

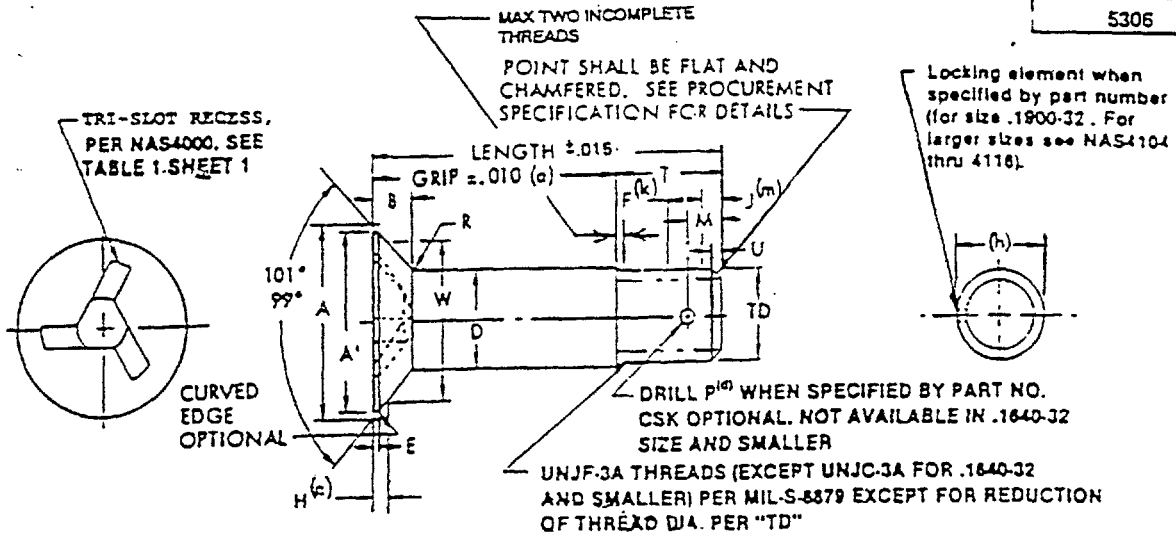


**Aerospace
Industries
Association**

NATIONAL AEROSPACE STANDARD

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FED. SUP CLASS
5306



- ⑧ HEAD MARKING SHALL BE DEPRESSED (.010 MAX) AND ARRANGED AS FOLLOWS:
- FIRST SECTOR - MARK WITH BASIC NUMBER ("NAS" OPTIONAL, EXCEPT MARK .1120-40 SIZE WITH "4", .1380-32 SIZE WITH "6", .1640-32 SIZE WITH "8", AND OPTIONAL .1900-32 SIZE WITH "10".
- SECOND SECTOR - MARK WITH MANUFACTURER'S SYMBOL (SYMBOL LOCATION OPTIONAL IN ANY SECTOR), GRIP NUMBER AND "D", "L", OR "P" WHEN APPLICABLE. "D" IDENTIFIES BOLT WITH DRILLED SHANK. "L" IDENTIFIES BOLT WITH OPTIONAL LOCKING ELEMENT. "P" IDENTIFIES BOLT WITH PATCH TYPE LOCKING ELEMENT ONLY.
- THIRD SECTOR - MARK WITH RECESS DASH NUMBER, ENCIRCLED, RECESS NUMBER SHOULD BE APPROXIMATELY 25% LARGER THAN OTHER NUMERALS IN HEAD MARKING.

TABLE 1 DIMENSIONS (CONTINUED ON SHEET 2)

