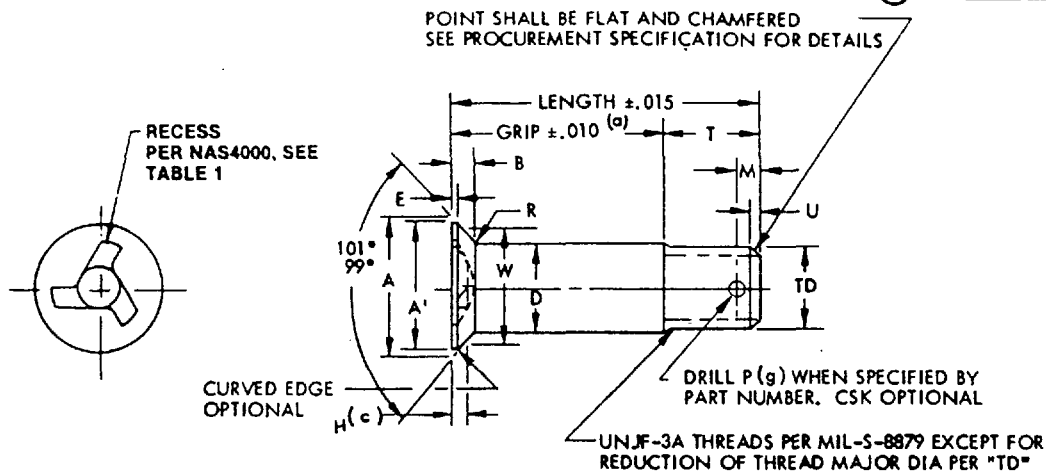


NATIONAL AEROSPACE STANDARD

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". This size also to be marked "C" for A286.
- Second Sector - Mark with manufacturer's symbol (symbol location optional in any sector), grip dash number and "D" when applicable.(h)
"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 1 DIMENSIONS (CONTINUED ON SHEET 2)

BASIC NUMBER ..	NOM THREAD SIZE	A DIA MAX (b)	A' ABSOLUTE MIN DIA (b)	B MAX (b)	D DIA, UNPLATED		D Dia, Plated or Coated				E MAX	TRI-SLOT RECESS NUMBER	H GAGE	
							BEFORE PLATE		AFTER PLATE				PROTRUSION (c)	
					MAX	MIN	MAX	MIN	MAX	MIN			NOM	± TOL
							⑤					⑤		
NAS4803	.1900-32	.303	.266	.049	.1895	.1890	.1887	.1881	.1895	.1885	.012	NAS4000- 4	.0230	.0013
4804	.2500-28	.397	.355	.063	.2495	.2490	.2487	.2481	.2495	.2485	.014	- 5	.0255	.0015
4804J	.2500-28	.397	.355	.063	.2495	.2490	.2487	.2481	.2495	.2485	.014	- 4J	.0255	.0015
4805	.3125-24	.477	.429	.071	.3120	.3115	.3112	.3106	.3120	.3110	.016	- 6	.0280	.0017
4806	.3750-24	.564	.510	.081	.3745	.3740	.3737	.3731	.3745	.3735	.018	- 7	.0305	.0019
4807	.4375-20	.672	.612	.101	.4370	.4365	.4362	.4356	.4370	.4360	.020	- 8	.0400	.0021
4808	.5000-20	.755	.688	.109	.4995	.4990	.4987	.4981	.4995	.4985	.022	- 9	.0408	.0023
4809	.5625-18	.838	.786	.119	.5615	.5610	.5607	.5601	.5615	.5605	.024	- 10	.0463	.0025
4810	.6250-18	.925	.848	.129	.6240	.6235	.6232	.6226	.6240	.6230	.026	- 11	.0400	.0027
4812	.7500-16	1.099	1.010	.150	.7490	.7485	.7482	.7476	.7490	.7480	.030	- 12	.0500	.0031
4814	.8750-14	1.323	1.219	.192	.8740	.8735	.8732	.8726	.8740	.8730	.034	- 13	.0832	.0035
4816	1.0000-12	1.522	1.406	.224	.9990	.9985	.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. See Sheet 3 for "D" and "U" codes.

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

LIST OF CURRENT SHEETS

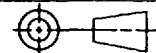
SHEET NO.	REV. NO.
1	5
2	3
3	5
4	2
5	1
6	4

INACTIVE FOR NEW DESIGN
AFTER JANUARY 1, 1986

NO SUPERSEDING STANDARD

⑤ FOR DESCRIPTION OF STATUS NOTES SEE NAS380

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTIONPROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION
STANDARD PARTNOTED ON
SHEET 3

⑤ BOLT, 100° REDUCED HEAD, TRI-SLOT RECESS,
CLOSE TOLERANCE, A286 CRES, SHORT THREAD,
NONLOCKING

NAS 4803 THRU 4816

Documents

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY CONFORMANCE OF ITEMS PRODUCED UNDER NATIONAL AEROSPACE STANDARDS. AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE EXISTENCE OF OR APPLICABILITY THEREOF OF PATENT OR TRADEMARK RIGHTS.

TABLE I DIMENSIONS (CONTINUED)

BASIC NUMBER	M ± .010	p ^(a) + .006 - .000	R		T ^(d) REF	TD DIA		U MAX	W GAGE DIA + .0002 - .0000	Y ^(e)	Z ^(f)
			RAD			MAX	MIN				
			MAX	MIN							
NAS4803	.164	.070	.020	.010	.323	.184	.181	.038	.2438	.0045	.0040
4804	.170	.078	.020	.010	.370	.244	.241	.045	.3312	.0045	.0030
4804J	.170	.078	.020	.010	.370	.244	.241	.045	.3312	.0045	.0030
4805	.182	.078	.025	.010	.438	.308	.302	.062	.4045	.0045	.0030
4806	.183	.106	.030	.015	.454	.368	.364	.062	.4852	.0045	.0025
4807	.188	.106	.030	.015	.528	.431	.428	.082	.5888	.006	.0025
4808	.198	.106	.030	.015	.528	.483	.488	.082	.6488	.006	.0020
4809	.207	.141	.030	.015	.584	.555	.550	.088	.7188	.008	.0020
4810	.207	.141	.030	.015	.628	.518	.512	.088	.8212	.008	.0020
4812	.222	.141	.030	.015	.888	.743	.737	.078	.9700	.008	.0020
4814	.241	.141	.030	.015	.758	.888	.881	.088	1.1122	.008	.0020
4816	.284	.141	.030	.015	.885	.883	.888	.104	1.2884	.008	.0020

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

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

NAS 4803 THRU 4816
 SH 2

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.

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