

FED. SUPPLY CLASS

5305

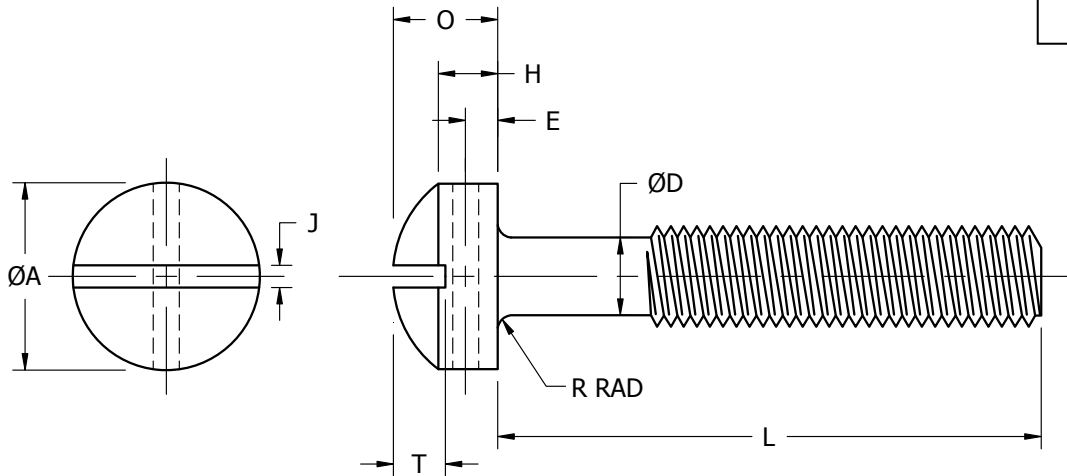


TABLE I – DIMENSIONS

NOMINAL SIZE	THREADS PER INCH UNF-2A	ØD BODY		ØA HEAD		H HEAD SIDE HEIGHT		O TOTAL HEAD HEIGHT		J SLOT WIDTH		T SLOT DEPTH		E DRILL LOCATION NOM	DRILLED HOLE SIZE NOM	R RAD MAX	TENSILE STRENGTH LBF MIN
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN				
.0860 (#2)	64	.0860	.0733	.140	.124	.062	.055	.083	.070	.031	.023	.030	.022	.026	.031	.013	220
.1120 (#4)	48	.1120	.0954	.183	.166	.079	.072	.107	.094	.039	.031	.038	.030	.035	.037	.017	380
.1380 (#6)	40	.1380	.1184	.226	.208	.096	.089	.132	.118	.048	.039	.045	.035	.043	.046	.021	580
.1640 (#8)	36	.1640	.1424	.270	.250	.113	.106	.156	.141	.054	.045	.065	.054	.043	.046	.025	840
.1900 (#10)	32	.1900	.1658	.313	.292	.130	.123	.180	.165	.060	.050	.075	.064	.043	.046	.029	1,140
.2500 (1/4)	28	.2500	.2225	.414	.389	.170	.161	.237	.219	.075	.064	.102	.087	.062	.062	.038	2,070
.3125 (5/16)	24	.3125	.2806	.518	.490	.211	.201	.295	.276	.084	.072	.130	.110	.078	.070	.047	3,310
.3750 (3/8)	24	.3750	.3430	.622	.590	.253	.242	.355	.333	.094	.081	.154	.134	.094	.070	.056	5,000

MATERIAL:

BRASS, IN ACCORDANCE WITH ASTM B36/B36M, ASTM B121/B121M, ASTM B16/B16M, ASTM B124/B124M, ASTM B134/B134M, ASTM B159/B159M OR ASTM B206/B206M.

HEAT TREATMENT:

MINIMUM ULTIMATE TENSILE STRENGTH: 57 KSI.

FINISH:

BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-F-495.

① COMPLETELY REVISED

CODE:

THE PART NUMBER CONSISTS OF THE BASIC MS NUMBER PLUS THE DASH NUMBER FROM TABLE II.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35274, AMENDMENT 1. PART NUMBERS REMAIN MS35274.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-92	TITLE SCREW, MACHINE, DRILLED FILLISTER HEAD, SLOTTED, BRASS, BLACK CHEMICAL FINISH, UNF-2A	CLASSIFICATION PART STANDARD
		MSM35274 SHEET 1 OF 4

EXAMPLE OF PART NUMBER:

MS35274-1

NOTES:

- (1) 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.
- (2) SCREWS 2.00 INCHES LONG AND SHORTER SHALL HAVE COMPLETE THREADS EXTENDING TO WITHIN TWO THREADS OF THE HEAD, OR CLOSER IF PRACTICABLE. LONGER SCREWS SHALL HAVE A MINIMUM THREAD LENGTH OF 1.50 INCHES.
- (3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) DRILLED HOLE IS TO BE APPROXIMATELY AT RIGHT ANGLES TO THE SLOT AND MAY BE PERMITTED TO BREAK THROUGH THE BOTTOM OF THE SLOT. REMOVE ALL BURRS AND SHARP EDGES.
- (5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (6) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (7) 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.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

TABLE II – DASH NUMBERS

L LENGTH	TOLERANCE	.0860 (#2)	.1120 (#4)	.1380 (#6)	.1640 (#8)	.1900 (#10)	.2500 (1/4)	.3125 (5/16)	.3750 (3/8)
DASH NUMBERS									
.125	+.000 -.031	1	11	24	39	—	—	—	—
.188		2	12	25	40	58	—	—	—
.250		3	13	26	41	59	—	—	—
.312		4	14	27	42	60	76	—	—
.375		5	15	28	43	61	77	92	—
.438		6	16	29	44	62	78	93	—
.500		7	17	30	45	63	79	94	107
.625		8	18	31	46	64	80	95	108
.750	+.000 -.062	9	19	32	47	65	81	96	109
.875		10	20	33	48	66	82	97	110
1.000		—	21	34	49	67	83	98	111
1.250		—	22	35	50	68	84	99	112
1.500		—	23	36	51	69	85	100	113
1.750		—	—	37	52	70	86	101	114
2.000		—	—	38	53	71	87	102	115
2.250		—	—	—	54	72	88	103	116
2.500	+.000 -.094	—	—	—	55	73	89	104	117
2.750		—	—	—	56	74	90	105	118
3.000		—	—	—	57	75	91	106	119

REVISION

1

NAS Documents

SHEET 2

① COMPLETELY REVISED

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