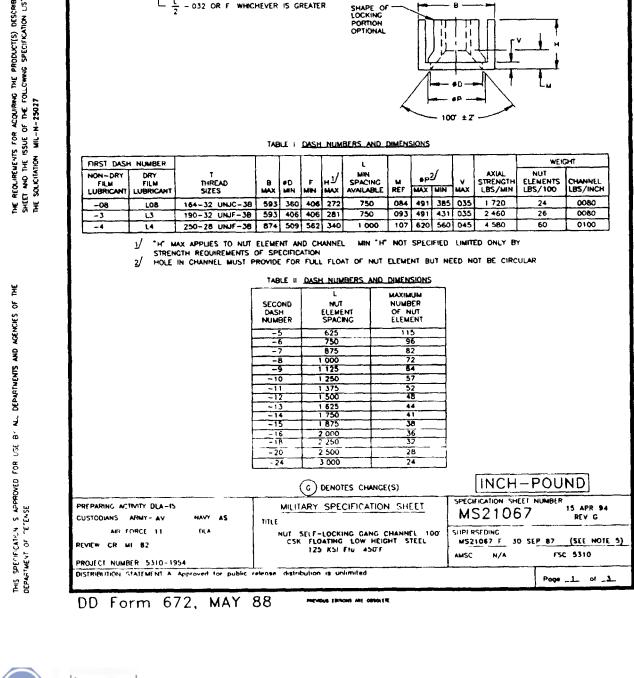
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CONFIGURATION OF NUT OPTIONAL WITHIN THE LIMITATIONS IMPOSED BY DIMENSIONS AND REQUIREMENTS AS SPECIFIED HERFIN

STOCK LENGTH APPROX 72 INCHES

± 010 =

TOLERANCE NON-CUMULATIVE



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AGENCIES

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REQUIREMENTS

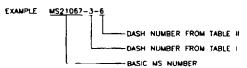
MATERIAL

NUT ELEMENT CARBON STEEL COMPOSITIONS 1035 (LINS G10350) 1040 (LINS G10400) AND 1050 (LINS G10500) IN ACCORDANCE WITH ASTM A29 ASTM A827 OR 00-5-700 1042 (LINS G10420) IN ACCORDANCE WITH ASTM A29 ALLUY STEFL GRADES 4130 (LINS G41300) 4340 (LINS G43400) AND 8740 (LINS G87400) IN ACCORDANCE WITH ASTM A29 CHANNEL - CORROSION RESISTANT STEEL TYPE A286 (LINS 56266) IN ALLORDANCE WITH AMS5525 AMS5732 OR AMS5737 TYPE 321 (LINS 532100) IN ACCORDANCE WITH AMS 5510

- LENGTH. TO BE STOCKED IN 72-INCH LENGTHS ONLY
- FINISH. NUT ELEMENTS CADMIUM FLATE IN ACCORDANCE WITH QQ-P-416 TYPE II CLASS 2 DRY FILM LUBRICATED NUT ELEMENTS IN ACCORDANCE WITH QQ-P-416 TYPE AND CLASS ARE OPTIONAL IF THE NUT ELEMENTS WILL MEET THE SALT SPRAY REQUIREMENTS OF QQ-P-416 TYPE II

 CHANNEL PLAIN (PASSIVATED)

- LUBRICANT, DRY FILM LUBRICANT ON NUT ELEMENT ONLY APPROVED IN ACCORDANCE WITH MIL-N-25027 NON-DRY FILM LUBRICANTS SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN MIL-S-8802
- DIMENSIONING AND TOLERANCING. DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14 5M
- HARDNESS, NUT ELEMENTS SHALL HAVE A HARDNESS OF 49HRC MAX
- THREADS, THREADS BEFORE LUBRICATION IN ACCORDANCE WITH MIL-S 8879
- SURFACE TEXTURE. SURFACE TEXTURE UNLESS OTHERWISE SPECIFIED SHALL NOT EXCEED 125 MICROINCHES IN ACCORDANCE WITH ANSI/ASME B46 1
- FLOAT OF NUT FLEMENT. FLOAT OF NUT ELEMENT PORTION OF ASSEMBLY SHALL NOT BE LESS THAN 0.30 NOR MORE THAN 0.40 LONGITUDINALLY AND NOT LESS THAN 0.10 NOR MORE THAN 0.30 LATERALLY FROM CENTERED POSITION NUT ELEMENT SHALL BE CAPABLE OF ENCAGEMENT WITH A BOLT IN THE MAXIMUM MISALIGNMENT POSITION MAXIMUM AXIAL FLOAT 0.20 INCH FOR -0.8 AND -3. 0.30 FOR -4
- ASSEMBLY. THE ASSEMBLY SHALL PROMDE 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 IN ANY 12 INCHES. THE NUT ELEMENT AND BASE PORTION OF THE ASSEMBLY SHALL FORM ONE INTEGRAL UNIT. 10
- EDGES. BREAK SHARP CORNERS AND REMOVE ALL BURRS
- 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
- PART NUMBER, THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE II AND TABLE II AND A THIRD DASH NUMBER IF SPECIFIED (SEE REQUIREMENT 12)



