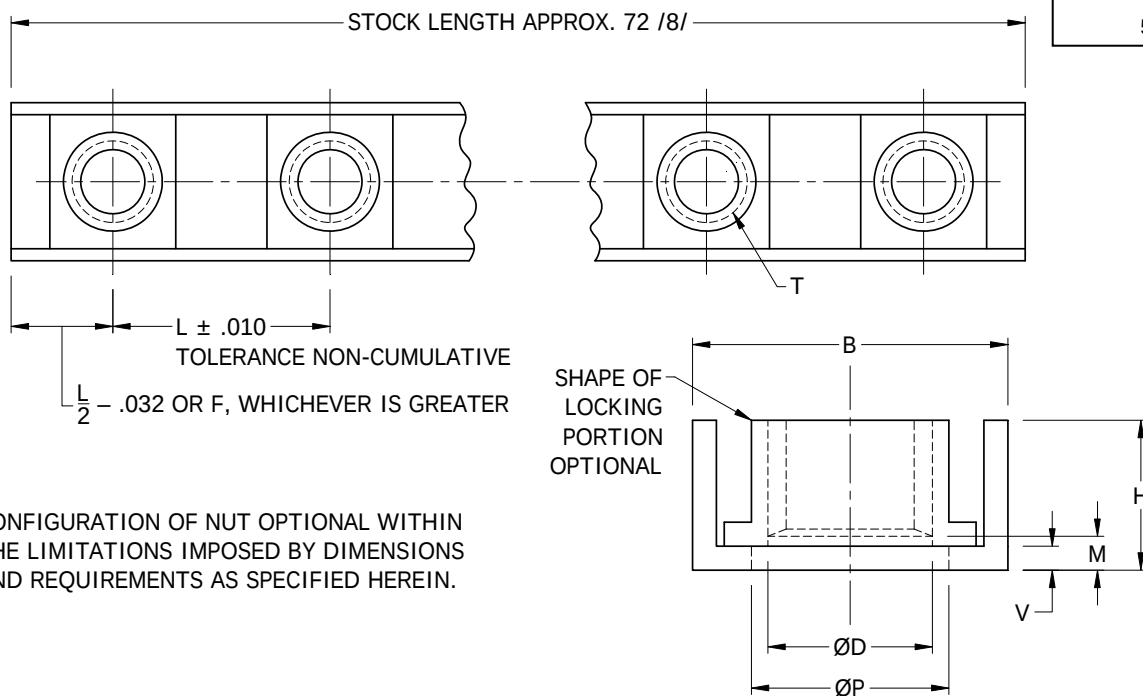


FED. SUPPLY CLASS

5310



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

TABLE I – DIMENSIONS AND STRENGTH VALUES

FIRST DASH NUMBER		T THREAD SIZES /11/	B		ØD	F	H /15/	L SPACING AVAILABLE	M
NON-DRY FILM LUBRICANT	DRY FILM LUBRICANT		MAX	MIN					
-08	L08	.1640-32 UNJC-3B	.416	.168	.343	.250	.625	.062	.062
-3	L3	.1900-32 UNJF-3B	.416	.194	.343	.250	.625	.062	.062
-4	L4	.2500-28 UNJF-3B	.516	.254	.406	.281	.750	.062	.062
-5	L5	.3125-24 UNJF-3B	.609	.317	.469	.328	.875	.062	.062
-6	L6	.3750-24 UNJF-3B	.726	.379	.562	.344	1.000	.062	.062

2 TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

FIRST DASH NUMBER		ØP /16/		V	AXIAL STRENGTH LBF	WEIGHT	
NON-DRY FILM LUBRICANT	DRY FILM LUBRICANT	MAX	MIN			NUT ELEMENTS LBS/100	CHANNEL LBS/INCH
-08	L08	.270	.184	.035	1,720	.19	.0028
-3	L3	.270	.210	.035	2,460	.20	.0028
-4	L4	.330	.270	.045	4,580	.43	.0032
-5	L5	.393	.333	.045	7,390	.64	.0053
-6	L6	.455	.395	.055	11,450	1.08	.0073

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21063, REVISION H, AMENDMENT 3. PART NUMBERS REMAIN MS21063.

THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
2

PROCUREMENT
SPECIFICATION

TITLE
**NUT, SELF-LOCKING GANG CHANNEL,
FLOATING, LOW HEIGHT, STEEL,
125 KSI Ft_u, 250 °F**

CLASSIFICATION
PART STANDARD

NASM25027

NASM21063
SHEET 1 OF 4

TABLE II – DIMENSIONS

SECOND DASH NUMBER	L NUT ELEMENT SPACING	MAX NUMBER OF NUT ELEMENT(S)
5	.625	115
6	.750	96
7	.875	82
8	1.000	72
9	1.125	64
10	1.250	57
11	1.375	52
12	1.500	48
13	1.625	44
14	1.750	41
15	1.875	38
16	2.000	36
18	2.250	32
20	2.500	28
24	3.000	24

MATERIAL:

NUT ELEMENT - CARBON STEEL – 1035 (UNS G10350), 1040 (UNS G10400) AND 1050 (UNS G10500) PER ASTM A827/A827M; 1042 (UNS G10420) PER ASTM A29/A29M.
- ALLOY STEEL – 4130 (UNS G41300), 4340 (UNS G43400) AND 8740 (UNS G87400) PER ASTM A29/A29M.

CHANNEL - ALUMINUM ALLOY – 1100 ANNEALED (UNS A91100) PER ~~AMS-QQ-A-250/1~~ ASTM B209, 2024-T4 (UNS A92024) PER AMS-QQ-A-250/4, 2024-T4 ALCLAD (UNS A82024) PER AMS-QQ-A-250/5 OR AMS4040, 7075-T6 (UNS A97075) PER AMS-QQ-A-250/12, OR 7075 ALCLAD (UNS A87075) PER ~~AMS-QQ-A-250/13~~ AMS4048 OR AMS4049.

FINISH:

NUT ELEMENT - CADMIUM PLATING PER 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 - PER PROCUREMENT SPECIFICATION.

LUBRICATION:

DRY FILM LUBRICANT ON NUT ELEMENT ONLY, APPROVED IN ACCORDANCE WITH NASM25027.
NON-DRY FILM LUBRICANTS SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN AMS-S-8802.

CODE: 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.

MS21063-3-6

— DASH NUMBER FROM TABLE II
— DASH NUMBER FROM TABLE I
— BASIC MS NUMBER

REVISION

2

NASM21063

SHEET 2



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