

FED. SUPPLY CLASS

5305

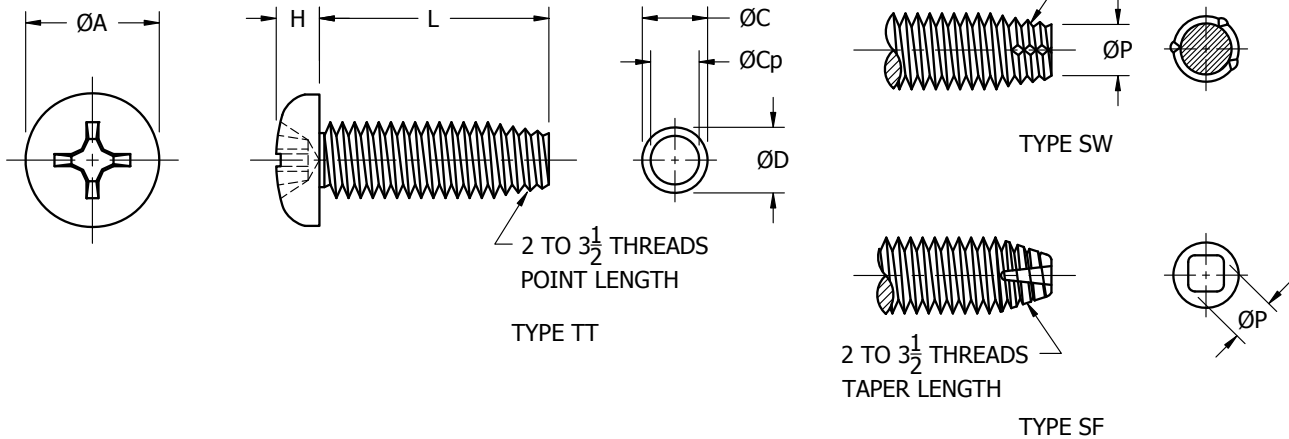


TABLE I – DIMENSIONS

NOMINAL SIZE	THREADS PER INCH	ØA HEAD		ØC CIRCLE		ØC _p CIRCLE	ØD ACROSS CENTER		H HEAD HEIGHT		ØP POINT	
		MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN
#2 (.0860)	56	.167	.155	.0875	.0835	.070	.0840	.0800	.062	.053	.067	.061
#4 (.1120)	40	.219	.205	.1145	.1105	.090	.1095	.1055	.080	.070	.086	.077
#6 (.1380)	32	.270	.256	.1410	.1350	.111	.1350	.1290	.097	.087	.106	.095
#8 (.1640)	32	.322	.306	.1670	.1610	.137	.1610	.1550	.115	.105	.132	.121
#10 (.1900)	24	.373	.357	.1940	.1880	.153	.1850	.1790	.133	.122	.147	.133
1/4 (.2500)	20	.492	.473	.2550	.2490	.206	.2460	.2400	.175	.162	.198	.181

MATERIAL:

CARBON STEEL AND CRES IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.

FINISH:

CARBON STEEL SHALL BE CADMIUM PLATED AND CRES SHALL BE PASSIVATED IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.

CODE:

THE PART NUMBER CONSISTS OF THE BASIC PART NUMBER, PLUS THE DASH NUMBER FROM TABLE II.

EXAMPLE OF PART NUMBER:

MS51863-1

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS51863. PART NUMBERS REMAIN MS51863.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-107	TITLE SCREW, TAPPING, HIGH PERFORMANCE, THREAD ROLLING, TYPES SF, SW AND TT, PAN HEAD, CROSS-RECESSED	CLASSIFICATION PART STANDARD
		MS51863 SHEET 1 OF 2

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) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (5) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (6) 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.
- (7) TYPE TT TRI-LOBULAR SECTION IS MAINTAINED THROUGHOUT THE FULL LENGTH OF THE SCREW.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

TABLE II – LENGTH DASH NUMBERS

L LENGTH		2 (.0860)		4 (.1120)		6 (.1380)		8 (.1640)		10 (.1900)		1/4 (.2500)	
		CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL
.250	+ .000 – .031	1	1C	11	11C	21	21C	–	–	–	–	–	–
.375		2	2C	12	12C	22	22C	32	32C	42	42C	–	–
.500		3	3C	13	13C	23	23C	33	33C	43	43C	53	53C
.625		4	4C	14	14C	24	24C	34	34C	44	44C	54	54C
.750	+ .000 – .047	–	–	15	15C	25	25C	35	35C	45	45C	55	55C
.875		–	–	16	16C	26	26C	36	36C	46	46C	56	56C
1.000		–	–	–	–	27	27C	37	37C	47	47C	57	57C
1.250		–	–	–	–	–	–	38	38C	48	48C	58	58C
1.500	+ .000 – .062	–	–	–	–	–	–	39	39C	49	49C	59	59C
1.750		–	–	–	–	–	–	–	–	50	50C	60	60C
2.000		–	–	–	–	–	–	–	–	–	–	61	61C
2.250		–	–	–	–	–	–	–	–	–	–	62	62C

① COMPLETELY REVISED

REVISION

1

NASM51863

SHEET 2



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