

RANGE TABLE FOR 6-INCH GUN.

Muzzle velocity, 2600 f. s.

Projectile (long-pointed), 108 lbs.

[Prepared under the direction of the Chief of Coast Artillery, by the Coast Artillery Board.]

Range.	Angle of departure.		Change in elevation for 10 yards in range.	Time of flight.	Angle of fall.		Slope of fall.	Maximum ordinate.	Striking velocity.	Perforation of Krupp armor.		Deflection for—	
										Impact.		Drift.	Wind component of 10 miles per hour.
										Normal.	30° with normal.		
Yards.	°	'		Seconds.	°	'	1 on—	Feet.	f. s.	Inches.	Inches.	Degree.	Degree.
1000	0	25.8	0.3	1.20	0	27	127	6	2417	9.6	8.8	0.018	0.013
1200	0	31.2	.3	1.45	0	33	103	9	2382			.022	.015
1400	0	36.8	.3	1.70	0	39	86.8	12	2347			.026	.018
1600	0	42.5	.3	1.96	0	46	74.6	16	2312			.030	.020
1800	0	48.3	.3	2.22	0	53	65.1	20	2277			.034	.023
2000	0	54.2	.3	2.49	1	00	57.5	25	2243	8.6	7.9	.038	.025
2200	1	00.2	.3	2.76	1	07	51.2	31	2209			.042	.027
2400	1	06.4	.3	3.03	1	15	46.0	37	2176			.047	.030
2600	1	12.7	.3	3.31	1	23	41.6	44	2143			.052	.033
2800	1	19.2	.3	3.59	1	31	37.8	52	2110			.057	.036
3000	1	25.8	.3	3.88	1	40	34.5	60	2078	7.7	7.1	.062	.039
3200	1	32.5	.3	4.17	1	49	31.7	70	2046			.067	.041
3400	1	39.4	.4	4.47	1	58	29.2	80	2015			.072	.044
3600	1	46.4	.4	4.77	2	08	27.0	91	1984			.078	.047
3800	1	53.6	.4	5.07	2	18	25.0	103	1953			.084	.050
4000	2	00.9	.4	5.38	2	28	23.2	116	1922	6.8	6.3	.090	.053
4200	2	08.4	.4	5.69	2	39	21.6	130	1891			.096	.056
4400	2	16.1	.4	6.01	2	50	20.2	145	1861			.102	.059
4600	2	23.9	.4	6.34	3	02	18.9	161	1832			.109	.063
4800	2	31.9	.4	6.67	3	14	17.7	179	1803			.116	.066
5000	2	40.1	.4	7.01	3	26	16.6	198	1775	6.0	5.5	.123	.069
5200	2	48.5	.4	7.35	3	39	15.6	218	1747			.130	.072
5400	2	57.1	.4	7.70	3	53	14.7	239	1720			.137	.076
5600	3	05.9	.5	8.05	4	07	13.9	262	1693			.145	.079
5800	3	14.8	.5	8.41	4	22	13.1	286	1666			.153	.083
6000	3	23.9	.5	8.78	4	37	12.4	311	1639	5.2	4.8	.161	.086
6200	3	33.2	.5	9.15	4	53	11.7	337	1613			.170	.090
6400	3	42.8	.5	9.53	5	10	11.1	365	1587			.179	.093
6600	3	52.7	.5	9.92	5	27	10.5	395	1562			.188	.097
6800	4	02.8	.5	10.31	5	45	9.94	428	1537			.197	.100
7000	4	13.2	.5	10.70	6	03	9.43	463	1513	4.5	4.1	.207	.104
7200	4	23.8	.5	11.10	6	22	8.95	499	1489			.217	.108
7400	4	34.7	.6	11.51	6	42	8.50	537	1465			.227	.112
7600	4	45.9	.6	11.93	7	03	8.08	577	1442			.238	.116
7800	4	57.3	.6	12.36	7	25	7.69	619	1420			.249	.120
8000	5	09.0	.6	12.80	7	47	7.32	663	1399	3.9	3.6	.260	.124
8200	5	21.0	.6	13.24	8	10	6.97	710	1378			.272	.128
8400	5	33.3	.6	13.69	8	34	6.64	760	1358			.284	.132
8600	5	45.9	.6	14.14	8	59	6.33	812	1338			.296	.136
8800	5	58.8	.7	14.60	9	24	6.04	867	1318			.309	.140
9000	6	12.0	.7	15.07	9	50	5.77	924	1299	3.4	3.1	.322	.144
9200	6	25.5	.7	15.55	10	17	5.51	984	1281			.336	.149
9400	6	39.4	.7	16.04	10	45	5.26	1048	1263			.350	.153
9600	6	53.7	.7	16.54	11	15	5.03	1115	1246			.365	.157
9800	7	08.3	.8	17.04	11	45	4.81	1184	1230			.380	.162
10000	7	23.3	.8	17.55	12	16	4.60	1257	1215	3.1	2.9	.395	.166
10200	7	38.7	.8	18.07	12	48	4.40	1333	1201			.411	.170
10400	7	44.5	.8	18.60	13	21	4.21	1413	1188			.428	.175
10600	8	00.7	.8	19.14	13	55	4.03	1498	1176			.445	.179
10800	8	17.3	.9	19.68	14	29	3.87	1587	1165			.463	.184
11000	8	44.3	.9	20.23	15	04	3.72	1681	1154	2.8	2.6	.481	.188
11200	9	01.8	.9	20.79	15	40	3.57	1778	1143			.499	.192
11400	9	19.7	.9	21.36	16	17	3.43	1879	1133			.518	.197
11600	9	38.0	.9	21.93	16	54	3.30	1985	1124			.537	.201
11800	9	56.8	1.0	22.51	17	32	3.17	2096	1116			.557	.206
12000	10	16.0	1.0	23.10	18	11	3.05	2212	1109	2.6	2.4	.578	.210
12200	10	35.7	1.0	23.70	18	50	2.94	2333	1102			.599	.215
12400	10	55.8	1.0	24.31	19	30	2.83	2459	1095			.620	.219
12600	11	16.4	1.1	24.92	20	11	2.73	2590	1089			.642	.224
12800	11	37.5	1.1	25.54	20	52	2.63	2726	1083			.664	.228
13000	11	59.2	1.1	26.17	21	34	2.53	2868	1078	2.5	2.3	.686	.233
13200	12	21.4	1.1	26.81	22	16	2.44	3016	1073			.709	.237
13400	12	44.1	1.2	27.46	22	59	2.35	3170	1068			.733	.242
13600	13	07.3	1.2	28.11	23	43	2.27	3331	1064			.757	.246
13800	13	31.1	1.2	28.78	24	28	2.19	3499	1060			.782	.251

