

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense, selection for all new engineering and design applications and for repetitive use shall be made from this document.

FED. SUP. CLASS 5305	
NOMINAL SIZE	.086 .112 .138 .164 .190 .250 .3125 .375 .500
THREADS PER INCH (UNF-3A)	64 48 40 36 32 28 24 24 20
J SOCKET WIDTH ACROSS FLATS	NOM .035 .050 .062 .078 .094 .125 .156 .188 .250
P 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	TOL DASH NUMBER
.188 .250 .312 .375 .500 .625 .750	±.010 1 8 15 24 34 2 9 16 25 35 44 53 62 63 71 17 26 36 45 54 55 64 72 18 27 37 46 56 65 73 28 38 47 56 65 73
<p>NOTES:</p> <ol style="list-style-type: none"> <li><u>MATERIAL</u>: Corrosion-Resisting Steel, 300 Series, in accordance with procurement specification.</li> <li><u>PROTECTIVE COATING</u>: Passivated in accordance with QQ-P-35.</li> <li><u>THREADS</u>: The threads shall be in accordance with MIL-S-7742.</li> <li><u>MAGNETIC PERMEABILITY</u>: These setscrews have a magnetic permeability of 2.0 max (air = 1.0) for a field strength of H = 200 oersteds, when using a magnetic indicator per MIL-I-17214.</li> <li><u>DIMENSIONS</u>: All dimensions are in inches, unless otherwise specified.</li> <li><u>PART NUMBER</u>: The MS part number consists of the MS number, plus the dash number. Example: MS51047-1.</li> <li>Referenced documents shall be of the issue in effect on date of invitations for bid.</li> <li>For design feature purposes, this standard takes precedence over procurement documents referenced herein.</li> </ol> <p style="text-align: center;">INTERCHANGEABILITY</p> <p>Screws covered by the dash numbers given in MS51048 are cancelled after 6 March 1964 and superseded by the screws covered on MS51047 having the same dash numbers. Cancelled screws may be used until existing stocks are depleted. Use only MS51047 screws for new design.</p>	
<p>ⓑ INACTIVE FOR NEW DESIGN AFTER 29 DEC 1972</p>	
P.A. WC Other Cust 82	TITLE SETSCREW - HEXAGON SOCKET, HALF-DOG POINT, CORROSION-RESISTING STEEL, PASSIVATED, UNF-3A
PROCUREMENT SPECIFICATION FF-S-200	SUPERSEDES MS51048
MILITARY STANDARD <b>MS51047</b> SHEET 1 OF 1	

APPROVED 7 MAY 1958 REVISED Ⓐ 6 MAR 1964 Ⓑ 29 DEC 1972