

WINCHESTER 2019 AMMUNITION CATALOG

STRAIGHT UP LEGENDARY

MORE ENERGY THAN 30-30 WIN., 300 BLACKOUT AND 223 REM

WORLD'S FASTEST STRAIGHT-WALLED CARTRIDGE

APPROXIMATELY 20% **LESS RECOIL** THAN 243 WIN WITH 20% MORE PENETRATION

LESS RECOIL THAN 450 BUSHMASTER

In 350 Legend Deer Season XP (shown middle)



INTRODUCING THE **WORLD'S FASTEST** STRAIGHT-WALLED CARTRIDGE

With six offerings available in 2019 designed for the hunter and sport shooter, the allnew **350 Legend** is straight-up legendary.

PAGES 5 and 10

WINCHESTER The American Legend

BORN HERE.

In 1866, Oliver Winchester had a vision. He dreamed of a company that would revolutionize the hunting and shooting world forever. Rifles that would win the American West. Cartridges that would help American warfighters around the globe. His dream became a reality through innovation, hard work and dedication to its customers.

WINCHESTER, BORN IN THE USA

BUILT HERE.

Since that day, Winchester has grown to one of the largest producers of quality ammunition products in the world. Our brand and lifestyle are woven into the fabric of America. We stand on the same independent spirit and relentless pursuit of greatness that made our country and our company what it is today.

WINCHESTER, BUILT IN THE USA

THE FOLLOWING TRADEMARKS HAVE BEEN USED WITH PERMISSION: USA SHOOTING, DUCKS UNLIMITED, INC., NATIONAL WILD TURKEY FEDERATION. SPECIFICATIONS IN THIS PRODUCT CATALOG ARE SUBJECT TO CHANGE WITHOUT NOTICE. FOR SUGGESTED RETAIL PRICING, CONSULT YOUR LOCAL WINCHESTER AMMUNITION RETAILER. HODGDON AND TRIPLE SE7EN ARE REGISTERED TRADEMARKS OF HODGDON POWDER COMPANY, INC. NOSLER, ACCUBOND, PARTITION, ETIPTM, NOSLER PARTITION AND NOSLER SOLID ARE REGISTERED TRADEMARKS OF NOSLER, INC. BALLISTIC SILVERTIP, COMBINED TECHNOLOGY AND PARTITION GOLD ARE JOINT TRADEMARKS OF NOSLER, AND OLIN CORP. CASULL IS A REGISTERED TRADEMARK OF RICHARD J. CASULL. YMAX IS A REGISTERED TRADEMARK OF HORNADY MANUFACTURING, INC. ALWAYS WEAR EYE AND HEARING PROTECTION WHEN SHOOTING.

© 2019 Olin Winchester, LLC Printed in the USA

2 Personal Defense

Winchester offers the most innovative and comprehensive line of ammunition for personal defense.

4 Recreational & Sport Shooting

Trusted ammunition on the range; it's what millions of shooters across the world have in Winchester.

8 Deer

01

02

05

06 07 08

09

12

13

14

15

16 17

18

19

20

21

22

23

24

25

27

29

31

32

33

34

35

36

Winchester ammunition is synonymous with the deer hunting tradition, both current and past.

12 Big Game

Big game. Long-range shots. Winchester builds ammunition tough enough for the most challenging hunts across the globe.

14 Waterfowl

Another season in the duck blind with Winchester means loading up with the best technologies and limiting out.

16 Turkey

Whether patterning on the range or knocking down ol' tom, Winchester turkey loads dominate. Check out the Winchester Pattern Board app online!

18 Predator

Get after predators and other nuisance species with some of the best and most complete lines of rifle, rimfire and shotshell ammunition.

20 Upland Game Birds

Whether picking out a quail from a covey or swinging on a single flushing pheasant, Winchester has an upland load to help fill your limit.

22 Ballistics

View entire lineup of Winchester ammunition and find detailed ballistics information for each and every round.

- 22 Centerfire Rifle
- 26 Centerfire Handgun
- 29 Shotshell
- 34 Rimfire
- 36 Components

38 Winchester Branded Merchandise

Live the Winchester life with the finest quality products bearing the famous Horse & Rider logo!

40 Get Digital with Winchester.com

The new Winchester.com is live! It's loaded with dynamic content and information on your favorite ammunition products. Plus, check out the award-winning Winchester Ballistics Calculator.





PERSONAL DEFENSE

2

STOP THE THREAT[®]

DEFENDER.

Defender is Winchester's most comprehensive line of ammunition for personal defense. Made with the most advanced threat-stopping technology, Defender handgun rounds feature hollow-point bullets made from a proprietary bonding process and feature a notched jacket.

Rimfire

The Winchester Defender rimfire offering in 22 Win. Mag deploys energy and penetration when needed most.

Centerfire Rifle

Defender centerfire rifle ammunition uses Split Core Technology to provide ideal balance between expansion, retained weight and penetration. Specifically designed for modern sporting rifles, this is ideal ammunition for personal defense situations.

Shotshell

Slug & Buckshot - The slug and buckshot combo round features a black oxide high-base head and 3 pellets of Grex buffered 00 plated buckshot nested on top of a 1 oz rifled slug.

Segmenting Slug - The segmenting slug features a black oxide high-base head and a 1 oz segmenting rifled slug. Upon impact, the slug breaks into three equal segments compensating for aim error and providing critical penetration.

Winchester adds 10mm to its most popular line of personal defense ammunition in 2019.

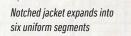
WINCHESTER

JEFENDER

 Hollow Point expands up to 1.5X the original diameter resulting in maximum stopping power

 Proprietary Bonding process welds jacket to lead resulting in improved penetration and retained weight

 Low flash powder minimizes vision loss when used in low light settings



Greater muzzle energy than 357 Magnum















BUILT FOR PERSONAL DEFENSE

Winchester continues to offer the most comprehensive lineup of personal defense ammunition products. Across all lines, rifle, handgun, shotgun, rimfire, Winchester builds products with innovation and expertise.



See page 22 for

the full line-up of Winchester personal defense centerfire rifle ammunition and **page 26** for personal defense handgun ammunition along with detailed ballistics information.





W Train & Defend®

Designed for the modern wave of self-defense training, W Train & Defend is an ammunition system that combines training loads for ample practice that are ballistically matched to defensive loads for personal defense. Regardless of whether you're shooting Train (T) or Defend (D) loads, each one is designed to limit felt recoil by the shooter.



