONS AND INSTALLATION REQUIREMENTS.

TABLE II – LENGTH DASH NUMBERS

L LENGTH	TOLERANCE	2 (.0860)	4 (.1120)	6 (.1380)	8 (.1640)	10 (.1900)	1/4 (.2500)
.188		1	–	–	–	–	–
.250		2	9	17	–	–	–
.312		3	10	18	28	–	–
.375	+ .000	4	11	19	29	42	55
.500	– .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	+ .000	–	–	24	34	47	60
1.250	– .047	–	–	25	35	48	61
1.500		–	–	26	36	49	62
1.750		–	–	–	37	50	63
2.000	+ .000	–	–	–	38	51	64
2.250	– .062	–	–	–	39	52	65
2.500		–	–	–	40	53	66

INTERCHANGEABILITY TABLE

THE SCREWS COVERED BY THE FOLLOWING DASH NUMBERS OF MS24645 ARE CANCELLED AFTER 26 FEB 1961. THE CANCELLED SCREWS CANNOT ALWAYS REPLACE THE SUPERSEDING SCREWS AND SHOULD BE USED UNTIL EXISTING

REVISION

2

NASM24625

SHEET 2



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