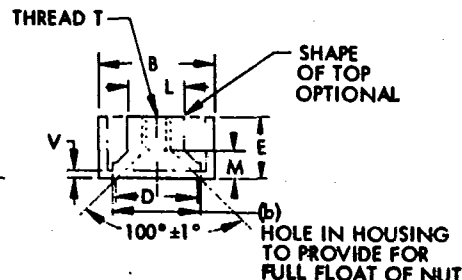
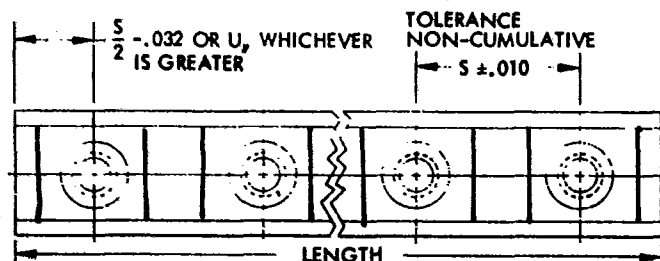


FED. SUP CLASS
5310



THREAD ^(d) T	BASIC PART NUMBER	TYPE CODE LETTER		B MAX	D DIA ±.005	E ^(a) MAX	L DIA MAX	M REF	MIN S NUT SPACING	U MIN	V MAX
		250°F AL ALLOY CHANNEL ALL METAL NUT	450°F CRES CHANNEL ALL METAL NUT								
.1640-32 UNJC-3B	NAS693	P	A	.593	.365	.272	.297	.084	.625	.406	.035
.1900-32 UNJF-3B	NAS694			.593	.411	.281	.328	.093	.625	.406	.035
.2500-28 UNJF-3B	NAS695			.874	.540	.340	.414	.121	1.000	.562	.045

- (a) MINIMUM "E" NOT SPECIFIED, LIMITED ONLY BY STRENGTH REQUIREMENT OF SPECIFICATION.
(b) FLOAT OF NUT PORTION OF ASSEMBLY SHALL NOT BE LESS THAN .030 NOR MORE THAN .040 LONGITUDINALLY AND NOT LESS THAN .010 NOR MORE THAN .030 Laterally FROM CENTERED POSITION. NUT BODY SHALL BE CAPABLE OF ENGAGEMENT WITH A BOLT IN THE MAX MISALIGNMENT POSITION. MIN HOLE IN HOUSING = D + FULL FLOAT OF NUT. MAX AXIAL FLOAT .020 INCHES FOR NAS693 AND NAS694; .030 FOR LARGER SIZES.
(c) THE ASSEMBLY SHALL PROVIDE A BEARING SURFACE FOR THE NUT WITHIN THE HOUSING.
(d) THREADS IN ACCORDANCE WITH MIL-S-8879 BEFORE LUBRICATION.
(e) THE CENTERLINE OF THE CHANNEL SHALL NOT DEVIATE FROM A STRAIGHT LINE BY MORE THAN .015 IN ANY 12 INCHES.
NOTE: THE NUT AND BASE PORTION OF THE ASSEMBLY SHALL FORM ONE INTEGRAL UNIT.

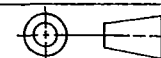
S NUT SPACING	FIRST DASH NO.	MAX NO. NUTS
.625	5	115
.750	6	96
.875	7	82
1.000	8	72
1.125	9	64
1.250	10	57
1.375	11	52
1.500	12	48
1.625	13	44
1.750	14	41
1.875	15	38
2.000	16	36
2.250	18	32
2.500	20	28
3.000	24	24

⑨ INACTIVE FOR NEW DESIGN AFTER 1 JANUARY 1989 USE MS21066 AND MS21067. FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

LIST OF CURRENT SHEETS	
NO.	REV.
1	9
2	9

CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE

THIRD
ANGLE
PROJECTION



PROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION
STANDARD PART

MIL-N-25027
EXCEPT AS NOTED

**NUT ASSEMBLY, SELF-LOCKING, GANG
CHANNEL-LOW HEIGHT, CSK**

NAS 693 thru 695



Documents

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THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

