

FED. SUP CLASS
5305

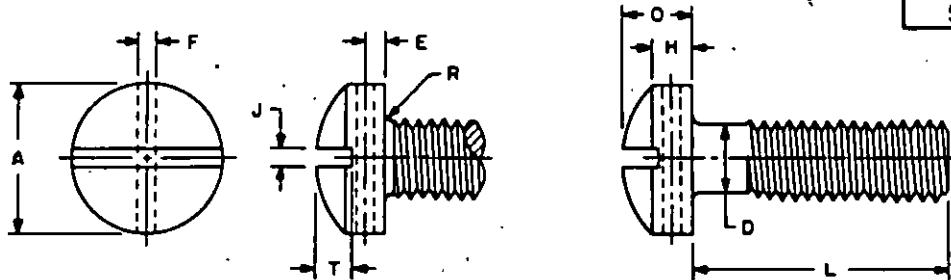


TABLE I

NOMINAL SIZE		.086	.112	.138	.164	.190	.250	.3125	.375
THREADS PER INCH, UNF-2A		64	48	40	36	32	28	24	24
D BODY DIAMETER	MAX MIN	.0860 .0733	.1120 .0954	.1380 .1184	.1640 .1424	.1900 .1658	.2500 .2225	.3125 .2806	.3750 .3430
A HEAD DIAMETER	MAX MIN	.140 .124	.183 .166	.226 .208	.270 .250	.313 .292	.414 .389	.518 .490	.622 .590
H HEAD SIDE HEIGHT	MAX MIN	.062 .055	.079 .072	.096 .089	.113 .106	.130 .123	.170 .161	.211 .201	.253 .242
O TOTAL HEAD HEIGHT	MAX MIN	.083 .070	.107 .094	.132 .118	.156 .141	.180 .165	.237 .219	.295 .276	.355 .333
J SLOT WIDTH	MAX MIN	.031 .023	.039 .031	.048 .039	.054 .045	.060 .050	.075 .064	.084 .072	.094 .081
T SLOT DEPTH	MAX MIN	.030 .022	.038 .030	.045 .035	.065 .054	.075 .064	.102 .087	.130 .110	.154 .134
E DRILL LOCATION	WOM	.026	.035	.043	.043	.043	.062	.078	.094
F DRILLED HOLE DIA	WOM	.031	.037	.046	.046	.046	.062	.070	.070
R RADIUS	MAX	.013	.017	.021	.025	.028	.038	.047	.056
TENSILE STRENGTH, LBS-MIN (C)		230	390	600	880	1,200	2,180	3,480	5,250
L LENGTH	TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
.12	+.00 -.03	1	11	24	39	58	76	92	107
.19		2	12	25	40				
.25		3	13	26	41				
.31		4	14	27	42				
.38	+.00 -.06	5	15	28	43	61	77	93	108
.44		6	16	29	44	62	78	94	
.50		7	17	30	45	63	79	95	
.62		8	18	31	46	64	80	96	
.75	+.00 -.09	9	19	32	47	65	81	97	110
.88		10	20	33	48	66	82	98	
1.00			21	34	49	67	83	99	
1.25				22	35	50	68	84	100
1.50	+.00 -.09		23	36	51	69	85	101	111
1.75				37	52	70	86	102	
2.00				38	53	71	87	103	
2.25					54	72	88	104	
2.50	+.00 -.09			55	73	89	105	112	
2.75				56	74	90	106		
3.00				57	75	91	107		

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

REVISOR: AV, EL, IS
USER: AS, AT, MC, ME, MU, OS, SH, W, YD

APPROVED 9 FEB 1954 REVISED (A) 15 JUN 1962 (B) 12 NOV 1964 (C) 6 MAR 1974

(C) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. VC Other Case 82	TITLE SCREW, MACHINE-DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, UNF-2A	MILITARY STANDARD MS35266
PROCUREMENT SPECIFICATION FF-5-92	SUPERSEDES: See note 10	SHEET 1 OF 3