Heavy bullets equal better terminal performance and less recoil

/ Lead-free primers in Train rounds

Shown here in 45 Auto

Shown here in 45 Auto





Super X®

Since 1922, Super X ammunition has provided exceptional quality and outstanding performance for all types of hunters and shooters who rely on its time-proven dependability backed by legendary excellence.



Hollow point provides maximum stopping power for personal defense scenarios

Engineered Jacket Profile ensures reliable functioning, precise accuracy and consistent expansion

Project Childsafe

Owning a firearm, whether for target shooting, hunting or personal protection, is a right every lawabiding American enjoys. It comes with an ongoing

commitment to safety and responsibility — something that should be fully understood before buying and storing a firearm in the home. This is at the heart of the Project Childsafe message: "Own It? Respect It. Secure It."

To help, Project Childsafe provides a "road map" of the milestones toward responsible gun ownership that should be considered. Following these guidelines can help you be a responsible firearms owner and obey the many laws regarding purchasing, ownership, storage and use. By doing so, you will be contributing to a culture of firearm safety that has produced a dramatic decline in firearms accidents.

Learn more and get started today at www.ProjectChildSafe.org



WINCHESTER The American Legend

4 RECREATIONAL & SPORT SHOOTING (

READY FOR ANYTHING

Winchester USA Ready products

Winchester USA Ready products provide a new option for serious competitors and target shooters that

are looking for premium performance and components for their sport shooting ammunition. Flat nose or open tip bullets are used for optimum accuracy and Match Grade primers provide improved consistency. In addition to components and design optimized for improved performance, Winchester will also include a unique lot code on each package tied to a new web page that allows consumers to look up the factory testing results for their

up the factory testing results for their specific lot of ammunition to see exact velocity and pressure numbers.

Flat Nose (FMJ) & Open Tip Bullets that are highly accurate & consistent

Match-Grade primers built to exact specifications for shot-to-shot consistency

Lot Controlled – ballistics data for each lot published online at Winchester.com/USAREADYINFO

Match grade primers are used in all USA Ready products. Available in a full line of centerfire rifle and handgun calibers, USA Ready has every type of ammunition you need for training and competition.





9 MM

40 S&W

45 Auto

300 Blackout

223 Rem

308 Win

6.5 Creedmoor

UNMATCHED DOWNRANGE PERFORMANCE

Whether you're a rimfire shooter looking for the ultimate round for plinking or a competitive centerfire rifle marksman doping wind and calculating trajectory to make a 1,000-yard shot, Winchester has the ammunition tools you need for fun and success at the range.

See page 22 for the full line-up of Winchester centerfire rifle ammunition and page 26 for centerfire handgun ammunition along with detailed ballistics information.

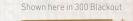




Winchester Super Suppressed

Winchester Super Suppressed[™] is made specifically for shooting through firearms outfitted with a suppressor. Super Suppressed is available in six caliberscommon to both rifles and handgunsincluding the new 350 Legend, 308 Win, 9mm Luger, 45 Auto, 22 LR and 22 Magnum. More energy than 30-30 Win., 300 Blackout and 223 Rem

Approximately 40% less recoil than 243 Win with 20% more penetration



Shown here in 350 Legend

Engineered to be clean and deliver reliable performance in both suppressed and non-suppressed firearms

Designed to deliver reliable accuracy for both target and range shooting

Velocities fall below the speed of sound to produce lower decibel levels



Infelsfelsfelsfelsfelsfels MATCH

Match

Match ammunition is made for serious marksmen seeking the ultimate in Winchester technology. The sleek bullet profile with a large boattail and small hollow point combine to ensure longrange accuracy even in challenging atmospheric conditions.

Match-style bullet profile with boattail design

Proven design Available in 223 Rem, 5.56mm, 6.5 Creedmoor, for extreme longrange accuracy 308 Win and 338 Lapua

Shown here in 6.5 Creedmoor

VINCHESTER **USA**





Generations of legendary excellence, consistent performance and outstanding value continues with Winchester® "USA White Box". Available in all popular calibers for recreational and target shooting needs, Winchester also introduces the all-new 350 Legend in USA White Box. The 350 Legend cartridge is a highperforming straight-walled cartridge that is ideal for hunters and sport shooters. Offering high velocity and low recoil, the 350 Legend is easy to shoot.

Shown here in 223 Rem

Shown here in 350 Legend

WINCHESTER The American Legend

RECREATIONAL & SPORT SHOOTING

LEGENDARY EXCELLENCE



From sporting clays to speedy trap and skeet shoots; the infamous Winchester AA line of shotshells is ideal for fun shoots and hard-core competitions. With one of the most diverse selections of product offerings, AA shotshells are available in all popular gauges and shot sizes. Millions of shooters head to the range each year and Winchester AA remains one of the most sought after shotgun shells across the world.

America's Top Shots

Team Winchester and Team USA sport shooting athletes, Dania Vizzi, Frank Thompson and Kim Rhode take on the world's best with AA shotshells.

KIM RHODE

She's the most decorated shotgun shooter in the world and the first American athlete in history to win six consecutive medals in an individual sport. Kim Rhode settles for nothing less than excellence. That's why her ammunition of choice is legendary Winchester® AA® shotgun shells.

FRANK THOMPSON

With Winchester in hand, Frank is a fierce competitor in the world of skeet. A solid ambassador for the hunting and shooting sports industry, Frank continues to train for his next Olympic showdown in 2020.





Collapsible dual-hinge wad reduces felt recoil

High-strength hull

Best-in-class powder and primers provide reliability shot after shot







6

THE CHOICE OF CHAMPIONS

Sporting clays, 5-stand, skeet, trap ... from practice to actual competition, Winchester offers one of the most heralded shotgun shell lines available in its AA and Super Target lines.

See page 29 for the full line-up of Winchester recreational shooting shotshell ammunition along with detailed ballistics information.

7



SUPER-TARGET

Super-Target®

Super value. Consistent performance. Winchester Super-Target features a hinged wad for reduced recoil and increased velocity. Clean burning powders and primers won't gum up shotgun actions with unnecessary residue, yet still deliver reliable ignition and consistent patterns with every squeeze of the trigger.



