

CENTERFIRE BALLISTICS

These tables were calculated by computer. A standard scientific technique was used to predict trajectories from the best available data for each round. Trajectories shown typify the ammunition's performance at sea level, but note that they may vary due to atmospheric conditions and the equipment.

All velocity and energy figures in these charts have been derived by using test barrels of indicated lengths.

Ballistics shown are for 24" barrels, except those for 30 carbine and 44 Remington Magnum, which are for 20" barrels. These barrel lengths were chosen as representative, as it's impractical to show performance figures for all barrel lengths.

The muzzle velocities, muzzle energies and trajectory data in these tables represent the approximate performance expected of each specified loading. Differences in barrel lengths, internal firearm dimensions, temperature and test procedure can produce actual velocities that vary from those given here.

CENTERFIRE RIFLE VELOCITY VS. BARREL LENGTH	
Muzzle Velocity Range (ft./sec.)	Approx. Change in Muzzle Velocity per 1" Change in Barrel Length (ft./sec.)
2000-2500	10
2500-3000	20
3000-3500	30
3500-4000	40

1. Determine how much shorter, or longer, your barrel is than the test barrel.
2. In the left column of the above table, select the muzzle-velocity class of your cartridge.

VENTED TEST BARREL BALLISTICS

This Remington®-patented, industry-accepted method provides data that more precisely reflect actual use of revolver ammunition. It considers cylinder gap, barrel length, powder position, and production tolerances. Although our final values differ from conventional figures, the ammunition is unchanged. Key elements of our patented procedure include: (a) horizontal powder orientation; (b) cylinder gap: .008"; (c) barrel length: 4".

RIMFIRE
22 W.R.F.
22 Remington Special
22 Win. Model 1890 in a 22 Win. Mag. Rimfire but not conversely

CENTERFIRE
25-20 Remington
25-20 W.C.F.
25-20 Win.
25-20 Win. High Speed
25-20 Marlin
25 W.C.F.
6mm Rem.
244 Remington
25 Automatic
25 Auto. Colt Pistol (ACP)
25 (6.35mm) Automatic
6.35mm Browning
7mm Express® Remington
280 Remington

CENTERFIRE (CONT.)
30-30 Sav.
30-30 Win.
30-30 Win. Accelerator* (SEE NOTE A)
30-30 Marlin
30-30 Win. High Speed
30 W.C.F.
32 Colt Automatic
32 Auto. Colt Pistol (ACP)
32 (7.65mm) Automatic
7.65mm Automatic Pistol
7.65mm Browning (not interchangeable with 7.65mm Luger)
32 Short Colt in 32 Long Colt but not conversely (SEE NOTE C)
32 S&W in 32 S&W Long but not conversely
32 S&W Long
32 Colt New Police
32 Colt Police Positive

3. To the right of that class, read the approximate change in velocity per inch of barrel length.
4. Multiply this number by the difference in the length of your barrel from that of the test barrel.
5. If your barrel is shorter than the test barrel, subtract this figure from the muzzle velocity shown for your cartridge.
6. If your barrel is longer, add this figure to the muzzle velocity shown.

The trajectory figures shown in these ballistic tables are the rise or drop, in inches, of the bullet from a direct line of sight at selected yardage. Sighting-in distances have been set at 100 to 250 yards.

The line of sight used is 1½" above the axis of the bore. Since the rise or drop figures shown at the stated yardage are points of impact, you must hold low for positive figures, high for negative figures.

Many shooters who use the same cartridge often find it helpful to commit the rise and drop figures for that cartridge to memory, or tape them to their rifle stock. That way, they know instantly the right "hold" as soon as they estimate the target's range.

INTERCHANGEABILITY CHART

Cartridges within groups shown are interchangeable. Other substitutions should not be made without specific recommendation of the firearms manufacturer since improper combinations could result in firearm damage or personal injury.

CENTERFIRE (CONT.)
32 W.C.F. (SEE NOTE A)
32 Win. (SEE NOTE A)
32-20 Win. High Speed (SEE NOTE A)
32-20 Colt L.M.R.
32-20 W.C.F. (SEE NOTE G)
32-20 Win. and Marlin
38 S&W
38 Colt New Police
380 Webley
38 Colt Special
38 S&W Special
38 Special Targetmaster®
38 S&W Special Mid-Range (SEE NOTE D)
38 Special +P (SEE NOTE B)
38-44 Special +P (SEE NOTE B)
38 Special
38 Special Flat Point
38 Short Colt in 38 Long Colt but not conversely. Both can be used in 38 Special
38 Marlin
38 Win. (SEE NOTE A)
38 Remington (SEE NOTE A)
38-40 Win.
38 W.C.F. (SEE NOTE A)
38 Automatic in 38 Super +P but not conversely
380 Automatic
9mm Browning Short (Corto Kurz)

CENTERFIRE (CONT.)
9mm Luger (SEE NOTE E)
9mm Parabellum
44 S&W Special (SEE NOTE F)
44 Marlin
44 Win.
44 Remington
44-40 Win.
44 W.C.F.
45-70 Government
45-70 Marlin, Win.
45-70-405

NOTE A: High-speed cartridges must not be used in revolvers. They should be used only in rifles made especially for them.

NOTE B: Ammunition with "+P" on the case headstamp is loaded to higher pressure. Use only in firearms designated for this cartridge and so recommended by the gun manufacturer.

NOTE C: Not for use in revolvers chambered for 32 S&W or 32 S&W Long.

NOTE D: All 38 Special cartridges can be used in 357 Magnum revolvers but not conversely.

