

FED. SUPPLY CLASS

5310

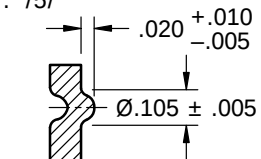
MARK WITH "C" TO
DESIGNATE 800 °F NUTS,
POSITION OPTIONAL. NO
MARKING NEED BE
APPLIED TO 250 °F OR
450 °F NUTS.

ØK (2 PL)
EXCEPT FOR
PROJECTION
WELD

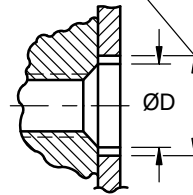
R .145
.115 FOR .1120 THRU .3750
(R .125 MIN FOR AL ALLOY)
R .176
.146 FOR .5000 SIZE

K MIN
RADIUS CLEARANCE
FROM RIVET HOLE
CENTERLINE FOR
ATTACHING
RIVETS.

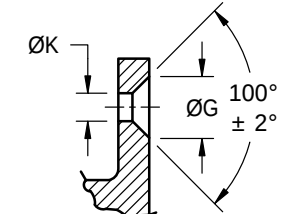
HOLE IN HOUSING
TO PROVIDE FOR
FULL FLOAT OF NUT. /5/



PROJECTION NIBS FOR
PROJECTION WELD /7/



COUNTERSINK
120° X ØD
(RADIUS OPTIONAL)
T THREAD



COUNTERSUNK RIVET HOLES
(OR MAY BE DIMPLED) /8/

SHAPE OF TOP
OPTIONAL

TABLE I – DASH NUMBERS AND DIMENSIONS

T THREAD	NYLON INSERT		ALL METAL			A MAX	B MAX /6/	C ±.005 /5/	E MAX /6/	ØD +.020 -.010	J ±.002	ØK +.005 -.000	ØG ±.010
	AL ALLOY NUT	STEEL NUT	STEEL NUT	STEEL ASSY 450 °F	GRES ASSY 800 °F								
	AL ALLOY OR STEEL HOUSING			250 °F	250 °F								
	250 °F	250 °F	250 °F										
.1120-40 UNJC-3B	D04	N04	P04	A04	E04	1.094	.422	.344	.218	.131	.312	.098	.200
.1380-32 UNJC-3B	D06	N06	P06	A06	E06	1.094	.422	.344	.234	.156	.312	.098	.200
.1640-32 UNJC-3B	D08	N08	P08	A08	E08	1.094	.422	.344	.312	.183	.312	.098	.200
.1900-32 UNJF-3B	D3	N3	P3	A3	E3	1.094	.422	.344	.312	.210	.312	.098	.200
.2500-28 UNJF-3B	D4	N4	P4	A4	E4	1.316	.531	.500	.387	.273	.312	.098	.200
.3125-24 UNJF-3B	D5	N5	P5	A5	E5	1.378	.641	.500	.387	.336	.312	.130	.230
.3750-24 UNJF-3B	D6	N6	P6	A6	E6	1.422	.703	.500	.479	.398	.312	.130	.230
.5000-20 UNJF-3B	D8	N8	P8	A8	E8	1.800	.859	.625	.630	.531	.500	.161	—

MATERIAL:

SEE PROCUREMENT SPECIFICATION.

⑦ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 7
PROCUREMENT SPECIFICATION NOTED	TITLE NUT, SELF-LOCKING, PLATE, ONE LUG, REGULAR HEIGHT, NON-CSK, FLOATING	CLASSIFICATION PART STANDARD
		NAS1032 SHEET 1 OF 3

FINISH:

STEEL – CODES CONTAINING “X” OR “N” CADMIUM PLATE. “A” CODE: CADMIUM PLATE PLUS AN APPROVED DRY FILM LUBRICANT. PLATING SHALL BE QQ-P-416, TYPE II, CLASS 2.
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.
CRES – SILVER PLATE FOR 800 °F USE PER MIL N 25027 TO A .0002 MINIMUM THICKNESS ON SURFACES WHICH CAN BE TOUCHED BY A .7500 (3/4 INCH) BALL. THREADS SHALL SHOW COMPLETE COVERAGE, BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED.
ALUMINUM ALLOY – ANODIZE OR CHEMICAL FILM PER PROCUREMENT SPECIFICATION, EXCEPT ANODIZE SHALL BE LIMITED TO TYPE I OR TYPE II.

CODE:

ADD “W” TO END OF PART NUMBER TO OBTAIN NUTS WITH WELDING PROJECTION (“C” CODE ONLY).
ADD “K” TO END OF PART NUMBER TO OBTAIN NUTS WITH COUNTERSUNK RIVET HOLES.
INSERT “X” IN ADDITION TO “A”, “N” OR “P” FOR PLATED STEEL NUTS WITHOUT LUBRICANT.

EXAMPLES OF PART NUMBER:

NAS1032A3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F – ALL METAL.
NAS1032N3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING NYLON INSERT.
NAS1032D3 = NUT – ALUMINUM ALLOY WITH .1900-32 THREAD FOR USE UP TO 250 °F – NYLON INSERT.
NAS1032C3W = NUT – CRES WITH .1900-32 THREAD FOR USE UP TO 800 °F – ALL METAL WITH WELDING PROJECTIONS.
NAS1032N3K = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING NYLON INSERT AND COUNTERSUNK RIVET HOLES.
NAS1032AX3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F – ALL METAL WITHOUT LUBRICANT.
NAC1032NX3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING – NYLON INSERT WITHOUT LUBRICANT.
NAS1032NX3K = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING – NYLON INSERT AND COUNTERSUNK RIVET HOLES WITHOUT LUBRICANT.

PROCUREMENT SPECIFICATION:

NASM25027 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.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) “NX” CODE INACTIVE FOR NEW DESIGN AFTER 1 JULY 1972.
- (3) THREADS IN ACCORDANCE WITH AS8879 BEFORE LUBRICATION.

⑦ COMPLETELY REVISED

REVISION
7
NAS1032
SHEET 2



Documents
SHEET 2

Document Sharing Hub