

FED. SUPPLY CLASS

5305

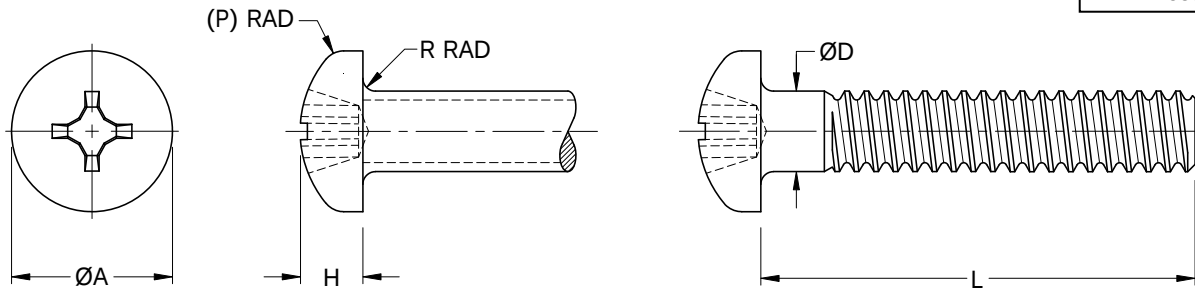


TABLE I – DIMENSIONS AND STRENGTH VALUES

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		.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
	MIN TENSILE STRENGTH LOAD, LBF		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.	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	93	
.62		8	17	28	43	56	70	83	94	
.75		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	+ .00			32	47	60	74	87	98	
1.50	- .06			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					64	78	91	102	
2.50	- .09					65	79	92	103	
2.75									104	
3.00									105	

② COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35215, REV C, AMENDMENT 1. PART NUMBERS REMAIN MS35215.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-S-92	TITLE SCREW, MACHINE, PAN HEAD, CRUCIFORM RECESS, BRASS, UNF-2A	CLASSIFICATION PART STANDARD



MS35215

SHEET 1 OF 3

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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 WITH AMS-QQ-P-416, TYPE II, CLASS 3.

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.

MS35215 - XX C
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 DASH NUMBER BASIC MS SHEET NUMBER
 └───┬───
 CADMIUM PLATE, IF APPLICABLE

EXAMPLE OF PART NUMBER:

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

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

NOTES:

- (1) ALL DIMENSIONS ARE 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) 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.
- (6) FULL FORM THREADS SHALL EXTEND TO WITHIN 2 THREADS OR LESS OF HEAD BEARING SURFACE FOR LENGTHS THRU 2.00. LONGER LENGTHS SHALL HAVE A MINIMUM FULL FORM THREAD LENGTH OF 1.50.
- (7) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

2

NASM35215

SHEET 2

② COMPLETELY REVISED

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