BASIC NUMBER ..	NOM THREAD SIZE	A DIA MAX (b)	A ABSOL- UTE MIN DIA (b)	B MAX (b)	D DIA				E MAX	TRI-SLOT RECESS NUMBER	H GAGE PROTRUSION (c)	
					BEFORE PLATE		AFTER PLATE				NOM	±TOL
					MAX	MIN	MAX	MIN				
NAS4400	.1120-40	.228	.193	.044	.1107	.1101	.1115	.1105	.010	NAS4000- 2	.0202	.0010
4401	.1380-32	.280	.246	.061	.1387	.1381	.1375	.1365	.010	3	.0232	.0011
4402	.1640-32	.331	.296	.072	.1627	.1621	.1635	.1625	.012	4	.0186	.0012
4403	.1900-32	.381	.338	.082	.1847	.1841	.1825	.1845	.015	5	.0210	.0013
4404	.1900-32	.381	.338	.082	.1847	.1841	.1825	.1845	.015	4	.0210	.0013
4404	.2500-28	.508	.458	.111	.2487	.2481	.2485	.2485	.018	6	.0299	.0015
4405	.3125-24	.635	.575	.133	.3112	.3106	.3120	.3110	.021	7	.0354	.0017
4406	.3750-24	.783	.692	.166	.3757	.3751	.3745	.3735	.025	8	.0414	.0019
4407	.4375-20	.889	.810	.193	.4362	.4356	.4370	.4360	.028	9	.0435	.0021
4408	.5000-20	1.016	.928	.221	.4987	.4981	.4995	.4985	.031	-10	.0496	.0023
4408	.5625-18	1.144	1.047	.248	.5607	.5601	.5615	.5605	.034	-11	.0556	.0025
4410	.6250-18	1.278	1.180	.279	.6232	.6226	.6240	.6230	.038	-12	.0648	.0027
4412	.7500-16	1.531	1.406	.334	.7482	.7476	.7490	.7480	.044	-13	.0738	.0031
4414	.8750-14	1.784	1.644	.390	.8732	.8726	.8740	.8730	.050	-14	.0840	.0035
4416	1.0000-12	2.043	1.882	.448	.9982	.9976	.9990	.9980	.057	-15	.0950	.0039

** The last two digits of the basic number designate the size. See Sheet 3 for "B", "D", "L" and "P" codes. See Sheets 4 and 5 for grip dash numbers.

**INACTIVE FOR NEW DESIGN
AFTER JANUARY 1, 1986
NO SUPERSEDING STANDARD**

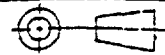
(a), (b) etc: See Notes on Sheet 3.

LIST OF CURRENT SHEETS

NO.	REV.	NO.	REV.
1	8	4	2
2	3	5	1
3	5	6	3

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTION



PROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION

NOTED ON
SHEET 3

**BOLT, 100 DEG. HEAD, TRI-SLOT RECESS,
CLOSE TOLERANCE, ALLOY STEEL, SHORT
THREAD, SELF-LOCKING AND NONLOCKING**

STANDARD PART

NAS 4400 THRU 4416

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APPROVAL DATE Dec. 1968 REVISION 7 5 Dec 1996, 8 9 Nov. 1998

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1230 EYE STREET, N.W.
WASHINGTON, D.C. 20008

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE
SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS
FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

TABLE I DIMENSIONS (CONTINUED)

BASIC NUMBER	F ^(k)	J ^(m)	M ± .010	P ^(d) + .010 - .000	R		T ^(e) REF	TD DIA		U MAX	W GAGE DIA + .0002 - .0000	Y ⁽ⁿ⁾	Z ^(o)
					RAD			MAX	MIN				
					MAX	MIN							
NAS4400	.125	.075	-	-	.012	.005	.238	.1085	.1085	.031	.1740	.0045	.0040
4401	.156	.094	-	-	.012	.005	.276	.1340	.1315	.030	.2208	.0045	.0040
4402	.156	.094	-	-	.020	.010	.323	.1586	.1570	.030	.2830	.0045	.0040
4403	.156	.094	.184	.070	.020	.010	.323	.184	.181	.030	.3270	.0045	.0040
4403J	.156	.094	.184	.070	.020	.010	.323	.184	.181	.030	.3270	.0045	.0040
4404	-	-	.170	.078	.020	.010	.370	.244	.241	.045	.4318	.0045	.0030
4405	-	-	.182	.078	.025	.010	.438	.308	.302	.052	.5448	.0045	.0030
4406	-	-	.183	.106	.030	.015	.454	.388	.384	.052	.8580	.0045	.0025
4407	-	-	.199	.106	.030	.015	.528	.431	.428	.062	.7782	.006	.0025
4408	-	-	.198	.106	.030	.015	.528	.483	.488	.062	.8800	.006	.0020
4409	-	-	.207	.141	.030	.015	.594	.556	.550	.068	1.0026	.006	.0020
4410	-	-	.207	.141	.030	.015	.828	.818	.812	.068	1.1122	.006	.0020
4412	-	-	.222	.141	.030	.015	.888	.743	.737	.078	1.3438	.006	.0020
4414	-	-	.241	.141	.030	.015	.759	.888	.861	.080	1.5730	.006	.0020
4416	-	-	.284	.141	.030	.015	.885	.983	.988	.104	1.8024	.006	.0020

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

③ INACTIVE FOR NEW DESIGN
AFTER JANUARY 1, 1986
NO SUPERSEDING STANDARD

(c), (d), etc: See Notes on Sheet 3.

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NAS 4400 THRU 4416

SH 2
Documents

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