

FED. SUPPLY CLASS
5305

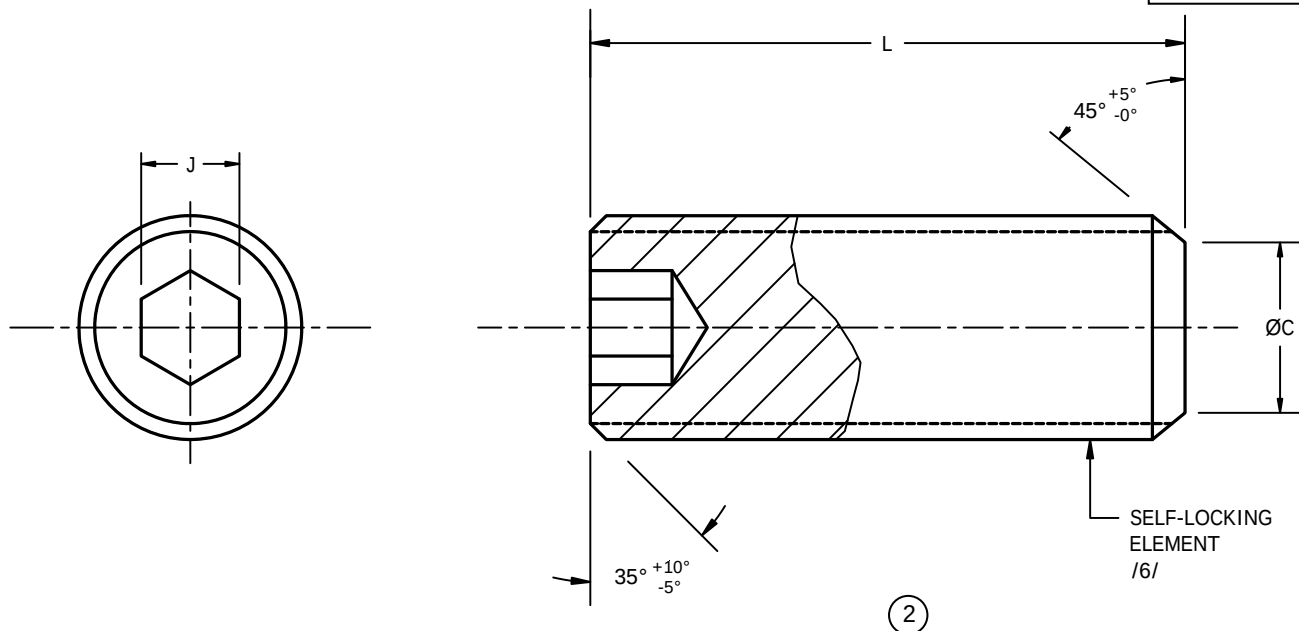


TABLE I – DIMENSIONS

Ø NOMINAL SIZE		.086	.112		.138		.164		.190	.250	.3125	.375	.500	
THREADS PER INCH (UNC-3A)		56	40		32		32		24	20	18	16	13	
J	SOCKET WIDTH ACROSS FLATS NOM	.035	.050		.062		.078		.094	.125	.156	.188	.250	
ØC	POINT DIAMETER MAX MIN	.047	.061		.074		.087		.102	.132	.172	.212	.291	
		.039	.051		.064		.076		.088	.118	.156	.194	.270	
L	LENGTH	TOLERANCE	DASH NUMBER											
			PLAIN	PLAIN	SELF LOCK	PLAIN	SELF LOCK	PLAIN	SELF LOCK	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN
	.125	±.010	1*	9*	101		111		131*					
	.188		2*	10*	102	17*	112	26*	132	35*	48*			
	.250		3*	11*	103	18*	113	27*	133	36*	49	60*		
	.312				104	19*	114	28*	134	37*	50*	61*	72*	
	.375				105	20*	115	29*	135	38*	51*	62*	73*	83*
	.438				106*		116*		136*	39*	52*	63*	74*	84*
	.500				107		117		137	40*	53*	64*	75	85*
	.562				108*		118*		138*					
	.625	±.020			109		119		139	41*	54*	65*	76*	86*
	.750						120		140	42*	55*	66*	77*	87
	.875						121		141					
	1.000								142					

* INACTIVE FOR NEW DESIGN AFTER 29 DEC 1972. FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS51029, REVISION B. PART NUMBERS REMAIN MS51029.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-S-200	TITLE SETSCREW, HEXAGON SOCKET, FLAT POINT, CORROSION RESISTING STEEL, PASSIVATED, UNC-3A, PLAIN AND SELF-LOCKING	CLASSIFICATION PART STANDARD NAS51029

MATERIAL:

CORROSION-RESISTING STEEL, 300 SERIES, IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

FINISH:

PASSIVATED IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.

CODE:

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

EXAMPLE OF PART NUMBER:

MS51029-1 = SETSCREW, HEXAGON SOCKET, CUP POINT, 300 SERIES CRES, .086-56 UNC-3A
THREAD, .125 LENGTH, PLAIN
MS51029-137 = SETSCREW, HEXAGON SOCKET, CUP POINT, 300 SERIES CRES, .190-24 UNC-3A
THREAD, .500 LENGTH, SELF-LOCKING

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) THE THREADS SHALL BE IN ACCORDANCE WITH MIL-S-7742.
- (4) MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH
H = 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A 342/A 342M,
TEST METHOD 3.
- (5) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /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 DOES NOT ESTABLISH TORQUE REQUIREMENTS FOR LENGTHS ABOVE THE
DASHED LINE. ONLY A POSITIVE INDICATION OF TORQUE IS REQUIRED.
- (7) REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF
THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS
DEPLETED.

REVISION

2

NASM51029

SHEET 2



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