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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.

		FED. SUP CLASS 5305							
D	NOMINAL SIZE	#0 (.060)	#2 (.086)	#4 (.112)	#6 (.138)	#8 (.164)	#10 (.190)	1/4	
B	THREADS PER INCH	80NF-3A	64NF-3A	48NF-3A	40NF-3A	36NF-3A	32NF-3A	28UNF-3A	
J	WIDTH OF SOCKET ACROSS FLAT	Max. .0285 Min. .028	.0355 .035	.051 .050	.0635 .0625	.0791 .0781	.0947 .0937	.127 .125	
C	DIAMETER OF POINT	Max. .033 Min. .027	.047 .039	.061 .051	.074 .064	.087 .076	.102 .088	.132 .118	
T	KEY ENGAGEMENT	Min. .022	.028	.040	.050	.062	.075	.100	
L	LENGTH	Tolerance	Dash No.	Dash No.	Dash No.	Dash No.	Dash No.	Dash No.	
1/16			1*						
1/8				7*	16*	25*	35*		
3/16		± 1-1/2% of L with a minimum of ± .010 in.		8*	17*	26*	36*	48	
1/4				9*	18*	27*	37*	49	
5/16					19*	28*	38*	60	
3/8						29*	39*	62	
1/2							40*	63*	
5/8							41*	64*	
3/4							42*	65*	
7/8								66*	
1								67*	
D	NOMINAL SIZE	5/16	3/8	1/2	<p>(A) CANCELLED AFTER 29 January 1964. Use MS51966. INTERCHANGEABILITY RELATIONSHIP - MS51966 can replace the cancelled screws of the same size. The cancelled MS51026 cannot always replace MS51966 and should be used until existing stock is depleted. Then use only the superseding MS screws of the same size for design and replacement.</p>				
B	THREADS PER INCH	24UNF-3A	24UNF-3A	20UNF-3A					
J	WIDTH OF SOCKET ACROSS FLAT	Max. .1582 Min. .1562	.1895 .1875	.2520 .2500					
C	DIAMETER OF POINT	Max. .172 Min. .156	.212 .194	.291 .270					
T	KEY ENGAGEMENT	Min. .125	.150	.200					
L	LENGTH	Tolerance	Dash No.	Dash No.					Dash No.
1/4			73*						
5/16		± 1-1/2% of L with a minimum of ± .010 in.	74	86*					98*
3/8			75	87					99*
1/2			76*	88					100
5/8			77*	89*	101*				
3/4			78*	90*	102*				
7/8			79*	91*	103*				
1			80*	92*	104*				
<p>* Indicates manufacturer's non-stock production items.</p> <p><b>KEY ENGAGEMENT:</b> These dimensions apply to screws one diameter in length or longer. For screws shorter than one diameter in length, socket to be as deep as practicable.</p> <p><b>MATERIAL:</b> Steel, high-grade alloy, in accordance with Procurement Specification.</p> <p><b>HARDNESS:</b> Setscrews shall be hardened by heat treatment to a hardness of Rockwell C45 to 53.</p> <p><b>PROTECTIVE COATING:</b> Cadmium plated, in accordance with Specification QQ-P-416, Type II, Class 3; Zinc Plated, in accordance with Specification QQ-Z-325, Type II, Class 3.</p> <p><b>THREADS:</b> The threads shall be in accordance with Screw-Thread Standards for Federal Services Handbook H-28.</p> <p><b>DIMENSIONS:</b> All dimensions are in inches unless otherwise specified.</p> <p><b>PART NUMBER:</b> The MS part number consists of the MS number, plus the dash number. Example: MS51026-1.</p> <p><b>NOTES:</b> (1) Referenced documents shall be of the issue in effect on date of invitations for bid. (2) This standard takes precedence over documents referenced herein.</p> <p><b>(A) CANCELLED</b> <b>SEE NOTE</b></p> <p>This document has been promulgated by the Department of Defense as the Military Standard to limit the selection of the item, product, or design covered herein in engineering, design, and procurement. This standard shall become effective not later than 90 days after the latest date of approval shown.</p>									
P.A.	WC	TITLE			<b>MILITARY STANDARD</b>  <b>MS51026</b>				
Other Cust	SHIPS ASD	<b>SETSCREW, HEXAGON SOCKET, FLAT POINT, ALLOY STEEL, CADMIUM OR ZINC, NF-3A AND UNF-3A</b>							
PROCUREMENT SPECIFICATION FF-S-103		SUPERSEDES:			SHEET OF 1 1				