

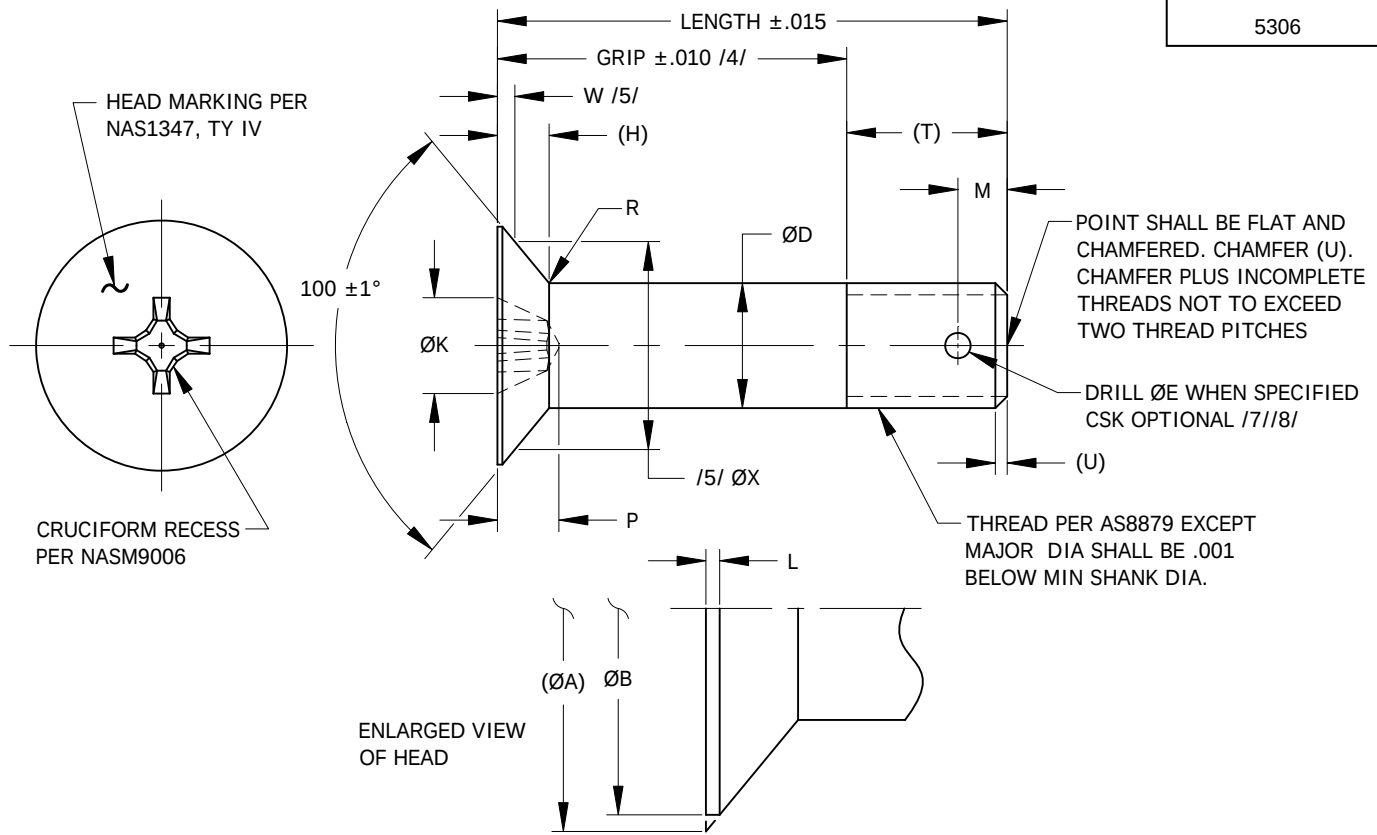
FED. SUPPLY CLASS

5306

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



⑪ TABLE I – DIMENSIONS AND STRENGTH VALUES

BASIC PART NUMBER	THREAD	(ØA)	ØB MIN	ØD	(H)	L ±.005	R RAD	(T)	(U)	ØK	P MAX	ØE /7/ +.010 -.000	M ±.010
NAS1202	.1640-32 UNJC-3A	.337 .328	.280	.1635 .1625	.068	.015	.020 .010	.276	.016	.166 .156	.098	—	—
NAS1203	.1900-32 UNJF-3A	.385 .376	.328	.1895 .1885	.080	.015	.020 .010	.276	.016	.181 .171	.113	.070	.117
NAS1204	.2500-28 UNJF-3A	.507 .497	.449	.2495 .2485	.106	.015	.020 .010	.316	.018	.244 .234	.132	.076	.116
NAS1205	.3125-24 UNJF-3A	.635 .625	.577	.3120 .3110	.133	.015	.025 .010	.375	.021	.314 .304	.165	.076	.119
NAS1206	.3750-24 UNJF-3A	.762 .752	.704	.3745 .3735	.160	.015	.030 .015	.391	.021	.339 .329	.190	.106	.120
NAS1207	.4375-20 UNJF-3A	.890 .880	.832	.4370 .4360	.188	.015	.030 .015	.453	.025	.364 .353	.215	.106	.124
NAS1208	.5000-20 UNJF-3A	1.017 1.007	.959	.4995 .4985	.215	.015	.030 .015	.453	.025	.391 .381	.243	.106	.123
NAS1209	.5625-18 UNJF-3A	1.145 1.135	1.087	.5615 .5605	.242	.015	.030 .015	.511	.028	.421 .411	.273	.141	.124
NAS1210	.6250-18 UNJF-3A	1.272 1.262	1.214	.6240 .6230	.270	.015	.030 .015	.543	.028	.564 .544	.285	.141	.124

REVISION DATE: MARCH 31, 2014

ISSUE DATE: SEPTEMBER 15, 1956

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 11
PROCUREMENT SPECIFICATION NOTED	TITLE BOLT, 100° CLOSE TOLERANCE HEAD AND SHANK, 160,000 PSI, SHORT THREAD	CLASSIFICATION PART STANDARD NAS1202 THRU NAS1210 SHEET 1 OF 4

11 TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

BASIC PART NUMBER	W /5/ HEAD PROTRUSION	ØX /5/ GAGE CIRCLE	Y /1/	Z /2/	RECESS GAGE PENETRATION /3/	ULT TS LBF MIN /8/
NAS1202	.0268 .0240	.2671 .2667	.0045	.0040	.087 .067	1,740
