



TABLE I

NOMINAL SIZE		2	3*	4	5*	6	7*	8	9*	10	12	14	16	18
D SCREW DIA	BASIC	.086	.099	.112	.125	.138	.151	.164	.177	.190	.216	.242	.268	.294
	MAX	.090	.103	.116	.129	.142	.155	.168	.181	.194	.220	.246	.272	.298
	MIN	.079	.092	.105	.118	.131	.144	.157	.170	.183	.209	.235	.261	.287
A HEAD DIA	MAX	.162	.187	.211	.236	.260	.285	.309	.334	.359	.408	.457	.506	.555
	MIN	.146	.169	.193	.217	.240	.264	.287	.311	.334	.382	.429	.476	.523
H <sub>1</sub> HEAD HEIGHT	MAX	.069	.078	.086	.095	.103	.111	.120	.128	.137	.153	.170	.187	.204
	MIN	.059	.067	.075	.083	.091	.099	.107	.115	.123	.139	.155	.171	.187
J SLOT WIDTH	MAX	.031	.035	.039	.043	.048	.054	.054	.054	.060	.067	.075	.075	.084
	MIN	.023	.027	.031	.035	.039	.045	.045	.045	.050	.056	.064	.064	.072
T SLOT DEPTH	MAX	.048	.053	.058	.063	.068	.072	.077	.082	.087	.096	.106	.115	.125
	MIN	.037	.040	.044	.047	.051	.055	.058	.062	.065	.073	.080	.087	.094
R FILLET RADIUS	MAX	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.05	.05	.05
THREADS PER INCH		26	24	22	20	18	16	15	14	13	11	10	9	8

REVIEWER: AV, EA, IS, MI  
USER: AT, MC, ME, MU, PA, SH, WT

- NOTES:
- (D) \* Inactive, see sheet 2.
  - 1. **MATERIAL:** Carbon steel, 1010 thru 1022 or 1106 thru 1118 in accordance with QQ-S-631, QQ-S-634, QQ-S-637 or QQ-W-405.  
(D) Brass, alloy no. 260 or 268, quarter-hard in accordance with QQ-B-613 or QQ-B-626; or alloy no. 260 or 270, quarter-hard in accordance with QQ-W-321.
  - 2. **PROTECTIVE COATING:** Steel - 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 QQ-Z-325, Type II, Class 3 or MIL-C-81562, Type II, Class 3.  
(D) Brass - Plain, uncoated.
  - 3. **THREADS:** Maximum permissible variation in number of threads per inch shall be plus or minus 10 percent.
  - 5. **DIMENSIONS:** All dimensions are in inches.
  - 6. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS35495-1.
  - 7. Referenced documents shall be of the issue in effect on date of invitations for bid.
  - 8. For design feature purposes, this standard takes precedence over procurement documents referenced herein.

(D) FOR CHANGES SEE SHEETS 1 AND 2.

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.

P.A. WC Other Cust YD 82	TITLE SCREW, WOOD, ROUND HEAD, SLOTTED, STEEL AND BRASS	MILITARY STANDARD MS 35495
DOCUMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 1

APPROVED 4 DEC 1956 REVISED (A) 18 OCT 1966 (B) 1 JUN 1967 (C) 20 MAY 1968 (D) 15 AUG 1974

TABLE II

STEEL, CADMIUM OR ZINC PLATED

NOMINAL SIZE		2	3	4	5	6	7	8	9	10	12	14	16	18
L LENGTH	TOL.	DASH NO.	DASH NO.*	DASH NO.	DASH NO.*	DASH NO.	DASH NO.*	DASH NO.	DASH NO.*	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
.25		1		9		34	49	63						
.38	+ .00	2		10	22	35	50	64						
.50	- .03	3		11	23	36	51	65	77	92				
.62		4		12	24				78	93	108			
.75		5	7	13	25	37	52	66	79	94	109	124		
.88	+ .00			14	26	38	53	67	80	95	110	125		
1.00	- .05			15	27	39	54	68	81	96	111	126	141	
1.25				16	28	40	55	69	82	97	112	127	142	157
1.50				17	29	41	56	70	83	98	113	128	143	158
1.75						42	57	71	84	99	114	129	144	159
2.00	+ .00					43	58	72	85	100	115	130	145	160
2.25	- .06					44	59	73	86	101	116	131	146	161
2.50						45	60	74	87	102	117	132	147	162
2.75								75	88	103	118	133	148	163
3.00								76	89	104	119	134	149	164
3.50	+ .00									105	120	135	150	165
4.00	- .09										121	136	151	166
4.50												137	152	
5.00												138	153	

