

SCALE No. 1.

Scale for Proof of Rifled Small Arms of every Description, except those of the Eighth Class, and except for the Definitive Proof of Arms of the Seventh Class.

Number of Gauge.	Dia- meter of Bore.	Bullet for Proof.				Charge of Powder for				Service Charge.		
		Dia- meter.	Length.	Ratio of Length to Dia- meter.	Weight.	Provisional Proof.		Definitive Proof.		Powder.		Ball.
	inches.	inches.	inches.		grains.	grains.	oz. drs.	grains.	oz. drs.	grains.	oz. drs.	grains.
1	1.669	1.649	2.474	1.500	15186	3417	7 13	2278	5 3 $\frac{1}{4}$	1139	2 9 $\frac{3}{4}$	11390
	1.500	1.480	2.220	1.500	10977	2470	5 10 $\frac{1}{4}$	1646	3 12 $\frac{1}{4}$	823	1 14	8233
2	1.825	1.805	1.958	1.500	7527	1694	3 14	1129	2 9 $\frac{1}{4}$	565	1 4 $\frac{3}{4}$	5645
	1.250	1.230	1.845	1.500	6301	1418	3 3 $\frac{3}{4}$	945	2 2 $\frac{1}{2}$	473	1 1 $\frac{1}{4}$	4726
3	1.157	1.137	1.706	1.500	4978	1120	2 9	747	1 11 $\frac{1}{4}$	373	0 13 $\frac{1}{4}$	3734
4	1.052	1.032	1.548	1.500	3722	837	1 14 $\frac{1}{2}$	558	1 4 $\frac{1}{2}$	279	0 10 $\frac{1}{4}$	2791
	1.000	.980	1.470	1.500	3187	717	1 10 $\frac{1}{4}$	478	1 1 $\frac{1}{2}$	239	0 8 $\frac{1}{4}$	2390
5	.976	.956	1.434	1.500	2958	666	1 8 $\frac{1}{4}$	444	1 0 $\frac{1}{4}$	222	0 8	2219
6	.919	.899	1.349	1.500	2461	554	1 4 $\frac{1}{4}$	369	0 13 $\frac{1}{2}$	185	0 6 $\frac{1}{4}$	1846
	.900	.880	1.320	1.500	2307	519	1 3	346	0 12 $\frac{1}{2}$	173	0 6 $\frac{1}{4}$	1731
7	.873	.853	1.280	1.500	2102	473	1 1 $\frac{1}{4}$	315	0 11 $\frac{1}{2}$	158	0 5 $\frac{1}{4}$	1577
	.850	.830	1.245	1.500	1936	436	1 0	290	0 10 $\frac{1}{2}$	145	0 5 $\frac{1}{4}$	1452
8	.835	.815	1.223	1.500	1834	413	0 15	275	0 10	138	0 5	1375
9	.803	.783	1.175	1.500	1626	366	0 13 $\frac{1}{2}$	244	0 9	122	0 4 $\frac{1}{2}$	1220
	.800	.780	1.170	1.500	1607	362	0 13 $\frac{1}{2}$	241	0 8 $\frac{3}{4}$	121	0 4 $\frac{1}{2}$	1205
10	.775	.755	1.132	1.500	1457	328	0 12	219	0 8	109	0 4	1092
	.770	.750	1.126	1.501	1430	322	0 11 $\frac{3}{4}$	215	0 7 $\frac{3}{4}$	107	0 4	1072
	.760	.740	1.112	1.503	1375	310	0 11 $\frac{1}{4}$	207	0 7 $\frac{1}{2}$	103	0 3 $\frac{3}{4}$	1031
11	.751	.731	1.100	1.505	1327	301	0 11	200	0 7 $\frac{1}{2}$	100	0 3 $\frac{3}{4}$	995
	.750	.730	1.099	1.505	1322	300	0 11	200	0 7 $\frac{1}{2}$	100	0 3 $\frac{3}{4}$	992
	.740	.720	1.085	1.507	1270	289	0 10 $\frac{1}{2}$	193	0 7	96	0 3 $\frac{1}{2}$	952
	.730	.710	1.071	1.509	1219	279	0 10 $\frac{1}{2}$	186	0 6 $\frac{3}{4}$	93	0 3 $\frac{1}{2}$	914
12	.729	.709	1.070	1.509	1214	278	0 10 $\frac{1}{2}$	185	0 6 $\frac{3}{4}$	93	0 3 $\frac{1}{2}$	911
	.720	.700	1.058	1.511	1170	269	0 9 $\frac{3}{4}$	180	0 6 $\frac{1}{2}$	90	0 3 $\frac{1}{4}$	878
13	.710	.690	1.045	1.514	1123	260	0 9 $\frac{1}{2}$	173	0 6 $\frac{1}{2}$	87	0 3 $\frac{1}{4}$	842
	.700	.680	1.032	1.518	1077	252	0 9 $\frac{1}{4}$	170	0 6 $\frac{1}{2}$	85	0 3	808
14	.693	.673	1.024	1.521	1047	246	0 9	170	0 6 $\frac{1}{4}$	85	0 3	785
	.690	.670	1.020	1.523	1034	244	0 9	170	0 6 $\frac{1}{4}$	85	0 3	775
	.680	.660	1.009	1.529	992	236	0 8 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	744
15	.677	.657	1.006	1.531	980	235	0 8 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	735
	.670	.650	.999	1.537	953	230	0 8 $\frac{1}{2}$	170	0 6 $\frac{1}{4}$	85	0 3	715
16	.662	.642	.992	1.545	923	226	0 8 $\frac{1}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	692
	.650	.640	.990	1.547	915	225	0 8 $\frac{1}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	687
	.650	.630	.982	1.559	880	220	0 8	170	0 6 $\frac{1}{4}$	85	0 3	660
17	.649	.629	.981	1.560	876	220	0 8	170	0 6 $\frac{1}{4}$	85	0 3	657
	.640	.620	.977	1.575	848	217	0 8	170	0 6 $\frac{1}{4}$	85	0 3	636
18	.637	.617	.975	1.581	838	216	0 8	170	0 6 $\frac{1}{4}$	85	0 3	628
	.630	.610	.974	1.596	818	214	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	614
19	.626	.606	.973	1.606	807	213	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	605
	.620	.600	.974	1.623	791	212	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	594
20	.615	.595	.975	1.638	779	211	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	584
	.610	.590	.978	1.657	768	211	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	576
21	.605	.585	.980	1.676	757	210	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	568
	.600	.580	.985	1.698	748	209	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	561
22	.596	.576	.988	1.715	740	209	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	555
	.590	.570	.995	1.746	730	208	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	547
23	.587	.567	.999	1.762	725	207	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	544
	.580	.560	1.012	1.808	716	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	537
24	.579	.559	1.015	1.816	716	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	537
	.577	.557	1.021	1.833	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
25	.571	.551	1.043	1.893	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
	.570	.550	1.047	1.904	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
26	.563	.543	1.074	1.978	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
	.560	.540	1.086	2.012	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
27	.556	.536	1.103	2.057	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
28	.550	.530	1.128	2.128	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
29	.543	.523	1.158	2.214	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
	.540	.520	1.171	2.253	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
30	.537	.527	1.185	2.292	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
31	.531	.511	1.213	2.374	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
	.530	.510	1.218	2.388	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
32	.526	.506	1.237	2.445	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536
33	.520	.500	1.267	2.534	715	205	0 7 $\frac{3}{4}$	170	0 6 $\frac{1}{4}$	85	0 3	536