

FED. SUPPLY CLASS

5310

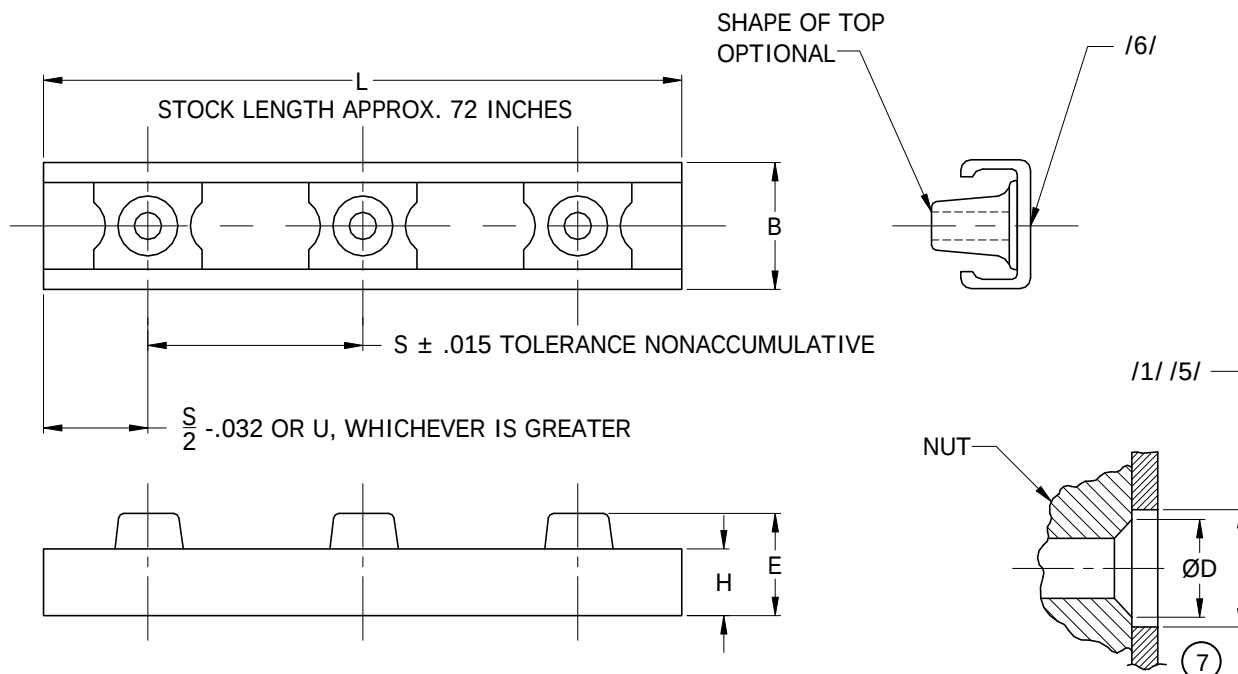


TABLE I - DIMENSIONS ⁷

BASIC PART NUMBER	NUT TYPE CODE					THREAD T	B MAX	E MAX /2/	ØD +.020 -.010	H MAX	U MIN	S MIN /4/
	NYLON INSERT		ALL METAL									
	ALUM ALLOY ASSY 250°F	STEEL NUT ALUM CHANNEL 250°F	STEEL NUT ALUM CHANNEL 250°F	STEEL NUT GRES CHANNEL 450°F	GRES ASSY 800°F							
NAS1034	D	N	P	A	E	.1640-32 UNJC-3B	.422	.312	.183	.270	.343	.625
NAS1035	D	N	P	A	E	.1900-32 UNJF-3B	.422	.312	.210	.270	.343	.625
NAS1036	D	N	P	A	E	.2500-28 UNJF-3B	.516	.387	.273	.270	.406	.750
NAS1037	D	N	P	A	E	.3125-24 UNJF-3B	.648	.387	.336	.280	.469	.750
NAS1038	D	N	P	A	E	.3750-24 UNJF-3B	.726	.479	.398	.290	.562	1.000

THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

NASM25027
EXCEPT AS NOTED

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

**NUT ASSEMBLY, SELF-LOCKING,
GANG CHANNEL, REGULAR HEIGHT, NON-CSK**

REVISION

7

CLASSIFICATION
PART STANDARD

NAS1034-1038 2014
SHEET 1 OF 3

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

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

FORM 12-01

REVISION DATE: SEPTEMBER 19, 2014

ISSUE DATE: JULY 1956

MATERIAL:

SEE SPECIFICATION NASM25027.