Hinged wad for Consistent patterns, excellent value reduced recoil

ders and primers





AA Steel®

Winchester AA Steel is a top performer for sporting clays, skeet, trap and other shotgun shooting fun. In addition, it's a great dove load. As a lead-free shot alternative, these loads break clays and bring down birds just like the lead loads you're used to. AA Steel is engineered to send its steel shot payload flying at 1,450 fps at the muzzle for powerful, on-target performance.





Steel shot

Offers same performance as comparable AA loads





AA TrAAcker®

The revolutionary AA TrAAcker changed the game for target shooters. Key to AA TrAAcker is the unique wad technology. The wad perfectly tracks with the shot so shooters have a visual cue of where they are missing. These loads are ballistically matched to their standard AA counterparts.

Wads track with shot column for better visibility

(F) @

LEAD





Ballistically matched to comparable AA loads

WINCHESTER The American Legend

BIGGER TIP. BIGGER IMPACT.®



Deer Season XP ammunition combines our extensive experience into a product engineered specifically for deer hunters. The Extreme Point® bullet features an oversized impact diameter. A bigger impact diameter means more impact trauma, better energy transfer, and larger wound cavities for faster knockdown.



Shown here in 6.5 Creedmoor

Tapered jacket and sleek profile bullet for better aerodynamics

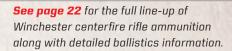
Large impact area and alloyed lead core optimized for maximum energy transfer and impact power

Polymer tip for flat trajectory and more energy retention recovered from a buck harvested with Deer Season XP

Actual bullet

DOMINANT FOR DEER

No matter what your likely hunt scenario will be this season, here are Winchester's top deer bullets, designed to deliver on whitetails, mule deer and blacktails.







Deer Season XP[®] Copper Impact™

Deer Season XP Copper Impact[™] features a large-diameter polymer tip and an engineered hollow-point bullet that initiates rapid expansion on impact. The solid copper bullet design that offers improved weight retention and deep penetration. The red, reinforced polymer tip separates it from standard Deer Season XP® loads.



Precision

accuracy due to

the polymer tip

(LF)

LEAD

Large-impact-diameter Copper Extreme Point expands immediately upon contact to deliver massive knockdown power

Solid copper bullet design, offers improved weight retention over standard jacketed lead-core bullets

Shown here in 270 Win



Shown here in 300 Win Mag



INCHESTE



Power Max Bonded

POWER-POINT®

Super X Power-Point

Power Max Bonded ammunition continues the Winchester tradition of legendary excellence with a proprietary bonding process that delivers massive expansion, long-range accuracy, and results in maximum knock-down power.



Bonded Core Technology remains welded to the jacket after impact

Shown here in 243 Win

Notched Hollow Point Contoured Jacket and bonded lead core for promotes rapid expansion maximum retained weight and penetration for quick knock-down



rapid expansion

on impact

reliable expansion

Shown here in 30.06 Sprg





Ballistic Silvertip

Considered the ballistic champs in Winchester's line, the sharp polymer tips, sleek nose profiles and boattails combine to minimize drag. For longer-range shots, this bullet delivers superior accuracy due to its ballistic coefficient and construction.

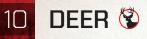


Lubalox (black oxide) coating for reduced barrel fouling

Sleek nose profile and boattail bullet design for minimized drag

9

WINCHESTER The American Legend



THE LEGEND CONTINUES



LESS RECOIL

Winchester's legendary tradition of innovation continues with the 350 Legend, the fastest straight-walled cartridge in the world. Built with hunters and sport shooters in mind, 350 Legend is versatile on the range and in the deer woods.

MORE ENERGY 200 yd. Energy Comparison in ft-lb

350 LEGEND

				903
		in the	790	
	-		781	
	603			
500	600	700	800	900
	500			603

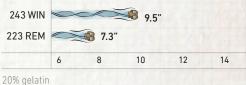
16" barrel data for 300 Blackout 20" barrel data for 350 Legend, 30-30 Win and 223 Rem



350 LEGEND

INCREASED PENETRATION

200 yd. Gel Penetration Comparison



🗳 11.7"

Deer Season XP bullets used to generate all data



Deer Season XP

The all-new 350 Legend cartridge is engineered for deer hunters to deliver massive downrange energy transfer with improved penetration from a modern straight-walled cartridge. The oversized Extreme Point® bullet offers bigger impact trauma for larger wound cavities and faster knockdown.

Super X Power-Point

The all-new 350 Legend cartridge is engineered for hunters to deliver massive downrange energy transfer with improved penetration from a modern straight-walled cartridge. Reliable expansion from the Power-Point® bullet offers proven performance and optimal retained weight for deep penetration.

Power Max Bonded

The all-new 350 Legend cartridge is engineered for deer hunters to deliver massive downrange energy transfer with optimal penetration from a modern straight-walled cartridge. Reliable expansion and maximum retained weight from Power Max Bonded® delivers massive knock-down power.

SLUGS THAT PACK A PUNCH

Some of the largest, toughest whitetails live in areas with a shotgun firearms season. For deer hunters in these areas, Winchester has developed an impressive lineup of accurate, hard-hitting slugs for a variety of barrel and choke combinations.

See page 32 for the full line-up of Winchester slugs along with detailed ballistics information.





Deer Season™

The Deer Season slug is ideal for deer hunters throughout North America. This 12-gauge slug features a 1¹/₈-ounce slug and utilizes an integrated rear stabilizer that travels downrange with the slug to improve accuracy. Better accuracy means cleaner kills and faster knockdown.





massive energy transfer Integrated rear stabilizer travels downrange with the slug for improved accuracy







Dual Bond®

XP3[™]

Built to deliver optimal penetration on deer-sized game, the Dual Bond rapidly expanding double jacket, bonded hollow point is also an excellent choice for bear and hog hunting. Upon impact, the slug is capable of driving through heavy hide and bone, while maintaining superior weight retention.

The XP3 slug is Winchester's fastest, flat-shooting slug with a 2,000 fps muzzle velocity. It is built with a patented sabot

design for improved accuracy and polymer tip for optimum

downrange ballistics. This tin-core, 300-grain slug is an

extreme performer on deer and thick-skinned game.





Bullet expands with 12 segments



are bonded together for improved retained weight





Polymer tip improves downrange ballistics Lead-free tin core bullet for





Partition Gold®

Considered one of Winchester's most popular slugs among generations of deer hunters, Partition Gold delivers terminal performance with its one-piece, four-petal sabot. This slug offers hunters incredible accuracy and downrange energy.











