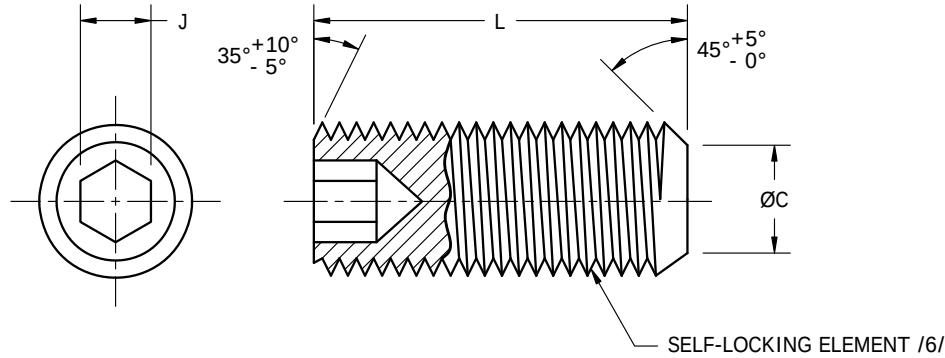




FED. SUPPLY CLASS

5305

TABLE I – DIMENSIONS AND DASH NUMBERS

NOMINAL SIZE		.0600	.0860	.1120	.1380	.1640	.1900		.2500		.3125		.3750		.5000		
THREADS PER INCH (UNF-3A)		80	64	48	40	36	32		28		24		24		20		
J SOCKET WIDTH ACROSS FLATS NOM		.028	.035	.050	.062	.078	.094		.125		.156		.188		.250		
ØC POINT	MAX	.033	.047	.061	.074	.087	.102		.132		.172		.212		.291		
	MIN	.027	.039	.051	.064	.076	.089		.118		.156		.194		.270		
L LENGTH	TOL	DASH NUMBERS															
		PLAIN	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	
.062	±.010	1 /a/						110 /a/									
.125			7 /a/	16 /a/	25 /a/	35 /a/		111 /a/									
.188			8 /a/	17 /a/	26 /a/	36 /a/	48 /a/	112 /a/		121 /a/							
.250			9 /a/	18 /a/	27 /a/	37 /a/	49 /a/	113 /a/	60 /a/	122 /a/	73 /a/	134					
.312				19 /a/	28 /a/	38 /a/	50 /a/	113 /a/	61 /a/	123 /a/	74 /a/	135	86 /a/		98 /a/		
.375	±.010				29 /a/	39 /a/	51 /a/	114 /a/	62 /a/	124 /a/	75 /a/	136	87 /a/	146 /a/	99 /a/	156 /a/	
.438								115 /a/		125 /a/							
.500							40 /a/	52 /a/	116 /a/	63 /a/	126 /a/	76 /a/	137	88 /a/	147	100 /a/	
.562									117 /a/		127 /a/						
.625							41 /a/	53 /a/	118 /a/	64 /a/	128 /a/	77 /a/	138	89 /a/	148	101 /a/	158
.750	±.020					42 /a/	54 /a/	119 /a/	65 /a/	129 /a/	78 /a/	139	90 /a/	149	102 /a/	159	
.875									66 /a/	130 /a/	79 /a/	140	91 /a/	150	103 /a/	160	
1.000								120	67 /a/	131 /a/	80 /a/	141	92 /a/	151	104 /a/	161	
1.250										132 /a/		142		152		162	
1.500											133		143		153		163
1.750	±.031											144		154		164	
2.000												145		155		165	
2.500																166	
3.000																167	

/a/ INACTIVE FOR DESIGN AFTER 29 DEC 1972. FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS51966, REVISION A. PART NUMBERS REMAIN MS51966.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-200	TITLE SETSCREW, HEXAGON SOCKET, FLAT POINT, ALLOY STEEL, CADMIUM PLATED, UNF-3A, PLAIN AND SELF-LOCKING	CLASSIFICATION PART STANDARD MS51966



NAS
SHEET 1 OF 3
Document Sharing Hub

MATERIAL:

ALLOY STEEL IN ACCORDANCE WITH PROCUREMENT SPECIFICATION, HAVING A HARDNESS OF 45-53 HRC.

FINISH:

CADMIUM PLATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

CODE:

THE PART NUMBER CONSISTS OF THE MS NUMBER PLUS A DASH NUMBER FROM TABLE I.

EXAMPLE OF PART NUMBER:

MS51966-48.

NOTES:

- (1) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (2) THE THREADS SHALL BE IN ACCORDANCE WITH MIL-S-7742.
- (3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (6) SELF-LOCKING ELEMENT:
 - (a) THE SELF-LOCKING ELEMENT SHALL BE IN ACCORDANCE WITH MIL-DTL-18240.
 - (b) FOR DESIGN AND USAGE LIMITATIONS, SEE NASM15981.
 - (c) LOCATION OF EFFECTIVE LOCKING AREA SHALL BE IN ACCORDANCE WITH NASM15981.
 - (d) MAXIMUM RING GAGE DIAMETER THAT LOCKING REGION OF SETSCREW MUST PASS THRU FREELY OR WITH FINGER PRESSURE SHALL BE THE NOMINAL SIZE PLUS .010.
 - (e) MIL-DTL-18240 DOESN'T ESTABLISH TORQUE REQUIREMENTS FOR LENGTHS ABOVE THE DASHED LINE. ONLY A POSITIVE INDICATION OF TORQUE IS REQUIRED.
- (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.

① COMPLETELY REVISED

REVISION
1
NASM51966ts
SHEET 2

