

① COMPLETELY REVISED

FED. SUPPLY CLASS

5310

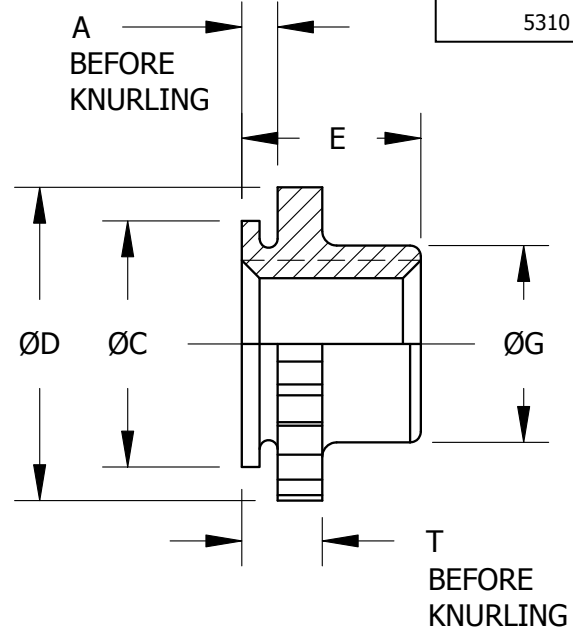
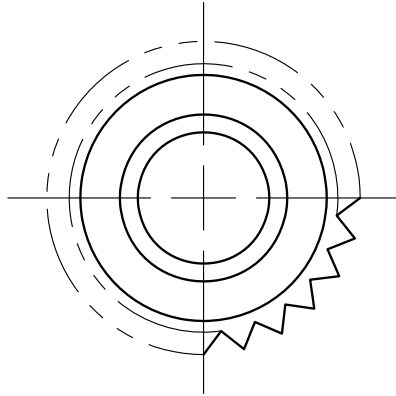


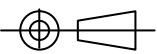
FIGURE 1 – NUT, PLAIN, CLINCH AND NUT, SELF-LOCKING, CLINCH

TABLE I – PART DIMENSIONS AND DASH NUMBERS /9/

DASH NUMBER			THREAD CLASS 3B AS8879	A ±.004	SHEET THKNS MIN	HOLE SIZE IN SHEET +.004 -.001	ØC +.001 -.004	ØD ±.015	E ±.015	ØG ±.005	T ±.005	CENTER OF HOLE TO SHEET EDGE MIN /5/
ALLOY STEEL (450 °F)	CRES 303 (450 °F)	CRES A286 (600 °F)										
1	1C	–	.0860-56 UNJC	.030	.040	.201	.199	.260	.178	.125	.078	.188
2*	–	2C*				.125	.123	.190	.140	.106		
3	3C	–	.1120-40 UNJC	.030	.040	.201	.199	.260	.178	.160	.078	.203
4*	–	4C*				.156	.154	.220	.160	.135		
5	5C	–	.1380-32 UNJC	.030	.040	.228	.226	.290	.178	.175	.078	.250
6*	–	6C*				.188	.186	.250	.178	.141		
7	7C	–	.1640-32 UNJC	.040	.050	.281	.279	.350	.188	.215	.088	.281
8*	–	8C*				.219	.217	.280	.188	.200		
9	9C	–	.1900-32 UNJF	.040	.050	.281	.279	.350	.188	.240	.088	.281
10	10C	–	.2500-28 UNJF	.050	.060	.375	.373	.450	.250	.313	.115	.375
11	11C	–	.3125-24 UNJF	.063	.080	.406	.404	.490	.312	.386	.141	.406
12	12C	–	.3750-24 UNJF	.094	.125	.500	.498	.560	.375	.448	.188	.500
13	13C	–	.1900-24 UNJC	.040	.050	.281	.279	.350	.188	.240	.088	.281
14	14C	–	.2500-20 UNJC	.050	.060	.375	.373	.450	.250	.313	.115	.375
15	15C	–	.3125-18 UNJC	.063	.080	.406	.404	.490	.312	.386	.141	.406
16	16C	–	.3750-16 UNJC	.094	.125	.500	.498	.560	.375	.448	.188	.500

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-N-45938/3, REVISION B, AMENDMENT 2.
PART NUMBERS REMAIN M45938/3.

THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

1

PROCUREMENT
SPECIFICATION

NASM45938

TITLE

**NUT, PLAIN, CLINCH AND NUT, SELF-LOCKING, CLINCH,
SELF CLINCHING, KNURLLED COLLAR, 450 °F AND 600 °F**

①

CLASSIFICATION
PART STANDARD

NASM45938/3

SHEET 1 OF 4

MATERIAL:

STEEL, ALLOY, GRADE 4130 (UNS G41300) PER AMS6370, GRADE 4140 (UNS G41400) PER AMS6382 OR GRADE 8740 (UNS G87400) PER AMS6322. FOR USE IN MATERIALS WITH A HARDNESS OF 28 HRC MAX.

CRES, TYPE A286 (UNS S66286) PER AMS5731, AMS5732, AMS5734 OR AMS5737 FOR USE IN MATERIALS WITH A HARDNESS OF 90 HRB MAX.

CRES, TYPE 303 (UNS S30300) PER ASTM A581/A581M OR ASTM A582/A582M FOR USE IN MATERIALS WITH A HARDNESS OF 90 HRB MAX.

FINISH:

STEEL, ALLOY, SHALL BE CADMIUM PLATED PER AMS-QQ-P-416, TYPE III, CLASS 3.
CRES TYPE 303 AND A286 SHALL BE CLEANED AND DESCALED IN ACCORDANCE WITH ASTM A380 AND PASSIVATED IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.
SELF-LOCKING CRES (TYPE A286) NUTS SHALL BE SILVER PLATED.

LUBRICATION:

ALLOY STEEL AND SELF-LOCKING CRES NUTS SHALL HAVE SOLID FILM LUBRICANT COATING.

CODE:

THE PART NUMBER CONSISTS OF THE BASIC PART NUMBER AND A DASH NUMBER TAKEN FROM TABLE I, PLUS LETTER "L" FOR SELF-LOCKING NUT OR LEAVE BLANK FOR NON-LOCKING FEATURE.

EXAMPLE OF PART NUMBER:

M45938/3-1 C L = NUT, PLAIN, CLINCH, SELF-LOCKING, SELF-CLINCHING, KNURLED COLLAR, 450 °F, .0860-56 UNJC-3B INTERNAL THREAD, 303 CRES, CLEANED, DESCALED AND PASSIVATED, SOLID FILM LUBRICANT COATING.

— SELF-LOCKING (NON-LOCKING TO BE LEFT BLANK)
— MATERIAL & FINISH CHARACTERISTICS
— DIMENSIONAL CHARACTERISTICS (SEE TABLE I)
— BASIC PART NUMBER

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) THE THREADS SHALL BE IN ACCORDANCE WITH AS8879 PRIOR TO SOLID FILM LUBRICANT COATING. THE UPPER PORTION OF THE NUT SHALL BE DEFORMED TO PROVIDE SELF LOCKING FEATURE.

① COMPLETELY REVISED

REVISION
1
NAS M45938-3
SHEET 2