Battery Peck Fort Hancock Caliber 6-inch Carriage Barquette

Muzzle Velocity 2600 f.s. Based on range table dated 6-0-1, September 1925

Projectile . 108 lbs.

Range	Quadrant Elevation		Range	Quadrant Elevation		Range	Quadrant Elevation		Range	Quadrant Elevation		Range	Quadrant Elevation	
Yards	°	'	Yards	°	'	Yards	°	'	Yards	°	'	Yards	°	'
1000	-0	04	11000	8	44	21000			31000			41000		
1200	0	07	11200	9	01	21200			31200			41200		
1400	0	16	11400	9	19	21400			31400			41400		
1600	0	25	11600	9	38	21600			31600			41600		
1800	0	33	11800	9	57	21800			31800			41800		
2000	0	40	12000	10	16	22000			32000			42000		
2200	0	48	12200	10	36	22200			32200			42200		
2400	0	56	12400	10	56	22400			32400			42400		
2600	1	03	12600	11	17	22600			32600			42600		
2800	1	10	12800	11	38	22800			32800			42800		
3000	1	17	13000	11	59	23000			33000			43000		
3200	1	25	13200	12	21	23200			33200			43200		
3400	1	32	13400	12	44	23400			33400			43400		
3600	1	40	13600	13	07	23600			33600			43600		
3800	1	48	13800	13	31	23800			33800			43800		
4000	1	55	14000	13	56	24000			34000			44000		
4200	2	03	14200	14	21	24200			34200			44200		
4400	2	11	14400	14	46	24400			34400			44400		
4600	2	20	14600	15	12	24600			34600			44600		
4800	2	28	14800	15	39	24800			34800			44800		
5000	2	36	15000	16	07	25000			35000			45000		
5200	2	44	15200	16	35	25200			35200			45200		
5400	2	53	15400	17	04	25400			35400			45400		
5600	3	02	15600	17	33	25600			35600			45600		
5800	3	12	15800	18	04	25800			35800			45800		
6000	3	21	16000	18	35	26000			36000			46000		
6200	3	31	16200	19	08	26200			36200			46200		
6400	3	40	16400	19	41	26400			36400			46400		
6600	3	50	16600	20	15	26600			36600			46600		
6800	4	00	16800	20	50	26800			36800			46800		
7000	4	11	17000	21	26	27000			37000			47000		
7200	4	22	17200			27200			37200			47200		
7400	4	33	17400			27400			37400			47400		
7600	4	44	17600			27600			37600			47600		
7800	4	55	17800			27800			37800			47800		
8000	5	07	18000			28000			38000			48000		
8200	5	19	18200			28200			38200			48200		
8400	5	32	18400			28400			38400			48400		
8600	5	45	18600			28600			38600			48600		
8800	5	58	18800			28800			38800			48800		
9000	6	11	19000			29000			39000			49000		
9200	6	25	19200			29200			39200			49200		
9400	6	39	19400			29400			39400			49400		
9600	6	53	19600			29600			39600			49600		
9800	7	08	19800			29800			39800			49800		
10000	7	23	20000			30000			40000			50000		
10200	7	38	20200			30200			40200			50200		
10400	7	54	20400			30400			40400			50400		
10600	8	10	20600			30600			40600			50600		
10800	8	27	20800			30800			40800			50800		

