

FED. SUPPLY CLASS

5305

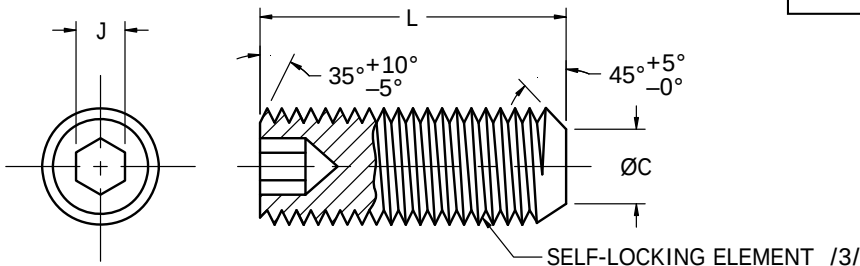


TABLE I – DIMENSIONS AND DASH NUMBERS

NOMINAL SIZE		.0860	.1120			.1380		.1640		.1900	.2500	.3125	.3750	.5000
THREADS PER INCH		56 UNC-3A	40 UNC-3A			32 UNC-3A		32 UNC-3A		24 UNC-3A	20 UNC-3A	18 UNC-3A	16 UNC-3A	13 UNC-3A
J	SOCKET WIDTH ACROSS FLATS NOM	.035	.050			.062		.078		.094	.125	.156	.188	.250
ØC	POINT MAX MIN	.047	.061			.074		.087		.102	.132	.172	.212	.291
		.039	.051			.064		.076		.088	.118	.156	.194	.270
L LENGTH	TOLERANCE	DASH NUMBERS												
		PLAIN	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	SELF-LOCKING	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN
.125	± .010	1	8	101	17	111	27	131	39	51	64	76	88	
.188		2	9	102	18	112	28	132						
.250		10	103	19	113	29	133	40						52
.312		11	104	20	114	30	134	41	53	65	77			
.375		105	21	115	31	135	42	54	66	78				
.438		106 /8/		116 /8/		136 /8/								
.500		107		117	32	137	43	55	67	79	89			
.562		108 /8/		118 /8/		138 /8/								
.625		109		119	33	139	44	56	68	80	90			
.750	± .020					120		140	45	57	69	81	91	
.875						121		141						
1.000								142		58	70	82	92	

MATERIAL:

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

FINISH:

CADMIUM PLATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS51965, REVISION B. PART NUMBERS REMAIN MS51965.

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, UNC-3A, PLAIN AND SELF-LOCKING	CLASSIFICATION PART STANDARD MS51965

CODE:

THE MS PART NUMBER CONSISTS OF THE MS NUMBER, PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER:

- (2) MS51965-1 = SETSCREW, HEXAGON SOCKET, FLAT POINT, ALLOY STEEL, CADMIUM PLATED, .0860-56 UNC-31, .125 INCH LONG, PLAIN.

NOTES:

- (1) THE THREADS SHALL BE IN ACCORDANCE WITH MIL-S-7742.
- (2) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /3/ 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.
- (4) 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.
- (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) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /8/ INACTIVE FOR NEW DESIGN AFTER 29 DEC 1972. FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.
- /9/ NO REPLACEMENT.

REVISION

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NASM51965

SHEET 2