

FED SUP CLASS  
5310

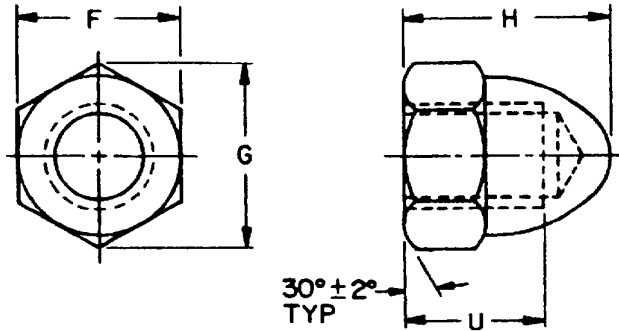


TABLE I. DASH NUMBERS AND DIMENSIONS

CARBON STEEL	DASH NUMBER 1/			SIZE	THREAD -2B	F WIDTH ACROSS FLATS			G WIDTH ACROSS CORNERS		H HEIGHT	U FULL THREAD MIN
	CRS	BRASS	NYLON			MIN	MAX	MIN	MAX	MIN		
1	21	411	511	.138	32UNC 40UNF	5/16	.3125	.302	.361	.344	.422	.187
61	81	201	301									
2	22	412	512	.164	32UNC 36UNF	5/16	.3125	.302	.361	.344	.422	.187
62	82	202	302									
3	23	413	513	.190	24UNC 32UNF	3/8	.3750	.362	.433	.413	.516	.250
63	83	203	303									
5	25	415	515	.250	20UNC 28UNF	7/16	.4375	.428	.505	.488	.594	.313
65	85	205	305									
6	26	416	516	.3125	18UNC 24UNF	1/2	.5000	.489	.577	.557	.690	.375
66	86	206	306									
7	27	417	517	.375	16UNC 24UNF	9/16	.5625	.551	.650	.628	.781	.469
67	87	207	307									
<del>8</del>	<del>28</del>	<del>418</del>		<del>.4375</del>	<del>14UNC 30UNF</del>	<del>5/8</del>	<del>.6250</del>	<del>.612</del>	<del>.722</del>	<del>.698</del>	<del>.880</del>	<del>.520</del>
<del>68</del>	<del>88</del>	<del>208</del>										
9	29	419	519	.500	13UNC 20UNF	3/4	.7500	.736	.866	.840	1.031	.625
69	89	209	309									
<del>10</del>	<del>30</del>	<del>420</del>		<del>.5625</del>	<del>12UNC 18UNF</del>	<del>7/8</del>	<del>.8750</del>	<del>.861</del>	<del>1.020</del>	<del>.982</del>	<del>1.290</del>	<del>.690</del>
<del>70</del>	<del>90</del>	<del>210</del>										
11	31	421	521	.625	11UNC 18UNF	15/16	.9375	.922	1.083	1.051	1.281	.781
71	91	211	311									
12	32	422	522	.750	10UNC 16UNF	1-1/16	1.0625	1.045	1.227	1.191	1.460	.938
72	92	212	312									
<del>13</del>	<del>33</del>	<del>423</del>		<del>.875</del>	<del>9UNC 14UNF</del>	<del>1-1/4</del>	<del>1.2500</del>	<del>1.231</del>	<del>1.443</del>	<del>1.403</del>	<del>1.720</del>	<del>1.080</del>
<del>73</del>	<del>93</del>	<del>213</del>										
14	34	424	524	1.000	8UNC 12UNF	1-7/16	1.4375	1.417	1.660	1.615	1.968	1.250
74	94	214	314									
<del>15</del>	<del>35</del>	<del>425</del>		<del>1.125</del>	<del>7UNC 12UNF</del>	<del>1-5/8</del>	<del>1.6250</del>	<del>1.602</del>	<del>1.876</del>	<del>1.826</del>	<del>2.220</del>	<del>1.410</del>
<del>75</del>	<del>95</del>	<del>215</del>										
16	36	426	526	1.250	7UNC 12UNF	1-13/16	1.8125	1.788	2.093	2.038	2.469	1.563
76	96	216	316									

1/ Lined out dash numbers are  
INACTIVE FOR NEW DESIGN AFTER 18 March 1974.

