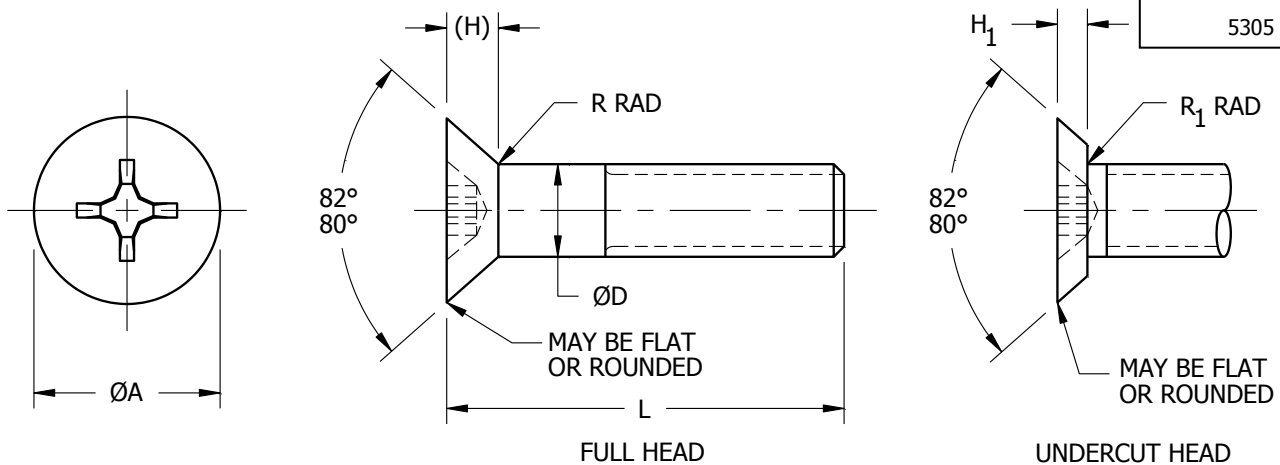




② TABLE I – DIMENSIONS

NOMINAL THREAD	ØD BODY		ØA HEAD			(H) HEAD HEIGHT	H ₁ HEAD HEIGHT UNDERCUT		R RADIUS MAX	R ₁ RADIUS UNDERCUT MAX	DRIVER SIZE	TENSILE STRENGTH LBF MIN
	MAX	MIN	MAX SHARP	MIN SHARP	ABS MIN		MAX	MIN				
.0860-56 UNC-2A	.0860	.0717	.172	.156	.147	.051	.036	.028	.034	.013	1	210
.1120-40 UNC-2A	.1120	.0925	.225	.207	.195	.067	.047	.038	.045	.017	1	340
.1380-32 UNC-2A	.1380	.1141	.279	.257	.244	.083	.059	.048	.055	.021	2	520
.1640-32 UNC-2A	.1640	.1399	.332	.308	.292	.100	.070	.058	.066	.025	2	800
.1900-24 UNC-2A	.1900	.1586	.385	.359	.340	.116	.081	.068	.076	.029	2	1,000
.2500-20 UNC-2A	.2500	.2127	.507	.477	.452	.153	.107	.092	.100	.038	3	1,810
.3125-18 UNC-2A	.3125	.2712	.635	.600	.568	.191	.134	.116	.125	.047	4	2,990
.3750-16 UNC-2A	.3750	.3287	.762	.722	.685	.230	.161	.140	.150	.056	4	4,420

MATERIAL:

BRASS IN ACCORDANCE WITH ASTM B16/B16M, ASTM B36/B36M, ASTM B121/B121M, ASTM B124/B124M, ASTM B134/B134M OR ASTM B206/B206M HAVING MINIMUM ULTIMATE TENSILE STRENGTH OF 57 KSI.

FINISH:

BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-F-495. CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2. (WHEN CADMIUM PLATING IS REQUIRED, A "C" SHALL FOLLOW THE DASH NUMBER).

CODE:

THE PART NUMBER SHALL CONSIST OF THE BASIC MS PART NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE II AND A CODE LETTER "C" FOR CADMIUM PLATE, TYPE II, CLASS 2, IF APPLICABLE.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35198, REVISION D, AMENDMENT 1. PART NUMBERS REMAIN MS35198.

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		2	
PROCUREMENT SPECIFICATION	FF-S-92	TITLE		CLASSIFICATION PART STANDARD	
		SCEW, MACHINE, FLAT COUNTERSUNK HEAD, 82° CROSS-RECESSED, BRASS, UNC-2A		MSM35198 SHEET 1 OF 5	

EXAMPLE OF PART NUMBER:

MS35198 - 1 = SCREW, MACHINE, FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, BRASS,
.0860-56 UNC-2A, .125 LENGTH, BLACK CHEMICAL FINISH.

DASH NUMBER
BASIC MS NUMBER

MS35198-1C = SCREW, MACHINE, FLAT COUNTERSUNK HEAD, 82°, CROSS-RECESSED, BRASS,
.0860-56 UNC-2A, .125 LENGTH, CADMIUM PLATE.

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 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.
- /4/ SIZES ABOVE DASHED LINES IN TABLE II HAVE UNDERCUT HEADS.
- (5) THE THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 21.
- (6) THREAD LENGTH: 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.
- (7) THE RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

2

NASM35198
SHEET 2



Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY THE QUALITY OF ITEMS PRODUCED UNDER NATIONAL AEROSPACE STANDARDS. AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF ITEMS FOR ANY PARTICULAR APPLICATION OR (2) THE EXISTENCE OF OR APPLICABILITY THEREO OF PATENT OR TRADEMARKS RIGHTS.

Full document details: AIA NASM35198 2016