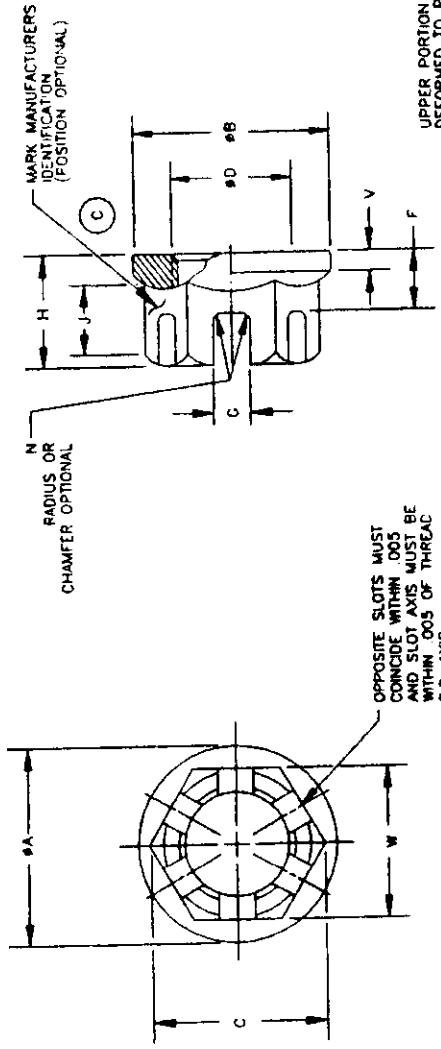


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDSS-SPECIFIED IN THE SOLICITATION: MIL-N-25027

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.



OPPOSITE SLOTS MUST CONINCIDE WITHIN .005 AND SLOT AXIS MUST BE WITHIN .005 OF THREAD P.D. AXIS.

UPPER PORTION OF NUT DEFORMED TO PRODUCE SELF-LOCKING ACTION

DASH NUMBER	THREAD	#A		#B		C		#D		F		G		H		J		N		V		W		ULTIMATE TENSILE STRENGTH LB MIN	WEIGHT LB/100	COTTER PIN SIZE (REF)
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX				
3	L3 .1900-32UNJF-3B	325	.291	.277	.220	.094	.065	.050	.203	.173	.090	.035	.020	.252	.243	1,230	16	3/84								
4	L4 .2500-28UNJF-3B	420	.386	.345	.280	.094	.100	.070	.203	.173	.100	.035	.020	.315	.305	2,290	25	1/16								
5	L5 .3125-24UNJF-3B	520	.482	.419	.342	.094	.100	.070	.203	.173	.100	.035	.020	.378	.367	3,700	36	1/16								
6	L6 .3750-24UNJF-3B	579	.539	.480	.405	.109	.155	.125	.234	.204	.110	.053	.025	.440	.429	5,720	49	3/32								
7	L7 .4375-20UNJF-3B	645	.600	.552	.467	.109	.155	.125	.234	.204	.110	.053	.025	.504	.492	7,720	60	3/32								
8	L8 .5000-20UNJF-3B	770	.725	.623	.530	.141	.155	.125	.265	.235	.120	.053	.030	.566	.554	10,550	95	3/32								
9	L9 .5625-18UNJF-3B	850	.815	.765	.592	.188	.186	.156	.328	.298	.175	.062	.045	.628	.616	13,400	170	1/8								
10	L10 .6250-18UNJF-3B	910	.875	.836	.655	.188	.186	.156	.328	.298	.175	.062	.055	.755	.741	17,060	190	1/8								
12	L12 .7500-16UNJF-3B	1,130	1,095	.978	.785	.250	.186	.156	.390	.360	.200	.062	.055	.860	.865	25,010	280	1/8								
14	L14 .8750-14UNJF-3B	1,345	1,300	1,121	910	.313	.186	.156	.452	.422	.250	.062	.070	1,006	.990	34,220	530	1/8								
16	L16 1.0000-12UNJF-3B	1,545	1,500	1,263	1,035	.375	.186	.156	.515	.485	.300	.062	.070	1,132	1,115	45,000	740	1/8								
18	L18 1.1250-12UNJF-3B	1,745	1,700	1,414	1,160	.406	.186	.156	.578	.548	.350	.062	.090	1,257	1,239	58,350	1,100	1/8								
20	L20 1.2500-12UNJF-3B	1,915	1,875	1,558	1,285	.468	.186	.156	.640	.610	.375	.062	.090	1,383	1,364	73,970	1,400	1/8								

(C) DENOTES CHANGE(S)

INCH - POUND

PREPARING ACTIVITY: DLA-IS  
CUSTODIANS: ARMY-AY NAVY-AS  
AIR FORCE-99 DLA-  
REVIEW USER:  
PROJECT NUMBER: 5310-2031

MILITARY SPECIFICATION SHEET  
TITLE  
NUT, SELF-LOCKING, LIGHTWEIGHT, THIN, CASTELLATED, 450°F.