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- NOTES:
- 1. **MATERIAL:** Carbon steel in accordance with Fed. Std. No. 66. The minimum ultimate tensile strength shall be 60,000 PSI.
 - 2. **PROTECTIVE COATING:** Cadmium plated in accordance with QQ-P-416, Type II, Class 3.
 - 3. **THREADS:** The threads shall be in accordance with Screw-Thread Standards For Federal Services, Handbook H28.
 - 4. **DIMENSIONS:** All dimensions in Table I are in inches.
All dimensions in Table II are in millimetres.
 - 5. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
Example: MS35266-1.
 - 6. **THREAD LENGTH:** Full form threads shall extend to within 2 threads or less of head bearing surface for lengths thru 2.00 inches/50.80 millimetres. Longer lengths shall have a minimum full form thread length of 1.50 inches/38.10 millimetres.
 - 7. The drilled hole shall be approximately at a right angle to the slot and may be permitted to break through the bottom of the slot. All burrs and sharp edges shall be removed.
 - 8. Referenced documents shall be of the issue in effect on date of invitations for bid.
 - 9. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
 - 10. MS35264, MS35268, MS35270, BCC1.2, BCC1.3, BCC1.5, BCC1.9, BCC2 and in part ANSOL, MS35361, MS35366, BCFX5, BCFX7 and BCMZ2.

REVIEWER: AV, EL, IS
USE: AS, AT, MC, ME, MU, OS, SH, VV, YD

TABLE II
METRIC TRANSLATION OF TABLE I

NOMINAL SIZE		2.18	2.44	3.51	4.17	4.83	6.35	7.94	9.52
THREAD PITCH		.40	.53	.64	.71	.79	.91	1.06	1.06
D BODY DIAMETER	MAX	2.18	2.44	3.51	4.17	4.83	6.35	7.94	9.52
	MIN	1.86	2.42	3.01	3.62	4.21	5.63	7.13	8.71
A HEAD DIAMETER	MAX	3.56	4.65	5.74	6.86	7.95	10.52	13.16	15.80
	MIN	3.15	4.22	5.28	6.35	7.42	9.88	12.45	14.99
H HEAD SIDE HEIGHT	MAX	1.57	2.01	2.44	2.87	3.30	4.32	5.36	6.43
	MIN	1.40	1.83	2.26	2.69	3.12	4.09	5.11	6.15
O TOTAL HEAD HEIGHT	MAX	2.11	2.72	3.35	3.96	4.57	6.02	7.49	9.02
	MIN	1.78	2.39	3.00	3.58	4.19	5.56	7.01	8.46
J SLOT WIDTH	MAX	.79	.99	1.22	1.37	1.52	1.90	2.13	2.39
	MIN	.58	.79	.99	1.14	1.27	1.63	1.83	2.06
T SLOT DEPTH	MAX	.76	.97	1.14	1.65	1.90	2.59	3.30	3.91
	MIN	.56	.76	.99	1.37	1.63	2.21	2.79	3.40
E DRILL LOCATION	NOM	.66	.89	1.09	1.09	1.09	1.57	1.98	2.39
F DRILLED HOLE DIA	NOM	.79	.94	1.17	1.17	1.17	1.57	1.78	1.78
R RADIUS	MAX	.33	.43	.43	.64	.71	.97	1.19	1.42
L LENGTH	TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
		1	11	24	39	58			
3.05	+.00 -.76	2	12	25	40	58			
4.53		3	13	26	41	59			
6.35		4	14	27	42	60	76		
7.87		5	15	28	43	61	77	92	
9.65	+.00 -1.52	6	16	29	44	62	78	93	
11.14		7	17	30	45	63	79	94	107
12.70		8	18	31	46	64	80	95	108
15.75		9	19	32	47	65	81	96	109
19.05		10	20	33	48	66	82	97	110
22.35			21	34	49	67	83	98	111
25.40	+.00 -2.29		22	35	50	68	84	99	112
31.75			23	36	51	69	85	100	113
38.10				37	52	70	86	101	114
44.45				38	53	71	87	102	115
50.80	+.00 -2.29								
57.15					54	72	88	103	116
63.50					55	73	89	104	117
69.85					56	74	90	105	118
76.20					57	75	91	106	119