Range		Quadrant Elevation		Range		Quadrant Elevation		Range		Quadrant Elevation		Range		Quadrant Elevation			
Yards	°	'	Yards	°	'	Yards	°	'	Yards	°	'	Yards	°	'	Yards	°	'
1000	-0	04	11000	8	44	21000			31000			41000					
1200	0	07	11200	9	01	21200			31200			41200					
1400	0	16	11400	9	19	21400			31400			41400					
1600	0	25	11600	9	38	21600			31600			41600					
1800	0	33	11800	9	57	21800			31800			41800					
2000	0	40	12000	10	16	22000			32000			42000					
2200	0	48	12200	10	36	22200			32200			42200					
2400	0	56	12400	10	56	22400			32400			42400					
2600	1	03	12600	11	17	22600			32600			42600					
2800	1	10	12800	11	38	22800			32800			42800					
3000	1	17	13000	11	59	23000			33000			43000					
3200	1	25	13200	12	21	23200			33200			43200					
3400	1	32	13400	12	44	23400			33400			43400					
3600	1	40	13600	13	07	23600			33600			43600					
3800	1	48	13800	13	31	23800			33800			43800					
4000	1	55	14000	13	56	24000			34000			44000					
4200	2	03	14200	14	21	24200			34200			44200					
4400	2	11	14400	14	46	24400			34400			44400					
4600	2	20	14600	15	12	24600			34600			44600					
4800	2	28	14800	15	39	24800			34800			44800					
5000	2	36	15000	16	07	25000			35000			45000					
5200	2	44	15200	16	35	25200			35200			45200					
5400	2	53	15400	17	04	25400			35400			45400					
5600	3	02	15600	17	33	25600			35600			45600					
5800	3	12	15800	18	04	25800			35800			45800					
6000	3	21	16000	18	35	26000			36000			46000					
6200	3	31	16200	19	08	26200			36200			46200					
6400	3	40	16400	19	41	26400			36400			46400					
6600	3	50	16600	20	15	26600			36600			46600					
6800	4	00	16800	20	50	26800			36800			46800					
7000	4	11	17000	21	26	27000			37000			47000					
7200	4	22	17200			27200			37200			47200					
7400	4	33	17400			27400			37400			47400					
7600	4	44	17600			27600			37600			47600					
7800	4	55	17800			27800			37800			47800					
8000	5	07	18000			28000			38000			48000					
8200	5	19	18200			28200			38200			48200					
8400	5	32	18400			28400			38400			48400					
8600	5	45	18600			28600			38600			48600					
8800	5	58	18800			28800			38800			48800					
9000	6	11	19000			29000			39000			49000					
9200	6	25	19200			29200			39200			49200					
9400	6	39	19400			29400			39400			49400					
9600	6	53	19600			29600			39600			49600					
9800	7	08	19800			29800			39800			49800					
10000	7	23	20000			30000			40000			50000					
10200	7	38	20200			30200			40200			50200					
10400	7	54	20400			30400			40400			50400					
10600	8	10	20600			30600			40600			50600					
10800	8	27	20800			30800			40800			50800					
11000	8	44	21000			31000			41000			51000					

PREPARED UNDER THE DIRECTION OF THE CHIEF OF COAST ARTILLERY BY THE COAST ARTILLERY BOARD

2 KM

T.S. No. 194
 Nov. 17, 1920

ABRIDGED RANGE TABLE FOR 6" SHACCAST GUNS

Mark II H. H. Shell, 90 lbs.

Muzzle Velocity 2600 f/s'.

