



NOMINAL SIZE		2(.086)	4(.112)	6(.138)	8(.164)	10(.190)	1/4(.250)	
THOUSANDS PER INCH		32	24	20	18	16	14	
A HEAD DIA	MAX	.167	.219	.270	.322	.373	.492	
	MIN	.155	.205	.256	.306	.357	.473	
H HEAD HEIGHT	MAX	.062	.080	.097	.115	.133	.175	
	MIN	.053	.070	.087	.105	.122	.162	
P POINT DIA	MAX	.058	.079	.095	.112	.130	.179	
	MIN	.054	.074	.089	.106	.123	.171	
L LENGTH	TOL.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
.125	+0 -.031	1	7	14	27	66	54	
.188		2		15				41
.250		3		16				42
.312		4		17				43
.375	+0 -.047	5	10	18	29	44	55	
.500				11	30	45	56	
.625		21	22	31	46	57		
.750				32	47	58		
.875		+0 -.062			33	48	59	
1.000					34	49	60	
1.250	35				50	61		
1.500	36				51	62		
1.750	+0 -.062			37	52	63		
2.000				38	53	64		
2.250				39		65		
2.500				40				

NOTES:

- MATERIAL:** Steel, carbon, in accordance with procurement specification.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
- THREADS:** The threads shall be in accordance with the applicable requirements of the procurement specification.
- RECESS:** The recess shall be in accordance with MS9006.
- HOLE SIZES:** For approximate hole sizes see MS24632.
- 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: MS24621-1.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, the standard takes precedence over procurement documents referenced herein.
- For aeronautical applications, these screws are subject to AND10067 limitations and installation requirements.

**CANCELLED AFTER 15 MAY 1975
SUPERSEDED BY MS51861**

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For changes see sheet 1.

P.A. WC Other Cost 82	TITLE SCREW, TAPPING-THREAD FORMING, TYPE B, PAN HEAD, CROSS-RECESSED, CARBON STEEL	MILITARY STANDARD
	PROUREMENT SPECIFICATION FF-S-107	SUPERSEDES: MS24641, AN530 in part, BCX3.3 and BCX5.3 in part

REVIEWER: AV, IS, MI, NSA, OS, RU
USER: AS, AT, GL, MC, ME, OS, SH

Department of Defense. Selection for all new engineering and design and for repetitive use shall be made from this document.

APPROVED 5 OCT 1969 REVISED A 7 JUN 1961 B 19 AUG 1960 C 27 AUG 1960 D 16 MAY 1975

INTERCHANGEABILITY TABLE

The screws covered by the following dash numbers of MS24641 and AN530 are cancelled after the dates indicated on the documents. The cancelled screws cannot always replace the superseding screws and should be used until existing stocks are depleted. Use only the superseding screws for design and engineering. Replacement shall be in accordance with this table.

DASH NUMBERS							
CANCELLED		SUPERSEDING		CANCELLED		SUPERSEDING	
MS24641	AN530	MS24621		MS24641	AN530	MS24621	
1	--	--	1	--	8-28	8R28	37
2	2-3	2R3	2	--	8-32	8R32	38
3	2-4	2R4	3	--	8-36	8R36	39
4	--	--	4	--	8-40	8R40	40
5	--	--	5	46	--	--	66
10	--	--	7	47	--	--	41
11	4-4	4R4	8	48	10-6	10R6	42
12	--	--	9	49	10-8	10R8	43
13	4-6	4R6	10	50	10-10	10R10	44
14	4-8	4R8	11	51	10-12	10R12	45
21	--	--	14	52	10-14	10R14	46
22	6-4	6R4	15	53	10-16	10R16	47
23	--	--	16	54	10-20	10R20	48
24	6-6	6R6	17	55	10-24	10R24	49
25	6-8	6R8	18	56	10-28	10R28	50
26	6-10	6R10	19	57	10-32	10R32	51
27	6-12	6R12	20	--	10-36	10R36	52
--	6-14	6R14	21	--	10-40	10R40	53
--	6-16	6R16	22	60	--	--	54
--	6-20	6R20	23	61	--	--	55
--	6-24	6R24	24	62	14-10	14R10	56
34	--	--	27	63	14-12	14R12	57
35	--	--	28	64	14-14	14R14	58
36	8-6	8R6	29	65	14-16	14R16	59
37	8-8	8R8	30	66	14-20	14R20	60
38	8-10	8R10	31	67	14-24	14R24	61
39	8-12	8R12	32	68	14-28	14R28	62
40	8-14	8R14	33	69	14-32	14R32	63
41	8-16	8R16	34	--	14-36	14R36	64
42	8-20	8R20	35	--	14-40	14R40	65
--	8-24	8R24	36				

Ⓞ CANCELLED SEE SHEET I

APPROVED 5 OCT 1959 REVISED (A) 7 JUN 1961 (B) 15 AUG 1963 (C) 27 AUG 1965 FOR CHANGES SEE SHEET I

52	TITLE	MILITARY STANDARD
	SCREW, TAPPING-THREAD FORMING, TYPE B, PAN HEAD, CROSS-RECESSED, CARBON STEEL	MS24621
PROCUREMENT SPECIFICATION SF-S-107	SUPERSEDES: MS24641, AN530 in part, BCX33.3 and BCX5.3 in part	SHEET 2 OF