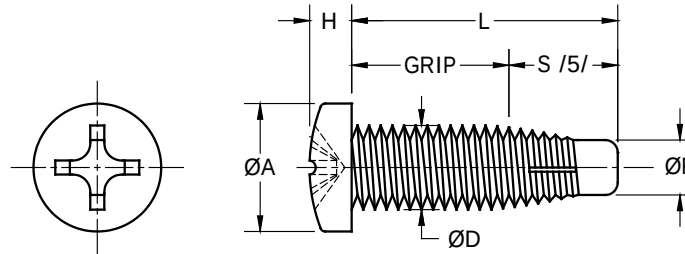
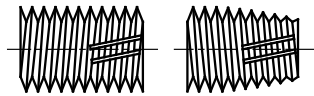


FED. SUPPLY CLASS

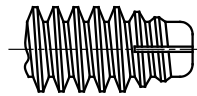
5305



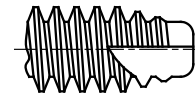
TYPE D



TYPE F



TYPE G



TYPE T

OPTIONAL THREAD TYPES

TABLE I – DIMENSIONS AND DASH NUMBERS

NOMINAL SIZE			2(Ø.0860)		4(Ø.1120)		6(Ø.1380)		8(Ø.1640)		10(Ø.1900)		1/4		10(Ø.1900)		1/4							
THREADS PER INCH			56		40		32		32		24		20		32		28							
MAJOR DIAMETER	ØD	MAX	.0860		.1120		.1380		.1640		.1900		.2500		.1900		.2500							
		MIN	.0820		.1072		.1326		.1586		.1834		.2428		.1846		.2438							
HEAD DIAMETER	ØA	MAX	.167		.219		.270		.322		.373		.492		.373		.492							
		MIN	.155		.205		.256		.306		.357		.473		.357		.473							
HEAD HEIGHT	H	MAX	.062		.080		.097		.115		.133		.175		.133		.175							
		MIN	.053		.070		.087		.105		.122		.162		.122		.162							
POINT DIAMETER	ØP	MAX	.067		.086		.106		.132		.147		.198		.158		.213							
		MIN	.061		.077		.095		.121		.133		.181		.147		.201							
L LENGTH		TOLERANCE	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN	DASH NO.	GRIP MIN						
1/8		+0 -1/32	1	.031	9	.069	20	.047	33	.110	44	.135	64	.135	73	.244	74	.369						
3/16			2	.076			21	.109											45	.156	65	.156	75	.494
1/4			3	.138			22	.141											46	.281	66	.281	76	.603
5/16			4	.201			23	.203											47	.406	67	.406	77	.728
3/8			5	.263			24	.328											48	.531	68	.531	78	.978
1/2			6	.388			25	.453											49	.641	69	.641	79	1.016
5/8			7	.513			26	.578											50	.766	70	.766	80	1.228
3/4				15			.606	27											.688	51	1.016	71	1.016	81
7/8		+0 -3/64			16	.716	39	.688	49	.641	60	.603	69	.641	76	.603								
1					17	.841	28	.813	40	.813	50	.766	61	.728	70	.766								
1 1/4							29	1.063	41	1.063	51	1.016	62	.978	71	1.016								
1 1/2							30	1.313			52	1.266	63	1.228	72	1.266								

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS24630, REVISION C. PART NUMBERS REMAIN MS24630.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-107	TITLE SCREW, TAPPING, THREAD CUTTING, TYPES D, F, G OR T, PAN HEAD, CRUCIFORM RECESSED, CRES	CLASSIFICATION PART STANDARD MS24630



NAS
NATIONAL AEROSPACE STANDARDS
SHEET 1 OF 3
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MATERIAL:

CRES, 410 OR 420 (HARDENED) (UNS S41000 OR UNS S42000) PER ~~FED-STD-66~~ AIR4127.

FINISH:

PASSIVATED.

CODE:

THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER:

MS24630-1

NOTES:

- (1) TYPE DESIGNATIONS ARE ESTABLISHED BY THE PROCUREMENT SPECIFICATION.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (4) FOR AERONAUTICAL APPLICATIONS, THESE SCREWS ARE SUBJECT TO NASM33749 LIMITATION AND INSTALLATION REQUIREMENTS.
- (5) "S" (TAPER LENGTH): 2-1/2 TO 3-1/2 TIMES THE PITCH DISTANCE FOR SCREWS HAVING A THREAD LENGTH OF 8 PITCHES OR LESS. TAPER LENGTH FOR LONGER LENGTHS WILL BE 3 1/2 TO 4 1/2 TIMES THE PITCH DISTANCE.
- (6) THREAD TYPES TO BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF PROCUREMENT SPECIFICATION.
- (7) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- (8) FOR APPROXIMATE HOLE SIZE SEE NASM24634. FOR 1/4-28 SEE ASME B18.6.4.
- (9) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.

REVISION

1

① COMPLETELY REVISED



NASM24630-1

SHEET 2

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