



# GANG CHANNEL, VARIABLE COUNTERBORE, REPLACABLE NUT ELEMENT, 160,000 PSI, 450°F

TABLE II - NUT SPACING

SPACING DASH NO.	S ±.010 /3/	NUMBER OF NUTS
-5	.6250	2 TO 115
-6	.7500	2 TO 96
-7	.8750	2 TO 82
-8	1.0000	2 TO 72
-9	1.1250	2 TO 64
-10	1.2500	2 TO 57
-11	1.3750	2 TO 52
-12	1.5000	2 TO 48
-14	1.7500	2 TO 41
-16	2.0000	2 TO 36
-18	2.2500	2 TO 32
-20	2.5000	2 TO 28
-24	3.0000	2 TO 24

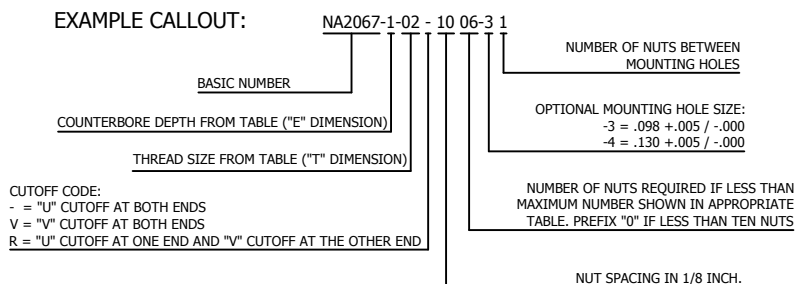
**MATERIAL:** NUT - A286 CRES (UNS S66286) PER AMS5525, AMS5732 OR AMS5737.  
CHANNEL - ALUMINUM ALLOY 7075-T6 OR 7075-T62 (UNS A97075) PER AMS-QQ-A-250/12.  
RETAINING CLIP - XM-28 STAINLESS STEEL SPRING WIRE (UNS S24100) PER ASTM A313/A313M.

**FINISH:** NUT - PASSIVATED PLUS NAFCO MOLYBDENUM DISULFIDE DRY FILM LUBRICANT.  
CHANNEL - ANODIZED PER MIL-A-8625, TYPE II, CLASS 1 PLUS COAT WITH AMS-C-27725, TYPE II, GRADE 1 COATING PER NAFCO WI8.5-06.  
RETAINING CLIP - PASSIVATE PER AMS2700 METHOD 1 OR 2.

**SERVICE TEMP.:** 450°F.

**PERFORMANCE:** NASM25027 EXCEPT FOR INCREASED TORQUE-OUT AND PUSH-OUT, TENSILE 160,000 PSI AT BASIC PITCH DIAMETER (SEE APPROPRIATE TABLES). THESE VALUES APPLY BOTH SEPARATELY AND COMBINED. FOR PUSH-OUT TEST, RIVET SPACING OF A CORRESPONDING TWO-LUG ANCHOR NUT WILL BE APPLICABLE.

## EXAMPLE CALLOUT:



## NOTES:

- 1.) FLOAT OF NUT ELEMENT SHALL NOT BE LESS THAN .015 RADIALLY FROM CENTERED POSITION. NUT ELEMENT SHALL BE CAPABLE OF ENGAGEMENT WITH A BOLT IN THE MAXIMUM MISALIGNED POSITION.
- 2.) BARE CHANNEL ENDS RESULTING FROM CHANNEL BEING CUT FROM LARGER SECTIONS PERMITTED TO BE BRUSH ALODINED PER PARAGRAPH 3.3.8 OF MIL-A-8625 OR TO BE PAINTED.
- 3.) TOLERANCES ON CHANNEL APPLY BEFORE PAINTING AND ALL TOLERANCES ARE NON-CUMULATIVE.
- 4.) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- 5.) THREADS SHALL BE IN ACCORDANCE WITH AS8879. THE UPPER THREADED PORTION OF THE NUT SHALL BE DEFORMED TO PROVIDE SELF-LOCKING FEATURE.
- 6.) COUNTERBORE DEPTH ("E" DIMENSION) INCLUDES THICKNESS OF CHANNEL MATERIAL.
- 7.) CHANNEL SHALL BE MARKED WITH NAFCO USA, LLC MANUFACTURING MARK "N". LOCATION OPTIONAL EXCEPT MUST BE VISIBLE AFTER ASSEMBLY.
- 8.) NUT ELEMENT(S) SHALL BE MARKED WITH MANUFACTURER'S IDENTIFICATION, FIRST DASH NUMBER (NUT COUNTERBORE CODE) AND "C" FOR CRES MATERIAL IN ACCORDANCE WITH MIL-STD-130.

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CONFORMS TO:

NASM25027  
AS8879

**NAFCO USA, LLC**  
CARSON CITY, NV 89706

PART NUMBER

NA2067

FEDERAL SUPPLY CODE NO. 32387