Range Yards	Angle of Departure:		Time of Flight. Seconds	Deflection for 10 mi/hr. Drift cross wind.	
	o	'		o	"
200	0	05.0	0.23	0.009	0.003
400	0	10.1	0.47	0.018	0.007
600	0	15.4	0.71	0.027	0.010
800	0	20.8	0.96	0.037	0.014
1000	0	26.3	1.21	0.046	0.017
1200	0	32.0	1.47	0.056	0.021
1400	0	37.8	1.73	0.065	0.024
1600	0	43.8	2.00	0.075	0.028
1800	0	50.0	2.27	0.085	0.031
2000	0	56.4	2.55	0.095	0.035
2200	1	02.9	2.84	0.105	0.039
2400	1	09.6	3.13	0.115	0.043
2600	1	16.6	3.43	0.126	0.047
2800	1	23.8	3.74	0.137	0.051
3000	1	31.3	4.05	0.148	0.055
3200	1	39.0	4.37	0.159	0.060
3400	1	46.9	4.70	0.171	0.064
3600	1	55.1	5.04	0.183	0.069
3800	2	03.5	5.38	0.195	0.073
4000	2	12.1	5.73	0.207	0.078
4200	2	21.0	6.09	0.220	0.083
4400	2	30.2	6.46	0.233	0.088
4600	2	39.8	6.84	0.246	0.093
4800	2	49.7	7.23	0.259	0.098
5000	3	00.0	7.62	0.273	0.103
5200	3	10.5	8.02	0.287	0.108
5400	3	21.5	8.44	0.301	0.114
5600	3	32.8	8.87	0.316	0.119
5800	3	44.4	9.30	0.331	0.125
6000	3	56.4	9.74	0.347	0.130
6200	4	08.8	10.19	0.363	0.136
6400	4	21.7	10.65	0.380	0.141
6600	4	35.0	11.12	0.397	0.147
6800	4	48.7	11.60	0.414	0.152
7000	5	02.9	12.09	0.432	0.158
7200	5	17.5	12.59	0.450	0.164
7400	5	32.6	13.10	0.469	0.170
7600	5	48.2	13.62	0.489	0.175
7800	6	04.3	14.14	0.509	0.181
8000	6	20.9	14.67	0.530	0.187
8200	6	38.0	15.21	0.552	0.193
8400	6	55.6	15.76	0.574	0.199
8600	7	13.7	16.32	0.596	0.205
8800	7	32.3	16.89	0.619	0.211
9000	7	51.4	17.48	0.643	0.217
9200	8	11.0	18.07	0.667	0.223
9400	8	31.2	18.67	0.692	0.229
9600	8	52.0	19.28	0.717	0.234
9800	9	13.4	19.89	0.743	0.240
10000	9	35.4	20.51	0.769	0.246
10200	9	57.8	21.14	0.796	0.252
10400	10	21.0	21.78	0.823	0.258
10600	10	44.7	22.43	0.851	0.263
10800	11	09.0	23.09	0.879	0.269

T.S. No. 194
No. v 17, 1920

ABRIDGED RANGE FOR 6" SEACOAST GUNS

Mark II H. S. Shell, 90 lbs. Muzzle Velocity 2600 f/s'.

Range Yards	Angle of Departure.		Time of Flight. Seconds	Deflection for 10 mi/hr Drift Cross Wind.	
	o	'		0	0
11000	11	33.9	23.75		
11200	11	59.4	24.44	0.907	0.275
11400	12	25.6	25.13	0.936	0.281
11600	12	52.4	25.83	0.965	0.286
11800	13	19.8	26.53	0.995	0.292
				1.026	0.297
12000	13	47.9	27.24		
12200	14	16.7	27.96	1.057	0.303
12400	14	46.1	28.69	1.089	0.308
12600	15	16.2	29.43	1.121	0.314
12800	15	47.0	30.19	1.153	0.319
				1.186	0.325
13000	16	18.5	30.96		
13200	16	50.7	31.74	1.219	0.330
13400	17	23.7	32.53	1.253	0.335
13600	17	57.4	33.32	1.287	0.341
13800	18	31.8	34.12	1.322	0.346
				1.357	0.352
14000	19	07.0	34.93		
14200	19	43.0	35.75	1.393	0.357
14400	20	19.8	36.58	1.429	0.362
14600	20	57.5	37.43	1.466	0.368
14800	21	36.0	38.29	1.503	0.373
				1.541	0.378
15000	22	15.3	39.16	1.580	0.383

This table is applicable when a fuze similar ballistically to the Mark V is used.

Technical Staff, Ordnance Dept., U.S.A.
Washington, D. C.