

CENTERFIRE RIFLE BALLISTICS TABLE

- Premier® Safari Grade
- Premier® Partition®
- Premier® Ballistic Tip®
- Premier® Boat Tail
- Premier® Varmint
- Premier® EtronX™

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

- Determine how much shorter, or longer, your barrel is than the test barrel.
- In the left column of the above table, select the muzzle-velocity class of your cartridge.
- To the right of that class, read the approximate change in velocity per inch of barrel length.

- Multiply this number by the difference in the length of your barrel from that of the test barrel.
- If your barrel is shorter than the test barrel, subtract this figure from the muzzle velocity shown for your cartridge.
- 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.

FOOTNOTES:

Specifications are nominal. Ballistics figures established in test barrels.

Individual rifles may vary from test-barrel specifications.

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

† .280 Rem. and 7mm Express® Remington are interchangeable.

‡ Interchangeable in .244 Remington.

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.

NOTE: "zero" indicates yardage at which rifle was sighted in.

Caliber	Index/EDI Number	Wt. (grs.)	Bullet Style
.17 Remington	R17R2	25	Hornady Hollow Point
.22 Hornet	R22HN1	45	Pointed Soft Point
	R22HN2	45	Hollow Point
.220 Swift	R220S1	50	Pointed Soft Point
	PRV220SA	50	V-Max™, Boat Tail
	EL220SA	50	V-Max™, Boat Tail
.222 Remington	R222R1	50	Pointed Soft Point
	R222R3	50	Hollow Point Power-Lokt®
	PRV222RA	50	V-Max™, Boat Tail
.223 Remington	PRV223RA	50	V-Max™, Boat Tail
	R223R1	55	Pointed Soft Point
	R223R2	55	Hollow Point Power-Lokt®
	R223R3	55	Metal Case
	R223R6	62	Hollow Point Match
.22-250 Remington	R22501	55	Pointed Soft Point
	R22502	55	Hollow Point Power-Lokt®
	★ EL2250B	60	Nosler® Partition®
	★ PRP2250A	60	Nosler® Partition®
	PRV2250A	50	V-Max™, Boat Tail
	EL2250A	50	V-Max™, Boat Tail
.243 Win.	R243W1	80	Pointed Soft Point
	R243W2	80	Hollow Point Power-Lokt®
	R243W3	100	Pointed Soft Point Core-Lokt®
	★ EL243WA	100	Pointed Soft Point Core-Lokt®
	PRV243WC	75	V-Max™, Boat Tail
	PRT243WC	90	Nosler® Ballistic Tip®
	EL243WC	90	Nosler® Ballistic Tip®
	PRB243WA	100	Pointed Soft Point, Boat Tail
6mm Remington †	R6MM4	100	Pointed Soft Point Core-Lokt®
	PRV6MMRC	75	V-Max™, Boat Tail
	PRB6MMRA	100	Pointed Soft Point, Boat Tail
.25-20 Win.	R25202	86	Soft Point
.250 Savage	R250SV	100	Pointed Soft Point
.257 Roberts	R257	117	Soft Point Core-Lokt®
.25-06 Remington	R25062	100	Pointed Soft Point Core-Lokt®
	R25063	120	Pointed Soft Point Core-Lokt®
6.5x55 Swedish	R65SWE1	140	Pointed Soft Point Core-Lokt®
.260 Remington	R260R1	140	Pointed Soft Point Core-Lokt®
	PRT260RC	120	Nosler® Ballistic Tip®
	PRP260RA	125	Nosler® Partition®
.264 Win. Mag.	R264W2	140	Pointed Soft Point Core-Lokt®
.270 Win.	R270W1	100	Pointed Soft Point
	R270W2	130	Pointed Soft Point Core-Lokt®
	R270W3	130	Bronze Point™
	★ PRSC270WA	130	Swift™ Scirocco™
	R270W4	150	Soft Point Core-Lokt®
	RS270WA	140	Swift A-Frame™ PSP
	PRB270WA	140	Pointed Soft Point, Boat Tail
	PRT270WB	140	Nosler® Ballistic Tip®
	PRP270WD	150	Nosler® Partition®
7mm Mauser (7x57)	R7MSR1	140	Pointed Soft Point Core-Lokt®
7x64	R7X642	175	Pointed Soft Point Core-Lokt®
7mm-08 Remington	R7M082	120	Hollow Point
	R7M081	140	Pointed Soft Point Core-Lokt®
	PRB7M08RA	140	Pointed Soft Point, Boat Tail
	PRT7M08RA	140	Nosler® Ballistic Tip®
	★ PRP7M08RB	140	Nosler® Partition®
.280 Remington†	R280R3	140	Pointed Soft Point Core-Lokt®
	R280R1	150	Pointed Soft Point Core-Lokt®
	R280R2	165	Soft Point Core-Lokt®
	PRB280RA	140	Pointed Soft Point, Boat Tail
	PRT280RA	140	Nosler® Ballistic Tip®
7mm Remington Mag.	R7MM4	140	Pointed Soft Point Core-Lokt®
	★ PRSC7MMB	150	Swift™ Scirocco™
	R7MM2	150	Pointed Soft Point Core-Lokt®
	R7MM3	175	Pointed Soft Point Core-Lokt®
	PRB7MMRA	140	Pointed Soft Point, Boat Tail
	PRT7MMC	150	Nosler® Ballistic Tip®
	PRP7MMRA	160	Swift A-Frame™ PSP
	PRP7MMA	160	Nosler® Partition®
7mm STW	R7MSTW1	140	Pointed Soft Point Core-Lokt®
	RS7MSTWA	140	Swift A-Frame™ PSP

CENTERFIRE RIFLE BALLISTICS TABLE

(CONTINUED)

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 Pistol
6.35mm Browning
7mm Express® Remington
.280 Remington
.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 Pistol
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
.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)
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 head-stamp 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.