WINCHESTER The American Legend

TOUGH GAME. TOUGHER BULLET.



There is a certain allure to shooting targets and hunting big game at long ranges. With new technologies in firearms, ammunition and optics, more sportsmen have taken on the challenge of honing their marksmanship skills at the range before heading afield. Winchester Expedition Big Game Long Range is designed for long-range shooting and hunting. Whether you're pursuing giant moose, bear or elk ... it will come down to a single shot and Winchester big game loads are designed to make that shot count. Loaded with Nosler Accubond Long Range (LR) bullets, Winchester has combined optimum bullet weights for the most popular big game cartridges used in North America and Africa.

WINCHESTER

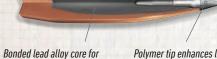
BOO WIN MAG

LONG RANGE

Shown here in 6.5 Creedmoor

BIG GAM

Sleek, tapered jacket is designed for maximum expansion at a variety of ranges



Bonded lead alloy core forPoimaximum retained weight andpeimuch deeper penetrationres

Polymer tip enhances long-range performance and bullet flight, resists deformation and initiates expansion upon impact

BUILT FOR BIG GAME

With Winchester's time-tested technology in your rifle, you carry the combined engineering expertise from more than 150 years of big game hunting bullet success.

See page 22 for the full lineup of Winchester big game loads and detailed ballistics information.

13





Expedition Big Game

Big game bullet selection made easy, Expedition Big Game matches every cartridge with the perfect Accubond® CT® bullet weight, taking the guesswork out of choosing the right round for your next adventure. From the classic 270 Win. to the game-thumping in 338 Win. Mag., Expedition Big Game offers rounds for 10 of the most popular big game hunting cartridges. Polymer tip —— initiates expansion upon impact

> Tapered jacket for ultimate in-flight performance and controlled expansion

Bonded lead alloy core and jacket are welded together for deeper penetration

Shown here in 30.06 Sprg

Shown here in 30.06 Sprg





Power Max Bonded®

Power Max Bonded bullets have been the go-to selection for serious big game hunters for years. Made with a protected hollow-point bullet that features a contoured jacket and bonded core technology for high retained weight upon impact, Power Max Bonded bullets are available in a wide range of favorite big-game hunting calibers. Hollow-point bullet with – contoured jacket for ideal in-flight characteristics

> Bonded core technology retains weight upon impact for deeper penetration

Offered in the most popular big-game calibers

The ALL NEW Winchester Ballistics Calculator



The ALL NEW, award-winning Winchester Ballistics Calculator is here! Available as a FREE app for both iOS and Android, and loaded with features for hunters and shooters around the world. Choose your favorite Winchester loads and customize the shooting conditions to replicate ballistics performance in your own shooting or hunting environment. Not only does the ballistic calculator provide easy to read ballistics charts and graphs, it now features the revolutionary 'shooters-eye view', which visually illustrates the point of impact, aimpoint, drop drift and trajectory. Load up and use it!

Available as a free app to download on the iOS app store and Android Play store

ALL NEW FEATURES IN 2019



WINCHESTER The

y Legend

14 WATERFOWL & S

31/2 M + 1 3/8 - 182

LET. IT. SNOW.



Xpert Snow Goose is offered in a variety of hard-hitting offerings, including a 1 & 2 shot size combination.

th of children. Read all warnings on pe

WINCHEST

Waterfowl hunters are some of the most particular when it comes to the latest and greatest gear including calls, decoys and more. Each species requires a unique set of techniques, setups and of course, ammunition. Snow goose hunters demand excellence from their ammunition, and Winchester delivers. Xpert® Snow Goose combines Winchester's trusted Xpert Steel Shot with the tight patterning Diamond Cut Wad used in Winchester Blind Side® to produce the ultimate snow goose shotshell. With payloads and shot sizes optimized for snow geese, Xpert® Snow Goose is sure to help you fill your limit.

B

ADE IN USA





Xpert® Steel Shot is corrosion resistant for consistent patterns High velocity shot yields more energy per pellet for increased range and shorter leads, resulting in greater terminal performance Low visibility gray hull and black wad conceal easily in bare or snow covered fields



DEVASTATING ON WATERFOWL

Offering a shotshell for every waterfowler in every situation, there's a perfect Winchester option to meet your demand for performance, reliability and affordability.

See page 30 for the full line-up of Winchester shotshell loads along with detailed ballistics information.





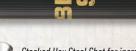
Blind Side®

Winchester Blind Side combines ground-breaking, stacked Hex Steel Shot Technology and the Diamond Cut Wad in the most deadly waterfowl load available. The six-sided, multipleedged shot provided increased trauma and wound channels, while the Diamond Cut Wad is designed to help with consistent patterns and increase kill zones by up to 25%.



(IF)®

LEAD



Stacked Hex Steel Shot for increased trauma and faster kills

Diamond Cut Wad designed to provide choke responsiveness and optimum pattern performance to increase kill zone

Drylok Super Steel® System keeps powder dry in the worst conditions





Drylok Super Steel®

Winchester Drylok Super Steel shotshells provide water-resistant, highvelocity, knockdown performance for any kind of foul weather hunting situation a waterfowler might encounter. The two-piece, double-seal wad and a high-volume, barrel-protecting shot cup helps deliver a powerful load of rust-resistant, plated-steel shot to your target.

LEAD

Hard-hitting plated steel shot



Drylok Super Steel Wad keeps powder dry for consistent velocities

Lacquered primer aids water resistance and reliability





Super X[®] Xpert[®] HV

Winchester Super X Xpert HV shotshells offer a true breakthrough in highperformance, value-priced, steel loads built to meet the increasing demand for lower-cost, nontoxic loads for waterfowl shooting. A proprietary shot manufacturing process and a specially designed shot cup deliver optimum performance at an affordable price.



Proven quality, value priced



High velocity loads for hard-hitting performance Available in 12 and 20 gauge offerings

15



LOK'D & LETHAL

Long Beard XR, available in 12 and 20 gauge, is the most innovative turkey load ever developed by Winchester and is ideal

for close- and long-range gobblers.