NOTE E: 9mm sub machine gun cartridges should not be used in handguns.

NOTE F: 44 Russian and 44 S&W Special can be used in 44 Remington Magnum revolvers but not conversely.

NOTE G: Not to be used in Win. M-66 and M-73.

CENTERFIRE BALLISTICS

Caliber	Index/EDI Number	Wt. (grs.)	Bullet Style	Primer Number	Velocity (ft./sec.)					Energy (ft.-lbs.)					Short-range ¹ Trajectory* ²					Long-range ¹ Trajectory* ²					Ballistic Co-efficient						
					Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	150	200	250	300	100	150		200	250	300	400	500	
17 Remington	R17R2	25	Hornady Hollow Point	7½	4040	3284	2644	2086	1606	1235	906	599	388	242	143	85	0.0	0.3	zero	-1.3	-3.8	-7.8	1.8	2.3	1.8	zero	-3.3	-16.6	-43.6	0.151	
22 Hornet	R22HN1	45	Pointed Soft Point	6½	2690	2042	1502	1128	948	840	723	417	225	127	90	70	0.0	zero	-2.1	-7.1	-16.0	-30.0	1.4	zero	-4.3	-12.4	-25.8	-74.2	-162.0	0.130	
	R22HN2	45	Hollow Point	6½	2690	2042	1502	1128	948	840	723	417	225	127	90	70	0.0	zero	-2.1	-7.1	-16.0	-30.0	1.4	zero	-4.3	-12.4	-25.8	-74.2	-162.0	0.130	
220 Swift	R220S1	50	Pointed Soft Point	7½	3780	3158	2617	2135	1710	1357	1586	1107	760	506	325	204	0.0	0.3	zero	-1.4	-4.0	-8.2	0.4	1.0	zero	-2.3	-6.2	-20.1	-46.1	0.175	
EtronX™	EL220SA	50	V-Max™, Boat Tail	9¼	3780	3321	2908	2532	2185	1866	1586	1224	939	711	530	387	0.0	0.3	zero	-1.2	-3.3	-6.7	0.8	0.9	zero	-1.9	-5.0	-15.4	-33.2	0.242	
221 Remington Fireball	PRV221FB	50	V-Max™, Boat Tail	7½	2995	2605	2247	1918	1622	1368	996	753	560	408	292	208	0.2	0.7	zero	-2.2	-6.1	-12.1	1.8	1.7	zero	-3.4	-8.8	-27.1	-58.8	0.238	
222 Remington	R222R1	50	Pointed Soft Point	7½	3140	2602	2123	1700	1350	1107	1094	752	500	321	202	136	0.1	0.7	zero	-2.3	-6.5	-13.1	1.9	1.7	zero	-3.6	-9.7	-31.7	-72.8	0.175	
	R222R3	50	Hollow Point Power-Lokt®	7½	3140	2635	2182	1777	1432	1172	1094	771	529	351	228	152	0.1	0.7	zero	-2.2	-6.2	-12.5	1.8	1.6	zero	-3.5	-9.2	-29.6	-67.1	0.188	
	PRV222RA	50	V-Max™, Boat Tail	7½	3140	2744	2380	2045	1740	1471	1094	836	629	464	336	240	0.1	0.6	zero	-1.9	-5.4	-10.7	1.6	1.5	zero	-3.0	-7.8	-23.9	-51.7	0.242	
223 Remington	PRV223RA	50	V-Max™, Boat Tail	7½	3300	2889	2514	2168	1851	1568	1209	927	701	522	380	273	0.0	0.5	zero	-1.7	-4.8	-9.4	-0.1	1.3	zero	-2.6	-6.9	-21.2	-45.8	0.242	
	R223R1	55	Pointed Soft Point	7½	3240	2747	2304	1905	1554	1270	1282	921	648	443	295	197	0.0	0.6	zero	-2.0	-5.6	-11.2	1.6	1.5	zero	-3.1	-8.2	-26.2	-58.6	0.197	
	R223R2	55	Hollow Point Power-Lokt®	7½	3240	2773	2352	1969	1627	1341	1282	939	675	473	323	220	0.0	0.6	zero	-1.9	-5.4	-10.7	1.5	1.4	zero	-3.0	-7.9	-24.8	-55.1	0.209	
	R223R3	55	Metal Case	7½	3240	2759	2326	1933	1587	1301	1282	929	660	456	307	207	0.0	0.6	zero	-1.9	-5.5	-11.0	1.6	1.5	zero	-3.1	-8.1	-25.5	-57.0	0.202	
	R223R6	62	Hollow Point Match	7½	3025	2572	2162	1792	1471	1217	1260	911	643	442	298	204	0.2	0.7	zero	-2.3	-6.5	-12.9	1.9	1.7	zero	-3.6	-9.4	-29.9	-66.4	0.205	
22-250 Remington	R22501	55	Pointed Soft Point	9¼	3680	3137	2656	2222	1832	1493	1654	1201	861	603	410	272	0.0	0.3	zero	-1.4	-4.0	-8.1	1.9	2.4	1.8	zero	-3.3	-15.5	-38.3	0.197	
	R22502	55	Hollow Point Power-Lokt®	9¼	3680	3209	2785	2400	2046	1725	1654	1257	947	703	511	363	0.0	0.3	zero	-1.3	-3.7	-7.4	1.8	2.2	1.7	zero	-3.0	-13.7	-32.8	0.230	
	PRV2250A	50	V-Max™, Boat Tail	9¼	3725	3272	2864	2491	2147	1832	1540	1188	910	689	512	372	0.0	0.3	zero	-1.2	-3.5	-7.0	1.7	2.1	1.6	zero	-2.8	-12.8	-30.4	0.242	
	EtronX™	EL2250A	50	V-Max™, Boat Tail	9¼	3725	3272	2864	2491	2147	1832	1540	1188	910	689	512	372	0.0	0.3	zero	-1.2	-3.5	-7.0	1.7	2.1	1.6	zero	-2.8	-12.8	-30.4	0.242
6mm Remington †	R6MM4	100	Pointed Soft Point Core-Lokt®	9¼	3100	2829	2573	2332	2104	1889	2133	1777	1470	1207	983	792	0.0	0.6	zero	-1.8	-4.8	-9.3	1.4	1.3	zero	-2.6	-6.7	-19.8	-40.8	0.356	
