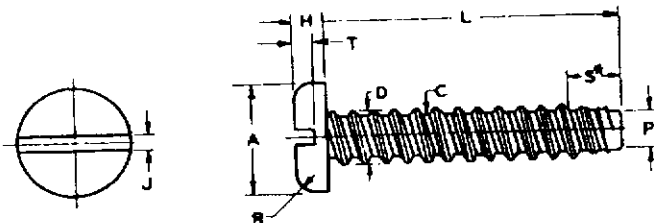


FED. SUP CLASS
5305



NOMINAL SIZE	2 (.066)		4 (.112)		6 (.138)		8 (.164)		10 (.190)		1/4	
THREADS PER INCH	32		24		20		18		16		14	
MAJOR DIAMETER D	MAX	.088	MAX	.114	MAX	.139	MAX	.166	MAX	.189	MAX	.246
	MIN	.064	MIN	.110	MIN	.135	MIN	.161	MIN	.183	MIN	.240
MINOR DIAMETER C	MAX	.064	MAX	.086	MAX	.104	MAX	.122	MAX	.141	MAX	.192
	MIN	.060	MIN	.062	MIN	.099	MIN	.116	MIN	.135	MIN	.165
HEAD DIAMETER A	MAX	.167	MAX	.219	MAX	.270	MAX	.322	MAX	.373	MAX	.492
	MIN	.155	MIN	.205	MIN	.256	MIN	.306	MIN	.357	MIN	.471
HEAD HEIGHT H	MAX	.053	MAX	.065	MAX	.062	MAX	.096	MAX	.110	MAX	.144
	MIN	.045	MIN	.058	MIN	.072	MIN	.085	MIN	.099	MIN	.130
SLOT WIDTH J	MAX	.031	MAX	.039	MAX	.048	MAX	.054	MAX	.060	MAX	.075
	MIN	.023	MIN	.031	MIN	.039	MIN	.045	MIN	.050	MIN	.064
SLOT DEPTH T	MAX	.031	MAX	.040	MAX	.050	MAX	.058	MAX	.068	MAX	.087
	MIN	.022	MIN	.030	MIN	.037	MIN	.045	MIN	.053	MIN	.070
POINT DIAMETER P	MAX	.058	MAX	.079	MAX	.095	MAX	.112	MAX	.130	MAX	.179
	MIN	.054	MIN	.074	MIN	.069	MIN	.106	MIN	.123	MIN	.171
RADIUS R	NOM	.035	NOM	.042	NOM	.046	NOM	.052	NOM	.061	NOM	.087

LENGTH L	TOLERANCE	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.						
1/8	+ 0 - 1/32	1	10	21	34	46	58	70						
3/16		2							22	35	47	59		
1/4		3	11	23	36	48	60	71						
5/16		4	12	24	37	49	61	72						
3/8	+ 0 - 3/64	5	13	25	38	50	62	73						
1/2									6	14	26	39	51	63
5/8		7		27	40	52	64	74						
3/4		8			41	53	65	75						
7/8	+ 0 - 3/64				42	54	66	76						
1-1/4									9			55	67	77
1-1/2									10				56	68
1-3/4	+ 0 - 1/16					57	69	79						
2									11					

MATERIAL: STEEL, CORROSION RESISTING, IN ACCORDANCE WITH SPECIFICATION QQ-S-763, CLASS 410 OR 420, OR SPECIFICATION QQ-W-423, COMPOSITION FS410 OR FS420 (HARDENED).

TREATMENT: PASSIVATED.

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: MS 24(1)2-1.

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.

TAPER: 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 MS 2462.

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-24622

INTERCHANGABILITY RELATIONSHIP - MS 24622 screws can replace the cancelled screws of the same size. The cancelled MS 24642 cannot always replace MS 24622 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 military standard is approved by the Department of Defense and is mandatory on all activities. Substitutes for all new engineering and design applications shall be approved by the Department of Defense. This document is for reference only and shall be made from this document.

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

P.A. CE Other Cust SHIPS MOA	TITLE SCREW, TAPPING, THREAD FORMING, TYPE B, PAN HEAD, SLOTTED, STEEL, CORROSION RESISTING	MILITARY STANDARD
		MS 24642
PROCUREMENT SPECIFICATION PT-S-107	SUPERSEDES:	SHEET 1 OF 1