50

3 1000 II/4

For millions of hunters across North America, a wild turkey hunt is what they live for most. Many turkey hunters are fanatics about their shotgun, choke and ammunition setup well before the season begins. Winchester offers some of the most popular loads in both 12 and 20 gauge. Paired with the right shotgun and choke, shotshells like Long Beard XR deliver more than impressive, and consistent patterns at a variety of ranges, which is what every turkey hunter needs. Check out the award-winning Winchester Pattern Board App on Winchester.com to view target and load data, which will be helpful in selecting the right load for turkey hunting.

Shot-Lok Technology consists of a hardened resin that helps copper-plated lead shot resist deformation upon firing

ardened 10% more penetration at shot 50 yards over standard lead loads 2X THE PELLETS ON TARGET AT 60 YARDS THAN STANDARD TURKEY LOADS



Long Beard XR, Clean Sweep at NWTF Still Target Championships The National Wild Turkey Federation's annual Still Target Championships is the ultimate testing ground for the best turkey loads in the industry. In 2018, the Sloan family proved they were true champions on the line, bringing home first-place honors in six of the seven divisions, using Winchester Long Beard XR. Eli Sloan broke the 20-Gauge Open Division World Record, put 46 pellets inside of a 3-inch circle to break Chris Scott's previous World Record of 39. Sloan used Winchester 20-gauge Long Beard XR No. 6 loads. Sloan's shot also set the Extreme JAKES Division record, which was a new division in 2018. Winchester loads won every division at the 2018 Still Target

Championship and currently hold every world record set at the annual event.





LETHAL ON TURKEYS

From the legendary lines of Double X and Super X, to the superstar, Long Beard XR, Winchester delivers some of the most innovative and industry-leading shotgun shells for turkey hunters.

See page 31 for the full line-up of Winchester turkey loads along with detailed ballistics information.

17





Xtended Range™ Bismuth

In 2018, Winchester introduced Xtended Range Bismuth with Shot-Lok Technology. With density greater than steel, Bismuth shot performs more closely to traditional lead loads. To improve pattern density and increase downrange energy, Shot-Lok technology is used to protect the Bismuth shot from fracturing.



Bismuth shot performs better than steel

Hardened Shot-Lok resin helps Bismuth shot resist fracturing upon firing





Double X[®]

Turkey hunters have trusted Double X by Winchester for decades. The copper-plated shot is protected by Grex buffering and hits hard, consistently dropping gobblers every year for tens of thousands of turkey hunters. Whether you're looking for velocity or payload, Winchester has you covered with both Magnum and High Velocity offerings in the Double X line.



Copper-plated shot for Grex better penetration defo

Grex buffering reduces shot A deformation upon firing

PATTERN BCARD

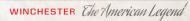
Available in both Magnum and High Velocity offerings

The Winchester Pattern Board

The Winchester Pattern Board allows you to select your gauge, choke, shell length, pellet size, brand and distance and view the real pattern from that load as well as patterns from comparable loads.

- Compare multiple turkey load patterns before firing a single shot
- See patterns at 10-yard increments from 10 yards out to 70 yards
- Examine pellet count and density within 3-, 5-, 15- and 30-inch circles





18 VARMINT 🖗 🚱 🖒

XTREME ON PREDATORS



Predator hunters require accurate, flat-shooting ammunition. The Winchester lineup is diverse and ready for fast action in the field.

POLYMER TIP RAPID EXPANSION

WINCHESTE

VARMINI

223 REN 55 GRAIN

The trend speaks for itself ... more sportsmen have picked up predator hunting in the last decade and for a variety of reasons. The seasons can be longer in some areas of the country. Managing predator populations is a form of conservation ... less coyotes and fox mean more turkeys, deer and waterfowl (just to name a few species). In addition, landowners in certain parts of the country prefer that their livestock and pets be protected from predators. Finally, with so many new products, (including firearms and ammunition), it's one more opportunity to hone hunting skills against some crafty and cunning predators. Winchester makes ammunition specifically for predator-varmint hunting, from the Varmint X line to the fastest rimfire in the world ... the 17 WSM.

Wind-stabilizing bullet profile delivers accurate long-range shots on small target areas predators present

Lead-core bullet with alloy jacket

22 Hornet

22-250 Rem

223 Rem

204

243 Win

Polymer tip Initiates expansion upon impact and limits pelt-damaging pass-throughs

VARMINTS BEWARE

Whether hunting coyotes on the wide-open plains of Kansas or prairie dogs on an open expanse in Wyoming, Winchester has predator and varmint hunters covered with loads that deliver the best blend of accuracy and terminal performance, without overly damaging pelts.



See page 22 for the full lineup of Winchester predator ammunition and detailed ballistics information.

19





Varmint X[®] Shotshells

For those sportsmen who hunt thick terrain, where predators are coming in quick and close, Varmint X shotshells bring the proven Shot-Lok Technology to a load that means serious business for predators. The 3-inch shells are capable of delivering 6-plus inches of penetration beyond 50 yards with pellet counts exceeding 35-40 pellets inside a 10-inch circle.

Proven Shot-Lok Technology delivers tighter patterns at longer distance

3-inch shells are packed with 1½ ounces of copper-plated lead BBs (75 pellets)

Leaves the muzzle at 1,300 fps







Varmint HE[®] (High Energy)

Headlined with Winchester's ground-breaking 17 Win Super Mag (WSM), the fastest rimfire round ever developed, Varmint HE is designed to deliver maximum shock and deep penetration for an instant terminal upset upon impact. In addition to the 25-grain polymer-tipped 17 WSM, the line also offers a .22 LR segmenting hollow point and a .22 Win. Mag.

25 grain polymer-tipped fragmenting bullet for instant terminal upset

Designed for maximum impact

Shown here in 17 WSM



Varmint HV[®] (High Velocity)

In the Varmint HV line is where the 17 WSM truly achieves its groundbreaking swagger as the lighter 20-grain polymer-tipped round exits the muzzle at a stunning 3,000 fps. Varmint HV is about velocity, delivered from clean burning powders and non-corrosive primers for accurate and reliable performance shot after shot.

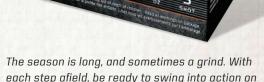
Polymer-tipped Clean burning powder and fragmenting bullet non-corrosive primer

Designed for higher velocity

20 UPLAND GAME 🙈 🙈

ROOOOSTER!

WINCHESTER



300

AGONUM HIGH BRASS

Super Pheasant is built with copper-plated lead shot and specially engineered wads to deliver highvelocity penetration and superior pattern density. The high brass magnum loads boast a velocity of 1,450 fps at the muzzle. It's available in 12 and 20 gauge, and in multiple shot sizes.

each step afield, be ready to swing into action on the flush. Trust your instincts and your ammunition.





