

REVIEW: ME, EA, IS, AV, ML, AT
USC: PA, OL, MI, YO, PM, WV, MC

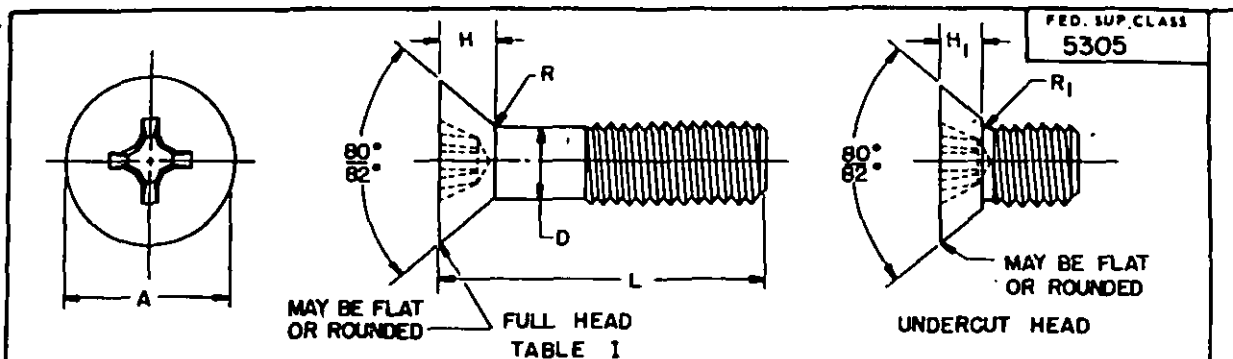


TABLE I

NOMINAL SIZE	(#0)	(#2)	(#4)	(#6)	(#8)	(#10)	(1/4)	(5/16)	(3/8)
THREADS PER INCH, UNF-2A	80	64	48	40	36	32	28	24	24
D BODY DIAMETER									
MAX	.0600	.0860	.1120	.1380	.1640	.1900	.2500	.3125	.3750
MIN	.0496	.0733	.0954	.1184	.1424	.1658	.2225	.2806	.3430
A HEAD DIAMETER									
MAX SHARP	.119	.172	.225	.279	.332	.385	.507	.635	.762
MIN SHARP	.105	.156	.207	.257	.308	.359	.477	.600	.722
ABS MIN	.099	.147	.195	.244	.292	.340	.452	.568	.685
H HEAD HEIGHT	REF	.035	.051	.067	.083	.100	.116	.153	.230
H1 HEAD HEIGHT UNDERCUT									
MAX	.025	.036	.047	.059	.070	.081	.107	.134	.161
MIN	.018	.028	.038	.048	.058	.068	.092	.116	.140
R RADIUS	MAX	.024	.034	.045	.055	.066	.076	.100	.150
R1 RADIUS-UNDERCUT	MAX	.009	.013	.017	.021	.025	.029	.038	.056
DRIVER SIZE	0	1	1	2	2	2	3	4	4
TENSILE STRENGTH (LBS) MIN	110	240	410	630	910	1240	2250	3600	5440
L LENGTH	TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
.125		109	1	10	21	36			
.188		110	2	11	22	37			
.250		111	3	12	23	38	51		
.312		112	4	13	24	39	52	66	
.375		113	5	14	25	40	53	67	80
.438	+0		6	15	26	41	54	68	81
.500	-.031		7	16	27	42	55	69	82
.625			8	17	28	43	56	70	83
.750			9	18	29	44	57	71	84
.875				19	30	45	58	72	85
1.000				20	31	46	59	73	86
1.250					32	47	60	74	87
1.500	+0				33	48	61	75	88
1.750	-.062				34	49	62	76	89
2.000					35	50	63	77	90
2.250							64	78	91
2.500	+0						65	79	92
2.750	-.094								103
3.000									104
									105

NOTES:

- MATERIAL:** Aluminum Alloy (2024-T4), in accordance with QQ-A-225/6 having minimum ultimate tensile strength of 62,000 PSI.
- PROTECTIVE COATING:** Anodic Coating in accordance with MIL-A-8625, type 1 or 2, class 1.
- THREADS:** The threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H-28.
- THREAD LENGTH:** Screws 2.00 inches long and shorter shall have complete threads extending to within two threads of the head, or closer if applicable. Longer screws shall have a minimum thread length of 1.50 inches.
- RECESS:** The recess shall be in accordance with MS9006.
- DIMENSIONS:** All dimensions are in inches unless otherwise specified.
- UNDERCUT HEADS:** Screws above dotted lines shall have undercut heads.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash numbers.
Example: MS35203-1.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.

