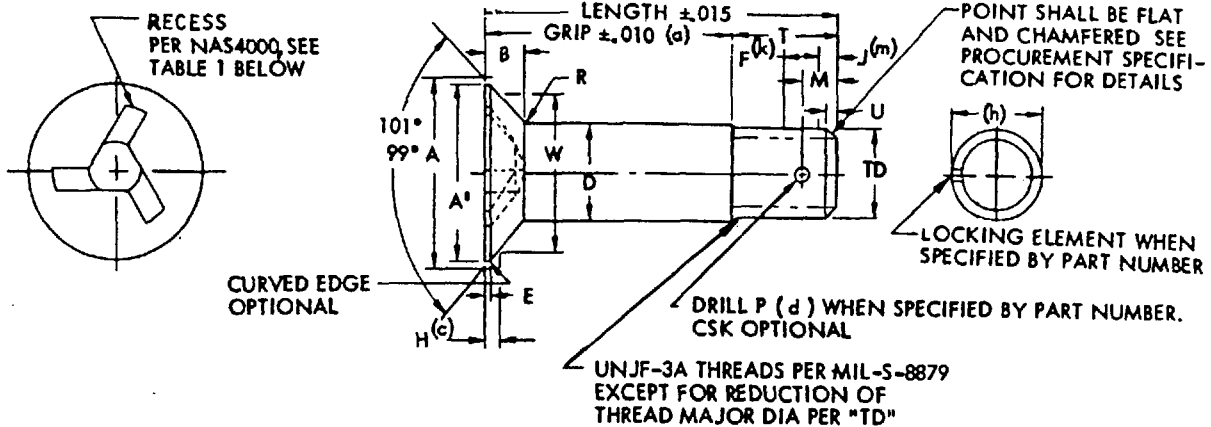


NATIONAL AEROSPACE STANDARD

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).

SECOND SECTOR - MARK WITH MANUFACTURER'S SYMBOL (SYMBOL LOCATION OPTIONAL IN ANY SECTOR), GRIP DASH NUMBER AND "D", "L" OR "P" WHEN APPLICABLE. (1)

"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' ABSO- LUTE MIN DIA (b)	B MAX (b)	D DIA, UNPLATED		D Dia, Plated or Coated				RECESS NUMBER
							BEFORE		AFTER		
					MAX	MIN	MAX	MIN	MAX	MIN	
NAS4204	.2500-28	.508	.456	.111	.2495	.2490	.2487	.2481	.2495	.2485	NAS4000- 6
4205	.3125-24	.635	.575	.138	.3120	.3115	.3112	.3106	.3120	.3110	- 7
4206	.3750-24	.763	.692	.166	.3745	.3740	.3737	.3731	.3745	.3735	- 8
4207	.4375-20	.889	.810	.193	.4370	.4365	.4362	.4356	.4370	.4360	- 9
4208	.5000-20	1.016	.928	.221	.4995	.4990	.4987	.4981	.4995	.4985	-10
4209	.5625-18	1.144	1.047	.249	.5615	.5610	.5607	.5601	.5615	.5605	-11
4210	.6250-18	1.276	1.169	.279	.6240	.6235	.6232	.6226	.6240	.6230	-12
4212	.7500-16	1.531	1.406	.334	.7490	.7485	.7482	.7476	.7490	.7480	-13
4214	.8750-14	1.786	1.644	.390	.8740	.8735	.8732	.8726	.8740	.8730	-14
4216	1.0000-12	2.043	1.882	.446	.9990	.9985	.9982	.9976	.9990	.9980	-15

(4) FOR DESCRIPTION OF STATUS NOTES SEE NAS380

**THE LAST TWO DIGITS OF THE BASIC NUMBER DESIGNATE THE SIZE. SEE SHEET 3 FOR "D" "L", "P" AND "U" CODES. SEE SHEETS 4 AND 5 FOR GRIP DASH NUMBERS.

(a), (b), ETC: SEE NOTES ON SHEET 3.

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

LIST OF CURRENT SHEETS	
SHEET NUMBER	REV NUMBER
1	4
2	3
3	4
4	2
5	1
6	3

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE		THIRD ANGLE PROJECTION
PROCUREMENT SPECIFICATION	TITLE	CLASSIFICATION
NOTED ON SHEET 3	(4) BOLT, 100° HEAD, TRI-SLOT RECESS, CLOSE TOLERANCE, A286 CRES, LONG THREAD, SELF-LOCKING AND NONLOCKING	STANDARD PART
		NAS 4204 THRU 4216 SH 1 OF 6

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TABLE I DIMENSIONS (CONTINUED)

BASIC NUMBER	H GAGE PROTRUSION (c)		W GAGE DIA +.0002 -.0000
	NOM	±TOL	
NAS4204	.0299	.0015	.4318
4205	.0354	.0017	.5449
4206	.0414	.0019	.6580
4207	.0435	.0021	.7782
4208	.0496	.0023	.8900
4209	.0556	.0025	1.0026
4210	.0649	.0027	1.1122
4212	.0738	.0031	1.3438
4214	.0840	.0035	1.5730
4216	.0950	.0039	1.8024

TABLE I DIMENSIONS (CONTINUED)

BASIC NUMBER	E MAX	F(k)	J(m)	M ±.010	P (d) +.010 -.000	R RAD		T(e)	TD DIA		U MAX	y(f)	z(g)
						MAX	MIN		MAX	MIN			
NAS4204	.018	.178	.107	.178	.076	.020	.010	.425	.244	.241	.045	.0045	.0030
4205	.021	.208	.125	.181	.076	.025	.010	.469	.306	.302	.052	.0045	.0030
4206	.025	.208	.125	.197	.106	.030	.015	.578	.368	.364	.052	.0045	.0025
4207	.028	.250	.150	.201	.106	.030	.015	.694	.431	.426	.062	.0060	.0025
4208	.031	.250	.150	.216	.106	.030	.015	.735	.493	.488	.062	.0060	.0020
4209	.034	.278	.167	.218	.141	.030	.015	.840	.555	.550	.068	.0060	.0020
4210	.038	.278	.167	.249	.141	.030	.015	.902	.618	.612	.068	.0060	.0020
4212	.044	.312	.188	.252	.141	.030	.015	1.041	.743	.737	.078	.0060	.0020
4214	.050	.357	.214	.257	.141	.030	.015	1.184	.868	.861	.089	.0090	.0020
4216	.057	.416	.250	.264	.141	.030	.015	1.309	.993	.986	.104	.0090	.0020

- ③ PROCUREMENT SPECIFICATION: NAS4003. Except as noted.
Locking element for self-locking bolts: Per MS15981 and MIL-F-18240, any type or configuration including patch type, is optional when "L" code is specified. Patch type locking element (with no metal removed) is required when "P" code is specified.
Locking element must be supplied by a qualified source listed in QPL18240 or approved for listing in QPL18240. Shipping notice should identify supplier of bolt and locking element separately.

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(c), (d), ETC: SEE NOTES ON SHEET 3.

NAS 4204 THRU 4216

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Full document details: AIA NAS4204-4216 1996

29 March 1996

15 August 1985

16 March 1970

REVISION 1

APPROVAL DATE Dec. 1968

Documents

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