

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

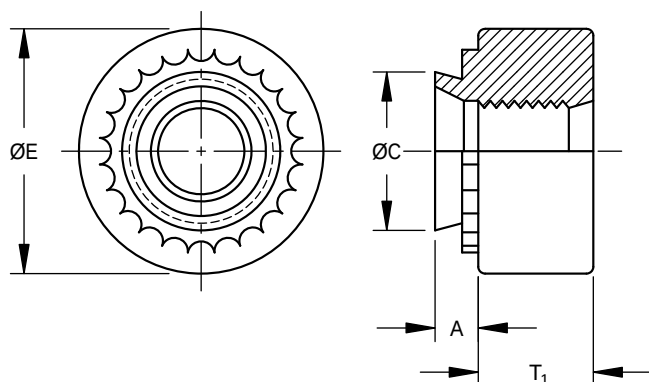
THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 09-01

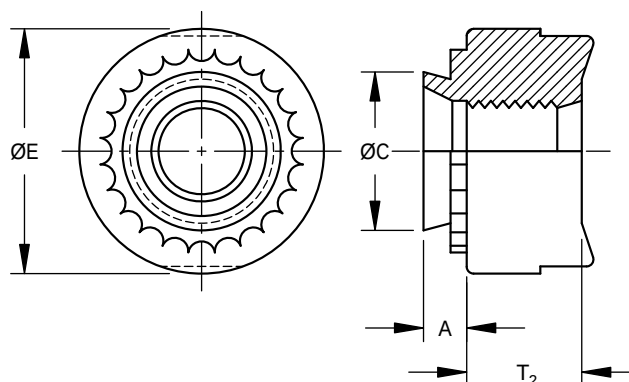
ISSUE DATE: MARCH 2000 REVISION DATE: FEBRUARY 28, 2013

FED. SUPPLY CLASS

5310



NON-LOCKING THREADS



SELF-LOCKING THREADS

TABLE I – DIMENSIONS

TABLE 1. DIMENSIONS									
DASH NO.	THREAD	DIAMETER OF PUNCHED OR DRILLED MOUNTING HOLE +.004, -.000	A MAX	ØC MAX	ØE ±.010	T ₁ NON-LOCKING ±.005	T ₂ SELF LOCKING ±.010	MINIMUM SHEET THICKNESS	MINIMUM DISTANCE CENTER LINE OF HOLE TO SHEET EDGE
1	.2500-20 UNC-2B	.344	.058	.343	.500	.189		.058	.380
2	.3125-18 UNC-2B	.413	.058	.412	.575	.240		.058	.420
3	.3750-16 UNC-2B	.500	.058	.499	.650	.300		.058	.480

MATERIALS:

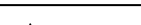
CARBON STEEL (FOR USE IN MATERIALS WITH A HARDNESS OF 65 HRB MAX).

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 3.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-N-45938/10, AMENDMENT 1. PART NUMBERS REMAIN M45938/10.

THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM45938	TITLE NUT, PLAIN, CLINCH AND NUT, SELF-LOCKING, CLINCH (SELF-CLINCHING) ROUND	CLASSIFICATION PART STANDARD NASM45938/10 SHEET 1 OF 2

CODE:

PART NUMBER CONSISTS OF M45938/10 AND A DASH NUMBER TAKEN FROM TABLE I. ADD SUFFIX LETTER "L" FOR SELF-LOCKING NUT.

EXAMPLE OF PART NUMBER:

M45938/10-1 = .250-20 NON-LOCKING NUT
M45938/10-2L = .3125-18 SELF-LOCKING NUT

NOTES:

- (1) THREAD: THREADS SHALL BE IN ACCORDANCE WITH MIL-S-7742.
- (2) PUSH-OUT VALUES SHALL BE AS SPECIFIED IN TABLE II.
- (3) RECOMMENDED INSTALLATION PROCEDURES AS SHOWN IN NASM45938/1.
- (4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (6) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (7) REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

TABLE II – TYPICAL PERFORMANCE REQUIREMENTS

SIZE	PANEL MATERIAL	APPROXIMATE INSTALLATION FORCE (LBS)	PUSH-OUT FORCE (LBS) MIN	TORQUE-OUT RESISTANCE (IN LBS) MIN
.250-20	5052H34 ALUMINUM	5,000	200	80
	COLD-ROLLED STEEL	6,500	275	100
.3125-18	5052H34 ALUMINUM	5,000	250	130
	COLD-ROLLED STEEL	6,500	300	160
.375-16	5052H34 ALUMINUM	7,000	300	180
	COLD-ROLLED STEEL	10,000	450	230

① COMPLETELY REVISED

REVISION
1
NASM45938-10
SHEET 2



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