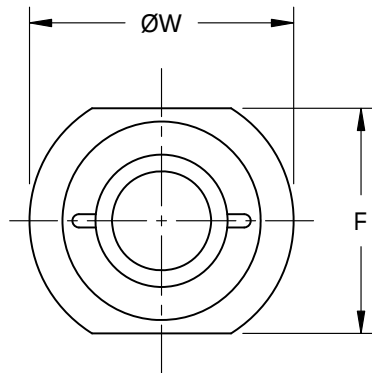
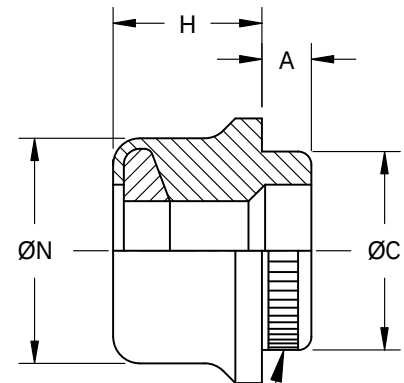
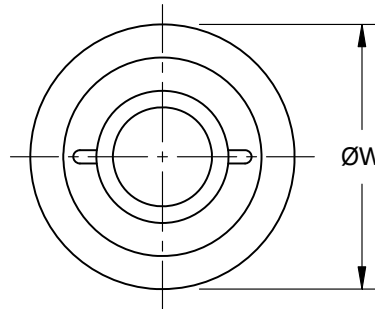


FED. SUPPLY CLASS

5310



OPTIONAL
CONFIGURATION



STRAIGHT
KNURL

FIGURE 1 – NUT, SELF-LOCKING, CLINCH, (SWAGE-CLINCHING, KNURLED SHANK, MINIATURE, 250 °F)

TABLE I – DASH NUMBERS AND DIMENSIONS.

DASH NO.		THREAD SIZE	A SHANK LENGTH ±.003	SHEET THICKNESS	HOLE SIZE IN SHEET ±.001	ØC ±.002	H ±.010	ØN MAX	ØW ±.005	F ±.015
CARBON OR ALLOY STEEL /1/	CRES									
1	1C	.0860-56 UNJC-3B	.040	.030 TO .045	.125	.129	.075	.150	.172	.156
2	2C	.1120-40 UNJC-3B	.060	.046 AND UP	.156	.160	.090	.182	.203	.187
3	3C	.1380-32 UNJC-3B	.040	.030 TO .045	.188	.192	.130	.242	.281	.238
4	4C	.1640-32 UNJC-3B	.060	.046 AND UP	.219	.223	.160	.268	.312	.281
5	5C	.1900-32 UNJF-3B	.060	.046 AND UP	.250	.254	.179	.287	.344	.328
6	6C									
7	7C									
8	8C									

MATERIAL:

CARBON STEEL, GRADE 1012 (UNS G10120) IN ACCORDANCE WITH ASTM A 510, OR GRADE 1018 (UNS G10180) WITH LEAD FOR FREE MACHINING, IN ACCORDANCE WITH ASTM A 108 FOR THREAD SIZES .0860-56 UNJC-3B AND .1120-40 UNJC-3B.

ALLOY STEEL GRADE 4130 (UNS G41300) IN ACCORDANCE WITH ASTM A 322 OR ASTM A 331. ASTM A 108 SHALL BE USED FOR THREAD SIZES .1380-32 UNJC-3B AND LARGER.

CRES TYPE 303 (UNS S30300) IN ACCORDANCE WITH ASTM A 581/A 581M OR ASTM A 582/A 582M, SHALL BE USED FOR ALL THREAD SIZES.

THE LOCKING INSERT SHALL BE NYLON.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-N-45938/5, REVISION A, AMENDMENT 2. PART NUMBERS REMAIN M45938/5.

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		1	
		TITLE		CLASSIFICATION	
PROCUREMENT SPECIFICATION		NUT, SELF-LOCKING, CLINCH, (SWAGE-CLINCHING, KNURLED SHANK, MINIATURE, 250 °F)		PART STANDARD	
NASM45938		①		NASM45938/5	
				SHEET 1 OF 3	

FINISH:

CARBON STEEL, GRADES 1012 (UNS G10120) AND 1018 (UNS G10180), SHALL BE CADMIUM PLATED.
CRES, TYPE 303 (UNS S30300), SHALL BE CLEANED, DESCALED AND PASSIVATED.

CODE:

THE PART NUMBER CONSISTS OF THE LETTER "M", THE BASIC NUMBER OF THIS PART STANDARD AND A DASH NUMBER TAKEN FROM TABLE I.

EXAMPLE OF PART NUMBER:

M45938/5-1 = NUT, SELF-LOCKING, CLINCH, (SWAGE-CLINCHING, KNURLED SHANK, MINIATURE,
250 °F), CARBON STEEL, .0860-56 UNJC-3B, .040 SHANK LENGTH.

└─── DASH NUMBER

└─── PART STANDARD NUMBER

NOTES:

- /1/ FOR SIZE-MATERIAL COMBINATIONS: SEE MATERIALS.
- (2) THREADS SHALL BE IN ACCORDANCE WITH AS8879.
- (3) PUSH-OUT AND TORQUE-OUT VALUES SHALL BE AS SPECIFIED IN TABLE II WHEN PROPERLY INSTALLED IN LOW CARBON STEEL SHEET.
- (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 – PERFORMANCE AND INSTALLATION DATA.

THREAD SIZE	PUSH-OUT IN-LB	TORQUE-OUT IN-LB MIN	APPROX INSTALLATION FORCE LB
.0860-56 UNJC-3B	20	5	300
.1120-40 UNJC-3B	40	5	600
.1380-32 UNJC-3B	60	8	750
.1640-32 UNJC-3B	80	12	1,000
.1900-32 UNJF-3B	100	15	1,500

① COMPLETELY REVISED

REVISION

1

NASM45938/5
SHEET 2



Documents

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