MS21067-3-8 INDICATES
NUT SELF-LOCKING CANG CHANNEL 100' CSK FLOATING LOW HEIGHT STEEL
125 KSI Ftu 450' F GANG CHANNEL ASSEMBLY CONSISTING
OF NINETY-SIX 190-32 UNJF-38 CADMIUM PLATED NUT ELEMENTS
SPACED AT 750 INCH

MS21067L4-7-10 INDICATES NUT SELF-LOCKING GANG CHANNEL 100' CSK FLOATING LOW HEIGHT STEEL 125 KSI Ftu 450' F CANC CHANNEL ASSEMBLY CONSISTING OF TEN 250-28 UNJF-3B CADMIUM PLATED DRY FILM LUBRICATED NUT ELEMENTS SPACED AT 875 INCH

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AR FORCE-11 DLA- REVIEW CR, MI 82	NUT SELF-LOCKING GANG CHANNEL 100' CSK FLOATING LOW HEIGHT STEEL 125 KSI Ftu 450'F	SUPERSEDING MS21067 F 30 SEP 87 (SEE NOTE 5)	
PROJECT NUMBER 5310-1954		AMSC- N/A	FSC 5310

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NOTES

- 1 ALL DIMENSIONS ARE IN INCHES DIMENSIONS TO BE MET PRIOR TO LUBRICATION
- IN THE EVENT OF A CONFLICT BETWEEN THE ILXI OF THIS STANGARD AND THE REFERENCES CITED DEFREIN THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE
- REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN
- DESIGN AND USAGE LIMITATIONS. THESE NUTS ARE DESIGNED TO DEVELOP THE TENSILE STRENGTHS OF BOLTS AND SCREWS WITH AN ULTIMATE TENSILE STRENGTH OF 125 KSI BASED ON THE CROSS SECTION AREA AT THE BASIC ROOT DIAMETER OF THE THREADS. THESE NUTS ARE DESIGNED TO BE USED ON 3A EXTERNAL THREADS. THESE NUTS SHALL BE USED IN ACCORDANCE WITH THE LIMITATIONS OF MS33588. ONLY NUTS FOR WHICH THERE ARE QUALIFIED PRODUCTS LISTED ON QPL 25027 SHALL BE USED.
- 5 MS21067 SUPERSEDES NAS 693 THRU 695 NAS 1039 THRU 1041 IN PART

MS21067 NUTS CAN UNIVERSALLY REPLACE NAS693 THRU NAS1041 NUTS OF LIKE THREAD SIZE LUBRICANT (DRY FILM OR NON-DRY FILM)
PLATING NUT ELEMENT SPACING NUMBER OF NUT ELEMENTS AND MATERIAL BUT THESE NAS693 THRU NAS1041 NUTS CANNOT UNIVERSALLY
REPLACE MS21067 NUTS

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CANCELLED PART NUMBERS 1/		SUBSTITUTIVE PART NUMBERS $arPsi$	
NAS693AX	NAS1039AX	MS21067-08	
NAS694AX	NAS104QAX	MS21067-3	
NAS695AX	NAS1041AX	MS21067-4	
NAS693A	NAS1039A	MS21067L08	
NAS694A	NAS1040A	MS21067L3	
NAS695A	NAS1041A	MS21067L4	

NUT ELEMENT SPACING DASH NUMBER IS IDENTICAL FOR BOTH CANCELLED AND CORRESPONDING SUBSTITUTIVE PART NUMBERS

PREPARING ACTIMITY DEA-15 CUTTODIANS ARMY - AV NAVY - AS	MILITARY SPECIFICATION SHEET	MS21067	R 15 APR 94 REV G
AR FORCE-11 DIA REVIEW CR MI 82 PROJECT NUMBER 5310-1954	NUT SELF-LOCKING CANG CHANNEL 100 CSK FLOATING LOW HEIGHT STEEL 125 KSI FIU 450F	SUPERSEDINC MS21067 F 30 SEP 87 AMSC- N/A F	(SEE NOTE 5)
DISTRIBUTION STATEMENT A Approved for public	release distribution is unlimited	Pogi	3_ of _3_

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PREMOUS EDITIONS ARE OBSOLETE

