

FED. SUPPLY CLASS

5305

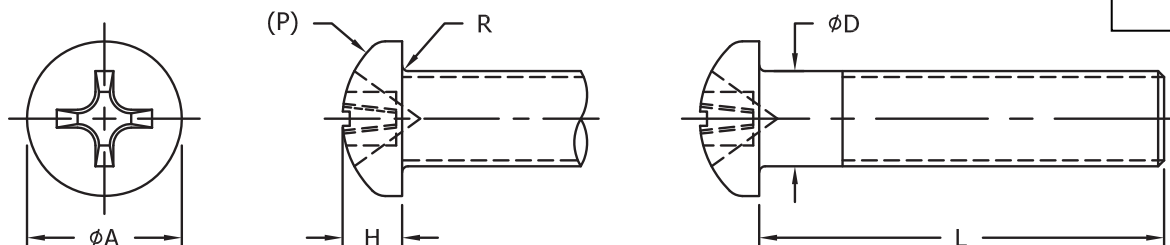


TABLE I – DASH NUMBERS AND DIMENSIONS

ØD NOMINAL SIZE	#2	#4	#6	#8	#10	1/4	5/16	3/8
THREADS PER INCH (UNC-2A)	56	40	32	32	24	20	18	16
ØD BODY								
MAX	.0860	.1120	.1380	.1640	.1900	.2500	.3125	.3750
MIN	.0717	.0925	.1141	.1399	.1586	.2127	.2712	.3287
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	.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 (LBF)	200	330	500	770	960	1750	2880	4260
L LENGTH	TOLERANCE	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO
.12		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	+00	6	15	26	41	54	68	81
.50	-.03	7	16	27	42	55	69	82
.56		~~136~~ /6/	106 /5/	108 /5/	114 /5/	~~120~~ /6/	~~124~~ /6/	~~128~~ /6/
.62		8	17	28	43	56	70	83
.75		9	18	29	44	57	71	84
.88			19	30	45	58	72	85
1.00			20	31	46	59	73	86
1.12			107 /5/	109 /5/	115 /5/	~~121~~ /6/	~~125~~ /6/	~~129~~ /6/
1.25				32	47	60	74	87
1.38		~~137~~ /6/	110 /5/	116 /5/	122 /6/	~~126~~ /6/	~~130~~ /6/	~~134~~ /6/
1.50	+00		33	48	61	75	88	99
1.75	-.06			34	49	62	76	89
1.88			111 /5/	~~117~~ /6/	~~123~~ /6/	~~127~~ /6/	~~131~~ /6/	~~135~~ /6/
2.00			35	50	63	77	90	101
2.25				112 /5/	~~118~~ /6/	64	78	91
2.50	+00			113 /5/	~~119~~ /6/	65	79	92
2.75	-.09							102
3.00								103
								104
								105

② COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35214, REVISION D. PART NUMBERS REMAIN MS35214.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-S-92	② TITLE SCREW, MACHINE, PAN HEAD, CROSS-RECESSED, BRASS, UNC-2A	CLASSIFICATION PART STANDARD MSM35214

MATERIAL:

BRASS SHALL BE IN ACCORDANCE WITH ASTM B16/B16M, ASTM B36/B36M, ASTM B121/B121M, ASTM B124/B124M OR ASTM B134/B134M. THE MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 55,000 PSI.

FINISH:

BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-F-495.
CADMIUM PLATE IN ACCORDANCE AMS-QQ-P-416, TYPE II, CLASS 3. (WHEN CADMIUM IS REQUIRED, A "C" SHALL FOLLOW THE DASH NUMBER).

CODE:

THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE I AND A CODE LETTER "C" FOR CADMIUM PLATE, IF APPLICABLE.

EXAMPLE OF PART NUMBER:

MS35214-1 = SCREW, MACHINE-PAN HEAD, CROSS RECESSED, BRASS, BLACK CHEMICAL FINISH, .0860-56 UNC-2A NOMINAL THREAD SIZE; .125 LENGTH.

MS35214-1C = SCREW, MACHINE-PAN HEAD, CROSS RECESSED, BRASS, CADMIUM PLATE, .0860-56 UNC-2A NOMINAL THREAD SIZE; .125 LENGTH.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (4) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- /5/ TABLE I DASH NUMBERS 106 THRU 116 ARE NON-PREFERRED FOR NEW DESIGN.
- /6/ TABLE 1 – DASH NUMBERS AND DIMENSIONS: LINED OUT DASH NUMBERS ARE INACTIVE FOR NEW DESIGN AFTER 12 JUNE 1974.
- /7/ TABLE II – NO REPLACEMENT.
- (8) THE THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 21.
- (9) 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.
- (10) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.

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. MS35212 SCREWS ARE SUPERSEDED BY MS35214 SCREWS HAVING THE SAME DASH NUMBERS.
- B. AN515 DASH NUMBERS HAVING AN "R" IN PLACE OF THE "-" ARE SUPERSEDED BY THE SAME MS35214 DASH NUMBERS AS THOSE WITH THE "-".

REVISION
2
NASM35214
SHEET 2

② COMPLETELY REVISED