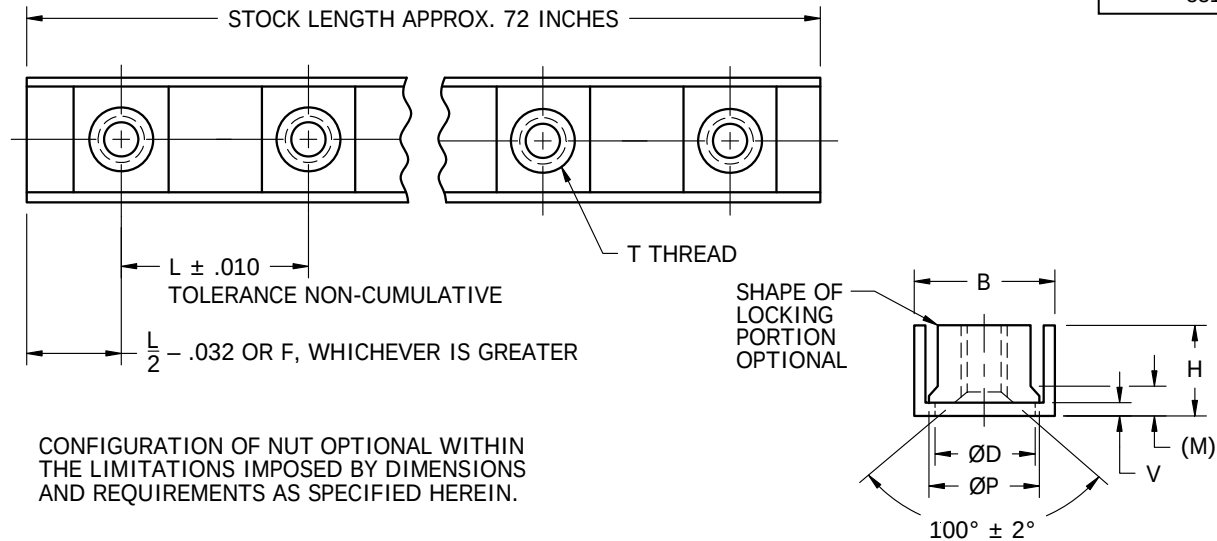


FED. SUPPLY CLASS

5310



CONFIGURATION OF NUT OPTIONAL WITHIN THE LIMITATIONS IMPOSED BY DIMENSIONS AND REQUIREMENTS AS SPECIFIED HEREIN.

TABLE I – DASH NUMBERS AND DIMENSIONS

FIRST DASH NO.	NON-DRY FILM LUBT	DRY FILM LUBT	T THREAD SIZES	B MAX	ØD MIN	F MIN	H MAX /6/	L MIN SPACING AVAILABLE	(M)	ØP /7/		V MAX	AXIAL STRENGTH LBF MIN	WEIGHT	
										MAX	MIN			NUT ELEMENTS LBS/100	CHANNEL LBS/INCH
-08		L08	.1640-32 UNJC-3B	.593	.360	.406	.272	.750	.084	.491	.385	.035	1,720	.24	.0038
-3		L3	.1900-32 UNJF-3B	.593	.406	.406	.281	.750	.093	.491	.431	.035	2,460	.26	.0038
-4		L4	.2500-28 UNJF-3B	.874	.535	.562	.340	1.000	.107	.620	.560	.045	4,580	.60	.0052

MATERIAL:

NUT ELEMENT:

CARBON STEEL, COMPOSITION 1035 (UNS G10350), 1040 (UNS G10400), AND 1050 (UNS G10500), IN ACCORDANCE WITH ASTM A29/A29M, ASTM A827/A827M, OR QQ-S-700 AMS-QQ-S-700; 1042 (UNS G10420), IN ACCORDANCE WITH ASTM A29/A29M.

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

CHANNEL: ALUMINUM ALLOY 2024, TEMPER T4 (UNS A92024) IN ACCORDANCE WITH QQ-A-250/4 AMS-QQ-A-250/4.

ALUMINUM ALLOY 7075, TEMPER T6 (UNS A97075), IN ACCORDANCE WITH QQ-A-250/12 AMS-QQ-A-250/12 OR QQ-A-250/13 AMS-QQ-A-250/13 (ALCAD).

HEAT TREATMENT:

NUT ELEMENTS SHALL HAVE A HARDNESS OF 49 HRC, MAX.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21066, REVISION G. PART NUMBERS REMAIN MS21066.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, GANG CHANNEL, 100° CSK, FLOATING, LOW HEIGHT, STEEL, 125 KSI F_{tu}, 250 °F	CLASSIFICATION PART STANDARD
		NASM21066 SHEET 1 OF 4

FINISH:

NUT ELEMENTS – CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2. DRY FILM LUBRICATED NUT ELEMENTS IN ACCORDANCE WITH AMS-QQ-P-416, TYPE AND CLASS ARE OPTIONAL IF THE NUT ELEMENTS WILL MEET THE SALT SPRAY REQUIREMENTS OF AMS-QQ-P-416, TYPE II.

CHANNEL – IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

LUBRICATION:

DRY FILM LUBRICANT ON NUT ELEMENT ONLY, APPROVED IN ACCORDANCE WITH ~~MIL-DTL-25027~~ NASM25027.

NON-DRY FILM LUBRICANTS SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN ~~MIL-S-8802~~ AMS-S-8802.

CODE:

THE PART NUMBER SHALL CONSIST OF THE BASIC PART NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I AND TABLE II AND A THIRD DASH NUMBER, IF SPECIFIED.

FIRST DASH NUMBER DESIGNATES THREAD SIZE.

SECOND DASH NUMBER DESIGNATES NUT ELEMENT SPACING IN EIGHTHS OF AN INCH.

THIRD DASH NUMBER INDICATES NUMBER OF NUT ELEMENTS WHEN LESS THAN STOCK LENGTH (APPROX 72 INCHES) IS DESIRED.

LETTER "L" BEFORE FIRST DASH NUMBER DESIGNATES DRY FILM LUBRICATED NUT ELEMENTS.

EXAMPLES OF PART NUMBER:

MS21066 -3-6 = NUT, SELF-LOCKING GANG CHANNEL, 100° CSK, FLOATING, LOW HEIGHT, STEEL; 125 KSI F_{tu}, 250 °F; GANG CHANNEL ASSEMBLY CONSISTING OF NINETY-SIX, .1900-32 UNJF-3B, CADMIUM PLATED NUT ELEMENTS SPACED AT .750 INCHES.



MS21066L4-7-10 = NUT, SELF-LOCKING GANG CHANNEL, 100° CSK, FLOATING, LOW HEIGHT, STEEL; 125 KSI F_{tu}, 250 °F; GANG CHANNEL ASSEMBLY CONSISTING OF TEN .2500-28 UNJF-3B, CADMIUM PLATED DRY FILM LUBRICATED NUT ELEMENTS, SPACED AT .875 INCHES.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) 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.

① COMPLETELY REVISED

REVISION
1
NASM21066
SHEET 2

