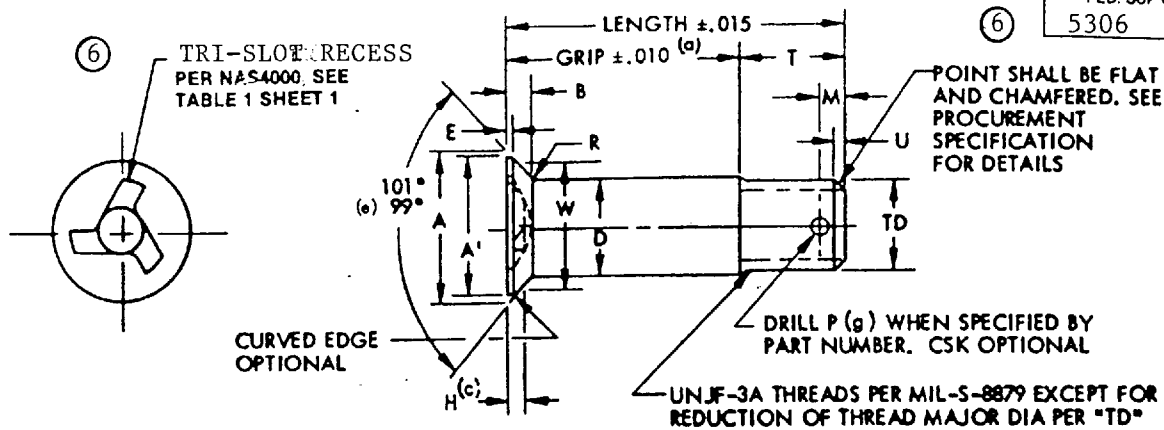


NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N.W., WASHINGTON, D. C. 20036

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FED. SUP CLASS
5306

Head marking shall be depressed (.010 Max) and arranged as follows:

First Sector - Mark with basic number ("NAS" optional), except mark .1900-32 size with "10".

Second Sector - Mark with manufacturer's symbol (symbol location optional in any sector), grip dash number and "D" when applicable.
"D" identifies bolt with drilled shank.

Third Sector - Mark with recess dash number, encircled. Recess number should be approximately 25% larger than other numerals in head marking.

TABLE I 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 (6)	H GAGE PROTRUSION (c)	
					BEFORE PLATE		AFTER PLATE				NOM	±TOL
					MAX	MIN	MAX	MIN				
NAS4703	.1900-32	.303	.266	.049	.1887	.1881	.1895	.1885	.012	NAS4000- 4	.0230	.0013
4704	.2500-28	.397	.355	.063	.2487	.2481	.2495	.2485	.014	- 5	.0255	.0015
4704J	.2500-28	.397	.355	.063	.2487	.2481	.2495	.2495	.014	-4J	.0255	.0015
4705	.3125-24	.477	.429	.071	.3112	.3106	.3120	.3110	.016	- 6	.0280	.0017
4706	.3750-24	.564	.510	.081	.3737	.3731	.3745	.3735	.018	- 7	.0305	.0019
4707	.4375-20	.672	.612	.101	.4362	.4356	.4370	.4360	.020	- 8	.0400	.0021
4708	.5000-20	.755	.688	.109	.4987	.4981	.4995	.4985	.022	- 9	.0408	.0023
4709	.5625-18	.838	.766	.119	.5607	.5601	.5615	.5605	.024	-10	.0463	.0025
4710	.6250-18	.925	.848	.129	.6232	.6226	.6240	.6230	.026	-11	.0400	.0027
4712	.7500-16	1.099	1.010	.150	.7482	.7476	.7490	.7480	.030	-12	.0500	.0031
4714	.8750-14	1.323	1.219	.192	.8732	.8726	.8740	.8730	.034	-13	.0832	.0035
4716	1.0000-12	1.522	1.406	.224	.9982	.9976	.9990	.9980	.038	-14	.0918	.0039

**The last two digits of the basic number designate the size. See Sheets 4 and 5 for grip dash numbers. numbers. See sheet 3 for "D" code.

LIST OF CURRENT SHEETS

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

INACTIVE FOR NEW DESIGN

AFTER JANUARY 1, 1986

NO SUPERSEDING STANDARD

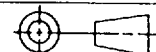
(6) FOR DESCRIPTION OF STATUS NOTES SEE NAS380

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

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT
SPECIFICATIONNOTED ON
SHEET 3

TITLE

(6) BOLT, 100° REDUCED HEAD, TRI-SLOT RECESS,
CLOSE TOLERANCE, ALLOY STEEL, SHORT THREAD
NONLOCKINGTHIRD
ANGLE
PROJECTIONCLASSIFICATION
STANDARD PART

NAS 4703 THRU 4716

Documents

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

TABLE I DIMENSIONS (CONTINUED)

BASIC NUMBER	M ± .010	P ^(d) + .005 - .000	R RAD		Y ^(e) REF	TD DIA		U MAX	W GAGE DIA + .0002 - .0000	Y ^(f)	Z ^(g)
			MAX	MIN		MAX	MIN				
NAS4703	.164	.070	.020	.010	.323	.184	.181	.030	.2438	.0046	.0040
4704	.170	.078	.020	.010	.370	.244	.241	.046	.3312	.0046	.0030
4704J	.170	.078	.020	.010	.370	.244	.241	.046	.3312	.0046	.0030
4705	.182	.078	.025	.010	.438	.308	.302	.062	.4046	.0046	.0030
4706	.183	.108	.030	.015	.464	.308	.304	.062	.4062	.0046	.0025
4707	.190	.108	.030	.015	.528	.431	.428	.082	.5088	.006	.0025
4708	.198	.108	.030	.015	.528	.483	.480	.062	.5488	.006	.0020
4709	.207	.141	.030	.015	.584	.566	.560	.088	.7198	.006	.0020
4710	.207	.141	.030	.015	.628	.618	.612	.088	.8212	.006	.0020
4712	.222	.141	.030	.015	.688	.743	.737	.078	.9700	.006	.0020
4714	.241	.141	.030	.015	.788	.808	.801	.088	1.1122	.008	.0020
4716	.264	.141	.030	.015	.886	.883	.880	.104	1.2884	.008	.0020

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

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

NAS Documents



Document Sharing Hub

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.

AIA/NAS NAS*4703 THRU*4716 85 0318743 0003271 2

APPROVAL DATE Dec. 1988 REVISION ① 16 March 1970 ② 17 Dec. 1979 ③ 15 August 1985