REVISION ⑥ 15 APRIL 1968 ⑦ 31 DEC. 1968 ⑧ 16 DEC. 1974 ⑨ 6 NOV. 1987
APPROVAL DATE JULY 1956

CODE: PART NUMBER = NUT THREAD SIZE.
1ST DASH NO. PREFIXED BY: P = ALL METAL NUT, ALUMINUM ALLOY CHANNEL,
MAXIMUM TEMPERATURE 250°F.
A = ALL METAL NUT, CRES CHANNEL,
MAXIMUM TEMPERATURE 450°F.
ADD "X" TO CODE LETTER TO SPECIFY PARTS WITHOUT
LUBRICANT.
1ST DASH NO. = NUT SPACING (SEE TABLE).
2ND DASH NO. = NO. OF NUTS IN STRIP (NOT TO EXCEED MAX SHOWN IN TABLE).
OMISSION OF 2ND DASH NO. INDICATES STOCK LENGTH STRIP APPROX
72 INCHES LONG.

EXAMPLES OF PART NUMBERS:

NAS694P6-10 = .1900-32 GANG CHANNEL NUT, ALL METAL NUT, ALUMINUM ALLOY CHANNEL,
.7500 NUT SPACING, 10 NUTS.
NAS695A7-12 = .2500-28 GANG CHANNEL NUT, ALL METAL NUT, CRES CHANNEL,
.8750 NUT SPACING, 12 NUTS.
NAS695A7 = .2500-28 GANG CHANNEL NUT, ALL METAL NUT, CRES CHANNEL,
.8750 NUT SPACING, APPROX. 72 INCHES LONG.

MATERIALS: SEE PROCUREMENT SPECIFICATION.

NUT - STEEL
CHANNEL - ALUMINUM ALLOY
- CORROSION RESISTANT STEEL

FINISH: STEEL: CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2, PLUS AN APPROVED DRY
FILM LUBRICANT. EXISTING NUTS WITH AN OPTIONAL TYPE AND CLASS OF
CADMIUM PLATE PER QQ-P-416, AS PREVIOUSLY PERMITTED, MAY BE
FURNISHED UNTIL 16 DEC. 1976.

ALUMINUM ALLOY: ANODIZE OR CHEMICAL FILM PER MIL-N-25027, EXCEPT ANODIZE
SHALL BE LIMITED TO TYPE I OR TYPE II.
CLAD STOCK - NO FINISH REQUIRED.

LUBRICANT: MOLYBDENUM DISULFIDE ON NUT ELEMENTS.

PROCUREMENT SPECIFICATION:

MIL-N-25027 EXCEPT AS NOTED. ALL NUTS SHALL MEET QUALIFICATION AND INSPECTION
REQUIREMENTS. MANUFACTURERS SHALL PROVIDE EVIDENCE OF QUALIFICATION WHEN REQUIRED.
TESTING SHALL BE PERFORMED BY MANUFACTURER OR INDEPENDENT LABORATORY. PROCURING
AGENCY MAY CONDUCT CONFIRMING QUALIFICATION TESTS. NO QPL SHALL BE ESTABLISHED.

AXIAL STRENGTH REQUIREMENTS PER TABLE 1 VALUES FOR REGULAR STEEL NUTS.
DIMENSIONS IN INCHES.

⑨ INACTIVE FOR NEW DESIGN AFTER 1 JANUARY 1989 USE MS21066 AND MS21067.
FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE
SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS
FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

APPROVAL DATE JULY 1956 REVISION ⑥ 15 APRIL 1968 ⑦ 31 DEC. 1968 ⑧ 16 DEC. 1974 ⑨ 6 NOV. 1987

NAS 694P6-10 Documents

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SHEET 2