

REVIEWER: AV, EL, IS
 USER: AS, AT, MC, ME, MU, OS, SH, WV, YD

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.

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	NOM	.026	.035	.043	.043	.043	.062	.078	.094
F	DRILLED HOLE DIA	NOM	.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.	DASH NO.
.13	+.00 -.03	1	11	24	39					
.19		2	12	25	40					
.25		3	13	26	41	58				
.31		4	14	27	42	59	76			
.38		5	15	28	43	61	77	92		
.44		6	16	29	44	62	78	93		
.50		7	17	30	45	63	79	94	107	
.62		8	18	31	46	64	80	95	108	
.75		9	19	32	47	65	81	96	109	
.88		10	20	33	48	66	82	97	110	
1.00			21	34	49	67	83	98	111	
1.25			22	35	50	68	84	99	112	
1.50	+.00 -.06		23	36	51	69	85	100	113	
1.75				37	52	70	86	101	114	
2.00	+.00 -.09			38	53	71	87	102	115	
2.25				54	72	88	103	116		
2.50				55	73	89	104	117		
2.75				56	74	90	105	118		
3.00				57	75	91	106	119		

(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

REVIEWED: AV, EL, IS
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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. 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, BCCX1.2, BCCX1.3, BCCX1.5, BCCX1.9, BCCX2 and in part AN501, MS35361, MS35366, BCFX3, BCFX7 and BCMX2.									
FED. SUP CLASS 5305									
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.
3.05	+.00 -.76	1	11	24	39				
4.83		2	12	25	40	58			
6.35		3	13	26	41	59			
7.87		4	14	27	42	60	76		
9.65	+.00 -.76	5	15	28	43	61	77	92	
11.18		6	16	29	44	62	78	93	
12.70		7	17	30	45	63	79	94	107
15.75		8	18	31	46	64	80	95	108
19.05	+.00 -1.52	9	19	32	47	65	81	96	109
22.35		10	20	33	48	66	82	97	110
			21	34	49	67	83	98	111
25.40									
31.75	+.00 -1.52		22	35	50	68	84	99	112
38.10			23	36	51	69	85	100	113
44.45				37	52	70	86	101	114
50.80				38	53	71	87	102	115
57.15	+.00 -2.29				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
P.A. VC Other Cont 82		TITLE SCREW, MACHINE-DRILLED FILLISTER HEAD, SLOTTED, CARBON STEEL, UNF-2A					MILITARY STANDARD MS35266		
PROCUREMENT SPECIFICATION FF-S-92		SUPERSEDES: See note 10					SHEET 2 OF 3		

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

FED. SUP CLASS
5305

INTERCHANGEABILITY

Screws covered by dash numbers given in MSJ5264, MSJ5268, MSJ5270 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
MSJ5264 MSJ5268 MSJ5270	MSJ5266	MSJ5264 MSJ5268 MSJ5270	AN501	MSJ5266	MSJ5264 MSJ5268 MSJ5270	AN501 MSJ5266
1	1	44		44	84	A416-18
2	2	45		45		A416-20
3	3	46		46		A416-22
4	4	47		47	85	A416-24
5	5	48		48	86	A416-28
6	6	49		49	87	A416-32
7	7	50		50	88	
8	8	51		51	89	A416-40
9	9	52		52	90	
10	10	53		53	91	A416-48
11	11	54		54	92	
12	12	55		55	93	
13	13	56		56	94	A516-8
14	14	57		57	95	A516-10
15	15	58		58	96	A516-12
16	16	59	A10-4	59	97	A516-14
17	17	60	A10-5	60	98	A516-16
18	18	61	A10-6	61		A516-18
19	19	62	A10-7	62	99	A516-20
20	20	63	A10-8	63		A516-22
21	21	64	A10-10	64	100	A516-24
22	22	65	A10-12	65	101	A516-28
23	23	66	A10-14	66	102	A516-32
24	24	67	A10-16	67	103	
25	25		A10-18	NR	104	A516-40
26	26	68	A10-20	68	105	
27	27		A10-22	NR	106	A516-48
28	28	69	A10-24	69	107	A616-8
29	29	70	A10-28	70	108	A616-10
30	30	71	A10-32	71	109	A616-12
31	31	72		72	110	A616-14
32	32	73	A10-40	73	111	A616-16
33	33	74		74		A616-18
34	34	75	A10-48	75	112	A616-20
35	35	76	A416-5	76		A616-22
36	36	77	A416-6	77	113	A616-24
37	37	78	A416-7	78	114	A616-28
38	38	79	A416-8	79	115	A616-32
39	39	80	A416-10	80	116	
40	40	81	A416-12	81	117	A616-40
41	41	82	A416-14	82	118	
42	42	83	A416-16	83	119	A616-48
43	43					

NR - No Replacement

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PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: See Note 10	SHEET 3 OF 3

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

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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 	
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