

FED. SUPPLY CLASS

5305

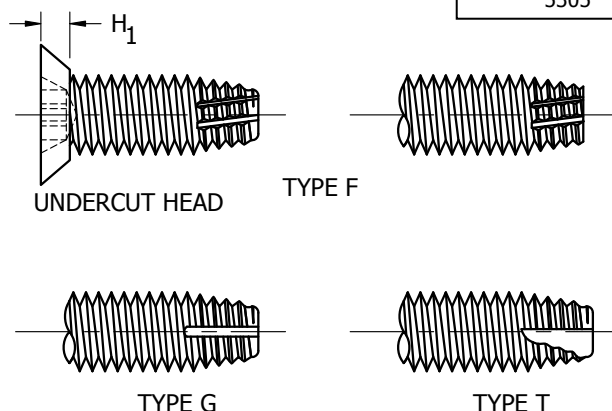
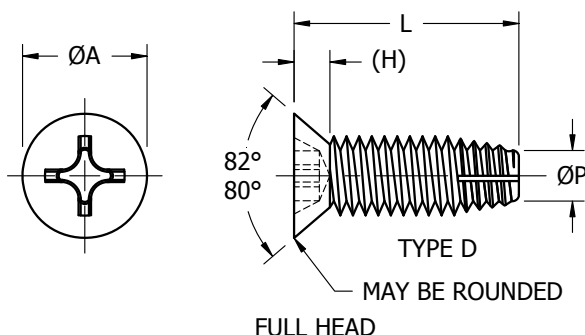


TABLE I – DIMENSIONS

NOMINAL SIZE	THREADS PER INCH	ØA HEAD		(H) HEAD HEIGHT	H ₁ UNDERCUT HEAD HEIGHT		ØP POINT	
		MAX SHARP	MIN FLAT		MAX	MIN	MAX	MIN
#2 (.0860)	56	.172	.147	.051	.036	.028	.067	.061
#4 (.1120)	40	.225	.195	.067	.047	.038	.086	.077
#6 (.1380)	32	.279	.244	.083	.059	.048	.106	.095
#8 (.1640)	32	.332	.292	.100	.070	.058	.132	.121
#10 (.1900)	24	.385	.340	.116	.081	.068	.147	.133
1/4 (.2500)	20	.507	.452	.153	.107	.092	.198	.181

MATERIAL:

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 PER ~~FED-STD-66~~ AIR4127.

FINISH:

CARBON STEEL SHALL BE CADMIUM PLATED IN ACCORDANCE WITH 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:

MS24627-1

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS24627, REVISION C. PART NUMBERS REMAIN MS24627.

THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-107	TITLE (1) SCREW, TAPPING, THREAD CUTTING, TYPES D, F, G OR T, FLAT 82° COUNTERSUNK HEAD, CRUCIFORM RECESS, CARBON STEEL	CLASSIFICATION PART STANDARD NASM24627 SHEET 1 OF 3

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
11000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 09-01

REVISION DATE: FEBRUARY 28, 2013

ISSUE DATE: OCTOBER 1998

NOTES:

- (1) THE THREADS SHALL BE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- (2) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- /3/ SHORT LENGTHS: LENGTHS ABOVE DOTTED LINES SHALL HAVE UNDERCUT HEADS.
- (4) FOR APPROXIMATE HOLE SIZES SEE NASM24634.
- (5) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (7) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (8) 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.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /10/ NO REPLACEMENT.

TABLE II – LENGTH DASH NUMBERS

NOMINAL SIZE		#2 (.0860)	#4 (.1120)	#6 (.1380)	#8 (.1640)	#10 (.1900)	1/4 (.2500)
L LENGTH	TOL	DASH NUMBERS					
.250		1	10	20	30	–	–
.312		2	11	21	31	45	–
.375		3	12	22	32	46	–
.438	+ .000	–	13	23	–	–	–
.500	– .031	5	14	24	34	48	62
.625		–	15	25	35	49	63
.750		–	16	26	36	50	64
.875		–	–	27	37	51	65
1.000	+ .000	–	–	28	38	52	66
1.250	– .047	–	–	–	39	53	67
1.500		–	–	–	40	54	68
1.750	+ .000	–	–	–	41	55	69
2.000	– .062	–	–	–	–	56	70

/3/

① COMPLETELY REVISED

REVISION

1

NASM24627

SHEET 2



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