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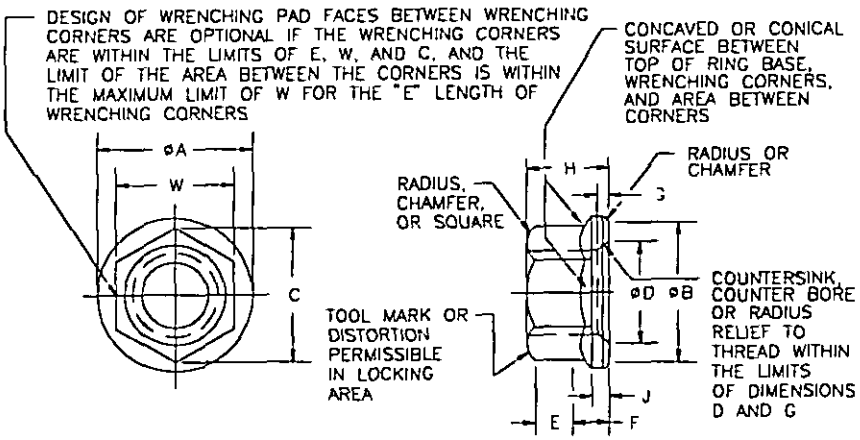

TABLE I

SIZE DASH NO.	(a) THREAD	ØA MAX	ØB MIN	C MIN	ØD MAX	ØD MIN	(d) E MIN	(e) F MIN	G MAX	G MIN	H MAX	H MIN	J MIN	(c) W MAX	(c) W MIN	(b) X	(f) WRENCHING TORQUE IN LBS	(g) AXIAL STRENGTH LBS MIN	WT LBS/100 MAX
04	4-40 UNJC-3B	.206	.176	.171	.142	.112	.050	.028	.027	.005	.125	.103	.010	.158	.150	.003	11	755	.050
06	6-32 UNJC-3B	.244	.214	.207	.168	.138	.055	.039	.031	.006	.141	.115		.190	.181		17	1,136	.080
08	8-32 UNJC-3B	.290	.260	.244	.194	.164	.060	.041			.188	.125	.015	.221	.213		23	1,720	.150
3	10-32 UNJF-3B	.330	.290	.277	.220	.190	.065	.043				.154		.252	.243		46	2,460	.180
4	1/4-28 UNJF-3B	.420	.386	.347	.280	.250	.090	.057	.036	.007	.219	.204	.019	.318	.304		115	4,580	.350
5	5/16-24 UNJF-3B	.520	.482	.419	.342	.312	.120	.077	.042	.008	.266	.251	.230	.378	.367	.004	260	7,390	.600
6	3/8-24 UNJF-3B	.620	.575	.491	.405	.375	.125	.089			.282	.267	.030	.440	.430		450	11,450	.800

(a) THREADS PER MIL-S-8879.
(b) BEARING SURFACE SHALL BE SQUARE WITH PITCH DIAMETER WITHIN "X" WHEN MEASURED IN ACCORDANCE WITH MIL-N-25027.
(c) DIMENSIONS ACROSS FLATS INCLUDE DEFORMATION OF SELF-LOCKING ELEMENT.
(d) MINIMUM LENGTH OF EACH WRENCHING CORNER.
(e) MINIMUM DISTANCE FROM THE WASHER FACE OF THE NUT TO THE BEGINNING OF THE MINIMUM LENGTH OF "E" OF EACH WRENCHING CORNER.
(f) NUTS SHALL BE TESTED FOR WRENCHING TORQUE BY USING A BOX OR SOCKET WRENCH.
(g) TEST BOLTS SHALL BE 180,000 PSI MINIMUM.

REQUIREMENTS:

(E) 1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL PER AMS 5525 (A286), AMS 5731 (A286) OR AMS 5732.

2. PLATING: SILVER PLATE ALL THREADED SURFACES ON NUT PER AMS 2410. THREADS SHALL SHOW COMPLETE COVERAGE. SILVER PLATING ON ALL OTHER SURFACES OPTIONAL. TARNISHING OR DISCOLORATION OF SILVER NOT CAUSE FOR REJECTION.

3. LUBRICANTS: LUBRICANT FOR SILVER PLATED NUTS SHALL BE SOLUBLE IN CLEANER SPECIFIED IN MIL-N-25027.

4. MAGNETIC PERMEABILITY: SHALL BE LESS THAN 2.0 (AIR=1.0) FOR A FIELD STRENGTH = 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR MIL-I-17214.

