

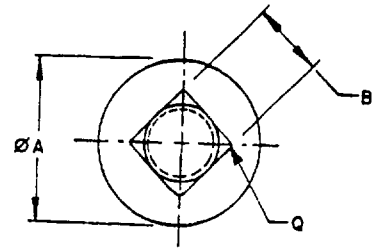
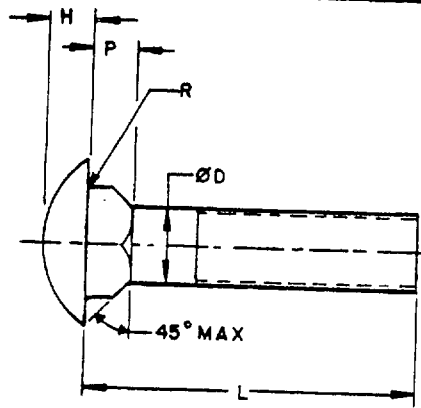
FED. SUP CLASS
5306

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	12 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
	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	98	124
1.500				4	18	43	71	99	125
1.750	+ .02	+ .04	+ .06	5	19	44	72	100	126
2.000	- .04	- .06	- .08	6	20	45	73	101	127
2.250				7	21	46	74	102	128
2.500				8	22	47	75	103	129
2.750				9	23	48	76	104	130
3.000				10	24	49	77	105	131
3.250	+ .04	+ .06	+ .08	11	25	50	78	106	132
3.500	- .06	- .08	- .10	12	26	51	79	107	133
3.750				13	27	52	80	108	134
4.000				14	28	53	81	109	135
4.250					202	213	205	207	209
4.500	+ .06	+ .08	+ .10		29	54	82	110	136
4.750	- .10	- .10	- .12		203	204	206	208	137
5.000					30	55	83	111	138
5.500					31	56	84	112	139
6.000					32	57	85	113	140
6.500					33	58	86	114	141
7.000					34	59	87	115	142
7.500					35	60	88	116	143
8.000					36	61	89	117	144
8.500							90		
9.000	+ .10	+ .12	+ .14					119	145
9.500	- .18	- .18	- .18		212	63	91	121	146
10.000						64	92		147
11.000						65	93		148
11.500							94		149
12.000						214			
						215	95		
13.000									
16.000						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