243 Win.	PRV243WC	75	V-Max™, Boat Tail	9¼	3375	3065	2775	2504	2248	2008	1897	1564	1282	1044	842	671	0.0	0.4	zero	-1.4	-4.0	-7.8	2.0	2.4	1.8	zero	-3.0	-13.3	-30.6	0.330	
	R243W1	80	Pointed Soft Point	9¼	3350	2955	2593	2259	1951	1670	1993	1551	1194	906	676	495	0.0	0.5	zero	-1.6	-4.5	-8.8	2.2	2.7	2.0	zero	-3.5	-15.8	-37.3	0.255	
	R243W2	80	Hollow Point Power-Lokt®	9¼	3350	2955	2593	2259	1951	1670	1993	1551	1194	906	676	495	0.0	0.5	zero	-1.6	-4.5	-8.8	2.2	2.7	2.0	zero	-3.5	-15.8	-37.3	0.255	
	EtronX™	EL243WC	90	Nosler® Ballistic Tip®	9¼	3120	2871	2635	2411	2199	1997	1946	1647	1388	1162	966	797	0.0	0.5	zero	-1.7	-4.5	-8.9	1.4	1.3	zero	-2.5	-6.4	-18.8	-38.3	0.390
	PRCS243WA	90	Swift™ Scirocco™ Bonded	9¼	3120	2871	2635	2411	2199	1997	1946	1647	1388	1162	966	797	0.0	0.5	zero	-1.7	-4.5	-8.9	1.4	1.3	zero	-2.5	-6.4	-18.8	-38.3	0.390	
PRA243WA	95	AccuTip™ Boat Tail	9¼	3120	2847	2590	2347	2118	1902	2053	1710	1415	1162	946	763	0.0	0.5	zero	-1.7	-4.6	-9.2	0.5	1.3	zero	-2.7	-6.6	-19.5	-40.2	0.355		
PRC243WA	100	Pointed Soft Point Core-Lokt® Ultra	9¼	2960	2709	2471	2246	2033	1832	1945	1629	1356	1120	917	745	0.0	0.5	zero	-2.0	-5.3	-10.3	1.6	1.5	zero	-2.9	-7.3	-21.6	-44.3	0.373		
R243W3	100	Pointed Soft Point Core-Lokt®	9¼	2960	2697	2449	2215	1993	1786	1945	1615	1332	1089	882	708	0.1	0.7	zero	-2.0	-5.4	-10.4	1.6	1.5	zero	-2.9	-7.5	-22.1	-45.4	0.356		
25-06 Remington	R25062	100	Pointed Soft Point Core-Lokt®	9¼	3230	2893	2580	2287	2014	1762	2316	1858	1478	1161	901	689	0.0	0.5	zero	-1.7	-4.6	-9.1	1.3	1.3	zero	-2.6	-6.6	-19.8	-41.7	0.292	
	R25063	120	Pointed Soft Point Core-Lokt®	9¼	2990	2730	2484	2252	2032	1825	2382	1985	1644	1351	1100	887	0.1	0.6	zero	-1.9	-5.2	-10.1	1.6	1.4	zero	-2.8	-7.2	-21.4	-44.1	0.362	
25-20 Win.	R25202	86	Soft Point	6½	1460	1194	1030	931	858	797	407	272	203	165	141	121	zero	-3.5	-13.2	-30.0	-54.7	-89.1	zero	-7.9	-22.9	-45.8	-78.5	-173.0	-315.5	0.190	
250 Savage	R250SV	100	Pointed Soft Point	9¼	2820	2504	2210	1936	1684	1461	1765	1392	1084	832	630	474	0.0	zero	-1.3	-4.1	-8.7	-15.3	2.0	1.8	zero	-3.6	-9.2	-27.7	-58.6	0.285	
257 Roberts	R257	117	Soft Point Core-Lokt®	9¼	2650	2291	1961	1663	1404	1199	1824	1363	999	718	512	373	0.0	zero	-1.6	-5.2	-10.5	-19.5	2.6	2.3	zero	-4.1	-11.7	-36.1	-78.2	0.240	
6.5x55 Swedish	R65SWE1	140	Pointed Soft Point Core-Lokt®	9¼	2550	2353	2164	1984	1814	1654	2021	1720	1456	1224	1023	850	0.0	zero	-1.5	-4.8	-9.9	-17.0	2.4	2.1	zero	-3.9	-9.8	-27.0	-57.8	0.435	
260 Remington	PRA260RA	120	AccuTip™ Boat Tail	9¼	2890	2697	2512	2334	2163	2000	2392	2083	1807	1560	1340	1146	0.1	0.7	zero	-1.8	-4.9	-9.5	1.6	1.5	zero	-2.8	-7.2	-20.7	-41.7	0.480	
R260R1	140	Pointed Soft Point Core-Lokt®	9¼	2750	2544	2347	2158	1979	1812	2351	2011	1712	1448	1217	1021	0.3	0.8	zero	-2.3	-6.1	-11.7	1.9	1.7	zero	-3.3	-8.3	-24.0	-47.2	0.435		
264 Win. Mag.	R264W2	140	Pointed Soft Point Core-Lokt®	9¼ M	3030	2782	2548	2326	2114	1914	2854	2406	2018	1682	1389	1139	0.1	0.6	zero	-1.8	-5.0	-9.6	1.5	1.4	zero	-2.7	-6.9	-20.2	-41.3	0.384	
270 Win.	R270W1	100	Pointed Soft Point	9¼	3320	2924	2561	2225	1916	1636	2448	1898	1456	1099	815	594	0.0	0.5	zero	-1.6	-4.6	-9.1	2.3	2.8	2.0	zero	-3.6	-16.2	-38.5	0.252	
	PRA270WA	130	AccuTip™ Boat Tail	9¼	3060	2845	2639	2442	2254	2076	2702	2335	2009	1721	1467	1243	0.0	0.5	zero	-1.7	-4.7	-9.0	1.4	1.3	zero	-2.4	-6.4	-18.6	-37.7	0.447	
	PRSC270WA	130	Swift™ Scirocco™ Bonded	9¼	3060	2838	2627	2425	2232	2048	2702	2325	1991	1697	1438	1211	0.0	0.6	zero	-1.7	-4.7	-9.0	1.4	1.3	zero	-2.5	-6.5	-18.8	-38.2	0.433	
	R270W2	130	Pointed Soft Point Core-Lokt®	9¼	3060	2776	2510	2259	2022	1801	2702	2225	1818	1472	1180	936	0.1	0.6	zero	-1.8	-5.1	-9.8	1.5	1.4	zero	-2.8	-7.0	-20.9	-43.3	0.336	
	R270W3	130	Bronze Point™	9¼	3060	280																									