(F) DENOTES CHANGE

INCH-POUND

PA ARMY-AR Other Cust	INTERNATIONAL INTEREST	TITLE NUT, PLAIN, CAP, HIGH CROWN UNC-2B AND UNF-2B	MILITARY STANDARD MS24680
AIR FORCE-82		BRBX3 AND BRBX4	PAGE 1 OF 2
PROCUREMENT SPECIFICATION FF-N-836	SUPERSEDES		

APPROVED 28 APR 60  
REVISED (E) 15 MAR 90

USER ACTIVITIES  
ARMY - AT, ME  
NAVY - AS, MC, OS, SH

REVIEWER ACTIVE  
ARMY - AV  
DLA - IS

DISTRIBUTION STATEMENT  
Approved for public release; distribution is unlimited  
This military standard is  
not for all new engineering and design applications and for repetitive use shall be made from this  
document when applicable

REQUIREMENTS

1. MATERIALS

- a. STEEL, CARBON, TYPE 1018 (UNS G10180), TYPE 1020 (UNS G10200) OR TYPE 1118 (UNS G11180) IN ACCORDANCE WITH ASTM A576. MINIMUM ULTIMATE TENSILE STRENGTH OF 60,000 PSI REQUIRED.
- b. STEEL, CORROSION RESISTANT, TYPE 416 (UNS S41600) IN ACCORDANCE WITH ASTM A582. MINIMUM ULTIMATE TENSILE STRENGTH OF 80,000 PSI REQUIRED.
- c. BRASS, COMPOSITION 11, IN ACCORDANCE WITH QQ-B-613. MINIMUM ULTIMATE TENSILE STRENGTH OF 55,000 PSI REQUIRED.
- d. PLASTIC, POLYAMIDE (NYLON), IN ACCORDANCE WITH DESIGNATION PA 111 OF ASTM D4066, COLOR, NATURAL.

2. FINAL PROTECTIVE FINISH

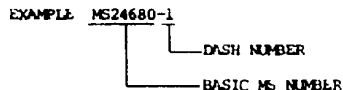
- a. STEEL, CARBON SHALL HAVE CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2
- b. STEEL, CORROSION RESISTANT SHALL BE CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH QQ-P-35, TYPE II
- c. BRASS SHALL HAVE BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-F-495

3. THREAD

THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2. INSPECTION OF THREAD ACCEPTABILITY SHALL BE IN ACCORDANCE WITH FED-STD-H28/20 SYSTEM 21.

4. PART NUMBER

THE MS PART NUMBER CONSISTS OF THE MS NUMBER, PLUS THE DASH NUMBER



MS24680-1 INDICATES NUT, PLAIN, CAP, HIGH CROWN, 138-32 UNC-2B THREAD, CARBON STEEL, CADMIUM PLATED

NOTES

- (F) 1. DIMENSIONS ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS AND TOLERANCES NOT SPECIFIED SHALL BE IN ACCORDANCE WITH SAE J483.
- 2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
- 3. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

TABLE II  
INTERCHANGEABILITY

THE FOLLOWING DASH NUMBERS AS GIVEN IN THE ORIGINAL ISSUE OF THIS STANDARD ARE CANCELED AFTER 15 JUNE 1967. THE CANCELED NUTS SHOULD BE USED FOR MAINTENANCE PURPOSES UNTIL EXISTING STOCK IS DEPLETED. USE ONLY THE SUPERSEDING NUTS FOR NEW DESIGN.

PART NUMBER		PART NUMBER		PART NUMBER	
CANCELED MS24680	SUPERSEDING MS24680	CANCELED MS24680	SUPERSEDING MS24680	CANCELED MS24680	SUPERSEDING MS24680
41	411	52	422	107	207
42	412	53	423	108	208
43	413	54	424	109	209
45	415	55	425	110	210
46	416	56	426	111	211
47	417	101	201	112	212
48	418	102	202	113	213
49	419	103	203	114	214
50	420	105	205	115	215
51	421	106	206	116	216

USER ACTIVITIES  
ARMY-AT, ME  
NAVY-AS, MC, OS, SH

REVIEWER ACTIVITIES  
ARMY-AV  
DLA-IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for refigure use shall be made from this document when applicable.

APPROVED 28 APR 60 REVISED (F) FOR CHANGES SEE PAGE 2

PA	ARMY-AR	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Curt			NUT, PLAIN, CAP, HIGH CROWN UNC-2B AND UNF-2B	MS24680
AIR FORCE-82				
PROCUREMENT SPECIFICATION	SUPERSEDES	BRBX3 AND BRBX4	PAGE	OF
FF-N-836			2	2