

TABLE I. DASH NUMBERS AND DIMENSIONS

CARBON STEEL	DASH NUMBER 1/			SIZE	THREAD -2B	F WIDTH ACROSS FLATS			G WIDTH ACROSS CORNERS		H HEIGHT MIN	U FULL THREAD MIN
	CHS	BRASS	NYLON			NOM	MAX	MIN	MAX	MIN		
1	21	411	511	.138	32UNC	5/16	.3125	.302	.361	.344	.422	.187
61	81	201	301		40UNF							
2	22	412	512	.164	32UNC	5/16	.3125	.302	.361	.344	.422	.187
62	82	202	302		36UNF							
3	23	413	513	.190	24UNC	3/8	.3750	.362	.433	.413	.516	.250
63	83	203	303		32UNF							
5	25	415	515	.250	20UNC	7/16	.4375	.428	.505	.488	.594	.313
65	85	205	305		28UNF							
6	26	416	516	.3125	18UNC	1/2	.5000	.489	.577	.557	.690	.375
66	86	206	306		24UNF							
7	27	417	517	.375	16UNC	9/16	.5625	.551	.650	.628	.781	.469
67	87	207	307		24UNF							
<del>8</del>	<del>28</del>	<del>418</del>	<del>518</del>	<del>.4375</del>	<del>14UNC</del>	<del>5/8</del>	<del>.6250</del>	<del>.612</del>	<del>.722</del>	<del>.698</del>	<del>.880</del>	<del>.530</del>
<del>68</del>	<del>88</del>	<del>208</del>	<del>308</del>		<del>20UNF</del>							
9	29	419	519	.500	13UNC	3/4	.7500	.736	.866	.840	1.031	.625
69	89	209	309		20UNF							
<del>10</del>	<del>30</del>	<del>420</del>	<del>520</del>	<del>.5625</del>	<del>12UNC</del>	<del>7/8</del>	<del>.8750</del>	<del>.861</del>	<del>1.010</del>	<del>.982</del>	<del>1.190</del>	<del>.690</del>
<del>70</del>	<del>90</del>	<del>210</del>	<del>310</del>		<del>18UNF</del>							
11	31	421	521	.625	11UNC	15/16	.9375	.922	1.083	1.051	1.281	.781
71	91	211	311		18UNF							
12	32	422	522	.750	10UNC	1-1/16	1.0625	1.045	1.227	1.191	1.460	.938
72	92	212	312		16UNF							
<del>13</del>	<del>33</del>	<del>423</del>	<del>523</del>	<del>.875</del>	<del>9UNC</del>	<del>1-1/4</del>	<del>1.3500</del>	<del>1.331</del>	<del>1.443</del>	<del>1.403</del>	<del>1.720</del>	<del>1.090</del>
<del>73</del>	<del>93</del>	<del>213</del>	<del>313</del>		<del>14UNF</del>							
14	34	424	524	1.000	8UNC	1-7/16	1.4375	1.417	1.660	1.615	1.968	1.250
74	94	214	314		12UNF							
<del>15</del>	<del>35</del>	<del>425</del>	<del>525</del>	<del>1.125</del>	<del>7UNC</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>	<del>315</del>		<del>12UNF</del>							
16	36	426	526	1.250	7UNC	1-13/16	1.8125	1.788	2.093	2.038	2.469	1.563
76	96	216	316		12UNF							

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

(F) DENOTES CHANGE

INCH-POUND

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 Specification for all new engineering and design applications and for repetitive use shall be made from this  
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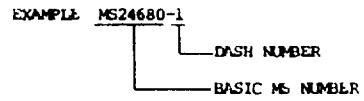
USER ACTIVITIES  
 ARMY - AT, ME  
 NAVY - AS, MC, OS, SH  
 REVIEWER ACTIVITY  
 ARMY - AV  
 DLA - IS

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

APPROVED 28 APR 60 REVISED (F) 15 MAR 90

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-28  
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

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

PA	ARMY-AR	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust			NUT, PLAIN, CAP, HIGH CROWN UNC-28 AND UNF-28	MS24680
AIR FORCE-82				
PROCUREMENT SPECIFICATION	FF-N-836	SUPERSEDES	BRBX3 AND BRBX4	PAGE 2 OF 2