CENTERFIRE BALLISTICS

Caliber	Index/EDI Number	Wt. (grs.)	Bullet Style	Primer Number	Velocity (ft./sec.)					Energy (ft.-lbs.)					Short-range Trajectory*					Long-range Trajectory*					Ballistic Co-efficient					
					Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	150	200	250	300	100	150		200	250	300	400	500
7mm Remington Magnum	PRC7MMRA	140	Pointed Soft Point Core-Lok [®] Ultra	9/2 M	3175	2934	2707	2490	2283	2086	3133	2676	2277	1927	1620	1353	0.1	0.5	zero	-1.6	-4.3	-8.4	1.3	1.2	zero	-2.4	-6.0	-17.7	-36.0	0.409
	R7MM4	140	Pointed Soft Point Core-Lok [®]	9/2 M	3175	2923	2684	2458	2243	2039	3133	2655	2240	1878	1564	1292	0.0	0.5	zero	-1.6	-4.4	-8.5	2.2	2.6	1.9	zero	-3.2	-14.2	-32.0	0.390
	PRSC7MMB	150	Swift [™] Scirocco [™]	9/2 M	3110	2927	2751	2582	2419	2262	3221	2852	2520	2220	1948	1704	0.0	0.5	zero	-1.6	-4.3	-8.2	1.3	1.2	zero	-2.3	-5.9	-17.0	-34.0	0.533
	PRA7MMRA	150	AccuTip [™] Boat Tail	9/2 M	3110	2926	2749	2579	2415	2258	3221	2850	2516	2215	1943	1697	0.0	0.5	zero	-1.6	-4.3	-8.2	1.3	1.2	zero	-2.3	-5.9	-17	-34.1	0.530
	R7MM2	150	Pointed Soft Point Core-Lok [®]	9/2 M	3110	2830	2568	2320	2085	1866	3221	2667	2196	1792	1448	1160	0.0	0.5	zero	-1.6	-4.6	-9.0	1.3	1.2	zero	-2.5	-6.6	-20.2	-43.4	0.346
	PRC7MMRC	160	Pointed Soft Point Core-Lok [®] Ultra	9/2 M	2950	2724	2510	2305	2109	1924	3091	2636	2237	1887	1581	1315	0.1	0.6	zero	-1.9	-5.2	-10.0	1.6	1.4	zero	-2.8	-7.1	-20.8	-42.4	0.415
	RS7MMA	160	Swift [™] A-Frame [™] Pointed Soft Point	9/2 M	2900	2659	2430	2212	2006	1812	2987	2511	2097	1739	1430	1166	0.2	0.7	zero	-2.0	-5.5	-10.7	1.7	1.5	zero	-3.0	-6.9	-19.8	-40.0	0.382
	R7MM3	175	Pointed Soft Point Core-Lok [®]	9/2 M	2860	2645	2440	2244	2057	1879	3178	2718	2313	1956	1644	1372	0.2	0.7	zero	-2.1	-5.6	-10.7	1.7	1.5	zero	-3.0	-7.6	-22.1	-44.8	0.427
7mm STW	RS7MSTWA	140	Swift [™] A-Frame [™] Pointed Soft Point	9/2 M	3325	3020	2735	2467	2215	1978	3436	2834	2324	1892	1525	1215	0.0	0.4	zero	-1.5	-4.1	-8.0	2.1	2.5	1.8	zero	-3.1	-13.8	-31.5	0.332
	R7MSTW1	140	Pointed Soft Point Core-Lok [®]	9/2 M	3325	3064	2818	2585	2364	2153	3436	2918	2468	2077	1737	1441	0.0	0.4	zero	-1.4	-3.9	-7.6	2.0	2.4	1.7	zero	-2.9	-12.8	-28.8	0.390
7mm Mauser (7x57)	R7MSR1	140	Pointed Soft Point Core-Lok [®]	9/2	2660	2435	2221	2018	1827	1648	2199	1843	1533	1266	1037	844	0.0	zero	-1.4	-4.4	-9.1	-15.8	2.2	1.9	zero	-3.6	-9.2	-27.4	-55.3	0.390
7mm Remington	PR7SM1	140	Pointed Soft Point Core-Lok [®] Ultra	9/2 M	3175	2934	2707	2490	2283	2086	3133	2676	2277	1927	1620	1353	0.1	0.5	zero	-1.6	-4.3	-8.4	1.3	1.2	zero	-2.4	-6.0	-17.7	-36.0	0.409
Short Action Ultra Mag [™]	PR7SM2	150	Pointed Soft Point Core-Lok [®]	9/2 M	3110	2828	2563	2313	2077	1856	3221	2663	2188	1782	1437	1147	0.1	0.6	zero	-1.8	-4.8	-9.4	2.5	2.9	2.1	zero	-3.6	-15.8	-36.1	0.346
	PR7SM3	160	Nosler [®] Partition [®]	9/2 M	2960	2762	2572	2390	2215	2048	3112	2709	2350	2029	1743	1490	0.1	0.6	zero	-1.8	-5.0	-9.5	2.6	3	2.2	zero	-3.6	-15.4	-34.3	0.475
7mm Remington Ultra Mag [™]	PR7UM1	140	Pointed Soft Point Core-Lok [®]	9/2 M	3425	3158	2907	2669	2444	2229	3646	3099	2626	2214	1856	1545	0.0	0.4	zero	-1.3	-3.6	-7.1	1.8	2.2	1.6	zero	-2.7	-11.9	-27.0	0.409
	PR7UM2	140	Nosler [®] Partition [®]	9/2 M	3425	3184	2956	2740	2534	2336	3646	3151	2715	2333	1995	1697	0.0	0.3	zero	-1.3	-3.5	-6.8	1.7	2.1	1.6	zero	-2.6	-11.4	-25.7	0.434
	PR7UM4	160	Nosler [®] Partition [®]	9/2 M	3200	2991	2791	2600	2417	2241	3637	3177	2767	2401	2075	1784	0.0	0.4	zero	-1.5	-4.1	-7.9	2.1	2.5	1.8	zero	-3.0	-12.9	-28.8	0.475
30 Carbine	R30CAR	110	Soft Point	6/2	1990	1567	1236	1035	923	842	967	600	373	262	208	173	0.6	zero	-4.2	-12.9	-27.2	-48.6	zero	-4.2	-12.9	-27.2	-48.6	-116.6	-225.5	0.166
