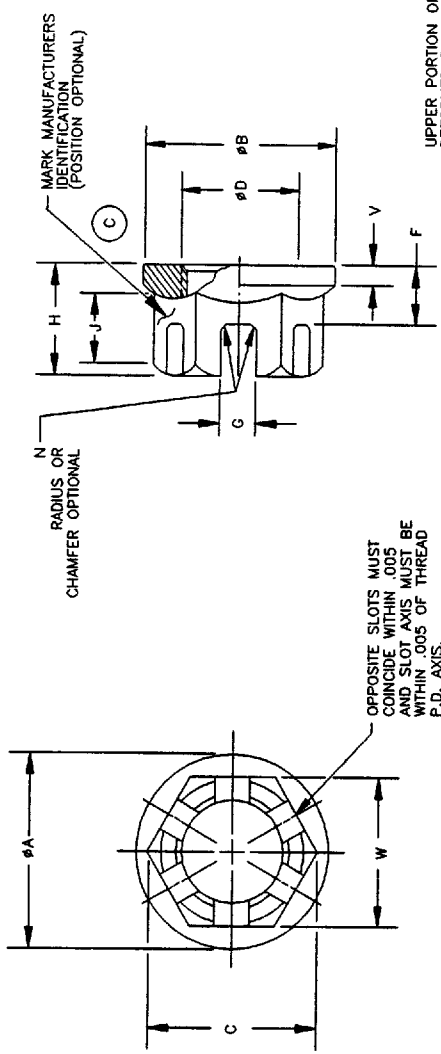


Form Approved
 OMB No. 0704-0188

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.



UPPER PORTION OF NUT DEFORMED TO PRODUCE SELF-LOCKING ACTION.

DASH NUMBER	NON DRY LUB	DRY LUB	THREAD	ØA		ØB		C		ØD		F	G		H		J		N		V		W		ULTIMATE TENSILE STRENGTH LB MIN	WEIGHT LB/100 MAX	COTTER PIN SIZE (REF)
				MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN			
3	L3		.1900-32UNJF-3B	.325	.291	.277	.220	.084	.085	.050	.203	.173	.090	.035	.020	.252	.243	1,230	.16	3/64							
4	L4		.2500-28UNJF-3B	.420	.386	.348	.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	.084	.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	.48	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	.285	.235	.170	.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	.692	.678	13,400	1.70	1/8							
10	L10		.6250-18UNJF-3B	.910	.875	.836	.655	.188	.186	.156	.328	.298	.175	.062	.055	.755	.741	17,060	1.90	1/8							
12	L12		.7500-16UNJF-3B	1.130	1.085	.978	.785	.250	.186	.156	.390	.360	.200	.062	.055	.880	.865	25,010	2.80	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	5.30	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	7.40	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	11.00	1/8							
20	L20		1.2500-12UNJF-3B	1.915	1.875	1.556	1.285	.469	.186	.156	.640	.610	.375	.062	.090	1.383	1.364	73,970	14.00	1/8							

Ⓒ DENOTES CHANGE(S)

INCH - POUND

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

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

A. Approved for public release; distribution is unlimited.

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Form Approved
 OMB No. 0704-0188

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 DODSS SPECIFIED IN THE SOLICITATION: MIL-N-25027

(C) REQUIREMENTS:

1. MATERIAL: STEEL UNS G10350 (AISI C1035) PER AMS 5080, QQ-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 B740) 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.

EXAMPLE: MS14145 -4
 └───┬───┘
 DASH NUMBER
 BASIC MS 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.
- (C) 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.
- (C) 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 450°F 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 MS33588, 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 QPL-25027.

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

PREPARING ACTIVITY: DLA-IS CUSTODIANS: ARMY-AV NAVY-AS AIR FORCE-99 DLA- REVIEW: USER: PROJECT NUMBER: 5310-1861	MILITARY SPECIFICATION SHEET TITLE NUT, SELF-LOCKING, LIGHTWEIGHT, THIN, CASTELLATED, 450F.	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 2 of 2