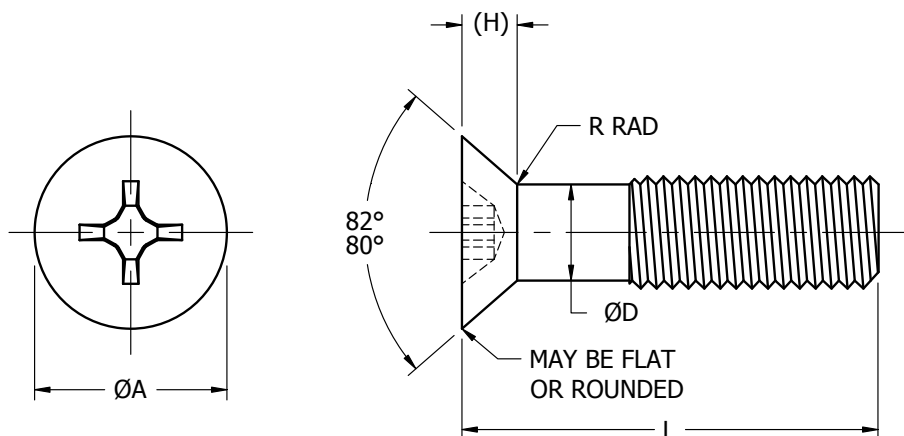
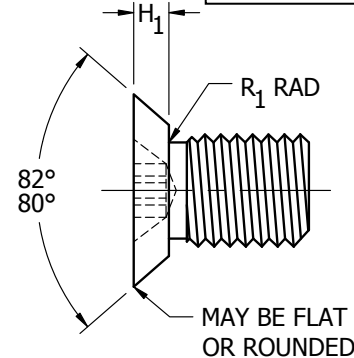


FED. SUPPLY CLASS

5305



FULL HEAD



UNDERCUT HEAD

TABLE I – DIMENSIONS

NOM SIZE	THREADS PER INCH UNF-2A	ØD BODY		ØA HEAD			(H) HEAD HEIGHT	H ₁ HEAD HEIGHT UNDERCUT		R RAD MAX	R ₁ RAD UNDERCUT MAX	DRIVER SIZE	TENSILE STRENGTH LBF MIN
				MAX	MIN	ABS MIN		MAX	MIN				
		MAX	MIN	SHARP	SHARP			MAX	MIN				
.0600 (#0)	80	.0600	.0496	.119	.105	.099	.035	.025	.018	.024	.009	0	110
.0860 (#2)	64	.0860	.0733	.172	.156	.147	.051	.036	.028	.034	.013	1	240
.1120 (#4)	48	.1120	.0954	.225	.207	.195	.067	.047	.038	.045	.017	1	410
.1380 (#6)	40	.1380	.1184	.279	.257	.244	.083	.059	.048	.055	.021	2	630
.1640 (#8)	36	.1640	.1424	.332	.308	.292	.100	.070	.058	.066	.025	2	910
.1900 (#10)	32	.1900	.1658	.385	.359	.340	.116	.081	.068	.076	.029	2	1,240
.2500 (1/4)	28	.2500	.2225	.507	.477	.452	.153	.107	.092	.100	.038	3	2,250
.3125 (5/16)	24	.3125	.2806	.635	.600	.568	.191	.134	.116	.125	.047	4	3,600
.3750 (3/8)	24	.3750	.3430	.762	.722	.685	.230	.161	.140	.150	.056	4	5,440

MATERIAL:

ALUMINUM ALLOY (2024-T4) PER QQ-A-225/6 AMS-QQ-A-225/6.

HEAT TREATMENT:

MINIMUM ULTIMATE TENSILE STRENGTH: 62 KSI.

① COMPLETELY REVISED

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 NUMBERS.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35203, REVISION B. PART NUMBERS REMAIN MS35203.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-S-92	TITLE SCREW, MACHINE, FLAT COUNTERSUNK HEAD, 82°, CRUCIFORM RECESS, ALUMINUM ALLOY, ANODIC COATED, UNF-2A	①	CLASSIFICATION PART STANDARD NASM35203 SHEET 1 OF 5

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EXAMPLE OF PART NUMBER:

MS35203-1

NOTES:

- (1) THE THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28.
- (2) 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/ 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/ 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 – LENGTH DASH NUMBERS

L LENGTH	TOLERANCE	(#0) .0600	(#2) .0860	(#4) .1120	(#6) .1380	(#8) .1640	(#10) .1900	(1/4) .2500	(5/16) .3125	(3/8) .3750
DASH NUMBERS										
.125	+.000 -.031	109	1	10	21	36	—	—	—	—
.188		110	2	11	22	37	—	—	—	—
.250		111	3	12	23	38	51	—	—	—
.312		112	4	13	24	39	52	66	—	—
.375		113	5	14	25	40	53	67	80	—
.438	+.000 -.031	—	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	+.000 -.062	—	—	20	31	46	59	73	86	97
1.250		—	—	—	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/

REVISION

1

NASM35203

SHEET 2

① COMPLETELY REVISED



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