



REVIEWER: ASD, IS, MO, MOA, MU, NSA, WC, WEPS
USER: EL, GL, MC, MI, SHIP'S

D	NOMINAL SIZE	#0 (.060)	#2 (.086)	#4 (.12)
B	THREADS PER INCH	80UNF	64UNF	48UNF
J	WIDTH OF SOCKET ACROSS FLATS	Nom. .0280	.0350	.0500
C	DIAMETER OF POINT	Max. .033 Min. .027	.047 .039	.061 .051

L	LENGTH	Tolerance	Dash Number	Dash Number	Dash Number
	1/16	± 0.010	201*	218*	227*
	3/32		202*	219*	228*
	1/8		203*	220*	229*
	5/32		204*	221*	
	3/16		205*	222*	230*
	1/4		206*	223*	231*
	5/16			224*	232*
	3/8				

D	NOMINAL SIZE	#6 (.138)	#8 (.164)	#10 (.190)
B	THREADS PER INCH	40UNF	36UNF	32UNF
J	WIDTH OF SOCKET ACROSS FLATS	Nom. .0625	.0781	.0937
C	DIAMETER OF POINT	Max. .074 Min. .064	.087 .076	.102 .088

L	LENGTH	Tolerance	Dash Number	Dash Number	Dash Number
	1/8	± 0.010	235*	243*	251*
	5/32		236*	244*	252*
	3/16		237*	245*	
	1/4		238*	246*	
	5/16		239*	247*	253*
	3/8		240*	248*	254*

* Indicates manufacturer's non-stock production items.

NOTE: For material, protective coating and other pertinent data, see sheet 2.

Ⓐ ENTIRE STANDARD REVISED

P.A. WC Other Cust SHIPS ASD	TITLE SETSCREW-HEXAGON SOCKET, FLAT POINT, BRASS, BLACK OXIDE, UNF-3A	MILITARY STANDARD MS51033
PROCUREMENT SPECIFICATION FP-S-200	SUPERSEDES: MS51058 and in part BCUX1, BCUX3 and BUX4.5	SHEET 1 OF 2

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

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MATERIAL: Brass, Specification QQ-B-626 or QQ-W-321.

PROTECTIVE COATING: Black Oxide in accordance with Specification MIL-P-495.

THREADS: The threads shall be in accordance with Federal Specification MIL-S-7742.

DIMENSIONS: All dimensions are in inches.

PART NUMBER: The MS part number consists of the MS number, plus the dash number. Example: MS51033-201.

NOTES: (1) For design feature purposes, this standard takes precedence over procurement documents referenced herein.

(2) Referenced documents shall be of the issue in effect on date of invitations for bid.

INTERCHANGEABILITY TABLE

Effective 31 December 1960, MS51058 was cancelled and superseded by MS51033.

The screws covered by dash numbers given in original issue of this standard are cancelled after the approval date on this document. Use the dash numbers given in the preceding sheet of this revision. The cancelled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for design and replacement. Replacement shall be in accordance with this table.

PART NUMBERS		PART NUMBERS		PART NUMBERS	
CANCELLED	NEW	CANCELLED	NEW	CANCELLED	NEW
MS51033-1	MS51033-201	MS51033-19	MS51033-219	MS51033-37	MS51033-237
-2	-202	-20	-220	-38	-238
-3	-203	-21	-221	-39	-239
-4	-204	-22	-222	-40	-240
-5	-205	-23	-223	-43	-243
-6	-206	-24	-224	-44	-244
-9	No Replacement	-27	-227	-45	-245
-10	No Replacement	-28	-228	-46	-246
-11	No Replacement	-29	-229	-47	-247
-12	No Replacement	-30	-230	-48	-248
-13	No Replacement	-31	-231	-51	-251
-14	No Replacement	-32	-232	-52	-252
-15	No Replacement	-35	-235	-53	-253
-18	MS51033-218	-36	-236	-54	-254

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P.A.	WC	TITLE	MILITARY STANDARD
Other Cust	SHIPS ASD	SETSCREW—HEXAGON SOCKET, FLAT POINT, BRASS, BLACK OXIDE, UNF-3A	MS51033
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APPROVED 7 MAY 58 REVISED (A) FOR CHANGES SEE SHEET 1