Plated lead shot for deeper penetration

High 1,450 fps velocity for excellent terminal performance

Powerful high brass magnum loads

0-15 YDS.

SHOT 1

15-30 YDS.

SHOT 2

30-45 YDS.

SHOT 3

LOKTO & LETT

Your Ace in the Hole

It happens ... a rooster flushes, your adrenaline is at an all-time high as you shoulder your shotgun. Miss. Miss. The ringneck is racing skyward and with only one shot left. The optimal third load is one that can deliver power at that longer range. Consider Rooster XR for your final shot. Rooster XR is built with Shot-Lok technology and copper-plated shot for extreme knockdown. Especially during the late season, birds can flush early and present challenges to even the most

experienced hunters.

ENGINEERED FOR UPLAND & SMALL GAME

Whether you're working corn stubble fields for wild flying pheasants or pushing timber for small game like rabbits or squirrels, Winchester has honed its shotshell technology and has a load with the right shot size and precise performance needed for your hunt.

See page 30 for the full line-up of Winchester upland and small game loads along with detailed ballistics information.

21





Rooster XR®

Rooster XR features Shot-Lok Technology, which utilizes a hardened resin to help copper-plated lead shot resist deformation upon firing. Less deformation results in more pellets and better penetration downrange. It's the perfect load for upland hunters in need of an advantage when shooting ringnecks at longer ranges. Shot-Lok's hardened resin helps copperplated lead shot resist deformation upon firing



10% more penetration at 50 yards over standard lead loads *Twice the pellets on target at 60 yards than standard pheasant loads*





Super X®

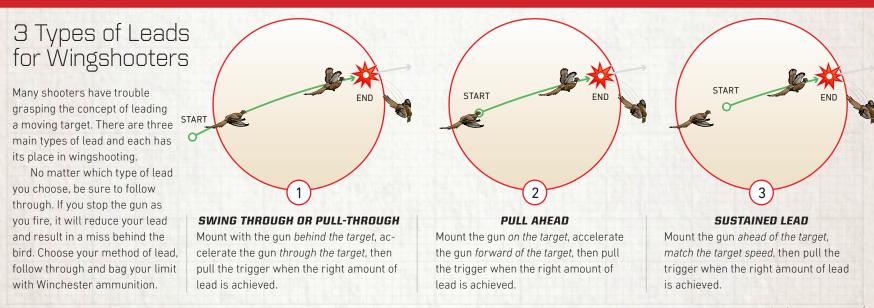
Super X is one of the most diverse and proven lines of shotshells in history and brings with it decades of shotshell know-how packed in every hull. The Super X line boasts nearly 20 offerings that are ideal for upland and small game hunters across North America. Super X offers the best mix of in-thefield or on-the-range quality with off-the-shelf value.





Excellent qualityWide selection of offeringsand valuefor every hunter

Available in 12, 16, 20, 28 and 410



CENTERFIRE RIFLE

Winchester continues its leadership in delivering innovative and quality centerfire rifle products. From bullets engineered specifically for white-tailed deer, predator and other big game, to products built for target shooting and personal defense, Winchester offers a comprehensive lineup of technology-driven and affordable products for hunters and shooters alike.



