

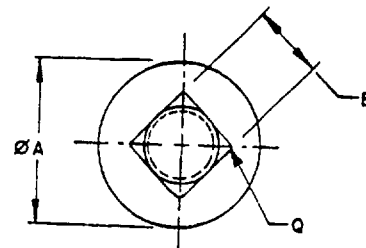
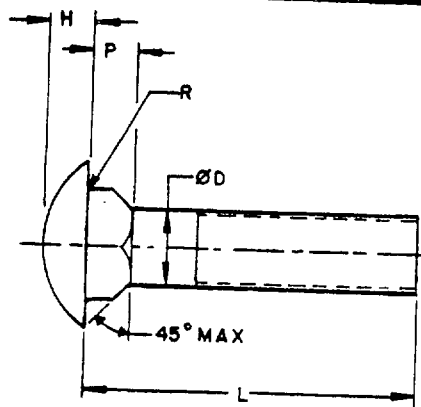
FED. SUP CLASS
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TABLE 1. DASH NUMBERS AND DIMENSIONS.

NOMINAL SIZE		.190	.250	.3125	.375	.4375	.500	.625	.750	
THREADS PER INCH		24 UNC-2A	20 UNC-2A	18 UNC-2A	16 UNC-2A	14 UNC-2A	13 UNC-2A	11 UNC-2A	10 UNC-2A	
Ø D BODY	MAX	.199	.260	.324	.388	.452	.515	.642	.768	
	MIN	.182	.237	.298	.360	.421	.483	.605	.729	
Ø A HEAD	MAX	.469	.594	.719	.844	.969	1.094	1.344	1.594	
	MIN	.438	.563	.688	.812	.937	1.062	1.219	1.469	
B SQUARE WIDTH	MAX	.199	.260	.324	.388	.452	.515	.642	.768	
	MIN	.185	.245	.307	.368	.431	.492	.616	.741	
H HEAD HEIGHT	MAX	.114	.145	.176	.208	.239	.270	.344	.406	
	MIN	.094	.125	.156	.188	.219	.250	.313	.375	
P SQUARE DEPTH	MAX	.125	.156	.187	.219	.250	.281	.344	.406	
	MIN	.094	.125	.156	.188	.219	.250	.313	.375	
Q CORNER RADIUS		MAX	.031	.031	.047	.047	.047	.078	.078	
R FILLET RADIUS		MAX	.031	.031	.031	.031	.031	.062	.062	
L LENGTH	TOLERANCE			DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO	DASH NO
	SIZE .190 THRU .375	SIZE .4375 AND .500	SIZE .625 AND .750							
.750				1	15	40	68			
.875	+.02	+.02	+.02	211	16	41	69			
1.000	-.03	-.03	-.03	2				97	123	
1.250				3	17	42	70			
1.500				4	18	43	71	98	124	
1.750	+.02	+.04	+.06	5	19	44	72	99	125	152
2.000	-.04	-.06	-.08	6	20	45	73	100	126	153
2.250				7	21	46	74	101	127	154
2.500				8	22	47	75	102	128	181
2.750				9				103	129	182
3.000				10	23	48	76	104	130	183
3.250	+.04	+.06	+.08	11	24	49	77	105	131	157
3.500	-.06	-.08	-.10	12	25	50	78	106	132	158
3.750				13	26	51	79	107	133	159
4.000				14	27	52	80	108	134	160
4.250					28	53	81	109	135	187
4.500				202	213	205		207	209	189
4.750				29	54	82		110	209	
5.000	+.06	+.08	+.10	203	204	206		208	136	163
5.500	-.10	-.10		30	55	83		111	210	190
6.000				31	56	84		112	211	191
6.500				32	57	85		113	212	185
7.000									137	166
7.500				33	58	86		114	139	193
8.000				34	59	87		115	140	167
8.500				35	60	88		116	141	168
9.000	+.10	+.12	+.14						142	169
9.500	-.18	-.18	-.18						143	170
10.000									144	197
11.000				212	63	91		119	145	198
11.500					64	92		121	146	199
12.000					65	93			147	174
13.000					214	94			148	175
16.000					215	95			149	176
					216	217				
						218				

DASH NUMBERS 97 THRU 121, 207 AND 208 ARE INACTIVE FOR NEW DESIGN

D ENTIRE STANDARD REVISED

P. A. ARMY-AR Other Cust AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, SQUARE NECK, ROUND HEAD (CARRIAGE), STEEL, CADMIUM OR ZINC PLATED, UNC-2A	MILITARY STANDARD MS 35751
PROCUREMENT SPECIFICATION ANSI B18.5	SUPERSEDES BADX SERIES	PAGE 1 OF 2	

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0926

APPROVED 30 OCT 56 REVISED 4 NOV 85

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REQUIREMENTS:

1. MATERIAL: CARBON STEEL, IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION OR GRADE A IN ACCORDANCE WITH ASTM A307 OR GRADE 1 IN ACCORDANCE WITH SAE J429. THE MINIMUM ULTIMATE TENSILE STRENGTH SHALL BE 60,000 PSI.
2. PROTECTIVE COATING AND SURFACE TREATMENT: CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 3 OR MIL-C-81562, TYPE II, CLASS 3 OR ZINC COATED IN ACCORDANCE WITH ASTM B633 OR MIL-C-81562, TYPE II, CLASS 3.
3. THREADS: THE THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2.
4. THREAD LENGTH: MINIMUM FULL FORM THREAD LENGTH SHALL BE TWICE THE NOMINAL SIZE PLUS .25 INCH FOR BOLT LENGTHS OF 6 INCH AND SHORTER, AND TWICE THE NOMINAL SIZE PLUS .50 INCH FOR LONGER LENGTHS. BOLTS TOO SHORT FOR MINIMUM THREAD LENGTH SHALL HAVE FULL FORM THREADS EXTENDING AS CLOSE TO THE NECK AS PRACTICABLE, AND SHALL BE WITHIN 2-1/2 PITCHES FROM THE NECK.
5. PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE 1.

EXAMPLE: MS35751-1

└── DASH NUMBER
└── BASIC MS NUMBER

MS35751-1 INDICATES - BOLT, SQUARE NECK, ROUND HEAD (CARRIAGE), STEEL, CADMIUM OR ZINC PLATED, UNC-2A; NOMINAL SIZE .190-24 UNC-2A; LENGTH .75.

6. QUALITY ASSURANCE PROVISIONS: QUALITY ASSURANCE PROVISIONS SHALL BE IN ACCORDANCE WITH ANSI B18.18.1M. THREAD ACCEPTABILITY SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 21, AND ANSI B18.18.1M, INSPECTION LEVEL B.
7. PACKAGING: PACKAGING SHALL BE IN ACCORDANCE WITH ASTM D3951.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
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 NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DOOISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

APPROVED 30 OCT 56 REVISED ① FOR CHANGES SEE PAGE 1 AND 2

P. A. ARMY-AR Other Cust AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, SQUARE NECK, ROUND HEAD (CARRIAGE), STEEL, CADMIUM OR ZINC PLATED, UNC-2A	MILITARY STANDARD MS 35751
PROCUREMENT SPECIFICATION ANSI B18.5	SUPERSEDES: BADX SERIES	PAGE 2	OF 2