30-30 Win. Accelerator [®]	R3030A	55	Soft Point	9/2	3400	2693	2085	1570	1187	986	1412	886	521	301	172	119	0.0	0.6	zero	-2.2	-6.2	-13.2	1.7	1.6	zero	-3.5	-9.9	-34.3	-83.3	0.139
30-30 Win.	R30301	150	Soft Point Core-Lok [®]	9/2	2390	1973	1605	1303	1095	974	1902	1296	858	585	399	316	0.2	zero	-2.4	-7.6	-16.1	-28.8	1.6	zero	-4.3	-12.1	-24.0	-64.2	-133.2	0.193
	R30302	170	Soft Point Core-Lok [®]	9/2	2200	1895	1619	1381	1191	1061	1827	1355	989	720	535	425	0.3	zero	-2.7	-8.3	-17.1	-29.9	1.8	zero	-4.6	-12.6	-24.5	-62.6	-125.3	0.254
	R30303	170	Hollow Point Core-Lok [®]	9/2	2200	1895	1619	1381	1191	1061	1827	1355	989	720	535	425	0.3	zero	-2.7	-8.3	-17.1	-29.9	1.8	zero	-4.6	-12.6	-24.5	-62.6	-125.3	0.254
30-40 Krag	R30402	180	Pointed Soft Point Core-Lok [®]	9/2	2430	2213	2007	1813	1632	1468	2360	1957	1610	1314	1064	861	0.1	zero	-1.8	-5.6	-11.6	-18.6	1.2	zero	-3.2	-8.5	-15.0	-39.9	-76.7	0.383
30-06 Springfield Accelerator [®]	R30069	55	Pointed Soft Point	9/2	4080	3484	2964	2499	2080	1706	2033	1482	1073	763	528	355	0.0	0.2	zero	-1.0	-3.0	-6.2	1.4	1.8	1.4	zero	-2.6	-12.2	-30.0	0.197
30-06 Springfield	R30061	125	Pointed Soft Point	9/2	3140	2780	2447	2138	1853	1595	2736	2145	1662	1269	953	706	0.0	0.6	zero	-1.9	-5.2	-10.1	1.5	1.4	zero	-2.8	-7.4	-22.4	-47.6	0.268
	PRSC3006C	150	Swift [™] Scirocco [™] Bonded	9/2	2910	2696	2492	2298	2111	1934	2820	2421	2069	1758	1485	1246	0.1	0.7	zero	-2.0	-5.3	-10.2	1.6	1.5	zero	-2.9	-7.3	-21.1	-42.3	0.435
	PRA3006A	150	AccuTip [™] Boat Tail	9/2	2910	2686	2473	2270	2077	1893	2820	2403	2037	1716	1436	1193	0.1	0.7	zero	-2.0	-5.4	-10.3	1.7	1.5	zero	-2.9	-7.4	-21.5	-43.7	0.415
	R30062	150	Pointed Soft Point Core-Lok [®]	9/2	2910	2617	2342	2083	1843	1622	2820	2281	1827	1445	1131	876	0.2	0.7	zero	-2.2	-5.9	-11.4	1.8	1.6	zero	-3.2	-8.2	-24.4	-50.9	0.314
	R30063	150	Bronze Point [™]	9/2	2910	2656	2416	2189	1974	1773	2820	2349	1944	1596	1298	1047	0.2	0.7	zero	-2.0	-5.6	-10.8	1.7	1.5	zero	-3.0	-7.7	-22.7	-46.6	0.365
	PRA3006B	165	AccuTip [™] Boat Tail	9/2	2800	2597	2403	2217	2039	1870	2872	2470	2115	1800	1523	1281	0.2	0.8	zero	-2.1	-5.9	-11.1	1.8	1.6	zero	-3.2	-7.9	-22.8	-46.2	0.447
	R3006B	165	Pointed Soft Point Core-Lok [®]	9/2	2800	2534	2283	2047	1825	1621	2872	2352	1909	1534	1220	963	0.3	0.8	zero	-2.3	-6.3	-12.1	2.0	1.7	zero	-3.4	-8.7	-25.9	-53.2	0.339
	RS3006A	180	Swift [™] A-Frame [™] Pointed Soft Point	9/2	2700	2465	2243	2032	1833	1648	2913	2429	2010	1650	1343	1085	0.0	zero	-1.3	-4.2	-8.9	-15.4	2.1	1.8	zero	-3.6	-9.1	-26.6	-54.4	0.377
	PRC3006A	150	Pointed Soft Point Core-Lok [®] Ultra	9/2	2910	2631	2368	2121	1889	1674	2820	2305	1868	1498	1188	933	0.2	0.7	zero	-2.1	-5.8	-11.2	1.8	1.6	zero	-3.1	-8.0	-23.8	-49.3	0.331
	PRSC3006B	180	Swift [™] Scirocco [™] Bonded	9/2	2700	2522	2351	2186	2028	1878	2913	2542	2208	1910	1644	1409	0.0	zero	-1.3	-4.0	-8.3	-14.2	2.0	1.7	zero	-3.3	-8.3	-23.9	-47.9	0.500
	PRC3006C	180	Pointed Soft Point Core-Lok [®] Ultra	9/2	2700	2480	2270	2070	1882	1704	2913	2457	2059	1713	1415	1161	0.0	zero	-1.3	-4.2	-8.7	-15.1	2.1	1.8	zero	-3.5	-8.9	-25.8	-52.7	0.402
	R30064	180	Soft Point Core-Lok [®]	9/2	2700	2348	2023	1727	1466	1251	2913	2203	1635	1192	859	625	0.0	zero	-1.5	-4.9	-10.3	-18.3	2.4	2.1	zero	-4.3	-11.0	-33.8	-72.8	0.248
	R30065	180	Pointed Soft Point Core-Lok [®]	9/2	2700	2469	2250	2042	1846	1663	2913	2436	2023	1666	1362	1105	0.0	zero	-1.3	-4.2	-8.8	-15.4	2.1	1.8	zero	-3.5	-9.0	-26.3	-54.0	0.383
	R30066	180	Bronze Point [™]	9/2	2700	2485	2280	2084	1899	1725	2913	2468	2077	1736	1441	1189	0.0	zero	-1.3	-4.2	-8.7	-15.0	2.1	1.8	zero	-3.5	-8.8	-25.5	-52.0	0.412
	R30067	220	Soft Point Core-Lok [®]	9/2	2410	2130	1870	1632	1422	1246	2837	2216	1708	1301	988	758														

