

RAISED OR DEPRESSED DOT FOR 160 KSI IDENTIFICATION.
LOCATION OPTIONAL. /6/

FED. SUPPLY CLASS

5310

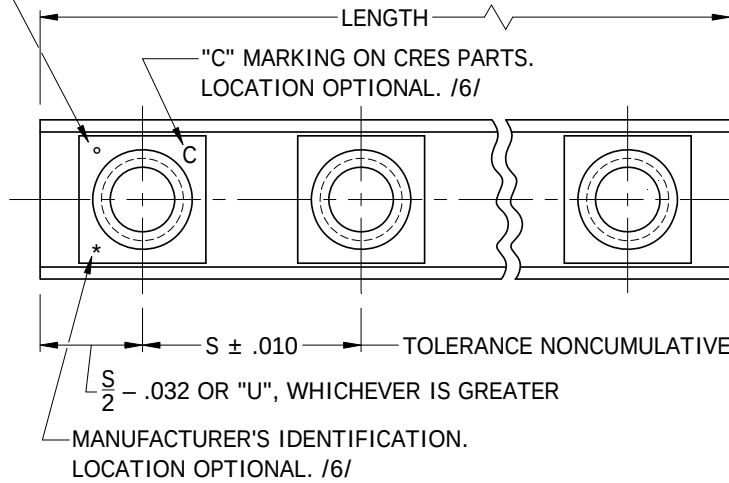


TABLE I – TYPE CODE LETTER

1ST DASH NO.	T THREAD /4/	250 °F AL ALLOY CHANNEL STEEL NUT CAD PLUS MoS ₂	250 °F AL ALLOY CHANNEL CRES NUT MoS ₂	250 °F AL ALLOY CHANNEL STEEL NUT CAD PLATE W/O MoS ₂	450 °F CRES CHANNEL STEEL NUT CAD PLUS MoS ₂	450 °F CRES CHANNEL CRES NUT MoS ₂	800 °F CRES CHANNEL CRES NUT SILVER PLATE
08	.1640-32 UNJC-3B						
3	.1900-32 UNJF-3B						
4	.2500-28 UNJF-3B	P	K	X	A	M	C
5	.3125-24 UNJF-3B						
6	.3750-24 UNJF-3B						

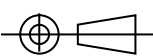
TABLE II – DIMENSIONS AND STRENGTH VALUES

T THREAD /4/	B	ØD	E /1/	ØF	S NUT SPACING MIN	U	V	AXIAL TENSILE STRENGTH LBF
	MAX	MIN	MAX	MAX		MIN	MAX	
.1640-32 UNJC-3B	.416	.168	.250	.297	.625	.343	.035	2,490
.1900-32 UNJF-3B	.416	.194	.250	.328	.625	.343	.035	3,470
.2500-28 UNJF-3B	.516	.254	.281	.414	.750	.406	.045	6,200
.3125-24 UNJF-3B	.609	.317	.328	.505	.875	.469	.045	9,820
.3750-24 UNJF-3B	.726	.379	.344	.614	1.000	.562	.055	15,200

TABLE III – NUMBER OF NUT ELEMENTS

2ND DASH NO.	S NUT SPACING	MAX NO. NUTS	2ND DASH NO.	S NUT SPACING	MAX NO. NUTS
5	.625	115	13	1.625	44
6	.750	96	14	1.750	41
7	.875	82	15	1.875	38
8	1.000	72	16	2.000	36
9	1.125	64	18	2.250	32
10	1.250	57	20	2.500	28
11	1.375	52	24	3.000	24
12	1.500	48	28	3.500	20

THIRD
ANGLE
PROJECTION



CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

3

PROCUREMENT
SPECIFICATION

NOTED

TITLE

**NUT ASSEMBLY, SELF-LOCKING,
GANG CHANNEL, LOW HEIGHT, COUNTERBORED,
160 KSI, 250 °F, 450 °F, 800 °F**

CLASSIFICATION
PART STANDARD

NAS1783
SHEET 1 OF 3



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MATERIAL: STEEL - CARBON OR ALLOY HEAT TREATED 1030 (UNS G10300) OR BETTER; NEITHER THE SULFUR NOR PHOSPHORUS CONTENT SHALL EXCEED .050 % BY WEIGHT.