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APPROVED 9 FEB 1954 REVISED 15 JUN 1962 (B) 12 NOV 1984 (C) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. VC	TITLE	MILITARY STANDARD
Other Cost 82	SCREW, MACHINE-DRILLED FULLISTER HEAD, SLOTTED, CARBON STEEL, UNF-2A	MS35266
PROCUREMENT SPECIFICATION FF-S-92	REFERENCES: See note 10	SHEET 2 OF 3

INTERCHANGEABILITY

Screws covered by dash numbers given in MS35264, MS35268, MS35270 and in part AN501 are canceled after 12 November 1964. The canceled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for new design and replacement. Replacement shall be in accordance with Table III.

TABLE III

PART NUMBER		PART NUMBER			PART NUMBER		
CANCELED	SUPERSEDED BY	CANCELED		SUPERSEDED BY	CANCELED		SUPERSEDED BY
MS35264 MS35268 MS35270	MS35266	MS35264 MS35268 MS35270	AN501	MS35266	MS35264 MS35268 MS35270	AN501	MS35266
1	1	44		44			
2	2	45		45			
3	3	46		46			
4	4	47		47			
5	5	48		48			
6	6	49		49			
7	7	50		50			
8	8	51		51			
9	9	52		52			
10	10	53		53			
11	11	54		54			
12	12	55		55			
13	13	56		56			
14	14	57		57			
15	15	58		58			
16	16	59	A10-4	59			
17	17	60	A10-5	60			
18	18	61	A10-6	61			
19	19	62	A10-7	62			
20	20	63	A10-8	63			
21	21	64	A10-10	64			
22	22	65	A10-12	65			
23	23	66	A10-14	66			
24	24	67	A10-16	67			
25	25		A10-18	NR			
26	26	68	A10-20	68			
27	27		A10-22	NR			
28	28	69	A10-24	69			
29	29	70	A10-28	70			
30	30	71	A10-32	71			
31	31	72		72			
32	32	73	A10-40	73			
33	33	74		74			
34	34	75	A10-48	75			
35	35	76	A416-5	76			
36	36	77	A416-6	77			
37	37	78	A416-7	78			
38	38	79	A416-8	79			
39	39	80	A416-10	80			
40	40	81	A416-12	81			
41	41	82	A416-14	82			
42	42	83	A416-16	83			
43	43						
					84	A416-18	NR
						A416-20	84
						A416-22	NR
					85	A416-24	85
					86	A416-28	86
					87	A416-32	87
					88		88
					89	A416-40	89
					90		90
					91	A416-48	91
					92		92
					93		93
					94	A516-8	94
					95	A516-10	95
					96	A516-12	96
					97	A516-14	97
					98	A516-16	98
						A516-18	NR
					99	A516-20	99
						A516-22	NR
					100	A516-24	100
					101	A516-28	101
					102	A516-32	102
					103		103
					104	A516-40	104
					105		105
					106	A516-48	106
					107	A616-8	107
					108	A616-10	108
					109	A616-12	109
					110	A616-14	110
					111	A616-16	111
						A616-18	NR
					112	A616-20	112
						A616-22	NR
					113	A616-24	113
					114	A616-28	114
					115	A616-32	115
					116		116
					117	A616-40	117
					118		118
					119	A616-48	119

NR = No Replacement

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APPROVED 9 FEB 1954 REVISED (A) 15 JUN 1962 (B) 12 NOV 1964 (C) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. VC Other Code 92	TITLE SCREW, MACHINE-DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, UNF-2A	MILITARY STANDARD MS 35266
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: See Note 10	SHEET 3 OF 3

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DOCUMENT IDENTIFIER AND TITLE MS35266 Rev C, Screw, Machine-Drilled Fillister Head, Slotted, Carbon Steel, UNF-2A

NAME OF ORGANIZATION AND ADDRESS

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT SUBCONTRACT

1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID

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YES NO (If "Yes", in what way?)

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