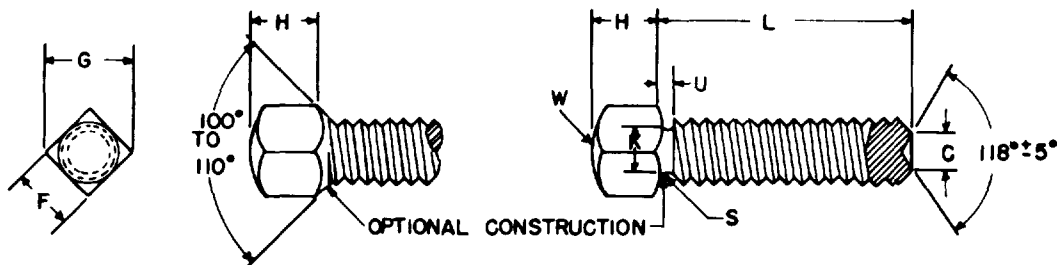


REVIEWER: E.A.J.S.M.  
USER: ATGLME MU, PA, WV, B2, AS, MC

NOMINAL SIZE		.250	.313	.375	.438	.500	.625	.750	.875	1.000
THREADS PER INCH UNC-2A		20	18	16	14	13	11	10	9	8
F WIDTH ACROSS FLATS	MAX MIN	.250 .241	.312 .302	.375 .362	.438 .423	.500 .484	.625 .606	.750 .729	.875 .852	1.000 .974
(A) G WIDTH ACROSS CORNERS	MAX MIN	.354 .331	.422 .415	.520 .497	.619 .581	.707 .665	.884 .823	1.060 1.001	1.237 1.170	1.414 1.337
(A) H HEIGHT OF HEAD	MAX MIN	.196 .178	.245 .224	.293 .270	.341 .315	.389 .361	.485 .452	.582 .544	.678 .635	.774 .726
S RADIUS OF NECK RELIEF	MAX	.032	.036	.041	.046	.050	.059	.065	.072	.081
K DIAMETER OF NECK RELIEF	MAX MIN	.185 .170	.240 .225	.294 .279	.345 .330	.400 .385	.507 .492	.620 .605	.731 .716	.838 .823
U WIDTH OF NECK RELIEF	MAX	.100	.111	.125	.143	.154	.182	.200	.222	.250
W RADIUS OF HEAD		.62	.78	.94	1.09	1.25	1.56	1.88	2.19	2.50
C DIAMETER OF POINT	MAX MIN	.132 .118	.172 .156	.212 .194	.252 .232	.291 .270	.371 .347	.450 .425	.530 .502	.609 .579

L LENGTH	TOLERANCE		DASH NO.	DASH NO.	DASH NO.	* DASH NO. (A)	DASH NO.	DASH NO.	DASH NO.	* DASH NO. (A)	DASH NO.
	SIZE .625 AND UNDER	OVER .625									
.375			1	16							
.500			2	17	34	51					
.625	+.000	+.000	3	18	35	52	68				
.750	-.030	-.060	4	19	36	53	69	86			
.875			5	20	37	54	70	87			
1.000			6	21	38	55	71	88	104		
1.250			7	22	39	56	72	89	105		
1.500	+.000	+.000	8	23	40	57	73	90	106	129	136
1.750	-.060	-.120	9	24	41	58	74	91	107	130	137
2.000			10	25	42	59	75	92	108	131	138
2.250				26	43	60	76	93	109	132	139
2.500				27	44	61	77	94	110	133	140
3.000	+.000	+.000		28	45	62	78	95	111	134	141
3.500	-.090	-.180					79	96	112	135	142
4.000							80	97	113	136	143
4.500								98	114	137	144
5.000										138	145

