

FED. SUPPLY CLASS

5306

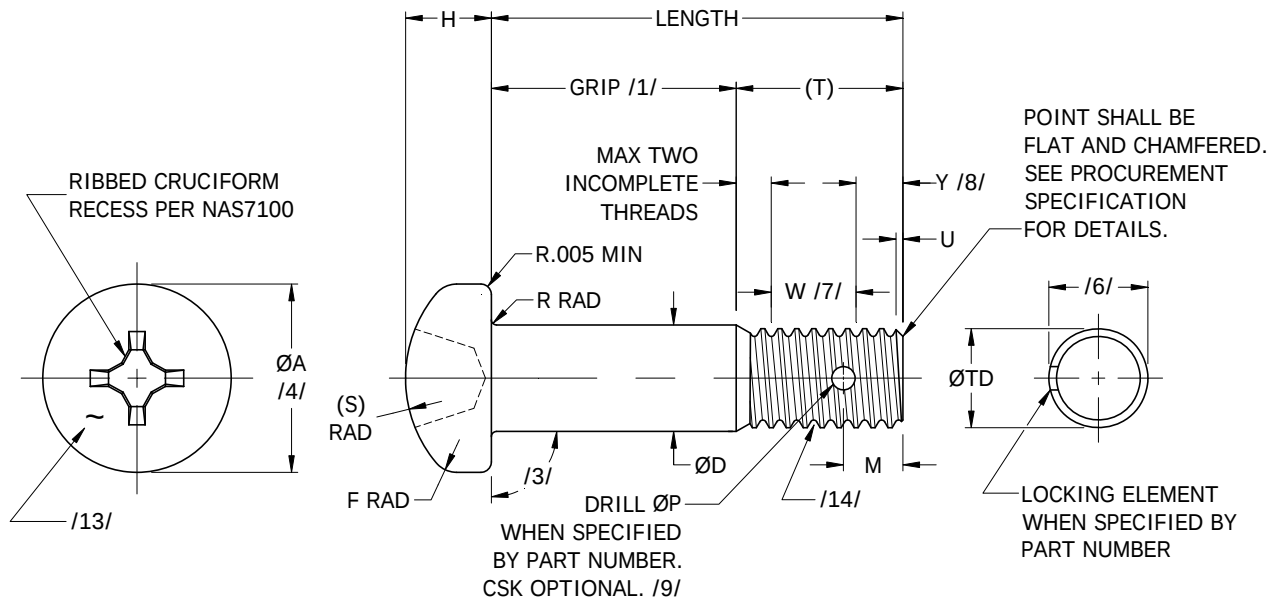


TABLE I – DIMENSIONS

BASIC NUMBER	NOM THREAD SIZE /14/	ØA	ØD				H	M ±.010	ØP +.005 -.000 /9/
			CADIUM PLATE		CHROME PLATE				
			BEFORE PLATE	AFTER PLATE	BEFORE PLATE	BEFORE PLATE			
NAS7700	.1120-40	.219 .205	~~.1107~~ ~~.1099~~	.1115 .1105	.1055 .1045	.1115 .1105	.080 .070	—	—
NAS7701	.1380-32	.270 .256	~~.1367~~ ~~.1359~~	.1375 .1365	.1315 .1305	.1375 .1365	.097 .087	—	—
NAS7702	.1640-32	.322 .306	~~.1627~~ ~~.1619~~	.1635 .1625	.1575 .1565	.1635 .1625	.115 .105	—	—
NAS7703	.1900-32	.373 .357	~~.1887~~ ~~.1879~~	.1895 .1885	.1835 .1825	.1895 .1885	.133 .122	.164	.070
NAS7704	.2500-28	.492 .473	~~.2487~~ ~~.2479~~	.2495 .2485	.2435 .2425	.2495 .2485	.175 .162	.170	.076
NAS7705	.3125-24	.615 .594	~~.3112~~ ~~.3104~~	.3120 .3110	.3060 .3050	.3120 .3110	.218 .203	.182	.076
NAS7706	.3750-24	.740 .716	~~.3737~~ ~~.3729~~	.3745 .3735	.3685 .3675	.3745 .3735	.261 .244	.183	.106

