

FED. SUPPLY CLASS

5310

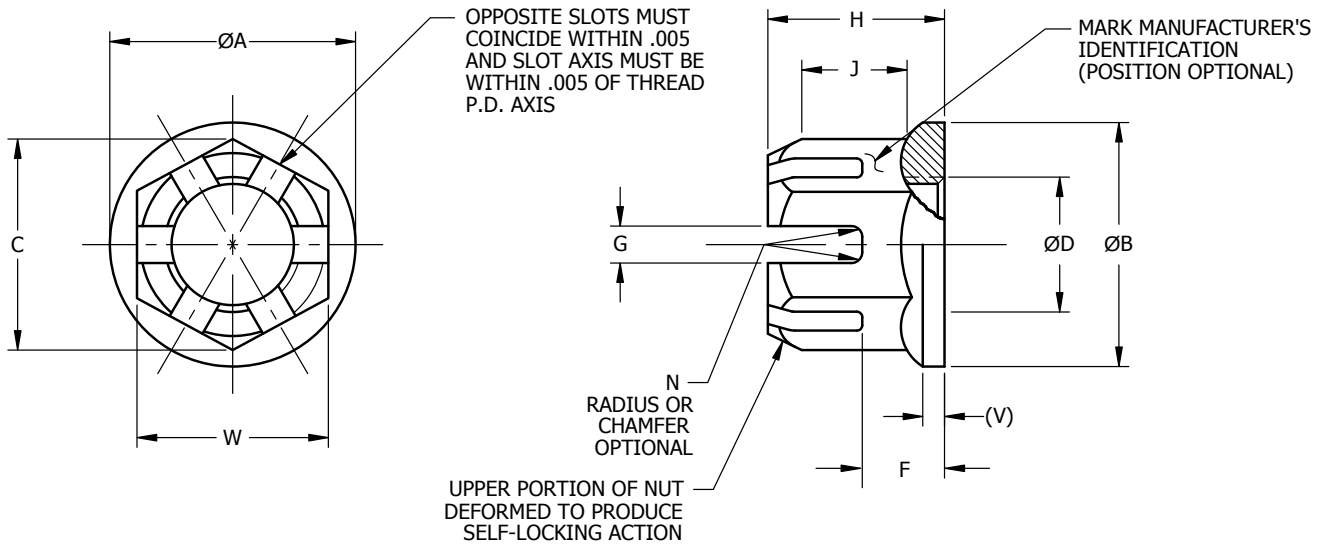


FIGURE 1 – NUT

TABLE I – DASH NUMBERS & DIMENSIONS

DASH NO.		THREAD AS8879 UNJF-3B	ØA MAX	ØB MIN	C MIN	ØD MAX	F ±.016	G		H		J MIN	N MAX	(V)	W		ULTIMATE TENSILE STRENGTH LBF MIN	WT LB/100 MAX	COTTER PIN SIZE (REF)
NON SOLID FILM LUBT	SOLID FILM LUBT							MAX	MIN	MAX	MIN				MAX	MIN			
3	L3	.1900-32	.325	.291	.277	.220	.109	.065	.050	.265	.235	.150	.035	.025	.252	.243	2,460	.20	.047
4	L4	.2500-28	.420	.386	.348	.280	.125	.100	.070	.296	.266	.175	.035	.025	.315	.305	4,580	.34	.062
5	L5	.3125-24	.520	.482	.419	.342	.172	.100	.070	.343	.313	.200	.035	.055	.378	.367	7,390	.57	.062
6	L6	.3750-24	.579	.539	.480	.405	.219	.155	.125	.421	.391	.250	.053	.070	.440	.429	11,450	.88	.094
7	L7	.4375-20	.645	.600	.552	.467	.266	.155	.125	.468	.438	.300	.053	.070	.504	.492	15,450	1.20	.094
8	L8	.5000-20	.770	.725	.623	.530	.359	.155	.125	.578	.548	.400	.053	.070	.566	.554	21,110	1.90	.094
9	L9	.5625-18	.850	.815	.765	.592	.391	.186	.156	.624	.594	.475	.062	.080	.692	.678	26,810	3.30	.125
10	L10	.6250-18	.910	.875	.836	.655	.469	.186	.156	.734	.704	.550	.062	.090	.755	.741	34,130	4.30	.125
12	L12	.7500-16	1.130	1.095	.978	.785	.563	.186	.156	.828	.798	.625	.062	.100	.880	.865	50,020	6.00	.125
14	L14	.8750-14	1.345	1.300	1.121	.910	.656	.186	.156	.921	.891	.675	.062	.120	1.006	.990	68,440	10.00	.125
16	L16	1.0000-12	1.545	1.500	1.263	1.035	.750	.186	.156	1.015	.985	.750	.062	.120	1.132	1.115	90,000	14.00	.125
18	L18	1.1250-12	1.745	1.700	1.414	1.160	.813	.186	.156	1.171	1.141	.875	.062	.140	1.257	1.239	116,700	19.00	.125
20	L20	1.2500-12	1.915	1.875	1.556	1.285	.875	.186	.156	1.265	1.235	.950	.062	.140	1.383	1.364	147,940	24.00	.125

② COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS14144, REVISION C, AMENDMENT 1.
PART NUMBERS REMAIN MS14144.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NOTED	TITLE NUT, SELF-LOCKING, LIGHTWEIGHT, CASTELLATED, 450 °F	CLASSIFICATION PART STANDARD MSM14144

MATERIAL:

CARBON AND ALLOY STEEL:

1035 (UNS G10350) PER AMS5080, ~~AMS-QQ-S-700~~.
 1042 (UNS G10420) PER AMS5080.
 1050 (UNS G10500) PER AMS5085.
 1137 (UNS G11370) PER AMS5024.
 11L37 (UNS G11374) PER AMS5020.
 4027 (UNS G40270) PER ASTM A322.
 4037 (UNS G40370) PER ASTM A322, ~~ASTM A331~~, ASTM A108, ASTM A519, ~~ASTM A547~~, AMS6300.
 8630 (UNS G86300) PER AMS6280, ~~AMS6355~~, ~~AMS6530~~, ~~AMS6550~~.
 8740 (UNS G87400) PER AMS6322, AMS6323, AMS6325, AMS6327, AMS6358.
 4130 (UNS G41300) PER AMS6350, AMS6360.
 34CrMo4 PER DIN/BS/NF EN10083-1 AND DIN/BS/NF EN10083-3.
 34CrMo4 PER DIN/BS/NF EN10132-1 AND DIN/BS/NF EN10132-3.
 35CD4, FE-PL1503 PER NF L 09-752.

FINISH:

CADMIUM PLATED IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.
 TYPE AND CLASS OPTIONAL FOR SOLID FILM LUBRICATED NUTS IF PARTS MEET SALT SPRAY
 REQUIREMENTS OF AMS-QQ-P-416, TYPE II.

LUBRICATION:

LUBRICANT APPROVED IN ACCORDANCE WITH NASM25027.
 LUBRICANTS, EXCEPT SOLID FILM LUBRICANTS, SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN
 THE PROCUREMENT SPECIFICATION.

CODE:

THE PART NUMBER SHALL CONSIST OF THE BASIC PART NUMBER PLUS A DASH NUMBER.
 FOR SOLID FILM LUBRICATED NUTS, INSERT LETTER "L" BETWEEN BASIC PART NUMBER AND DASH
 NUMBER.

EXAMPLE OF PART NUMBER:

MS14144-4 = .2500-28 NUT, CADMIUM PLATED, SOLUBLE LUBRICANT

└── DASH NUMBER
 └── BASIC PART NUMBER

MS14144L4 = .2500-28 NUT, CADMIUM PLATED, SOLID FILM LUBRICATED

REVISION
2
MS14144
SHEET 2

② COMPLETELY REVISED