

FED. SUPPLY CLASS

5305

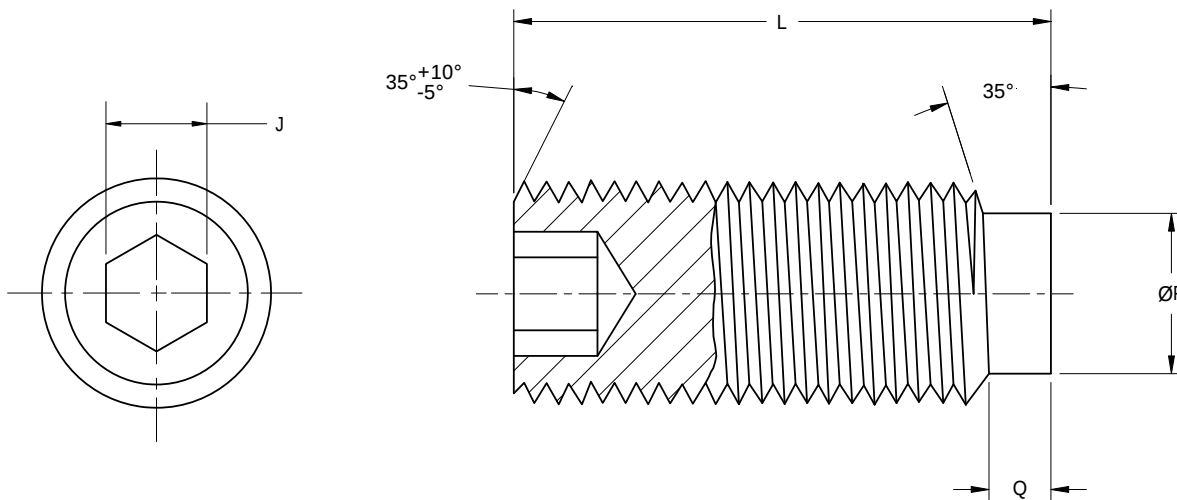


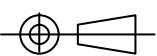
TABLE I – DIMENSIONS

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
ØP	POINT DIAMETER	MAX	.057	.075	.092	.109	.127	.156	.203	.250	.344
		MIN	.053	.070	.087	.103	.120	.149	.195	.241	.334
Q	POINT LENGTH	MAX	.024	.030	.038	.043	.049	.067	.082	.099	.130
		MIN	.020	.026	.032	.037	.041	.059	.074	.089	.120
L	LENGTH	TOLERANCE	DASH NUMBER								
.125 .188 .250 .312 .375 .500 .625		±.010	1*	9*	18*						
			2*	10*	19*	29*	39*				
			3*	11*	20*	30*	40*	49*	61*		
				12*	21*	31*	41*	50*	62*	73*	
					22*	32*	42*	51*	63*	74*	84*
.750 1.000		±.020			23*	33*	43*	52*	64*	75*	85*
								53*	65*	76*	86*
								54*	66*	77*	87*
								55*	67*	78*	88*

* INDICATES MANUFACTURER'S NON-STOCK PRODUCTION ITEMS.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS51045, REVISION B. PART NUMBERS REMAIN MS51045.

THIRD
ANGLE
PROJECTION



CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

2

PROCUREMENT
SPECIFICATION

FF-S-200

TITLE

② **SETSCREW, HEXAGON SOCKET, HALF-DOG POINT,
CORROSION RESISTANT STEEL, PASSIVATED,
UNC-3A**

CLASSIFICATION
PART STANDARD

MS51045

SHEET 1 OF 2



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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.

EXAMPLES OF PART NUMBER:

MS51045-1 = SETSCREW, HEXAGON SOCKET, HALF-DOG POINT, 300 SERIES CRES,
.086-56 UNC-3A THREAD, .125 LENGTH
MS51045-87 = SETSCREW, HEXAGON SOCKET, HALF-DOG POINT, 300 SERIES CRES,
.500-13 UNC-3A THREAD, .750 LENGTH

NOTES:

- (1) DIMENSIONS 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 A342/A342M,
TEST METHOD 3.
- (5) DIMENSIONS IN INCHES.
- (6) TOLERANCES UNLESS OTHERWISE SPECIFIED: ANGLES $\pm 5^\circ$.
- (7) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1994.
- (2) (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) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (10) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF
THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS
DEPLETED.

INTERCHANGEABILITY:

SCREWS COVERED BY THE DASH NUMBERS GIVEN IN MS51046 ARE CANCELLED AFTER 6 MARCH 1964
AND SUPERSEDED BY THE SCREWS COVERED ON MS51045 HAVING THE SAME DASH NUMBERS.
CANCELLED SCREWS MAY BE USED UNTIL EXISTING STOCKS ARE DEPLETED. USE ONLY MS51045
SCREWS FOR NEW DESIGN.

REVISION

2

NAS 51045

SHEET 2



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