③ AL ALLOY - 2024-T4 ALCLAD (UNS A82024) PER AMS-QQ-A-250/5, 7075-T6 (UNS A97075) PER AMS-QQ-A-250/12 OR 7075 ALCLAD (UNS A87075) PER AMS-QQ-A-250/13.

CRES NUT - A286 (UNS S66286) PER AMS5525, AMS5732, OR AMS5737. /7/

CRES CHANNEL - 321 (UNS S32100) PER AMS5510. /7/

FINISH: STEEL - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.

AL ALLOY CHANNEL - ANODIZE PER MIL-A-8625.

CRES NUT - SILVER PLATE FOR 800 °F USE PER AMS2410 TO A .0002 MINIMUM THICKNESS ON SURFACES WHICH CAN BE TOUCHED BY A Ø.7500 (3/4 INCH) BALL. THREADS SHALL SHOW COMPLETE COVERAGE, BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED. PASSIVATE PER AMS2700, METHOD 1, CLASS 4 ALL CRES PARTS BEFORE THE APPLICATION OF DRY FILM LUBRICANT.

CRES CHANNEL - PASSIVATE PER AMS2700, METHOD 1, CLASS 4.

LUBRICATION: MOLYDISULFIDE (MoS₂) DRY FILM LUBRICANT PER NAS3356.

CODE: BASIC PART NUMBER = NAS1783.

1ST DASH NUMBER = THREAD SIZE (SEE TABLE I, SHEET 1).

2ND DASH NUMBER PREFIXED BY:

P = STEEL NUT CADMIUM PLATED, WITH DRY FILM LUBRICANT, AL ALLOY CHANNEL, MAX TEMPERATURE 250 °F.

K = CRES NUT, WITH DRY FILM LUBRICANT, AL ALLOY CHANNEL, MAX TEMPERATURE 250 °F.

X = STEEL NUT CADMIUM PLATED, WITHOUT DRY FILM LUBRICANT, AL ALLOY CHANNEL, MAX TEMPERATURE 250 °F.

A = STEEL NUT CADMIUM PLATED, WITH DRY FILM LUBRICANT, CRES CHANNEL, MAX TEMPERATURE 450 °F.

M = CRES NUT, WITH DRY FILM LUBRICANT, CRES CHANNEL, MAX TEMPERATURE 450 °F.

C = CRES NUT, WITH SILVER PLATE, CRES CHANNEL, MAX TEMPERATURE 800 °F.

2ND DASH NUMBER = NUT SPACING (SEE TABLE III, SHEET 1).

3RD DASH NUMBER = NUMBER OF NUTS IN STRIP (NOT TO EXCEED MAX SHOWN IN TABLE III, SHEET 1). OMISSION OF 3RD DASH NUMBER INDICATES STOCK LENGTH STRIP, APPROXIMATELY 72 INCHES LONG.

EXAMPLE OF PART NUMBER:

NAS1783-3P6-10 = .1900-32 GANG CHANNEL, STEEL NUT CADMIUM PLATED, WITH DRY FILM LUBRICANT, AL ALLOY CHANNEL, .750 NUT SPACING, 10 NUTS.

NAS1783-4K7-12 = .2500-28 GANG CHANNEL, CRES NUT, WITH DRY FILM LUBRICANT, AL ALLOY CHANNEL, .875 NUT SPACING, 12 NUTS.

NAS1783-3X6-10 = .1900-32 GANG CHANNEL, STEEL NUT CADMIUM PLATED, WITHOUT DRY FILM LUBRICANT, AL ALLOY CHANNEL, .750 NUT SPACING, 10 NUTS.

NAS1783-4A7-12 = .2500-28 GANG CHANNEL, STEEL NUT CADMIUM PLATED, WITH DRY FILM LUBRICANT, CRES CHANNEL, .875 NUT SPACING, 12 NUTS.

NAS1783-5M8-21 = .3125-24 GANG CHANNEL, CRES NUTS, WITH DRY FILM LUBRICANT, CRES CHANNEL, 1.00 NUT SPACING, 21 NUTS.

NAS1783-5C8-21 = .3125-24 GANG CHANNEL, CRES NUTS, SILVER PLATED, CRES CHANNEL, 1.00 NUT SPACING, 21 NUTS.

NAS1783-5C8 = .3125-24 GANG CHANNEL, CRES NUTS, SILVER PLATED, CRES CHANNEL, 1.00 NUT SPACING, APPROXIMATELY 72 INCHES LONG.

REVISION

3



NAS1783
SHEET 2

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