

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
11000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 09-01

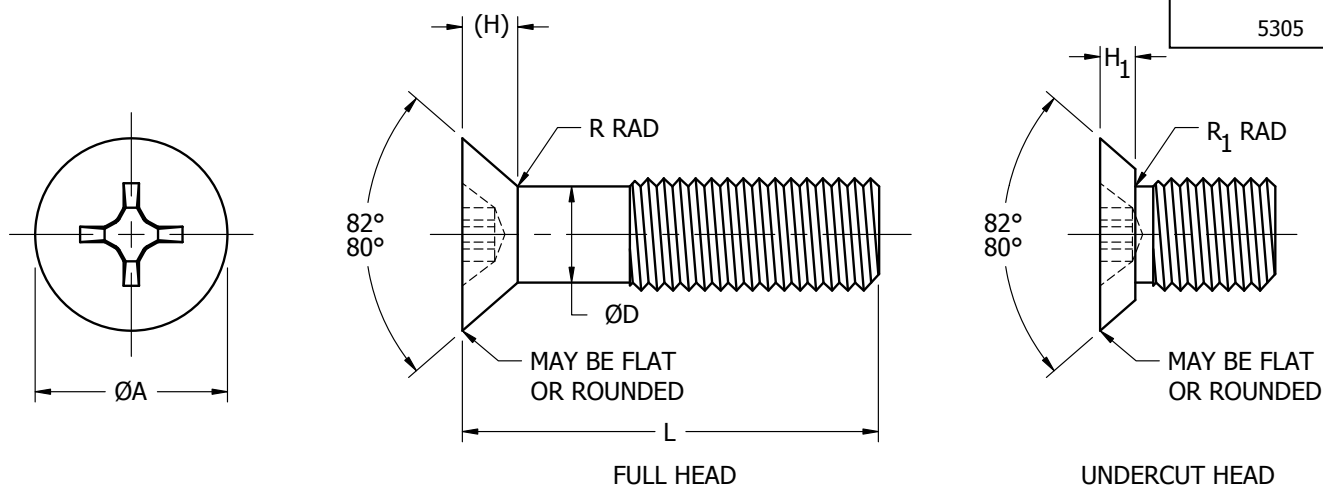


TABLE I – DIMENSIONS

NOMINAL SIZE	THREADS PER INCH UNC-2A	ØD BODY		ØA HEAD			(H) HEAD HEIGHT	H ₁		R RAD MAX	R ₁ UNDERCUT MAX	DRIVER SIZE	TENSILE STRENGTH LBF MIN
				MAX SHARP	MIN SHARP	ABS MIN		HEAD HEIGHT UNDERCUT					
		MAX	MIN					MAX	MIN				
(#2) .0860	56	.0860	.0717	.172	.156	.147	.051	.036	.028	.034	.013	1	230
(#4) .1120	40	.1120	.0925	.225	.207	.195	.067	.047	.038	.045	.017	1	370
(#6) .1380	32	.1380	.1141	.279	.257	.244	.083	.059	.048	.055	.021	2	560
(#8) .1640	32	.1640	.1399	.332	.308	.292	.100	.070	.058	.066	.025	2	870
(#10) .1900	24	.1900	.1586	.385	.359	.340	.116	.081	.068	.076	.029	2	1,090
(1/4) .2500	20	.2500	.2127	.507	.477	.452	.153	.107	.092	.100	.038	3	1,970
(5/16) .3125	18	.3125	.2712	.635	.600	.568	.191	.134	.116	.125	.047	4	3,250
(3/8) .3750	16	.3750	.3287	.762	.722	.685	.230	.161	.140	.150	.056	4	4,800

MATERIAL:

ALUMINUM ALLOY 2024-T4 (UNS A92024) PER ~~QQ-A-225/6~~ AMS-QQ-A-225/6 HAVING MINIMUM
ULTIMATE TENSILE STRENGTH OF 62 KSI.

FINISH:

ANODIC COATING IN ACCORDANCE WITH MIL-A-8625, TYPE I OR II, CLASS 1.

CODE:

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

EXAMPLE OF PART NUMBER:

MS35202-1

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35202, REVISION C. PART NUMBERS REMAIN MS35202.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-92	TITLE SCREW, MACHINE, FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, ALUMINUM ALLOY, ANODIC COATED, UNC-2A	①	CLASSIFICATION PART STANDARD NAS 35202 SHEET 1 OF 5

REVISION DATE: OCTOBER 28, 2011

ISSUE DATE: OCTOBER 1998

NOTES:

- (1) THE THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28.
- (2) 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.
- (3) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- (4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /5/ UNDERCUT HEADS: SCREWS ABOVE DOTTED LINES SHALL HAVE UNDERCUT HEADS.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (7) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (8) 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.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /10/ FOR TABLES IV AND V, ALL DIMENSIONS ARE IN MILLIMETERS (mm), UNLESS OTHERWISE SPECIFIED, AND ARE BASED ON AN APPROXIMATE CONVERSION FACTOR OF 25.4 mm EQUALS ONE INCH.

TABLE II – LENGTHS /5/

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

/5/

① COMPLETELY REVISED

REVISION

1

NASM35202

SHEET 2

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