NAS1203	.0290 .0263	.3147 .3143	.0045	.0040	.102 .082	2,490
NAS1204	.0342 .0316	.4245 .4241	.0045	.0030	.115 .095	4,520
NAS1205	.0395 .0370	.5389 .5385	.0045	.0030	.145 .126	7,240
NAS1206	.0450 .0426	.6532 .6528	.0060	.0025	.170 .151	10,950
NAS1207	.0503 .0481	.7676 .7672	.0060	.0025	.195 .176	14,800
NAS1208	.0557 .0537	.8820 .8816	.0060	.0020	.226 .204	19,950
NAS1209	.0611 .0592	.9964 .9960	.0060	.0020	.256 .234	25,300
NAS1210	.0665 .0647	1.1108 1.1104	.0060	.0020	.245 .219	31,950

MATERIAL:

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ALLOY STEEL - 4140 (UNS G41400) PER MIL-S-5626, ~~AMS6349~~ OR AMS6382, 4340 (UNS G43406) PER ~~MIL-S-5000~~, AMS6415 OR AMS6484, OR 8740 (UNS G87400) PER ~~MIL-S-6049~~, AMS6322, AMS6325 OR AMS6327 OR ~~8735 (UNS G87350)~~ MIL-S-6098 OR ~~6150 (UNS G61500)~~ PER MIL-S-8503.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER ~~AMS-H-6875~~ OR AMS2759: 160-180 KSI Ft_u

FINISH:

CADMIUM PLATING PER AMS-QQ-P-416, TYPE II, CLASS 2 OR TYPE I, CLASS 2. TYPE I PLATING DESIGNATED BY "W", SEE CODE. ~~SCREWS WITH CLASS 3 PLATING AND MIL-S-7742 THREAD MAY BE SUPPLIED UNTIL 01 MAY 1978.~~

CODE:

DASH NUMBER DESIGNATES GRIP AND LENGTH (SEE SHEET 4).
"W" AFTER DASH NUMBER DESIGNATES TYPE I PLATING.
"D" AFTER DASH NUMBER DESIGNATES DRILLED SHANK.
IF MORE THAN ONE CODE LETTER IS USED IN ONE PART NUMBER, ARRANGE LETTERS ALPHABETICALLY.

EXAMPLE:

NAS1204-8 = .2500 DIA BOLT, .500 GRIP, TYPE II PLATING.
NAS1205-10 = .3125 DIA BOLT, .625 GRIP, TYPE II PLATING.
NAS1205-10W = .3125 DIA BOLT, .625 GRIP, TYPE I PLATING.
NAS1205-10D = .3125 DIA BOLT, .625 GRIP, DRILLED SHANK, TYPE II PLATING.

REVISION

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NAS1202 THRU NAS1210
SHEET 2



Documents
Document Sharing Hub