

FED. SUPPLY CLASS

5310

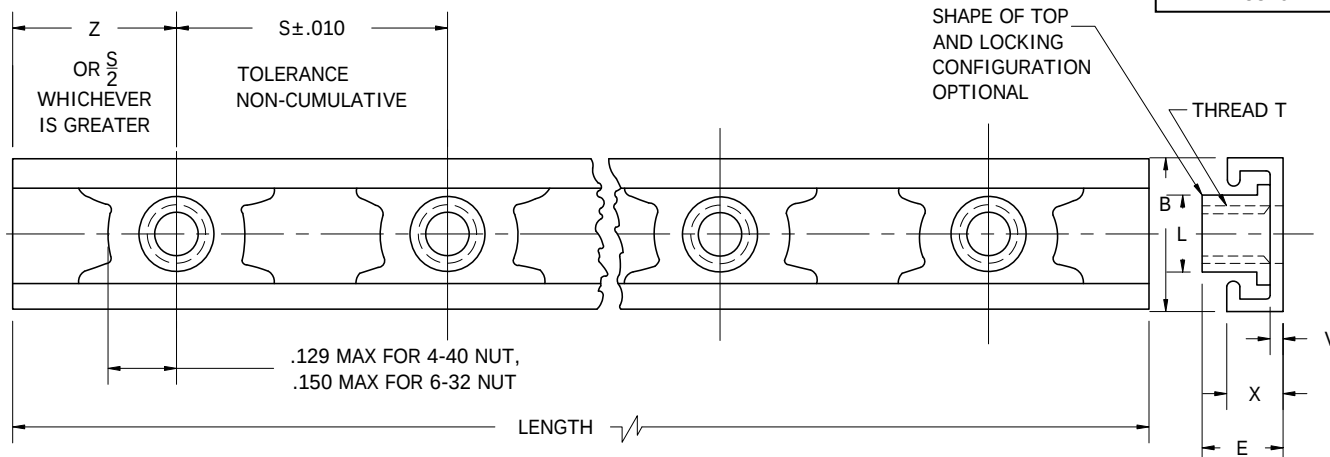


TABLE I – DIMENSIONS

BASIC PART NO.	TYPE CODE LETTER		THREAD T /2/	B MAX		E MAX	
	250 °F AL ALLOY CHANNEL ALL METAL NUT	450 °F CRES CHANNEL ALL METAL NUT		AL ALLOY	CRES	AL ALLOY	CRES
NAS1512	P	A	.1120-40 UNJC-3B	.316	.300	.160	.152
NAS1513			.1380-32 UNJC-3B	.350	.350	.185	.178

THREAD T /2/	(ØL)	MIN S NUT SPACING	V ±.005		X MAX		Z ±.015
			AL ALLOY	CRES	AL ALLOY	CRES	
.1120-40 UNJC-3B	.145	.500	.025	.012	.100	.072	.312
.1380-32 UNJC-3B	.175	.625	.025	.018	.155	.141	.375

MATERIAL: SEE PROCUREMENT SPECIFICATION.
NUT - STEEL.
CHANNEL - ALUMINUM ALLOY.
- CORROSION RESISTANT STEEL.

FINISH: STEEL - CADMIUM PLATE PER AMS-QQ-P-416 PLUS AN APPROVED DRY FILM LUBRICANT.
TYPE AND CLASS OF PLATING IS OPTIONAL IF LUBRICATED NUTS WILL MEET THE SALT SPRAY REQUIREMENTS OF AMS-QQ-P-416, TYPE II.

ALUMINUM ALLOY - ANODIZE PER MIL-A-8625, TYPE I OR CHEMICAL SURFACE TREAT PER MIL-DTL-5541.

④ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4
PROCUREMENT SPECIFICATION NOTED	TITLE NUT ASSEMBLY, SELF-LOCKING, GANG CHANNEL, LOW HEIGHT, CBORE, MINIATURE	CLASSIFICATION PART STANDARD
		NAS1512-1513 SHEET 1 OF 3

LUBRICANT: MOLYBDENUM DISULFIDE ON NUT ELEMENTS (SEE CODE).

CODE: BASIC NUMBER = NUT THREAD SIZE.

1ST DASH NO. PREFIXED BY: P = ALL METAL NUT, AL ALLOY CHANNEL, 250 °F MAX.

A = ALL METAL NUT, CRES CHANNEL, 450 °F MAX.

ADD "X" AFTER PREFIX LETTER TO SPECIFY PARTS WITHOUT MOLYBDENUM DISULFIDE OR ANY OTHER LUBRICANT.

1ST DASH NO. = NUT SPACING (SEE TABLE II).

2ND DASH NO. = NO. OF NUTS IN STRIP (NOT TO EXCEED MAX SHOWN IN TABLE II).

OMISSION OF 2ND DASH NO. INDICATES STOCK LENGTH STRIP APPROXIMATELY 72 INCHES LONG.

EXAMPLES OF PART NUMBERS:

NAS1512P45-28 = .1120-40 GANG CHANNEL, ALL METAL STEEL NUT WITH MOLYBDENUM DISULFIDE, ALUMINUM ALLOY CHANNEL, .550 NUT SPACING, 28 NUTS.

NAS1513AX65 = .1380-32 GANG CHANNEL, ALL METAL STEEL NUT WITHOUT LUBRICANT, CRES CHANNEL, .800 NUT SPACING, APPROXIMATELY 72 INCHES LONG.

NOTES: (1) MIN "E" NOT SPECIFIED, LIMITED ONLY BY STRENGTH REQUIREMENTS OF SPECIFICATION.

/2/ THREADS IN ACCORDANCE WITH AS8879 BEFORE LUBRICATION.

~~THREADS IN ACCORDANCE WITH MIL-S-7742 ARE ACCEPTABLE UNTIL 31 DECEMBER 1969.~~

(3) THE CENTERLINE OF THE CHANNEL SHALL NOT DEVIATE FROM A STRAIGHT LINE BY MORE THAN .015 IN ANY 12 INCHES.

(4) THE ASSEMBLY SHALL PROVIDE A BEARING SURFACE FOR THE NUT WITHIN THE HOUSING.

(5) MINIMUM TOTAL FLOAT OF NUT SHALL BE .020 Laterally AND .040 LONGITUDINALLY. NUT BODY SHALL BE CAPABLE OF ENGAGEMENT WITH A BOLT IN THE MAXIMUM MISALIGNMENT POSITION.

(6) THE NUT AND BASE PORTION OF THE ASSEMBLY SHALL FORM ONE INTEGRAL UNIT.

(7) DIMENSIONS IN INCHES.

(8) DIMENSIONS APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICANT UNLESS OTHERWISE SPECIFIED.

(9) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

(10) REMOVE ALL BURRS AND SHARP EDGES.

(11) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.

(12) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

(13) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

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REVISION

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NAS1512-1513
SHEET 2



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