⑤ COMPLETELY REVISED

THIRD ANGLE PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
5

PROCUREMENT SPECIFICATION

NOTED

TITLE
**BOLT, PAN HEAD, CLOSE TOLERANCE,
SHORT THREAD, RIBBED CRUCIFORM RECESS,
ALLOY STEEL, SELF-LOCKING AND NONLOCKING**

⑤

CLASSIFICATION
PART STANDARD

**NAS7700 THRU
NAS7706**
SHEET 1 OF 6

TABLE I – DIMENSIONS

BASIC NUMBER	R RAD	F RAD MIN	(S) RAD	(T) /2/	ØTD	U MAX	W /7/	Y /8/	AA /4/	BB /5/	RECESS SIZE	TORQUE IN-LBF /10/ MIN
NAS7700	.010 .005	.010	.173	.238	.1085 .1065	.031	.125	.075	.0045	.0040	1	–
NAS7701	.010 .005	.015	.207	.276	.1340 .1315	.039	.156	.094	.0045	.0040	2	–
NAS7702	.020 .010	.015	.244	.323	.1595 .1570	.039	.156	.094	.0045	.0040	2	35
NAS7703	.020 .010	.020	.284	.323	.1840 .1810	.039	.156	.094	.0045	.0040	2	50
NAS7704	.020 .010	.035	.373	.370	.2440 .2410	.045	.179	.107	.0045	.0030	3	125
NAS7705	.020 .010	.040	.527	.438	.3060 .3020	.052	.208	.125	.0045	.0030	4	–
NAS7706	.025 .015	.040	.652	.454	.3680 .3640	.052	.208	.125	.0045	.0025	4	–

MATERIAL:

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 AMS6327, AMS6322 OR AMS6325.

LOCKING ELEMENT - PLASTIC PER MIL-DTL-18240 AND QPL-18240.

HEAT TREATMENT:

160-180 KSI Ft_u PER AMS2759.

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.

BLACK BOLT CODE "B" CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2 WITH DULL BLACK CHROMATE TREATMENT.

CHROMIUM PLATE – CHROMIUM PLATE PER AMS-QQ-C-320, CLASS 2 ON SHANK ONLY. ALL OTHER SURFACES CADMIUM PLATED. NO CHROMIUM WITHIN .020 OF LINE OF TANGENCY OF HEAD-TO-SHANK FILLET. CHROMIUM IN THREAD RUNOUT PERMITTED. NOT REQUIRED FOR -1 OR -2 GRIPS.

CODE:

DASH NUMBER INDICATES GRIP IN .0625 INCREMENTS. SEE TABLE II FOR TABULATION OF GRIP AND LENGTH DIMENSIONS.

ADD "B" AFTER BASIC NUMBER FOR BLACK BOLTS. MAY BE USED WITH "D", "L" AND "P" CODES.

ADD "C" AFTER BASIC NUMBER FOR CHROMIUM PLATED BOLTS. MAY BE USED WITH "D", "L" AND "P" CODES.

ADD "D" AFTER BASIC NUMBER FOR DRILLED SHANK. DO NOT USE WITH "L" OR "P" CODE. /11/

ADD "L" AFTER BASIC NUMBER FOR SELF-LOCKING BOLTS, ANY APPROVED OPTIONAL CONFIGURATION (INCLUDING PATCH TYPE – NO METAL REMOVED).

ADD "P" AFTER BASIC NUMBER FOR SELF-LOCKING BOLTS, PATCH TYPE (NO METAL REMOVED).

WHEN MULTIPLE LETTER CODES ARE USED, SEQUENCE MUST BE IN ALPHABETICAL ORDER.

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

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NAS7700 THRU
NAS7706

SHEET 2

⑤ COMPLETELY REVISED



Documents
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