CENTERFIRE BALLISTICS

Caliber	Index/EDI Number	Wt. (grs.)	Bullet Style	Primer Number	Velocity (ft./sec.)						Energy (ft.-lbs.)						Short-range ¹ Trajectory*						Long-range ² Trajectory*						Ballistic Co-efficient	
					Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	150	200	250	300	100	150	200	250	300	400		500
300 Wby. Mag.	R300WB1	180	Pointed Soft Point Core-Lokt®	9/4 M	3120	2866	2626	2398	2181	1976	3890	3282	2755	2298	1902	1561	0.0	0.5	zero	-1.7	-4.6	-9.0	1.4	1.3	zero	-2.5	-6.4	-18.9	-38.7	0.383
303 British	R303B1	180	Soft Point Core-Lokt®	9/4	2460	2124	1817	1542	1311	1137	2418	1803	1319	950	687	517	0.1	zero	-2.0	-5.8	-13.2	-23.3	1.3	zero	-3.1	-9.9	-19.3	-49.9	-100.8	0.247
7.62x39mm	R762391	125	Pointed Soft Point	7/4	2385	2062	1783	1533	1320	1154	1552	1180	882	652	483	370	0.1	zero	-2.2	-6.7	-14.0	-24.5	1.5	zero	-3.8	-10.4	-20.1	-51.3	-102.5	0.267
300 Remington	PR300SM1	150	Pointed Soft Point Core-Lokt® Ultra	9/4 M	3200	2901	2622	2359	2112	1880	3410	2803	2290	1854	1485	1177	0.1	0.5	zero	-1.6	-4.6	-8.9	1.3	1.2	zero	-2.5	-6.4	-19.1	-39.6	0.330
Short Action Ultra Mag™	PR300SM2	165	Pointed Soft Point Core-Lokt®	9/4 M	3075	2792	2527	2276	2040	1819	3464	2856	2339	1898	1525	1213	0.1	0.6	zero	-1.8	-5.0	-9.7	1.5	1.4	zero	-2.7	-7.0	-20.7	-42.1	0.339
	PR300SM3	180	Nosler® Partition®	9/4 M	2960	2761	2571	2389	2214	2046	3501	3047	2642	2280	1959	1673	0.1	0.6	zero	-1.8	-5.0	-9.6	2.6	3.0	2.2	zero	-3.6	-15.4	-34.3	0.474
300 Remington Ultra Mag™	PR300UM5	150	Swift™ Scirocco™ Bonded	9/4 M	3450	3208	2980	2762	2556	2358	3964	3427	2956	2541	2175	1852	0.0	0.3	zero	-1.2	-3.4	-6.7	1.7	2.1	1.5	zero	-2.6	-11.2	-25.3	0.435
	PR300UM3	180	Swift™ Scirocco™ Bonded	9/4 M	3250	3048	2856	2672	2495	2325	4221	3714	3260	2853	2487	2160	0.0	0.4	zero	-1.4	-3.9	-7.5	2.0	2.3	1.7	zero	-2.8	-12.3	-27.3	0.500
	PR300UM1	180	Nosler® Partition®	9/4 M	3250	3037	2834	2640	2454	2276	4221	3686	3201	2786	2407	2071	0.0	0.6	zero	-1.6	-4.3	-8.2	2.4	2.6	1.8	zero	-3.0	-12.7	-28.5	0.472
	PR300UM4	180	Pointed Soft Point Core-Lokt® Ultra	9/4 M	3250	2988	2742	2508	2287	2076	4221	3568	3003	2513	2088	1721	0.0	0.4	zero	-1.5	-4.2	-8.1	2.1	2.5	1.8	zero	-3.1	-13.6	-30.7	0.382
	PR300UM2	200	Nosler® Partition®	9/4 M	3025	2826	2636	2454	2279	2111	4063	3547	3086	2673	2308	1978	0.0	0.6	zero	-1.7	-4.7	-9.0	2.4	2.8	2.0	zero	-3.4	-14.6	-32.5	0.481
32-20 Win.	R32201	100	Lead	6/4	1210	1021	913	834	769	712	325	231	185	154	131	113	zero	-5.9	-20.0	-43.3	-77.4	-122.4	zero	-11.1	-31.6	-62.6	-104.7	-226.7	-410.6	0.166
32 Win. Special	R32WS2	170	Soft Point Core-Lokt®	9/4	2250	1921	1626	1372	1175	1044	1911	1393	998	710	521	411	0.3	zero	-2.6	-8.0	-16.7	-29.3	1.7	zero	-4.5	-12.4	-24.1	-62.1	-125.3	0.239