TABLE III

BRASS, PLAIN, UNCOATED

NOMINAL SIZE		2	3	4	5	6	7	8	9	10	12	14	16	
L LENGTH	TOL.	DASH NO.	DASH NO.*	DASH NO.	DASH NO.*	DASH NO.	DASH NO.*	DASH NO.	DASH NO.*	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
.25		201		209		229								
.38	+ .00	202	902	210	219	230								
.50	- .03	203	903	211	220	231		248						
.62		204	904	212	221			249	259	268				
.75		205	905	213	222	232	240	250	260	269	281			
.88	+ .00			214	223	233	241	251	261	270	282			
1.00	- .05			215	224	234	242	252	262	271	283	295		
1.25						235	243	253	263	272	284	296		
1.50						236	244	254	264	273	285	297		
1.75								255		274	286	298		
2.00	+ .00							256		275	287	299	308	
2.25	- .06									276	288			
2.50										277	289	301	310	
3.00	+ .00										291	303	312	
3.50	- .09										292			

\* NOTE: Crossed-out dash numbers (sizes 3, 5, 7 and 9) are INACTIVE FOR NEW DESIGN AFTER 15 August 1974.

INTERCHANGEABILITY

Steel, cadmium plated screws covered by dash numbers 501 thru 666 given in revision A of this standard are canceled after 1 June 1967. Brass, black oxide coated screws covered by dash numbers 701 thru 812 given in revision B of this standard and screws covered on AN545 in part are canceled after 20 May 1968. The canceled screws should be used for maintenance purposes until existing stocks are depleted. Use only the superseding screws for new design and engineering. Replacement shall be in accordance with Table IV (see sheet 3).

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.

REVIEWER: AV, EA, IS, MI  
USER: AL, MC, ME, MU, PA, SH, WT

APPROVED 4 DEC 1956 REVISED (C) 20 MAY 1968 (D) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. WC	TITLE	MILITARY STANDARD
Other Cust YD 82	SCREW, WOOD, ROUND HEAD, SLOTTED, STEEL AND BRASS	MS 35495
PROCUREMENT SPECIFICATION FF-S-111	SUPERSEDES: AN545 in part and BCRX series	SHEET 2 OF 3

