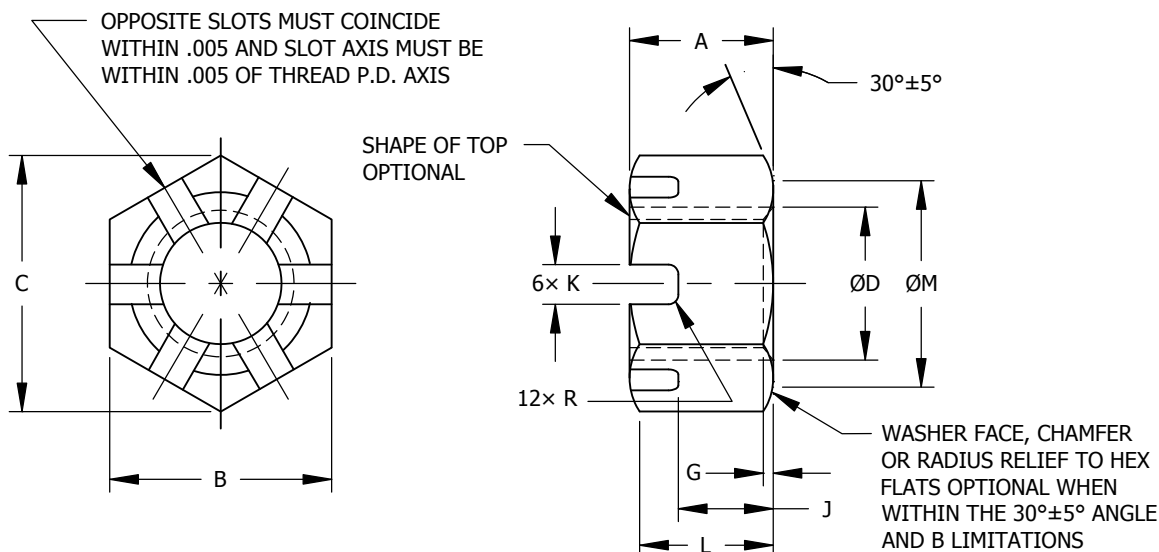


FED. SUPPLY CLASS

5310



② TABLE I – DIMENSIONS AND STRENGTH VALUES

SIZE DASH NO.	THREAD AS8879	A		B		C	ØD	G		J		K		L	ØM		R	ULTIMATE TENSILE STRENGTH LBF MIN	WEIGHT LBS/100 MAX
		MAX	MIN	MAX	MIN	MIN	MAX	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX	MIN	MAX		
3	.1900-32 UNJF-3B	.265	.235	.376	.367	.410	.215	.032	.006	.125	.105	.108	.078	.110	.376	.355	.035	2,460	.55
4	.2500-28 UNJF-3B	.296	.266	.439	.430	.482	.275	.036	.007	.141	.121			.125	.439	.418		4,580	.80
5	.3125-24 UNJF-3B	.343	.313	.502	.492	.552	.338	.042	.008	.188	.168			.172	.502	.480		7,390	1.25
6	.3750-24 UNJF-3B	.421	.391	.564	.553	.622	.400			.235	.215	.155	.125	.218	.564	.543	.053	11,450	1.70
7	.4375-20 UNJF-3B	.468	.438	.690	.679	.766	.463	.050	.010	.282	.262			.265	.690	.675		15,450	2.30
8	.5000-20 UNJF-3B	.578	.548	.752	.741	.837	.525			.375	.355			.359	.752	.737		21,110	4.50

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21225, REV A, AMENDMENT 1. PART NUMBERS REMAIN MS21225.

THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, CASTELLATED, HEXAGON, 800 °F	CLASSIFICATION PART STANDARD NASM21225 SHEET 1 OF 2

[illegible]

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
11000 WILSON BLVD.
ARLINGTON, VA 22209

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

REVISION DATE: DECEMBER 19, 2014

ISSUE DATE: NOVEMBER 1999

FORM 12-01



NASM 21225
SHEET 1 OF 2

SHEET 1 OF 2

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Full document details: AIA NASM21225 2014

MATERIAL:

A286 (UNS S66286) CORROSION AND HEAT RESISTANT STEEL, COMPOSITION PER AMS5725, AMS5737, OR AMS5525.

FINISH:

SILVER PLATE IN ACCORDANCE WITH AMS2411. PLATE THICKNESS MEASURED ON THE EXTERNAL SURFACE OF THE NUT SHALL NOT BE LESS THAN .0002 INCHES; THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENTS ON THREADS ARE WAIVED. TARNISHING OR DISCOLORATION OF SILVER SHALL NOT BE CAUSE FOR REJECTION.

EXAMPLE OF PART NUMBER:

MS21225-4 = .2500-28 CORROSION RESISTANT STEEL NUT, SILVER PLATED.

PERFORMANCE:

PER NASM25027 EXCEPT FOR:

- (a) ULTIMATE TENSILE STRENGTH AS TABULATED.
- (b) VIBRATION TEST TIME FOR NUT SIZES -5 AND LARGER SHALL BE 120 MINUTES MINIMUM.
- (c) LOCKING TORQUE VALUES APPLICABLE FOR 5 CYCLES, EXCEPT ONE (1) CYCLE FOR -3 SIZE.
- (d) WRENCH TORQUE TEST VALUES TO BE DIRECTLY PROPORTIONAL TO THE ULTIMATE TENSILE STRENGTH.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (2) (4) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (5) MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH H = 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A342/A342M, TEST METHOD 3.
- (6) REMOVE ALL BURRS AND SHARP EDGES.
- (7) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (8) SURFACE ROUGHNESS 125 MICROINCHES Ra, PER ASME B46.1.
- (9) THESE NUTS ARE DESIGNED FOR USE WITH 3A THREADS PER AS8879.

REVISION

2

NASM21225

SHEET 2



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