Premier® Ultra Mag™	Premier® Ballistic Tip®
Premier® Safari Grade	Premier® Boat Tail
Premier® Partition®	Premier® Varmint
	Premier® Scirocco™ Bonded

FOOTNOTES:

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

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

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.

NOTE: "zero" indicates yardage at which rifle was sighted in.

Caliber	Index/EDI Number	Wt. (grs.)	Bullet Style
7mm Remington Ultra Mag™	★ PR7UM1	140	PSP, Core-Lokt®
	★ PR7UM2	140	Nosler® Partition®
.30 Carbine	R30CAR	110	Soft Point
.30-30 Win. Accelerator®	R3030A	55	Soft Point
.30-30 Win.	R30301	150	Soft Point Core-Lokt®
	R30302	170	Soft Point Core-Lokt®
	R30303	170	Hollow Point Core-Lokt®
.300 Savage	R30SV2	150	Pointed Soft Point Core-Lokt®
	R30SV3	180	Soft Point Core-Lokt®
.30-40 Krag	R30402	180	Pointed Soft Point Core-Lokt®
.308 Win.	R308W1	150	Pointed Soft Point Core-Lokt®
	★ PRS308WA	150	Swift™ Scirocco™
	★ PRS308WB	165	Swift™ Scirocco™
	R308W7	168	Boat Tail HP Match
	R308W2	180	Soft Point Core-Lokt®
	R308W3	180	Pointed Soft Point Core-Lokt®
	PRP308WB	180	Nosler® Partition®
	PRB308WA	165	Pointed Soft Point, Boat Tail
	PRT308WB	165	Nosler® Ballistic Tip®
.30-06 Springfield Accelerator®	R30069	55	Pointed Soft Point
.30-06 Springfield	R30061	125	Pointed Soft Point
	R30062	150	Pointed Soft Point Core-Lokt®
	R30063	150	Bronze Point™
	★ PRS3006C	150	Swift™ Scirocco™
	R3006B	165	Pointed Soft Point Core-Lokt®
	R30064	180	Soft Point Core-Lokt®
	R30065	180	Pointed Soft Point Core-Lokt®
	R30066	180	Bronze Point™
	R30067	220	Soft Point Core-Lokt®
	PRT3006A	150	Nosler® Ballistic Tip®
	PRB3006SA	165	Pointed Soft Point, Boat Tail
	PRT3006B	165	Nosler® Ballistic Tip®
	RS3006A	180	Swift™ A-Frame™ PSP
	PRSC3006B	180	Swift™ Scirocco™
	PRP3006A	180	Nosler® Partition®
.300 Win. Mag.	R300W1	150	Pointed Soft Point Core-Lokt®
	R300W2	180	Pointed Soft Point Core-Lokt®
	PRP300WA	180	Nosler® Partition®
	PRT300WA	180	Nosler® Ballistic Tip®
	PRB300WA	190	Pointed Soft Point, Boat Tail
	RS300WA	200	Swift™ A-Frame™ PSP
.300 Wby. Mag.	R300WB1	180	Pointed Soft Point Core-Lokt®
	PRB300WBA	190	Pointed Soft Point, Boat Tail
	RS300WBB	200	Swift™ A-Frame™ PSP
.300 Remington Ultra Mag™	★ PR300UM5	150	Swift™ Scirocco™
	★ PR300UM4	180	Pointed Soft Point Core-Lokt®
	PR300UM1	180	Nosler® Partition®
	PR300UM3	180	Swift™ Scirocco™
	PR300UM2	200	Nosler® Partition®
.303 British	R303B1	180	Soft Point Core-Lokt®
7.62x39mm	R762391	125	Pointed Soft Point
.32-20 Win.	R32201	100	Lead
.32 Win. Special	R32WS2	170	Soft Point Core-Lokt®
8mm Remington Mag.	RS8MMRA	200	Swift™ A-Frame™ PSP
8mm Mauser	R8MSR	170	Soft Point Core-Lokt®
.338 Win. Mag.	R338W1	225	Pointed Soft Point Core-Lokt®
	R338W2	250	Pointed Soft Point Core-Lokt®
	RS338WA	225	Swift™ A-Frame™ PSP
	PRT338WB	200	Nosler® Ballistic Tip®
	PRP338WC	210	Nosler® Partition®
.338 Remington Ultra Mag™	★ PR338UM2	250	PSP, Core-Lokt®
	PR338UM1	250	Swift™ A-Frame™
.35 Remington	R35R1	150	Pointed Soft Point Core-Lokt®
	R35R2	200	Soft Point Core-Lokt®
.35 Whelen	R35WH1	200	Pointed Soft Point
	R35WH3	250	Pointed Soft Point
.375 H&H Mag.	R375M1	270	Soft Point
	RS375MA	300	Swift™ A-Frame™ PSP
.375 Remington Ultra Mag™	★ PR375UM2	270	Soft Point
	★ PR375UM3	300	Swift™ A-Frame™
.416 Remington Mag.	RS416RA	400	Swift™ A-Frame™ PSP
.44-40 Win.	R4440W	200	Soft Point
.44 Remington Mag.	R44MG6	210	Semi-Jacketed Hollow Point
	R44MG2	240	Soft Point
	R44MG3	240	Semi-Jacketed Hollow Point
	RH44MGA	275	JHP Core-Lokt®
.444 Mar.	R444M	240	Soft Point
.45-70 Government	R4570L	300	Jacketed Hollow Point
	R4570G	405	Soft Point
.458 Win. Mag.	RS458WA	450	Swift™ A-Frame™ PSP