8mm Remington Magnum	R8MMRA	200	Swift™ A-Frame™ Pointed Soft Point	9/4 M	2900	2623	2361	2115	1885	1672	3734	3054	2476	1987	1577	1241	0.2	0.7	zero	-2.1	-5.8	-11.2	1.8	1.6	zero	-3.1	-8.0	-23.9	-49.6	0.332
8mm Mauser	R8MSR	170	Soft Point Core-Lokt®	9/4	2360	1969	1622	1333	1123	997	2102	1463	993	671	476	375	0.2	zero	-2.4	-7.6	-16.1	-28.6	1.6	zero	-4.4	-12.0	-23.7	-62.8	-128.9	0.205
338 Win. Mag.	RS338WA	225	Swift™ A-Frame™ Pointed Soft Point	9/4 M	2785	2517	2266	2029	1808	1605	3871	3165	2565	2057	1633	1286	0.0	zero	-1.2	-4.0	-8.5	-14.8	2.0	1.8	zero	-3.5	-8.8	-25.2	-54.1	0.337
	R338W1	225	Pointed Soft Point Core-Lokt®	9/4 M	2780	2572	2374	2184	2003	1832	3860	3305	2815	2383	2004	1676	0.0	0.8	zero	-2.2	-5.9	-11.4	1.9	1.7	zero	-3.2	-8.1	-23.4	-47.5	0.435
	R338W2	250	Pointed Soft Point Core-Lokt®	9/4 M	2660	2456	2261	2075	1898	1731	3927	3348	2837	2389	1999	1663	0.0	zero	-1.4	-4.3	-8.9	-15.4	2.1	1.9	zero	-3.5	-8.9	-26.0	-52.7	0.431
338 Remington Ultra Mag™	PR338UM2	250	Swift™ A-Frame™ Pointed Soft Point	9/4 M	2860	2647	2443	2249	2064	1887	4540	3888	3314	2807	2363	1977	0.2	0.7	zero	-2.1	-5.6	-10.6	1.7	1.5	zero	-3.0	-7.6	-22.0	-44.7	0.431
	PR338UM1	250	Swift™ A-Frame™	9/4 M	2860	2645	2440	2244	2057	1879	4540	3882	3303	2794	2347	1960	0.2	0.7	zero	-2.0	-5.6	-10.7	1.7	1.5	zero	-3.0	-7.6	-22.1	-44.9	0.427
35 Remington	R35R1	150	Pointed Soft Point Core-Lokt®	9/4	2300	1874	1506	1218	1039	934	1762	1169	755	494	359	291	0.3	zero	-2.7	-8.6	-18.2	-32.6	1.8	zero	-4.9	-13.7	-27.1	-72.5	-150.4	0.184
	R35R2	200	Soft Point Core-Lokt®	9/4	2080	1698	1376	1140	1001	911	1921	1280	841	577	445	369	0.5	zero	-3.5	-10.7	-22.6	-40.1	2.3	zero	-6.1	-16.7	-33.0	-86.6	-174.8	0.192
35 Whelen	R35WH1	200	Pointed Soft Point	9/4 M	2675	2378	2100	1842	1606	1399	3177	2510	1958	1506	1145	869	0.0	zero	-1.5	-4.7	-9.9	-17.3	2.3	2.0	zero	-4.0	-10.3	-30.8	-64.9	0.294
	R35WH3	250	Pointed Soft Point	9/4 M	2400	2197	2005	1823	1652	1496	3197	2680	2230	1844	1515	1242	0.1	zero	-1.9	-5.7	-11.8	-20.4	1.3	zero	-3.2	-8.6	-16.6	-40.0	-76.3	0.409
350 Remington Mag	R350M1	200	Pointed Soft Point Core-Lokt®	9/4 M	2775	2471	2186	1921	1678	1461	3419	2711	2122	1639	1250	947	-0.1	zero	-1.3	-4.2	-9.0	-15.8	2.1	1.8	zero	-3.6	-9.4	-28.3	-59.7	0.293
375 H&H Mag.	R375M1	270	Soft Point	9/4 M	2690	2420	2166	1928	1707	1507	4337	3510	2812	2228	1747	1361	0.0	zero	-1.4	-4.5	-9.4	-16.4	2.2	1.9	zero	-3.8	-9.7	-28.7	-59.8	0.326
	RS375MA	300	Swift™ A-Frame™ Pointed Soft Point	9/4 M	2530	2245	1979	1733	1512	1321	4262	3357	2608	2001	1523	1163	0.0	zero	-1.7	-5.4	-11.4	-19.8	2.7	2.3	zero	-4.6	-11.7	-35.0	-73.6	0.297
