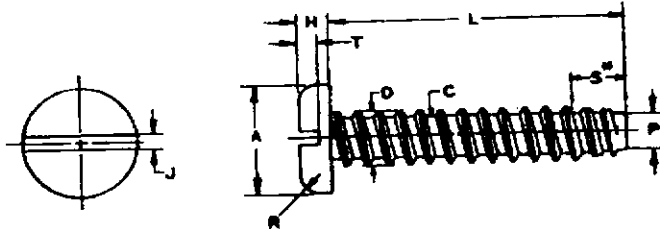


GEORGE

FED. SUP CLASS
5305



NOMINAL SIZE		2(.086)	4(.112)	6(.138)	8(.164)	10(.190)	1/4
THREADS PER INCH		32	24	20	18	16	14
MAJOR DIAMETER	D	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
MINOR DIAMETER	C	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
HEAD DIAMETER	A	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
HEAD HEIGHT	H	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
SLOT WIDTH	J	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
SLOT DEPTH	T	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
POINT DIAMETER	P	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN	MAX MIN
RADIUS	R	NOM					
LENGTH	L	TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
1/8			1				
3/16			2	10			
1/4		+0	3	11			
5/16		-1/32	4	12	21	34	46
3/8			5	13	22	35	47
1/2				14	23	36	48
5/8					24	37	50
3/4					25	38	51
7/8		+0			26	39	52
1-1/4		-3/64			27	40	53
1-1/2					28	41	54
1-3/4		+0			29	42	55
2		-1/16			30	43	56

MATERIAL: STEEL, CASE HARDENED OR HEAT TREATED TO MEET PERFORMANCE REQUIREMENTS OF PROCUREMENT SPECIFICATION.
PROTECTIVE COATING: CADMIUM PLATED, SPECIFICATION QQ-P-416, TYPE II, CLASS 3.
DIMENSIONS: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
PART NUMBER: THE MS PART NUMBER CONSISTS OF THE MS NUMBER, PLUS THE DASH NUMBER. EXAMPLE: MS24641-1.
SHORT LENGTHS: LENGTHS ABOVE DOTTED LINE HAVE TAPER LENGTH (S) OF 1-1/2 TO 2 TIMES THE PITCH OF THE THREAD.
THREADS: THREAD TYPES TO BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF PROCUREMENT SPECIFICATION.
TAPERS: (TAPER LENGTH) = 2 TO 2-1/2 TIMES THE PITCH OF THE THREAD. GRIP LENGTH = LENGTH (L) MINUS THE TAPER LENGTH (S).
HOLE SIZES: FOR APPROXIMATE HOLE SIZES SEE MS24632.
NOTES: (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.

(A) CANCELLED AFTER 15 August 1963 use MS-24621
 INTERCHANGABILITY RELATIONSHIP - MS 24621 screws can replace the cancelled screws of the same size.
 The cancelled MS 24641 cannot always replace MS 24621 and should be used until existing stock is depleted. Use only the superseding MS screws of the same size for design and replacement.

(A) CANCELLED

This activity is approved by the Department of Defense and is mandatory on all activities. Solicitation for alternative manufacturing and design applications will be reported and shall be made from this document.

P.A CE Other Code SHIPS MOA	TITLE SCREW, TAPPING, THREAD FORMING, TYPE B, PAN HEAD, SLOTTED, STEEL, CARBON, CADMIUM PLATED
PROCUREMENT SPECIFICATION FF-3-107	SUPERSEDES:

MILITARY STANDARD

MS 24641

SHEET 1 OF 1

APPROVED 5 OCT. 59 REVISED (A) 15 August 1963