**(A) \* INACTIVE FOR NEW DESIGN****NOTES:**

- (A) 1. **MATERIAL:** Carbon steel AISI 1010 thru 1020, 1035 thru 1045, B1112, B1113, 11137 thru 1144, 12L13 or 12L14 in accordance with FED STD 66.
- (A) 2. **HARDNESS:** Rockwell C30-37 or may be surface hardened to not less than Rockwell 30N64.
- (A) 3. **PROTECTIVE COATING:** Cadmium plated in accordance with QQ-P-416, type II, class 3.
4. **THREADS:** The threads shall be in accordance with Screw-Thread Standards, for Federal Services Handbook H-28.
5. **DIMENSIONS:** All dimensions are in inches unless otherwise specified.
6. The MS part number consists of the MS number, plus the dash number. Example: MS51955-1
7. Reference documents shall be of the issue in effect on invitations for bid.
8. For design feature purposes, this standard takes precedence over procurement documents referenced herein.

P.A. WC Other Cost SH	TITLE (A) <b>SETSCREW-SQUARE HEAD, CUP POINT, CARBON STEEL</b>	<b>MILITARY STANDARD</b>
		<b>MS51955</b>
PROCUREMENT SPECIFICATION FF-S-210	SUPERSEDES: MS51054, BCSX1 and BCSX2	SHEET 1 OF 2

FED. SUP CLASS  
5305

## INTERCHANGEABILITY TABLE

The screws covered by dash numbers given in previous issues of this standard are cancelled/inactivated after the indicated approval date on this document. The cancelled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for design and replacement. Replacement shall be in accordance with this table.

REVIEWER: EA, JS, MI  
USER: A, GL, ME, NU, PA, WV, 82, AS, NC

PART NUMBERS		PART NUMBERS		PART NUMBERS	
CANCELLED	NEW	CANCELLED	NEW	CANCELLED	NEW
MS51054-1	MS51955-1	MS51054-51	MS51955-51	MS51054-96	MS51955-96
-2	-2	-52	-52	-97	-97
-3	-3	-53	-53	-98	-98
-4	-4	-54	-54	-104	-104
-5	-5	-55	-55	-105	-105
MS51054-6	MS51955-6	MS51054-56	MS51955-56	MS51054-106	MS51955-106
-7	-7	-57	-57	-107	-107
-8	-8	-58	-58	-108	-108
-9	-9	-59	-59	-109	-109
-10	-10	-60	-60	-110	-110
MS51054-16	MS51955-16	MS51054-61	MS51955-61	MS51054-111	MS51955-111
-17	-17	-62	-62	-112	-112
-18	-18	-68	-68	-113	-113
-19	-19	-69	-69	-114	-114
-20	-20	-70	-70	-120	-120
MS51054-21	MS51955-21	MS51054-71	MS51955-71	MS51054-121	MS51955-121
-22	-22	-72	-72	-122	-122
-23	-23	-73	-73	-123	-123
-24	-24	-74	-74	-124	-124
-25	-25	-75	-75	-125	-125
MS51054-26	MS51955-26	MS51054-76	MS51955-76	MS51054-126	MS51955-126
-27	-27	-77	-77	-127	-127
-28	-28	-78	-78	-128	-128
-34	-34	-79	-79	-129	-129
-35	-35	-80	-80	-130	-130
MS51054-36	MS51955-36	MS51054-86	MS51955-86	MS51054-136	MS51955-136
-37	-37	-87	-87	-137	-137
-38	-38	-88	-88	-138	-138
-39	-39	-89	-89	-139	-139
-40	-40	-90	-90	-140	-140
MS51054-41	MS51955-41	MS51054-91	MS51955-91	MS51054-141	MS51955-141
-42	-42	-92	-92	-142	-142
-43	-43	-93	-93	-143	-143
-44	-44	-94	-94	-144	-144
-45	-45	-95	-95	-145	-145

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 repetitive use shall be made from this document.

APPROVED 18 NOV 63 REVISED (A) JUL 1975

P.A. WC Other Cost SH	TITLE (A) SETSCREW- SQUARE HEAD, CUP POINT, CARBON STEEL	MILITARY STANDAR MS51955
PROCUREMENT SPECIFICATION FF-S-210	SUPERSEDES: MS51054, BCSX1 and BCSX2	SHEET 2 OF 2