ENTIRE STANDARD REVISED

P.A. VC Other Cust 82	TITLE SCREW, MACHINE-FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, ALUMINUM ALLOY, ANODIC COATED, UNF-2A	MILITARY STANDARD MS35203
PROCUREMENT SPECIFICATION PF-S-92	SUPERSEDES: MS35262, MS35358 in part, MS35363 in part and AN510 in part.	SHEET 1 OF 4

FED. SUP CLASS
5305

TABLE 11

The screws covered by the dash numbers given in MS35262 and AN510 in part are cancelled/inactivated after 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 replacement. Replacement shall be in accordance with this table.

CROSS REFERENCE OF PART NUMBERS

CANCELLED			SUPERSEDED BY		CANCELLED			SUPERSEDED BY	
MS35262			AN510		MS35203			MS35203	
Dash Number			Dash Number		Dash Number			Dash Number	
1	DD4R2	DD4-2	109		DD5R4	DD5-4	No Replacement		
2	DD4R3	DD4-3	110		DD5R5	DD5-5	No Replacement		
3	DD4R4	DD4-4	111		DD5R6	DD5-6	No Replacement		
4	DD4R5	DD4-5	112		DD5R7	DD5-7	No Replacement		
5	DD4R6	DD4-6	113		DD5R8	DD5-8	No Replacement		
	DD4R7	DD4-7	No Replacement		DD5R9	DD5-9	No Replacement		
	DD4R8	DD4-8	No Replacement		DD5R10	DD5-10	No Replacement		
6	DD1R2	DD1-2	No Replacement		DD5R11	DD5-11	No Replacement		
7	DD1R3	DD1-3	No Replacement		DD5R12	DD5-12	No Replacement		
8	DD1R4	DD1-4	No Replacement		DD5R13	DD5-13	No Replacement		
9	DD1R5	DD1-5	No Replacement		DD5R14	DD5-14	No Replacement		
10	DD1R6	DD1-6	No Replacement		DD5R15	DD5-15	No Replacement		
11	DD1R7	DD1-7	No Replacement		DD5R16	DD5-16	No Replacement		
12	DD1R8	DD1-8	No Replacement		DD5R18	DD5-18	No Replacement		
13			1		DD5R20	DD5-20	No Replacement		
14	DD2R3	DD2-3	2		DD5R22	DD5-22	No Replacement		
15	DD2R4	DD2-4	3		DD5R24	DD5-24	No Replacement		
16	DD2R5	DD2-5	4		DD5R26	DD5-26	No Replacement		
17	DD2R6	DD2-6	5		DD5R28	DD5-28	No Replacement		