			Dullation	(+			V-1:+-	in Frank	DecCas						Deveed	- /6+ 11-		Tesis		Cha	+ D	Veede	Teel					
	Contridao	Sumbol	Bullet W		Dullat Tuna			200		cond (fps 400	500	Muzzle	Energy				5.) 500			y, Shoi 200	t Range 300	400				Range Y	500	
	Cartridge	Symbol	(Grs.)	D.C.	Bullet Type	Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	300	50	100	200	300	400	100	200	300	400	500	
	17 Hornet	X17P	20	0.185	Varmint X	3650	3078	2574	2122	1721	1383	592	421	294	200	131	85	-0.4	0	-2.2	-9.7	-25.1	1.1	0	-6.4	-20.6	1.4.9	
	204 Ruger	X204P	32	0.210	Varmint X	4000	3449	2962	2526	2129	1770	1137	845	623	453	322	223	-0.4	0	-1.4	-6.9	-17.8	0.7	0	-4.7	-14.9	-32.9	
	218 Bee	X218B	46	0.130	Hollow Point	2760	2103	1551	1156	961	850	778	451	246	137	94	74	0.0	0	-6.6		-75.6	3.3	0		-62.4	-	
	22 Hornet	X22P	35	0.109	Varmint X	3100	2271	1591	1127	924	-	747	401	197	99	66	-	-0.1	0	-5.5	-25.5		2.8	0		-61.5	-	
	22 Hornet	X22H1	45	0.130	Soft Point	2690	2042	1502	1128	947	840	723	416	225	127	90	70	0.0	0	-7.1	-30.1		3.6	0	-19.4		_	
	22 Hornet	X22H2	46	0.130	Hollow Point	2690	2042	1504	1120	949	841	739	426	231	130	92	72	0.0	0	-7.1	-30.0		3.6	0	-19.4	-65.9	_	
	220 Swift	X2205	50	0.200	Pointed Soft Point	3870		2816	2373	1972	1616	1663	1226	881	625	432	290	-0.4	0	-1.7	-7.8	-20.2	0.8	0		-16.7		
	222 Remington	X222R	50	0.175	Pointed Soft Point	3140	2602	2123	1700	1350	1107	1094	752	500	321	202	136	-0.2	0	-3.7	-15.3	-39.1	2.2	0	-10.0	-32.3		
	22-250 Remington	SBST22250B	55	0.267	Ballistic Silvertip	3680	3272	2900	2558	2240	1946	1654	1307	1027	799	613	462	-0.4	0	-1.8	-7.7	-18.9	0.9	0	-5.0	-15.4	-32.8	
(lp)	22-250 Remington	X22250PLF	38	0.156	Varmint X Lead Free	4090	3350	2721	2172	1694	1308	1411	946	625	398	242	144	-1.5	0	-1.6	-8.1	-22.0	0.8	0		-18.7		
	22-250 Remington	X22250P	55	0.255	Varmint X	3680	3253	2867	2511	2183	1880	1654	1292	1003	770	582	432	-0.4	0	-1.8	-7.9	-19.5	0.9	0	-5.2	-15.9	-33.9	
	22-250 Remington	X222501	55	0.197	Pointed Soft Point	3680	3137	2656	2222	1832	1493	1654	1201	861	603	410	272	-0.4	0	-2.1	-9.1	-23.3	1.0	0	-6.0	-19.2		
	22-250 Remington	X222502	64	0.251	Power-Point	3500	3086	2708	2360	2038	1744	1741	1353	1042	791	590	432	-0.3	0	-2.2	-9.1	-22.4	1.1	0	-5.9	-18.0	-38.6	
	22-250 Remington	USA222502	45	0.185	Jacketed H. P.	3950	3336	2802	2326	1900	1529	1559	1112	784	541	361	234	-0.4	0	-1.7	-7.8	-20.5	0.8	0	-5.3	-17.1	-38.8	
	5.56mm	S556M	77	0.340	Match BTHP	2750	2488	2240	2007	1789	1589	1293	1058	858	689	547	432	-0.1	0	-4.1	-15.2	-35.0	2.1	0	-9.0	-26.7	-55.3	
	5.56mm	X556TG	55	0.267	Three Gun	3270	2898	2555	2238	1943	1675	1306	1025	797	611	461	342	-0.3	0	-2.7	-10.7	-25.7	1.6	0	-7.0	-21.0	-44.2	
	5.56mm	Q3131	55	0.267	Full Metal Jacket	3270	2898	2555	2238	1943	1675	1306	1025	797	611	461	342	-0.3	0	-2.7	-10.7	-25.7	1.6	0	-7.0	-21.0	-44.2	
	5.56mm (180 RP)	USA3131W	55	0.267	Full Metal Jacket	3270	2898	2555	2238	1943	1675	1306	1025	797	611	461	342	-0.3	0	-2.7	-10.7	-25.7	1.6	0	-7.0	-21.0	-44.2	
	223 Remington	S223RPDB++	60	0.208	Defender	2750	2329	1947	-	-	-	1007	723	505	-	-	-	-0.7	0	-3.7	-	-	-	-	-	-	-	
	223 Remington	S223RPDB2++**	77	0.319	Defender	2500	2236	1988	-	-		1068	855	676	-	-		-0.6	0	-4.2		- 1	-	-	-	-	-	
	223 Remington	SBST223B	55	0.267	Ballistic Silvertip	3240	2871	2531	2215	1923	1657	1282	1006	782	599	451	335	-0.3	0	-2.7	-10.9	-26.3	1.4	0	-6.8	-20.8	-44.3	
	223 Remington	S223M2	69	0.297	Match BTHP	3000	2685	2391	2115	1858	1624	1380	1105	876	685	529	404	-0.2	0	-3.3	-12.8	-30.1	1.7	0	-7.8	-23.4	-49.1	
	223 Remington	X223R2BP**	64	0.231	Power Max Bonded	3020	2616	2246	1908	1605	1347	1296	973	717	517	366	258	-0.2	0	-3.6	-14.2	-34.4	1.8	0	-8.8	-27.2	-59.2	
œ	223 Remington	X223LF**	64	0.247	Power-Core	3020	2641	2293	1971	1679	1425	1296	991	747	552	401	288	-0.2	0	-3.5	-13.7	-32.9	1.8	0	-8.4	-25.9	-55.8	
	223 Remington	X223DS**	64	0.282	Deer Season XP	3020	2693	2387	2103	1839	1599	1296	1030	810	628	480	363	-0.2	0	-3.3	-13.8	-30.1	1.7	0	-7.8	-23.5	-49.6	
(j)	223 Remington	X223PLF	38	0.156	Varmint X Lead Free	3800	3106	2509	1986	1538	1199	1218	814	531	333	199	121	-0.4	0	-2.2	-10.0	-26.8	1.1	0	-6.7	-22.5	-53.2	
	223 Remington	X223P1	40	0.200	Varmint X	3600	3073	2605	2181	1801	1471	1151	839	602	423	288	192	-0.4	0	-2.2	-9.6	-24.4	1.1	0	-6.3	-20.0	-44.6	
	223 Remington	X223P	55	0.255	Varmint X	3240	2854	2500	2172	1871	1598	1282	995	763	576	427	312	-0.3	0	-2.8	-11.2	-27.0	1.4	0	-7.0	-21.4	-45.9	
	223 Remington	X223R	55	0.197	Pointed Soft Point	3240	2747	2304	1905	1554	1270	1282	921	648	443	295	197	-0.3	0	-3.2	-12.9	-32.5	1.9	0	-8.5	-26.7	-59.6	
	223 Remington	X223R2**	64	0.257	Power-Point	3020	2656	2320	2009	1724	1473	1296	1003	765	574	423	308	-0.2	0	-3.5	-13.4	-32.1	1.7	0	-8.2	-25.1	-53.6	
	223 Remington	USA2232	45	0.185	Jacketed H. P.	3600	3033	2533	2085	1687	1356	1295	919	641	434	284	184	-0.4	0	-2.3	-10.1	-26.1	1.2	0	-6.7	-21.4	-48.7	
	223 Remington	USA223R1	55	0.255	Full Metal Jacket	3240	2854	2499	2172	1869	1597	1282	995	763	576	427	311	-0.3	0	-2.8	-11.2	-27.0	1.4	0	-7.0	-21.4	-45.9	
	223 Remington	USA223R3**	62	0.283	Full Metal Jacket	3100	2762	2448	2155	1884	1636	1323	1050	825	640	488	368	-0.2	0	-3.1	-12.0	-28.4	1.5	0	-7.4	-22.3	-47.1	
	223 Remington	RED223	62	0.216	Open Tip	3065	2630	2235	1875	1557	1294	1293	952	687	484	334	230	-0.2		-3.6	-7.8	-34.8	1.8	0.0	-8.8	-27.7	-61.0	
	223 WSSM	SBST223SS	55	0.276	Ballistic Silvertip	3850	3438	3064	2721	2402	2105	1810	1444	1147	904	704	541	-0.4	0	-1.5	-6.6	-16.5	0.7	0	-4.4	-13.6	-28.8	
	223 WSSM	X223WSS	55	0.233	Pointed Soft Point	3850	3367		2541	2181	1851	1810	1384	1051	789	581	418	-0.4	0	-1.6	-7.2	-18.3	0.8	0			-32.8	
	223 WSSM	X223WSS1	64	0.233	Power-Point	3600	3144	2732	2356	2011	1698	1841	1404	1061	789	574	410	-0.4	0	-2.0	-8.8	-21.8	1.0	0	-5.7	-17.7	-38.5	
	225 Winchester	X2251	55	0.208	Pointed Soft Point	3570	3066	2616	2207	1838	1514	1556	1148	835	595	412	280	-0.4	0	-2.2	-9.6	-24.2	1.1	0	-6.2	-19.7		
	243 Winchester	SBST243	55	0.276	Ballistic Silvertip	3910	3493	3114	2766	2444	2144	1867	1489	1184	934	729	562	-0.4	0	-1.4	-6.3	-15.9	0.7	0	-4.3		-27.7	
	243 Winchester	SBST243A	95	0.400	Ballistic Silvertip	3100	2854	2626	2410	2203	2007	2021	1719	1455			850	-0.3	0	-2.8	-10.6	-24.4	1.4	0	-6.4	-18.9	-38.4	
~	243 Winchester	X2432BP	100	0.372	Power Max Bonded	2960	2708	2470	2244	2031	1829	1945	1628	1355	1118	915	743	-0.2	0	-3.3	-12.2	-28.1	1.6	0	-7.3	-21.6	-44.3	
œ	243 Winchester	X243PLF	55	0.195	Varmint X Lead Free	3910	3333	2827	2374	1965	1603	1867	1357	976	688	471	314	-0.4	0	-1.7	-7.7	-20.0	0.8	0	-5.2	-16.7	-37.3	

