

FED. SUPPLY CLASS

5305

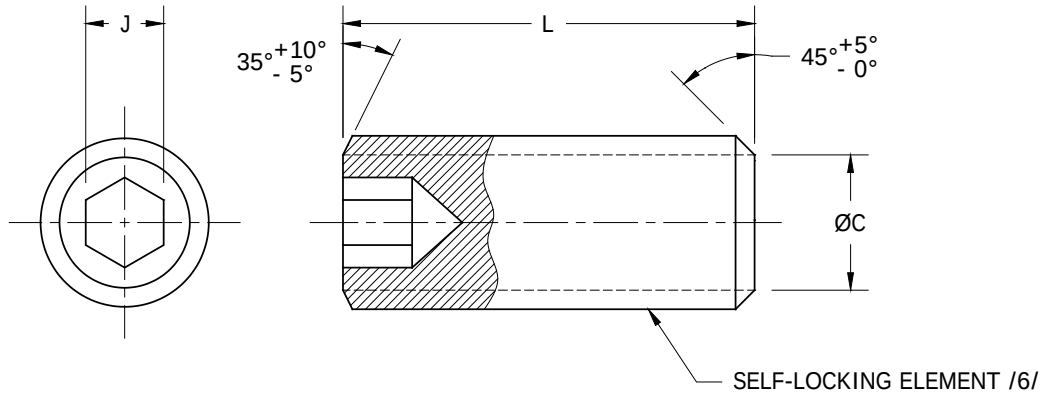


TABLE I – DIMENSIONS

NOMINAL SIZE	THREADS PER INCH UNF-3A	J SOCKET WIDTH ACROSS FLATS NOM	ØC POINT	
			MAX	MIN
.0600	80	.028	.033	.027
.0860	64	.035	.047	.039
.1120	48	.050	.061	.051
.1380	40	.062	.074	.064
.1640	36	.078	.087	.076
.1900	32	.094	.102	.089
.2500	28	.125	.132	.118
.3125	24	.156	.172	.156
.3750	24	.188	.212	.194
.5000	20	.250	.291	.270

MATERIAL:

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

FINISH:

CADMIUM PLATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

CODE:

MS51966 - 48

DASH NUMBER:
(TABLE II)

BASIC MS NUMBER

② 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 2
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 SHEET 1 OF 2

EXAMPLE OF PART NUMBER:

- ② MS51966-48 = SETSCREW, HEXAGON SOCKET, FLAT POINT, ALLOY STEEL, CADMIUM PLATED, .1900-32 UNF-3A, .188 LONG, PLAIN AND SELF-LOCKING.

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.
- ② /8/ INACTIVE FOR DESIGN AFTER 29 DEC 1972. FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.

② TABLE II – LENGTHS AND DASH NUMBERS

NOMINAL SIZE		.0600	.0860	.1120	.1380	.1640	.1900		.2500		.3125		.3750		.5000	
L LENGTH	TOL	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING
.062	± .010	1 /8/														
.125			7 /8/	16 /8/	25 /8/	35 /8/		110 /8/								
.188			8 /8/	17 /8/	26 /8/	36 /8/	48 /8/	111		121 /8/						
.250			9 /8/	18 /8/	27 /8/	37 /8/	49 /8/	112	60 /8/	122	73 /8/	134				
.312				19 /8/	28 /8/	38 /8/	50 /8/	113	61 /8/	123	74 /8/	135	86 /8/		98 /8/	
.375					29 /8/	39 /8/	51 /8/	114	62 /8/	124	75 /8/	136	87 /8/	146	99 /8/	156
.438								115 /8/		125 /8/						
.500						40 /8/	52 /8/	116	63 /8/	126	76 /8/	137	88 /8/	147	100 /8/	157
.562								117 /8/		127 /8/						
.625							41 /8/	53 /8/	118	64 /8/	128	77 /8/	138	89 /8/	148	101 /8/
.750	± .020					42 /8/	54 /8/	119	65 /8/	129	78 /8/	139	90 /8/	149	102 /8/	159
.875									66 /8/	130	79 /8/	140	91 /8/	150	103 /8/	160
1.000								120	67 /8/	131	80 /8/	141	92 /8/	151	104 /8/	161
1.250										132		142		152		162
1.500										133		143		153		163
1.750												144		154		164
2.000												145		155		165
2.500	± .031															166
3.000																167

REVISION

2

NASM51966ts

SHEET 2



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