18	DD2R7	DD2-7	6					21	
19	DD2R8	DD2-8	7					22	
20	DD2R9	DD2-9	No Replacement		35	DD6R4	DD6-4	23	
	DD2R10	DD2-10	8		36	DD6R5	DD6-5	24	
	DD2R11	DD2-11	No Replacement		37	DD6R6	DD6-6	25	
21	DD2R12	DD2-12	9		38	DD6R7	DD6-7	26	
	DD3R3	DD3-3	No Replacement		39	DD6R8	DD6-8	27	
	DD3R4	DD3-4	No Replacement			DD6R9	DD6-9	No Replacement	
	DD3R5	DD3-5	No Replacement		40	DD6R10	DD6-10	28	
	DD3R6	DD3-6	No Replacement			DD6R11	DD6-11	No Replacement	
	DD3R7	DD3-7	No Replacement		41	DD6R12	DD6-12	29	
	DD3R8	DD3-8	No Replacement			DD6R13	DD6-13	No Replacement	
	DD3R9	DD3-9	No Replacement		42	DD6R14	DD6-14	30	
	DD3R10	DD3-10	No Replacement			DD6R15	DD6-15	No Replacement	
	DD3R11	DD3-11	No Replacement		43	DD6R16	DD6-16	31	
	DD3R12	DD3-12	No Replacement			DD6R18	DD6-18	No Replacement	
22			10		44	DD6R20	DD6-20	32	
23	DD4R3	DD4-3	11			DD6R22	DD6-22	No Replacement	
24	DD4R4	DD4-4	12		45	DD6R24	DD6-24	33	
25	DD4R5	DD4-5	13			DD6R26	DD6-26	No Replacement	
26	DD4R6	DD4-6	14		46	DD6R28	DD6-28	34	
27	DD4R7	DD4-7	15			DD6R30	DD6-30	No Replacement	
28	DD4R8	DD4-8	16		47	DD6R32	DD6-32	35	
29	DD4R9	DD4-9	No Replacement			DD6R34	DD6-34	No Replacement	
	DD4R10	DD4-10	17			DD6R36	DD6-36	No Replacement	
	DD4R11	DD4-11	No Replacement			DD6R38	DD6-38	No Replacement	
30	DD4R12	DD4-12	18			DD6R40	DD6-40	No Replacement	
	DD4R13	DD4-13	No Replacement		49			36	
31	DD4R14	DD4-14	19		49			37	
	DD4R15	DD4-15	No Replacement		50	DD9R4	DD9-4	38	
32	DD4R16	DD4-16	20		51	DD9R5	DD9-5	39	
	DD4R18	DD4-18	No Replacement		52	DD9R6	DD9-6	40	
	DD4R20	DD4-20	No Replacement		53	DD9R7	DD9-7	41	
	DD4R22	DD4-22	No Replacement		54	DD9R8	DD9-8	42	
	DD4R24	DD4-24	No Replacement			DD9R9	DD9-9	No Replacement	
	DD4R26	DD4-26	No Replacement		55	DD9R10	DD9-10	43	
	DD4R28	DD4-28	No Replacement			DD9R11	DD9-11	No Replacement	

