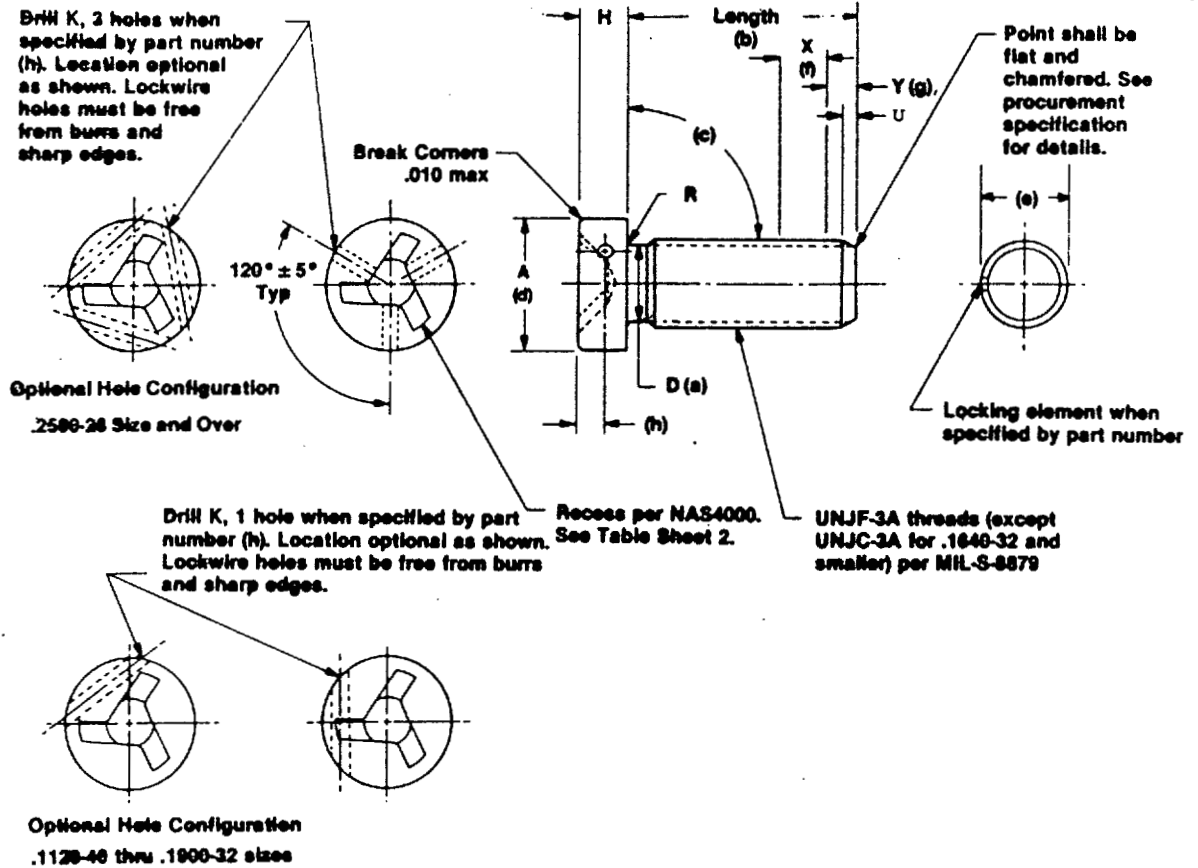


AIA/NAS NAS*5500 THRU*5506 94 0318743 0502123 562

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1250 EYE STREET, N.W.
WASHINGTON, D.C. 20005

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.



Head marking shall be raised or depressed (.010 max) and arranged as follows:

- First Sector** - Mark with basic part 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". These sizes also to be marked "V" for Titanium.
- Second Sector** - Mark with manufacturer's symbol or trademark (symbol location optional in any sector), length dash number and "L" or "P" when applicable. (j)
"L" identifies screws with optional locking element.
"P" identifies screws 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.

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

(a), (b), etc: See Sheet 3

LIST OF CURRENT SHEETS

SHT.	REV.
1	6
2	5
3	3

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE		THIRD ANGLE PROJECTION
PROCUREMENT SPECIFICATION NOTED ON SHEET 3	TITLE SCREW, MACHINE-FLAT FILLISTER HEAD, FULL THREAD, TRI-SLOT RECESS, TITANIUM ALLOY 6AL-4V, SELF-LOCKING AND NONLOCKING	CLASSIFICATION STANDARD PART
		NAS5500 THRU 5506 SHEET 1 OF 3

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 PROCURED UNDER NATIONAL AEROSPACE STANDARDS. AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF ITEMS FOR ANY PARTICULAR APPLICATION, OR (2) THE EXISTENCE OF OR APPLICABILITY THERETO OF PATENT OR TRADEMARK RIGHTS.

NATIONAL AEROSPACE STANDARD

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Basic Number	Nom Thread Size	(d) A Dia	(a) D Dia	H	K Dia	R Rad	U Max	X (f)	Y (g)	Recess Number
NAS5500	.1120-40	.183 .178	.1120 .0939	.069 .059		.020	.031	.125	.075	NAS4000-2
NAS5501	.1380-32	.228 .221	.1380 .1156	.088 .074	.034	.010				NAS4000-3
NAS5502	.1640-32	.270 .265	.1640 .1415	.102 .088	.042		.039	.156	.094	NAS4000-4
NAS5503	.1900-32	.313 .306	.1900 .1674	.118 .103		.040				NAS4000-5
NAS5503J	.1900-32	.313 .306	.1900 .1674	.118 .103		.030				NAS4000-4J
NAS5504	.2500-28	.375 .367	.2500 .2243	.150 .133			.045	.179	.107	NAS4000-6
NAS5505	.3125-24	.438 .429	.3125 .2827	.183 .162	.060 .068					NAS4000-7
NAS5506	.3750-24	.583 .552	.3750 .3450	.215 .191		.050 .040	.052	.208	.125	NAS4000-8

TABLE II PREFERRED LENGTHS

Dash Numbers	3	4	5	6	7	8	9	10	11	12	13	14	
Length	.19	.25	.31	.38	.44	.50	.56	.62	.69	.75	.81	.88	
Length Tol	+ .00, - .03												
Dash Numbers	15	16	18	20	22	24	26	28	30	32	34 to 96		
Length	.94	1.00	1.12	1.25	1.38	1.50	1.62	1.75	1.88	2.00	2.12 to 6.00		
Length Tol	+ .00, - .03		+ .00, - .06									+ .00, - .09	

MATERIAL: 6AL-4V Titanium per AMS 4928 or AMS 4967. Locking Element - Plastic per MIL-F-18240 and QPL-18240.**HEAT TREAT:** 160 to 180 KSI ultimate tensile**FINISH:** Unplated Screws - None

Plated Screws - Cadmium plate per QQ-P-416, Type II, Class 2 except a nickel strike may be used prior to cadmium plating. Parts plated to Class 3 may be used until stock depleted. Embrittlement test per QQ-P-416 does not apply. Cadmium plated 6AL-4V titanium alloy screws shall be identified with red dye or paint on the thread end. Maximum coverage may include the chamfer plus one incomplete thread.

Coated Screws - Aluminum coating per NAS4006.

(a), (b), etc: See Sheet 3

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Documents
NAS 5500 THRU 5506
Document Sharing Hub
SH 2