

TABLE 1. DASH NUMBERS AND DIMENSIONS

ØD NOMINAL SIZE	#2	#4	#6	#8	#10	1/4	5/16	3/8	
THREADS PER INCH (UNF-2A)	64	48	40	36	32	28	24	24	
ØD BODY	MAX	.0860	.1120	.1380	.1640	.1900	.2500	.3125	.3750
	MIN	.0733	.0954	.1184	.1424	.1658	.2225	.2806	.3430
ØA HEAD	MAX	.167	.219	.270	.322	.373	.492	.615	.740
	MIN	.155	.205	.256	.306	.357	.473	.594	.716
H HEAD HEIGHT	MAX	.062	.080	.097	.115	.133	.175	.218	.261
	MIN	.053	.070	.087	.105	.122	.162	.203	.244
P HEAD RADIUS	MIN	.010	.010	.015	.015	.020	.035	.040	.040
R FILLET RADIUS	MAX	.013	.017	.021	.025	.029	.038	.047	.056
DRIVER SIZE	1	1	2	2	2	3	4	4	
MINIMUM TENSILE STRENGTH LOAD (LBS)	215	360	550	810	1100	2000	3150	4800	
L LENGTH	TOLERANCE	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	
.12	+.00 -.03	1	10	21	36				
.19		2	11	22	37				
.25		3	12	23	38	51			
.31		4	13	24	39	52	66		
.38		5	14	25	40	53	67	80	
.44		6	15	26	41	54	68	81	
.50		7	16	27	42	55	69	82	93
.62		8	17	28	43	56	70	83	94
.75	+.00 -.06	9	18	29	44	57	71	84	95
.88		19	30	45	58	72	85	96	
1.00		20	31	46	59	73	86	97	
1.25		32	47	60	74	87	98		
1.50	33	48	61	75	88	99			
1.75	34	49	62	76	89	100			
2.00	35	50	63	77	90	101			
2.25	+.00 -.09				64	78	91	102	
2.50					65	79	92	103	
2.75								104	
3.00								105	

USER ACTIVITIES:
ARMY-AT, CR, ME
NAVY-MC, SH
NSA-NS

REVIEWER ACTIVITIES:
ARMY-AV, EA
DLA-IS

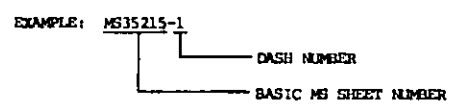
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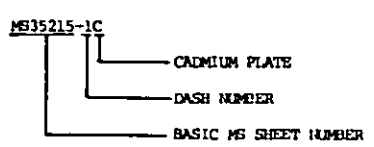
P.A. ARMY-AR Other Cust NAVY-YD AIR FORCE-82	INTERNATIONAL INTEREST	TITLE SCREW, MACHINE-PAN HEAD, CROSS-RECESSED, BRASS, UNF-2A	MILITARY STANDARD MS35215
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: MS35213, MS35230, MS35232 AND IN PART: MS35357, MS35359 THRU MS35362, MS35364 THRU MS35366 AND AN520		PAGE 1 OF 3

REQUIREMENTS:

1. **MATERIAL:** BRASS IN ACCORDANCE WITH QQ-B-613, QQ-B-626 OR QQ-W-321. THE MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 55,000 PSI.
2. **PROTECTIVE COATING:** BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-P-495. CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE 11, CLASS 3. (WHEN CADMIUM IS REQUIRED, A "C" SHALL FOLLOW THE DASH NUMBER).
3. **THREADS:** THE THREADS SHALL BE IN ACCORDANCE WITH SCREW-THREAD STANDARDS FOR FEDERAL SERVICES FED-STD-H28.
4. **THREAD LENGTH:** FULL FORM THREADS SHALL EXTEND TO WITHIN 2 THREADS OR LESS OF HEAD BEARING SURFACE FOR LENGTHS THRU 2.00 INCHES. LONGER LENGTHS SHALL HAVE A MINIMUM FULL FORM THREAD LENGTH OF 1.50 INCHES.
5. **RECESS:** THE RECESS SHALL BE IN ACCORDANCE WITH MS9006.
6. **PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS SHEET NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE I AND A CODE LETTER "C" FOR CADMIUM PLATE, IF APPLICABLE.



MS35215-1 INDICATES - SCREW, MACHINE-PAN HEAD, CROSS RECESSED, BRASS, BLACK CHEMICAL FINISH, .0860-64 UNF-2A NOMINAL THREAD SIZE; .125 THREAD LENGTH.