(Continued on Sheet 3)

P.A.	VC	TITLE	MILITARY STANDARD
Other Cust	02	SCREW, MACHINE-FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, ALUMINUM ALLOY, ANODIC COATED, UNF-2A	MS35203
PROCUREMENT SPECIFICATION FF-3-92	SUPERSEDES: MS35262, MS35358 in part, MS35363 in part and AN510 in part	SHEET 2 OF 4	

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, when specified.

REVIEW: ME, EA, IS, AV, MI, AT
USER: SM, GL, MU, YO, PA, WV, MC

APPROVED 25 JUNE 53 REVISED (A) 25 MAR 1963 (B) FOR CHANGES 8-11 SHEET 1.

FED. SUP CLASS
5305

CROSS REFERENCE OF PART NUMBERS

CANCELLED		SUPERSEDED BY		CANCELLED		SUPERSEDED BY	
MS35262	AN510	MS35203		MS35262	AN510	MS35203	
Dash Number		Dash Number		Dash Number		Dash Number	
56	DD8R12.	DD8-12	44	90	DD416R9	DD416-9	No Replacement
	DD8R13	DD8-13	No Replacement		DD416R10	DD416-10	70
57	DD8R14	DD8-14	45	91	DD416R11	DD416-11	No Replacement
	DD8R15	DD8-15	No Replacement		DD416R12	DD416-12	71
58	DD8R16	DD8-16	46	92	DD416R13	DD416-13	No Replacement
	DD8R18	DD8-18	No Replacement		DD416R14	DD416-14	72
59	DD8R20	DD8-20	47		DD416R15	DD416-15	No Replacement
60	DD8R22	DD8-22	No Replacement	93	DD416R16	DD416-16	73
	DD8R24	DD8-24	48		DD416R19	DD416-18	No Replacement
61	DD8R26	DD8-26	No Replacement	94	DD416R20	DD416-20	74
	DD8R28	DD8-28	49		DD416R22	DD416-22	No Replacement
62	DD8R30	DD8-30	No Replacement	95	DD416R24	DD416-24	75
	DD8R32	DD8-32	50		DD416R26	DD416-26	No Replacement
	DD8R34	DD8-34	No Replacement	96	DD416R28	DD416-28	76
63	DD8R36	DD8-36	No Replacement		DD416R30	DD416-30	No Replacement
	DD8R38	DD8-38	No Replacement	97	DD416R32	DD416-32	77
64	DD8R40	DD8-40	No Replacement		DD416R34	DD416-34	No Replacement
	DD8R42	DD8-42	No Replacement	99	DD416R36	DD416-36	79
65	DD8R44	DD8-44	No Replacement		DD416R38	DD416-38	No Replacement
	DD8R46	DD8-46	No Replacement	99	DD416R40	DD416-40	79
	DD8R48	DD8-48	No Replacement		DD416R42	DD416-42	No Replacement
67			No Replacement	100	DD416R44	DD416-44	No Replacement
68	DD10R4	DD10-4	51		DD416R46	DD416-46	No Replacement
69	DD10R5	DD10-5	52	101	DD416R48	DD416-48	No Replacement
70	DD10R6	DD10-6	53	102			80
71	DD10R7	DD10-7	54	103			81
72	DD10R8	DD10-8	55	104			82
	DD10R9	DD10-9	No Replacement	105			83
73	DD10R10	DD10-10	56	106			84
	DD10R11	DD10-11	No Replacement	107			85
74	DD10R12	DD10-12	57	108			86
	DD10R13	DD10-13	No Replacement	109			87
75	DD10R14	DD10-14	58	110			88
	DD10R15	DD10-15	No Replacement	111			89
76	DD10R16	DD10-16	59	112			
77	DD10R18	DD10-18	No Replacement	113			91
	DD10R20	DD10-20	60	114			92
	DD10R22	DD10-22	No Replacement	115			No Replacement
78	DD10R24	DD10-24	61	116			No Replacement
	DD10R26	DD10-26	No Replacement	117			93
79	DD10R28	DD10-28	62	118			94
	DD10R30	DD10-30	No Replacement	119			95
80	DD10R32	DD10-32	63	120			96
	DD10R34	DD10-34	No Replacement	121			97
81	DD10R36	DD10-36	64	122			98
	DD10R38	DD10-38	No Replacement	123			99
82	DD10R40	DD10-40	65	124			100
	DD10R42	DD10-42	No Replacement	125			101
83	DD10R44	DD10-44	No Replacement	126			102
84	DD10R46	DD10-46	No Replacement	127			103
85	DD10R48	DD10-48	No Replacement	128			104
86			No Replacement	129			105
87	DD416R6	DD416-6	66	130 thru			
88	DD416R7	DD416-7	67	181			No Replacement
89	DD416R8	DD416-8	68				
			69				

APPROVED 25 JUNE 53 REVISED (A) 25 MAR 1963 (B) FOR CHANGES SEE SHEET 1.

P.A.	WC	TITLE	MILITARY STANDARD
Order Cost	02	SCREW, MACHINE-FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, ALUMINUM ALLOY, ANODIC COATED, UNF-2A	MS 35203
PROCUREMENT SPECIFICATION	SUPERSEDES	MS35262, MS35358 in part, MS35363 in part and AN510 in part	SHEET 3 OF 4
PP-S-92			

