

FED. SUPPLY CLASS

5305

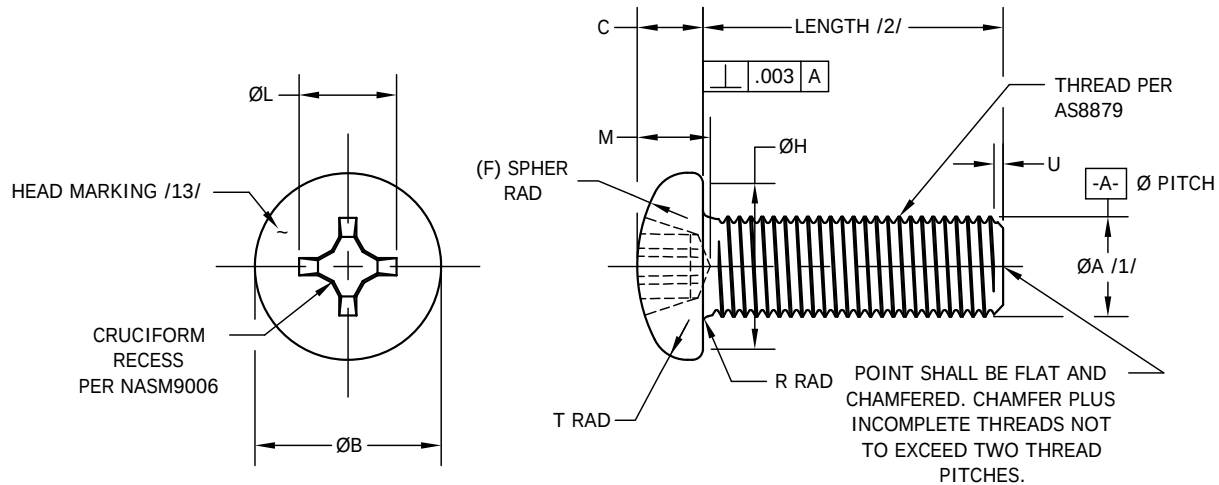


TABLE I – DIMENSIONS

BASIC PART NUMBER	THREAD	ØA MAX	ØB		C HEAD HEIGHT		(F) SPHER RAD	ØH MIN	ØL +.010 −.000	CRUCIFORM RECESS			R RAD		U MAX	T RAD MAX	INSPECTION VALUES ULT TENSILE MIN LB
										M MAX	DEPTH OF PENETRATION /4/						
			MAX	MIN	MAX	MIN					MAX	MIN					
NAS600	.1120-40 UNJC-3A	.112	.219	.205	.080	.070	.17	.195	.109	.090	.068	.053	.010	.005	.04	.042	960
NAS601	.1380-32 UNJC-3A	.138	.270	.256	.097	.087	.21	.242	.153	.111	.077	.055	.010	.005	.05	.046	1,430
NAS602	.1640-32 UNJC-3A	.164	.322	.306	.115	.105	.24	.289	.169	.127	.094	.071	.020	.010	.05	.052	2,230
NAS603	.1900-32 UNJF-3A	.190	.373	.357	.133	.122	.28	.331	.186	.145	.110	.089	.020	.010	.05	.061	3,180
NAS604	.2500-28 UNJF-3A	.250	.492	.473	.175	.162	.37	.424	.268	.192	.141	.118	.020	.010	.06	.087	5,790
NAS605	.3125-24 UNJF-3A	.312	.615	.594	.218	.203	.53	.518	.337	.227	.170	.149	.020	.010	.06	.099	9,260
NAS606	.3750-24 UNJF-3A	.375	.740	.716	.261	.244	.65	.611	.380	.266	.210	.190	.025	.015	.06	.143	14,000

TABLE II – DASH NUMBERS VS. LENGTHS

DASH NO	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	24	26	28	30	32	34	36 TO 96
LENGTH	.19	.25	.31	.38	.44	.50	.56	.62	.69	.75	.81	.88	.94	1.00	1.12	1.25	1.38	1.50	1.62	1.75	1.88	2.00	2.12	2.25 TO 6.00
LENGTH TOL							+.00 -.03												+.00 -.06					+.00 -.09

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	NASM7839

CUSTODIAN	NATIONAL AEROSPACE STANDARDS COMMITTEE
TITLE	SCREW, MACHINE, PAN HEAD, CRUCIFORM RECESS, FULL THREAD, ALLOY STEEL

REVISION	10
CLASSIFICATION	PART STANDARD
NAS 600 THROUGH 606	SHEET 1 OF 3

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 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

REVISION DATE: MARCH 31, 2014

ISSUE DATE: SEPTEMBER 1950

MATERIAL:

- ⑩ ALLOY STEEL - 4140 (UNS G41400) PER ~~MIL-S-5626~~ AMS6382, 4340 (UNS G43406) PER ~~MIL-S-5000~~ AMS6415 OR AMS6484, OR 8740 (UNS G87400) PER ~~MIL-S-6049~~ AMS6322, AMS6325 OR AMS6327.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER ~~AMS-H-6875~~ OR AMS2759:

160 TO 180 KSI Ft_u

FINISH:

~~CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE I, CLASS 2 (SEE CODE). /7/~~

CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2 FOR PARTS CARRYING "B" OR "P" AFTER LAST DASH NUMBER (SEE CODE).

CODE:

LAST DIGIT OF NAS BASIC PART NUMBER DESIGNATES SCREW SIZE PER TABLE I.

FIRST DASH NUMBER DESIGNATES NOMINAL LENGTH IN .0625 INCH INCREMENTS (CONVERTED TO TWO DECIMAL PLACES IN ACCORDANCE WITH ANSI Y14.5M-1982).

INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBERS ONLY.

USE OF .25 INCH INCREMENTS IS RECOMMENDED FOR SCREW LENGTHS FROM 2.25 TO 6.00 INCHES.

~~OMIT CODE FOLLOWING LENGTH DASH NUMBER FOR SCREW WITH TYPE I, CLASS 2 PLATING /7/.~~

ADD "B" FOLLOWING LENGTH DASH NUMBER FOR SCREW WITH CADMIUM PLATING PER AMS-QQ-P-416, TYPE II, CLASS 2, WITH DULL BLACK CHROMATE TREATMENT.

ADD "P" FOLLOWING LENGTH DASH NUMBER FOR SCREW WITH CADMIUM PLATING PER AMS-QQ-P-416, TYPE II, CLASS 2.

EXAMPLES OF PART NUMBERS:

NAS600-6 = ~~.1120-40 UNJC-3A SCREW, MACHINE, PAN HEAD, CRUCIFORM RECESS, FULL THREAD, ALLOY STEEL, .38 INCH LONG, CADMIUM PLATE, TYPE I, CLASS 2. /7/~~

NAS601-8B = .1380-32 UNJC-3A SCREW, MACHINE, PAN HEAD, CRUCIFORM RECESS, FULL THREAD, ALLOY STEEL, .50 INCH LONG, CADMIUM PLATE, TYPE II, CLASS 2, COLOR DULL BLACK.

NAS602-12P = .1640-32 UNJC-3A SCREW, MACHINE, PAN HEAD, CRUCIFORM RECESS, FULL THREAD, ALLOY STEEL, .75 INCH LONG, CADMIUM PLATE, TYPE II, CLASS 2.

REVISION

10

NAS 600-606
SHEET 2



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Full document details: AIA NAS600-606 2014