375 Remington Ultra Mag™	PR375UM2	270	Soft Point	9/4 M	2900	2558	2241	1947	1678	1442	5041	3922	3010	2272	1689	1246	0.0	0.8	zero	-2.3	-6.3	-12.3	1.9	1.7	2.7	-3.5	-8.9	-27.0	-57.6	0.267
	PR375UM3	300	Swift™ A-Frame™ Pointed Soft Point	9/4 M	2760	2505	2263	2035	1822	1624	5073	4178	3412	2759	2210	1757	0.3	0.8	zero	-2.4	-6.4	-12.4	2.0	1.8	zero	-3.5	-8.8	-26.1	-53.9	0.350
416 Remington Magnum	RS416RA	400	Swift™ A-Frame™ Pointed Soft Point	9/4 M	2400	2175	1962	1763	1579	1414	5115	4201	3419	2760	2214	1775	0.1	zero	-1.9	-5.9	-12.1	-20.8	1.3	zero	-3.3	-8.9	-17.0	-41.9	-80.8	0.367
44-40 Win.	R4440W	200	Soft Point	2/4	1190	1006	900	822	756	699	629	449	360	300	254	217	zero	-5.8	-20.0	-44.6	-78.6	-126.1	zero	-11.3	-33.1	-64.1	-108.7	-235.2	-422.3	0.161
44 Remington Magnum	R44MG2	240	Soft Point	2/4	1760	1380	1114	970	878	806	1650	1015	661	501	411	346	zero	-2.1	-8.7	-21.2	-40.6	-67.7	zero	-5.6	-17.0	-35.4	-61.4	-143.0	-269.9	0.166
	R44MG3	240	Semi-Jacketed Hollow Point	2/4	1760	1380	1114	970	878	806	1650	1015	661	501	411	346	zero	-2.1	-8.7	-21.2	-40.6	-67.7	zero	-5.6	-17.0	-35.4	-61.4	-143.0	-269.9	0.166
	RH44MGA	275	JHP Core-Lokt®	2/4	1580	1293	1093	976	896	832	1524	1020	730	582	490	422	1.4	zero	-6.6	-19.4	-39.2	-67.5	zero	-6.6	-19.4	-39.2	-67.5	-210.8	-280.8	0.199
444 Mar.	R444M	240	Soft Point	9/4	2350	1815	1377	1087	941	846	2942	1755	1010	630	472	381	0.2	zero	-3.2	-9.7	-20.8	-37.8	2.2	zero	-5.4	-15.4	-31.4	-86.7	-180.0	0.146
45-70 Government	R4570L	300	Jacketed Hollow Point	9/4	1810	1497	1244	1073	969	895	2182	1492	1031	767	625	533	zero	-1.3	-6.6	-16.5	-32.0	-54.1	zero	-4.6	-13.8	-28.6	-50.1	-115.7	-219.1	0.213
	R4570G	405	Soft Point	9/4	1330	1168	1055	977	918	869	1590	1227	1001	858	758	679	zero	-4.0	-14.5	-32.0	-57.5	-90.6	zero	-8.5	-24.0	-47.4	-78.6	-169.4	-301.3	0.281

Note: These ballistics reflected a test barrel length of 24" except those for 30 Carbine and 44 Remington Magnum which are 20" barrels.

Specifications are nominal. Ballistics figures established in test barrels. Individual rifles may vary from test barrel results.

*zero" indicates yardage at which rifle was sighted in.

† Inches above or below line of sight. Hold low for positive numbers, high for negative numbers.

‡ 280 Remington and 7mm Express Remington are interchangeable.

§ 6mm Remington and 244 Remington are interchangeable.

¹ Bullet does not rise more than 1" above line of sight from muzzle to sighting-in range.

² Bullet does not rise more than 3" above line of sight from muzzle to sighting-in range.

Premier® Ultra Mag™

Premier® Safari Grade

Premier® Core-Lokt® Ultra