FINISH:

~~STEEL CODES CONTAINING "X" OR "N" CADMIUM PLATE. "A" CODE:~~

~~CADMIUM PLATE PLUS AN APPROVED DRY SURFACE TREAT LUBRICANT. PLATING SHALL BE QQ-P-416, TYPE II, CLASS 2. EXISTING NUTS WITH AN OPTIONAL TYPE AND CLASS OF CADMIUM PLATE PER QQ-P-416, AS PREVIOUSLY PERMITTED MAY BE FURNISHED UNTIL 16 DEC. 1976.~~

~~CRES — SILVER PLATE FOR 800 °F USE PER NASM25027, TO A .0002 MINIMUM THICKNESS ON SURFACES WHICH CAN BE TOUCHED BY A .7500 (3/4 INCH) BALL. THREADS SHALL SHOW COMPLETE COVERAGE, BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED.~~

ALUMINUM ALLOY - ANODIZE OR CHEMICAL FILM PER NASM25027, EXCEPT ANODIZE SHALL BE LIMITED TO TYPE I OR TYPE II.

EXAMPLE OF PART NUMBER:

~~NAS1035A12-8 = NUT — STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F — ALL METAL~~
~~NUT — CORROSION RESISTANT STEEL CHANNEL — 1.500 INCH SPACING — 8 NUTS LONG.~~
~~NAS1035N4-16 = NUT — STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F — NYLON INSERT~~
~~NUT — ALUMINUM CHANNEL — .500 INCH SPACING — 16 NUTS LONG.~~
~~NAS1035P10 = NUT — STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F — ALL METAL NUT —~~
~~ALUMINUM CHANNEL — 1.250 INCH SPACING — STOCK LENGTH WITH 57 NUTS~~
~~NAS1035AX12-8 = NUT — STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F — ALL METAL~~
~~NUT WITHOUT LUBRICANT — CORROSION RESISTANT STEEL CHANNEL — 1.500 INCH~~
~~SPACING — 8 NUTS LONG.~~
~~NAS1035D12-8 = NUT - ALUMINUM ALLOY WITH .1900-32 THREAD FOR USE UP TO 250 °F — NYLON~~
~~INSERT — 1.250 INCH SPACING - 8 NUTS LONG.~~
~~NAS1035NX4-16 = NUT — STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F — NYLON INSERT~~
~~NUT WITHOUT LUBRICANT — ALUMINUM CHANNEL — .500 INCH SPACING, 16 NUTS LONG.~~
~~NAS1035PX10 = NUT — STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F — ALL METAL NUT WITHOUT~~
~~LUBRICANT — ALUMINUM CHANNEL — 1.250 INCH SPACING — STOCK LENGTH WITH 57~~
~~NUTS.~~

NOTES:

- /1/ FLOAT OF NUT PORTION OF ASSEMBLY SHALL NOT BE LESS THAN .030 INCHES OR MORE THAN .040 INCHES LONGITUDINALLY, AND SHALL NOT BE LESS THAN .010 INCHES OR MORE THAN .030 INCHES Laterally FROM THE CENTERED POSITION. MAXIMUM VERTICAL FLOAT WITHIN THE HOUSING .020 FOR .1900 SIZE AND SMALLER, .030 FOR .2500 SIZE AND LARGER. NUT BODY SHALL BE CAPABLE OF ENGAGEMENT WITH A BOLT IN THE MAXIMUM MISALIGNED POSITION.
- /2/ MINIMUM WIDTH AND HEIGHT OF NUT LIMITED ONLY BY THE STRENGTH REQUIREMENT OF THE SPECIFICATION.
- (3) SHAPE OF NUT AND HOUSING OPTIONAL WITHIN THE LIMITS SPECIFIED. METHOD OF RETAINING NUTS OPTIONAL. THE ASSEMBLY SHALL PROVIDE A BEARING SURFACE FOR THE NUT WITHIN THE HOUSING. THE CENTERLINE OF THE CHANNEL SHALL NOT DEVIATE FROM A STRAIGHT LINE BY MORE THAN .015 IN ANY 12 INCHES.
- /4/ NUT SPACING CODE FOLLOWS NUT TYPE CODE.
ADDITIONAL CODE SEPARATED BY A DASH MAY BE ADDED TO THE PART NUMBER TO SPECIFY THE NUMBER OF NUTS WHERE PARTS LESS THAN STOCK LENGTH (APPROX. 72 INCHES) ARE DESIRED. INSERT "X" IN ADDITION TO "A", "N" OR "P" FOR PLATED STEEL NUTS WITHOUT LUBRICANT.
- /5/ HOLE IN HOUSING TO PROVIDE FOR FULL FLOAT OF NUT.

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SHEET 2



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Full document details: AIA NAS1034-1038 2014