SPECIFICATION SHEET NUMBER  
MS14145 31 OCT 94 REV C  
SUPERSEDING  
MS14145 B 27 APR 93  
AMSC- N/A FSC 5310

DISTRIBUTION STATEMENT  
A Approved for public release; distribution is unlimited.  
Page 1 of 2

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-N-25027

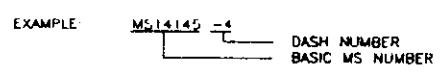
THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

Form Approved  
OMB N. 0704-0168

**(C) REQUIREMENTS**

1. **MATERIAL:** STEEL UNS G10350 (AISI C1035) PER AMS 5080, 00-S-700  
 UNS G10420 (AISI C1042) PER AMS 5080  
 UNS G10500 (AISI 1050) PER AMS 5085  
 UNS G11370 (AISI 1137) PER AMS 5024  
 UNS G11374 (AISI 11L37) PER AMS 5020  
 UNS G40270 (AISI 4027) PER ASTM A322  
 UNS G40370 (AISI 4037) PER ASTM A322, A331, A519, A547  
 UNS G87400 (AISI 8740) PER AMS 6322, AMS 6323, AMS 6325, AMS 6327, AMS 6358
2. **PLATING:** STEEL NUTS (WITHOUT DRY FILM LUBRICANT) CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2. DRY FILM LUBRICATED STEEL NUTS IN ACCORDANCE WITH QQ-P-416, TYPE AND CLASS OPTIONAL IF NUTS MEET THE SALT SPRAY REQUIREMENTS OF QQ-P-416, TYPE II
3. **SURFACE TEXTURE:** SURFACE TEXTURE SHALL BE IN ACCORDANCE WITH ANSI/ASME B46.1 SHALL NOT EXCEED 125 MICROINCHES
4. **LUBRICANT:** LUBRICANT APPROVED IN ACCORDANCE WITH MIL-N-25027. LUBRICANTS, EXCEPT DRY FILM LUBRICANTS, SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN THE PROCUREMENT SPECIFICATION
5. **THREADS:** IN ACCORDANCE WITH MIL-S-8879 BEFORE LUBRICATION
6. **EDGES:** BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
7. **PERFORMANCE:** MIL-N-25027 EXCEPT LOCKING TORQUE VALUES APPLICABLE FOR 5 CYCLES.

**(C) 8. PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER PLUS A DASH NUMBER



MS14145 L4-2500-28 NUT, CADMIUM PLATED, DRY FILM LUBRICATED.  
 MS14145-4-2500-28 NUT, CADMIUM PLATED, SOLUBLE LUBRICANT.

**(C) NOTES:**

1. DIMENSIONS IN INCHES.
2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE.
3. UNLESS OTHERWISE SPECIFIED, ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION
4. DESIGN INFORMATION: THESE NUTS MAY BE USED AT TEMPERATURES 450F AND BELOW IN THOSE TYPES OF APPLICATIONS FOR WHICH SLOTTED OR CASTELLATED NUTS ARE APPROVED FOR USE, AND IF SUCH APPLICATIONS CONFLICT WITH ANY LIMITATIONS ON THE USE OF SELF-LOCKING NUTS, AS CITED BY MS3358B, THIS STANDARD TAKES PRECEDENCE. NUTS ARE TO BE INSTALLED IN ACCORDANCE WITH MS33540
5. BIDS SHALL BE SOLICITED ONLY FROM THE MANUFACTURERS OR DISTRIBUTORS LISTED ON DPL-25027

PREPARING ACTIVITY: DLA-IS CUSTODIANS: ARMY-AV      NAVY-AS AIR FORCE-99      DLA-	<b>MILITARY SPECIFICATION SHEET</b> TITLE NUT, SELF-LOCKING, LIGHTWEIGHT, THIN, CASTELLATED, 450F.	SPECIFICATION SHEET NUMBER <div style="font-size: 1.2em; font-weight: bold;">MS14145</div> <div style="font-size: 0.8em;">31 OCT 94 REV C</div> <hr/> SUPERSEDING <div style="font-size: 0.8em;">MS14145 B 27 APR 93</div> <hr/> AMSC- N/A      FSC 5310
REVIEW USER: PROJECT NUMBER: 5310-1861	DISTRIBUTION STATEMENT <div style="text-align: center; font-size: 0.8em;">A. Approved for public release; distribution is unlimited</div>	
		Page <u>2</u> of <u>2</u>