TABLE IV - INTERCHANGEABILITY

FED. SUP CLASS  
5305

PART NUMBER		PART NUMBER		PART NUMBER		PART NUMBER		PART NUMBER	
CANCELED	SUPSD BY	CANCELED	SUPSD BY	CANCELED	SUPSD BY	CANCELED	SUPSD BY	CANCELED	SUPSD BY
MS35495	MS35495	MS35495	MS35495	MS35495	MS35495	AN545	MS35495	AN545	MS35495
501	1	595	95	731	231	4-10	16	16-10	142
502	2	596	96	732	232	4-12	17	16-12	143
503	3	597	97	733	233	6-3	34	16-14	144
504	4	598	98	734	234	6-4	35	16-16	145
505	5	599	99	735	235	6-5	36	16-18	146
509	9	600	100	736	236	6-6	37	16-20	147
510	10	601	101	740	240	6-7	38	16-22	148
511	11	602	102	741	241	6-8	39	16-24	149
512	12	604	104	742	242	6-10	40	16-28	150
513	13	605	105	743	243	6-12	41	16-32	151
514	14	608	108	744	244	6-14	42	16-36	152
515	15	609	109	748	248	6-16	43	16-40	153
516	16	610	110	749	249	6-18	44	B2-2	201
517	17	611	111	750	250	6-20	45	B2-3	202
522	22	612	112	751	251	8-3	63	B2-4	203
523	23	613	113	752	252	8-4	64	B2-5	204
524	24	614	114	753	253	8-5	65	B2-6	205
525	25	615	115	754	254	8-6	66	B3-3	902
526	26	616	116	755	255	8-7	67	B3-4	903
527	27	617	117	756	256	8-8	68	B3-5	904
528	28	619	119	759	259	8-10	69	B3-6	905
529	29	620	120	760	260	8-12	70	B4-2	209
534	34	621	121	761	261	8-14	71	B4-3	210
535	35	625	125	762	262	8-16	72	B4-4	211
536	36	626	126	763	263	8-18	73	B4-5	212
537	37	627	127	764	264	8-20	74	B4-6	213
538	38	628	128	768	268	8-22	75	B4-7	214
539	39	629	129	769	269	8-24	76	B4-8	215
540	40	630	130	770	270	10-4	92	B5-3	219
541	41	631	131	771	271	10-5	93	B5-4	220
542	42	632	132	772	272	10-6	94	B5-5	221
543	43	634	134	773	273	10-7	95	B5-6	222
544	44	635	135	774	274	10-8	96	B5-7	223
545	45	636	136	775	275	10-10	97	B5-8	224
549	49	641	141	777	277	10-12	98	B6-3	229
550	50	642	142	781	281	10-14	99	B6-4	230
551	51	643	143	782	282	10-16	100	B6-5	231
552	52	644	144	793	283	10-18	101	B6-6	232
553	53	645	145	784	284	10-20	102	B6-7	233
554	54	646	146	785	285	10-22	103	B6-8	234
555	55	647	147	786	286	10-24	104	B6-10	235
556	56	649	149	787	287	10-28	105	B6-12	236
557	57	650	150	789	289	12-5	108	B8-4	248
558	58	651	151	791	291	12-6	109	B8-5	249
559	59	657	157	795	295	12-7	110	B8-6	250
560	60	658	158	796	296	12-8	111	B8-7	251
563	63	659	159	797	297	12-10	112	B8-8	252
564	64	660	160	798	298	12-12	113	B8-10	253
565	65	661	161	799	299	12-14	114	B8-12	254
566	66	662	162	801	301	12-16	115	B8-14	255
567	67	664	164	803	303	12-18	116	B8-16	256
568	68	665	165	808	308	12-20	117	B10-5	268
569	69	666	166	810	310	12-22	118	B10-6	269
570	70	701	201	812	312	12-24	119	B10-7	270
571	71	702	202			12-28	120	B10-8	271
572	72	703	203			12-32	121	B10-10	272
573	73	704	204			14-6	124	B10-12	273
574	74	705	205	AN545	MS35495	14-7	125	B10-14	274
577	77	709	209			14-8	126	B10-16	275
578	78	710	210			14-10	127	B10-18	276
579	79	711	211	2-2	1	14-12	128	B10-20	277
580	80	712	212	2-3	2	14-14	129	B12-6	281
581	81	713	213	2-4	3	14-16	130	B12-7	282
582	82	714	214	2-5	4	14-16	130	B12-7	282
583	83	715	215	2-6	5	14-18	131	B12-8	283
584	84	719	219	3-6	7	14-20	132	B12-10	284
585	85	720	220	4-2	9	14-22	133	B12-12	285
586	86	721	221	4-3	10	14-24	134	B12-14	286
587	87	722	222	4-4	11	14-28	135	B12-16	287
589	89	723	223	4-5	12	14-32	136	B12-18	288
592	92	724	224	4-6	13	14-36	137	B12-20	289
593	93	729	229	4-7	14	14-40	138	B12-24	291
594	94	730	230	4-8	15	16-8	141	B12-28	292

REVIEWER: AV, EA, IS, MI  
USER: AT, MC, ME, MU, PA, SH, WT

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 4 DEC 1955 REVISED C 20 MAY 1968 D FOR CHANGES SEE SHEETS 1 AND 2.

P.A. WC Other Cust YD 82	TITLE SCREW, WOOD, ROUND HEAD, SLOTTED, STEEL AND BRASS	MILITARY STANDARD MS 35495
PROCUREMENT SPECIFICATION FF-S-111	SUPERSEDES: AN545 in part and BCRX series.	SHEET 3 OF 3