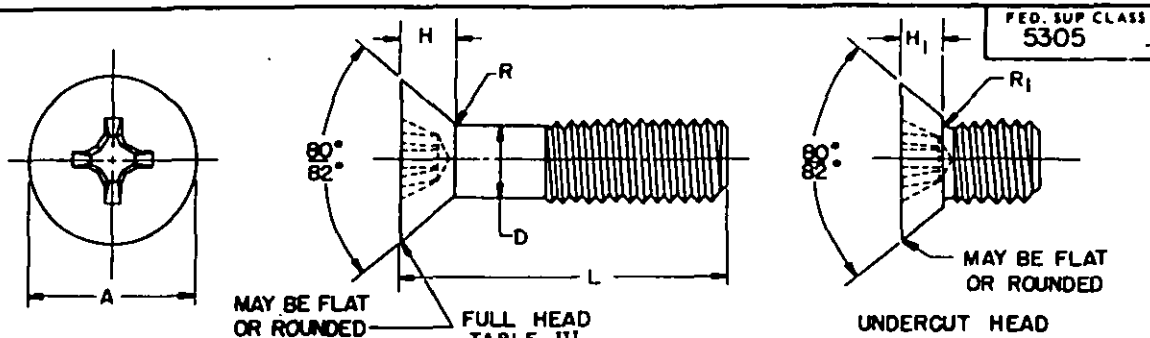
DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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REVIEW: ME, EA, ES, AV, MI, AT
USER: SH, OL, ML, YD, PA, WV, MC

REVIEW: ME, EA, IS, AV, MI, AT
 USED: SH, Q, MI, YO, PA, WV, MC



METRIC TRANSLATION OF TABLE I

NOMINAL SIZE	MM	1.524	2.184	2.845	3.505	4.166	4.826	6.350	7.938	9.525
PITCH		.32	.40	.53	.64	.71	.79	.91	1.06	1.06
D BODY DIAMETER	MAX MIN	1.524 1.260	2.184 1.862	2.845 2.423	3.505 3.007	4.166 3.617	4.826 4.211	6.350 5.632	7.938 7.127	9.525 8.712
A HEAD DIA	MAX SHARP MIN SHARP ABS MIN	3.023 2.667 2.515	4.369 3.962 3.734	5.715 5.258 4.923	7.087 6.528 6.198	8.433 7.823 7.417	9.779 9.119 8.636	12.878 12.116 11.481	16.129 15.240 14.427	19.355 18.339 17.399
H HEAD HEIGHT	REF	.889	1.295	1.702	2.108	2.540	2.946	3.886	4.851	5.842
H1 HEAD HEIGHT UNDER CUT	MAX MIN	.635 .457	.914 .711	1.194 .965	1.499 1.219	1.778 1.473	2.057 1.727	2.718 2.337	3.404 2.946	4.089 3.556
R RADIUS	MAX	.610	.864	1.143	1.397	1.676	1.930	2.540	3.175	3.810
R1 RADIUS UNDERCUT	MAX	.229	.330	.432	.533	.635	.737	.965	1.194	1.422
DRIVER SIZE		0	1	1	2	2	2	3	4	4
TENSILE STRENGTH, KN-MIN		.493	1.075	1.837	2.823	4.078	5.557	10.084	16.135	24.383
L LENGTH	TOLERANCE	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
3.175		109	1	10	21	36				
4.775		110	2	11	22	37				
6.350		111	3	12	23	38	51			
7.925		112	4	13	24	39	52	66		
9.525		113	5	14	25	40	53	67	80	
11.125	+0		6	15	26	41	54	68	81	
12.700	-.787		7	16	27	42	55	69	82	93
15.875			8	17	28	43	56	70	83	94
19.050			9	18	29	44	57	71	84	95
22.225				19	30	45	58	72	85	96
25.400				20	31	46	59	73	86	97
31.750					32	47	60	74	87	98
38.100	+0				33	48	61	75	88	99
44.450	-1.575				34	49	62	76	89	100
50.800					35	50	63	77	90	101
57.150							64	78	91	102
63.500	+0						65	79	92	103
69.850	-2.388									104
76.200										105

NOTE: All dimensions are in millimetres (mm), unless otherwise specified, and are based on an approximate conversion factor of 25.4mm equals one inch.

☆U.S. GOVERNMENT PRINTING OFFICE: 1976-603-786/5097

P.A. WC Other Cust 82	TITLE SCREW, MACHINE-FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, ALUMINUM ALLOY, ANODIC COATED, UNF-2A	MILITARY STANDARD MS 35203
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: MS35262, MS35358 in part, MS35363 in part and ANSI0 in part.	SHEET 4 OF 4