MS35215-1C INDICATES - SCREW, MACHINE-PAN HEAD, CROSS RECESSED, BRASS, CADMIUM PLATE, .0860-64 UNF-2A NOMINAL THREAD SIZE; .125 THREAD LENGTH.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
3. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DoD ISS) SPECIFIED IN THE SOLICITATION, FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

USER ACTIVITIES:
ARMY-AT, CR, ME
NAVY-MC, SH
NSA-NS

REVIEWER ACTIVITIES:
ARMY-AV, EA
DLA-IS

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APPROVED 25 JUN 53 REVISED (C) FOR CHANGES SEE PAGES 1, 2 AND 3

P.A. ARMY-AR Other Cust NAVY-YD AIR FORCE-82	INTERNATIONAL INTEREST	TITLE SCREW, MACHINE-PAN HEAD, CROSS-RECESSED, BRASS, UNF-2A	MILITARY STANDARD	
			MS35215	
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: MS35213, MS35230, MS35232 AND IN PART MS35357, MS35359 THRU MS35362, MS35364 THRU MS35366 AND AN520		PAGE 2	OF 3

SCREWS COVERED BY DASH NUMBERS GIVEN IN MS35213, MS35230, MS35232 AND AN520 IN PART ARE CANCELED AFTER 17 DECEMBER 1962. THE CANCELED SCREWS CANNOT ALWAYS BE REPLACED BY THE SUPERSEDING SCREWS AND SHOULD BE USED UNTIL EXISTING STOCKS ARE DEPLETED. USE ONLY THE SUPERSEDING SCREWS FOR NEW DESIGN AND ENGINEERING. REPLACEMENT SHALL BE IN ACCORDANCE WITH THIS TABLE AND AS FOLLOWS:

- A. MS35213 SCREWS ARE SUPERSEDED BY MS35215 SCREWS HAVING THE SAME DASH NUMBERS.
- B. AN520 DASH NUMBERS HAVING A "R" IN PLACE OF THE "-" ARE SUPERSEDED BY THE SAME MS35215 DASH NUMBERS AS THOSE WITH THE "-".

TABLE II. INTERCHANGEABILITY

DASH NUMBER			DASH NUMBER			DASH NUMBER		
CANCELED		SUPERSEDING	CANCELED		SUPERSEDING	CANCELED		SUPERSEDING
MS35230 MS35232	AN520	MS35215	MS35230 MS35232	AN520	MS35215	MS35230 MS35232	AN520	MS35215
	B0-2 THRU B0-8	✓ ✓ ✓	37	B6-26 B6-28 B6-30	34 ✓ ✓	75	B10-48	1/ 66
	B1-2 THRU B1-8	✓ ✓ ✓	38	B6-32 B6-36 B6-40	35 ✓ ✓	76	B416-6	67
1		1				77	B416-7	68
2	B2-3	2	39		36	78	B416-8	69
3	B2-4	3	40	B8-4	37	79	B416-10	70
4	B2-5	4	41	B8-5	38	80		
5	B2-6	5	42	B8-6	39	81	B416-12	71
6	B2-7	6	43	B8-7	40	82	B416-14	72
7	B2-8	7	44	B8-8	41	83	B416-16	73
8	B2-10	8	45	B8-10	42	84	B416-18	1/ 74
9	B2-12	9	46	B8-12	43	85	B416-20	1/ 75
10	B3-3 THRU B3-12	✓ ✓ ✓	47	B8-14	44	86	B416-22	1/ 76
			48	B8-16	45	87	B416-24	1/ 77
			49	B8-18	46	88	B416-26	1/ 78
			50		47	89	B416-28	1/ 79
11		10		B8-20	1/ 48	90	B416-30	1/ 80
12	B4-3	11	51	B8-22	✓ 49	91	B416-32	1/ 81
13	B4-4	12		B8-24	✓ 50	92	B416-36	1/ 82
14	B4-5	13		B8-26	✓ 51	93		
15	B4-6	14	52	B8-28	✓ 52	94		
16	B4-7	15		B8-30	✓ 53	95		
17	B4-8	16	53	B8-32	50	96		83
18	B4-10	17	54	B8-36	1/ 51	97		84
19	B4-12	18	55	B8-40	1/ 52	98		85
20	B4-14	19	56	B8-44	1/ 53	99		86
21	B4-16	20	57	B8-48	1/ 54	100		87
					55	101		88
22	B4-18	✓ 21	58		✓ 56	102		89
23	THRU B4-28	✓ ✓ ✓	59	B10-4	51	103		90
	B5-4	✓ 22	60	B10-5	52	104		91
	THRU B5-28	✓ ✓ ✓	61	B10-6	53	105		92
			62	B10-7	54	106		1/ 93
			63	B10-8	55	107		94
24		21	64	B10-10	56	108		95
25		22	65	B10-12	57	109		96
26	B6-4	23	66	B10-14	58	110		
27	B6-5	24	67	B10-16	59	111		97
28	B6-6	25		B10-18	✓ 60	112		98
29	B6-7	26	68	B10-20	60	113		99
30	B6-8	27		B10-22	✓ 61	114		100
31	B6-10	28	69	B10-24	61	115		101
32	B6-12	29		B10-26	1/ 62	116		102
33	B6-14	30	70	B10-28	62	117		103
						118		104
34	B6-16	31		B10-30	✓ 63	119		105
	B6-18	1/ 32	71	B10-32	63			
35	B6-20	✓ 33	72	B10-36	64			
	B6-22	1/ 34	73	B10-40	65			
36	B6-24	✓ 35	74	B10-44	✓ 66			

1/ NO REPLACEMENT

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