(E) 5. SURFACE TEXTURE: SURFACE ROUGHNESS SHALL BE NOT GREATER THAN 125 MICROINCHES IN ACCORDANCE WITH ANSI/ASME B46.1.

(E) DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: DLA-IS CUSTODIANS: ARMY- AV NAVY- AIR FORCE- 11 DLA- REVIEW: AR, ER, MI, OS, SH, 99, USER: PROJECT NUMBER: 5310-1985	MILITARY SPECIFICATION SHEET TITLE NUT, SELF-LOCKING, 800°F, REDUCED HEXAGON, REDUCED HEIGHT, RING BASE, CORROSION RESISTANT STEEL	SPECIFICATION SHEET NUMBER MS21043 30 JUN 94 REV E SUPERSEDING MS21043D 27 SEP 85 AMSC- N/A FSC -5310

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NOTES:

1. REMOVE ALL SHARP EDGES AND BURRS.
2. DIMENSIONS IN INCHES.
3. DESIGN AND USAGE LIMITATIONS SHALL BE IN ACCORDANCE WITH MS33588.
4. INTERCHANGEABILITY RELATION: MS21043 NUTS CAN UNIVERSALLY REPLACE NAS 679, NAS 1021, NAS 1022 AND NAS 1291 NUTS WITH SIMILAR DIMENSIONS, MATERIAL AND FINISH, BUT THE NAS PART NUMBERS CANNOT REPLACE THE MS21043 PART NUMBERS (SEE TABLE II).
5. EXAMPLE OF PART NUMBER
   MS21043-4 = 1/4-28 NUT, SILVER PLATED
   - PLATING - NO CODE DENOTES SILVER PLATE
   - SIZE DASH NUMBER
   - BASIC MS NUMBER
6. CERTAIN PROVISIONS (THE DIMENSIONS ACROSS THE WRENCHING FLATS) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ARCO AIR STD 17/2. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIAN WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMEET CONCERNED.
7. (E) 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.
8. (E) UNLESS OTHERWISE SPECIFIED, ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION.

PREPARING ACTIVITY: DLA-IS CUSTODIANS: ARMY-AV NAVY- AIR FORCE- DLA- REVIEW: AR, CR, MI, OS, SH, 99. USER: PROJECT NUMBER: 5310-1985	MILITARY SPECIFICATION SHEET TITLE NUT, SELF-LOCKING, 800°F, REDUCED HEXAGON, REDUCED HEIGHT, RING BASE, CORROSION RESISTANT STEEL	SPECIFICATION SHEET NUMBER MS21043 30 JUN 94 REV E SUPERSEDING MS21043D 27 SEP 85 AMSC- N/A FSC -5310

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TABLE II
INTERCHANGEABILITY TABLE

CANCELLED AND INACTIVATED PART NUMBERS				SUBSTITUTIVE PART NUMBERS
NAS 679	NAS 1021	NAS 1022	NAS 1291	
-	-	-	C02	NONE
C04	C04	-	C04	MS21043-04
C06	C06	C06	C06	MS21043-06
C08	C08	C08	C08	MS21043-08
C3	C3	C3	C3	MS21043-3
C4	C4	C4	C4	MS21043-4
C5	C5	C5	C5	MS21043-5
C6	C6	C6	C6	MS21043-6
C7	-	C7	C7	NONE
-	C7	-	-	SEE MS21046
-	-	C8	C8	NONE
-	C8	-	-	SEE MS21046
-	-	C9	C9	NONE
-	C9	-	-	SEE MS21046
-	-	C10	C10	NONE
-	C10	-	-	SEE MS21046
-	-	C12	-	NONE
-	C12	-	-	SEE MS21046
-	-	C14	-	NONE
-	C14	-	-	SEE MS21046
-	-	C16	-	NONE
-	C16	-	-	SEE MS21046
-	C17	C17	-	NONE
-	-	C18	-	NONE
-	C18	-	-	SEE MS21046
-	-	C20	-	NONE
-	C20	-	-	SEE MS21046

PREPARING ACTIVITY: DLA-IS
CUSTODIANS: ARMY-AV NAVY-
AIR FORCE- DLA-
REVIEW: AR, ER, MI, OS, SH, 99.
USER:
PROJECT NUMBER: 5310-1985

MILITARY SPECIFICATION SHEET

TITLE

NUT, SELF-LOCKING, 800°F, REDUCED HEXAGON, REDUCED HEIGHT, RING BASE, CORROSION RESISTANT STEEL

SPECIFICATION SHEET NUMBER
MS21043 30 JUN 94 REV E

SUPERSEDING
MS21043D 27 SEP 85

AMSC- N/A FSC -5310

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