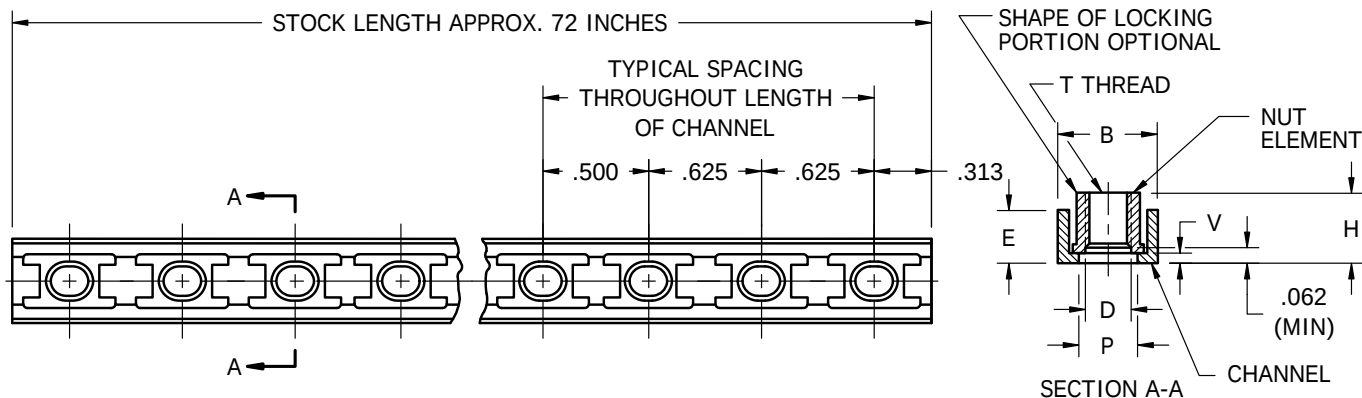


FED. SUPPLY CLASS

5310



NONACCUMULATIVE POSITION TOLERANCE FOR NUT ELEMENT SPACING SHALL BE $\pm .010$.

TABLE I – DIMENSIONS

THREAD SIZE DASH NO.	T THREAD /1/	B MAX	D MIN	H MAX /2/	P /5/		V MAX	AXIAL STRENGTH LBF MIN	WEIGHT (MAX)			(E)
					MAX	MIN			NUT ELEMENTS LBS/100	ALUMINUM CHANNEL LBS/INCH	CRES CHANNEL LBS/INCH	
3	.1900-32 UNJF-3B	.416	.194	.250	.270	.210	.035	2,460	.20	.0028	.0071	.188

MATERIAL:

NUT ELEMENT:

CARBON STEEL, 1035 (UNS G10350), 1040 (UNS G10400), AND 1050 (UNS G10500) PER QQ-S-635 ASTM A827/A827M: 1042 (UNS G10420), PER ASTM A29/A29M.

ALLOY STEEL, GRADES 4130 (UNS G41300), 4340 (UNS G43400) AND 8740 (UNS G87400) PER ASTM A29/A29M.

CHANNEL:

321 CRES (UNS S32100), OR 2024 ALUMINUM ALLOY (UNS A92024) WHEN SPECIFIED.

HEAT TREATMENT:

NUT ELEMENTS SHALL HAVE A MAXIMUM HARDNESS OF 49 HRC.

FINISH:

NUT ELEMENTS – CADMIUM PLATED IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.
CHANNEL – CRES, PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.
ALUMINUM, SEE PROCUREMENT SPECIFICATION.

① COMPLETELY REVISED

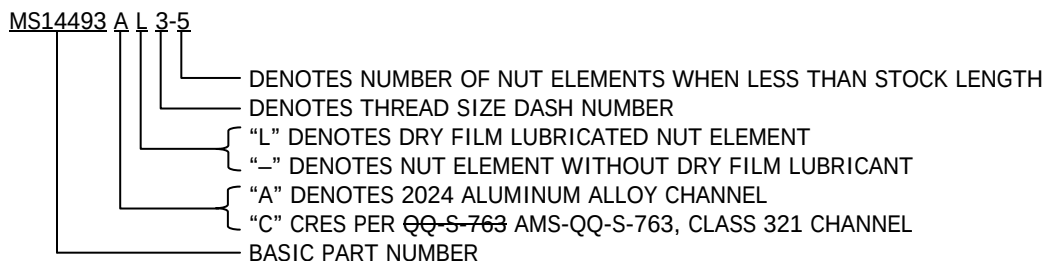
THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS14493. PART NUMBERS REMAIN MS14493.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, CHANNEL, FLOATING, CARBON STEEL, 125 KSI Ft_u	CLASSIFICATION PART STANDARD
		NASM14493 SHEET 1 OF 3

LUBRICATION:

DRY FILM LUBRICANT, ON NUT ELEMENT PER ~~MIL-L-8937~~ AS5272, TYPE I (WHEN SPECIFIED).

EXAMPLES OF PART NUMBER:



MS14493CL3 = NUT, SELF LOCKING, CRES CHANNEL, DRY FILM LUBRICATED NUT ELEMENT, .1900-32 UNJF-3B THREAD, STOCK LENGTH.

MS14493A4-10 = NUT, SELF LOCKING, ALUMINUM CHANNEL, NUT ELEMENT WITHOUT DRY FILM LUBRICANT, .2500-28 UNJF-3B THREAD, 10 NUT ELEMENTS.

NOTES:

- /1/ THREADS PER AS8879.
- /2/ "H" MAX APPLIES TO NUT ELEMENT AND CHANNEL. MIN "H" NOT SPECIFIED, LIMITED ONLY BY STRENGTH REQUIREMENTS OF PROCUREMENT SPECIFICATION.
- (3) FLOAT OF NUT ELEMENT PORTION OF ASSEMBLY SHALL BE NOT LESS THAN .030 NOR MORE .040 LONGITUDINALLY AND NOT LESS THAN .010 NOR MORE THAN .030 LATERALLY FROM CENTERED POSITION. NUT ELEMENT SHALL BE CAPABLE OF ENGAGEMENT WITH A BOLT IN THE MAXIMUM MISALIGNMENT POSITION.
- (4) THE CHANNEL SHALL PROVIDE A BEARING SURFACE FOR THE NUT ELEMENT WITHIN THE HOUSING. THE CENTERLINE OF THE CHANNEL SHALL NOT DEVIATE FROM A STRAIGHT LINE BY MORE THAN .015 PER 12 INCHES. THE NUT ELEMENT AND BASE SHALL FORM ONE INTEGRAL UNIT.
- /5/ HOLE IN CHANNEL MUST PROVIDE FOR FULL FLOAT OF NUT ELEMENT BUT NEED NOT BE CIRCULAR.
- (6) SURFACE ROUGHNESS: SHALL NOT EXCEED 125 MICROINCHES Ra PER ASME B46.1.
- (7) REMOVE ALL BURRS AND SHARP EDGES.
- (8) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (9) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (10) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.