Ballistic Coefficient (BC): The "Ballistic Coefficient" or B.C. of a projectile (bullet) is a measure of its efficiency in flight or how well it is able to overcome air resistance. The higher the ballistic coefficient, the less velocity a bullet will lose over distance — resulting in less drop at longer ranges and more energy on target. So, for long range hunting or target shooting, the higher the B.C. the better.

++ Ballistic information for this symbol is based upon modern sporting rifle (AR platform) equipped with a 16" barrel and a 2.8" sight height. Indicates ballistic data generated from 20" barrel length. All other ballistic data generated from 24" barrel length.

LEAD-FREE PROJECTILE

RED TEXT = NEW PRODUCT

** Intended for use in fast twist barrels (e.g., 1 in 7 to 1 in 9). Slower twist barrels may not sufficiently stabilize bullet. # Also acceptable for use in pistols and revolvers.

THE CENTERFIRE RIFLE CARTRIDGE

It's the ammunition that won the American west. Accurate. Versatile. Hard-hitting. Winchester's extensive line of centerfire rifle cartridges offer the hunter and sport shooter a variety of options. Here's a look inside the round at what makes Winchester's centerfire rifle ammunition so accurate, as well as the options available to you.

THE POWDER

THE PRIMER

A proprietary mix of ball propellant that is clean burning and specially formulated for shot-to-shot consistency across a wide temperature range. Quality components and priming mix to initiate consistent ignition, giving hunters and target shooters the peace of mind and confidence to take the shot.

THE BULLET

Traditional cup and core bullet design for hunting and target shooting, time

tested in the field. The Power-Point bullet has been the bullet of choice for sportsman since it was introduced in the early 1960's.

			Bullet W	t.		١	Velocity	in Feet	Per Sec	ond (fps)	E	nergy i	in Foot I	Pounds	(ft-lbs	.)	Trajec	ctory	Short	Range	Yards	Tra	ectory	, Long	Range \	Yards
	Cartridge	Symbol	(Grs.)	B.C.	Bullet Type	Muzzle			300		500	Muzzle	100	200	300	400	500	50	100	200	300	400	100	200	300	400	500
œ	243 Winchester	X243WLF	90	0.354	Power-Core	3100	2828	2571	2329	2099	1884	1920	1597	1321	1083	881	709	-0.3	0	-2.9	-11.0	-25.6	1.4	0	-6.7	-19.8	-40.9
(j)	243 Winchester	X243DSLF	85	0.344	Deer Season XP Copper Impact	3260	2969	2697	2441	2199	1971	2005	1664	1373	1124	913	733	-0.3	0	-2.5	-9.7	-22.8	1.2	0	-6.0	-17.9	-37.0
	243 Winchester	X243P	58	0.250	Varmint-X	3850	3398	2991	2619	2276	1959	1909	1487	1152	883	667	494	-0.4	0	-1.5	-7.0	-17.5	0.8	0	-4.7	-14.5	-31.0
	243 Winchester	X243DS	95	0.363	Deer Season XP	3100	2834	2583	2346	2122	1910	2027	1694	1408	1161	949	769	-0.3	0	-2.8	-10.9	-25.3	1.4	0	-6.6	-19.6	-40.4
	243 Winchester	X2431	80	0.255	Pointed Soft Point	3350	2955	2594	2259	1951	1670	1993	1551	1195	907	676	495	-0.4	0	-1.7	-6.9	-15.7	1.3	0	-6.5	-19.8	-42.3
	243 Winchester	X2432	100	0.356	Power-Point	2960	2697	2449	2215	1993	1786	1945	1615	1332	1089	882	708	-0.2	0	-3.3	-12.4	-28.6	1.9	0	-7.8	-22.6	-46.3
	6mm Remington	X6MMR2	100	0.356	Power-Point	3100	2829	2573	2332	2104	1889	2133	1777	1470	1207	983	792	-0.3	0	-2.9	-11.0	-25.5	1.7	0	-7.0	-20.4	-41.7
	243 WSSM	SBST243SSA	95	0.401	Ballistic Silvertip	3150	2905	2674	2453	2244	2045	2093	1780	1508	1270	1062	882	-0.3	0	-2.6	-10.1	-23.4	1.3	0	-6.2	-18.2	-37.1
	243 WSSM	X243WSS	100	0.356	Power-Point	3110	2838	2583	2341	2112	1897	2147	1789	1481	1217	991	799	-0.3	0	-2.8	-10.9	-25.3	1.4	0	-6.6	-19.7	-40.5
	25 WSSM	SBST25WSS	85	0.333	Ballistic Silvertip	3470	3156	2863	2589	2331	2088	2273	1880	1548	1266	1026	823	-0.4	0	-2.0	-8.3	-19.7	1.0	0	-5.2	-15.7	-32.5
	25 WSSM	X25WSS	120	0.344	Positive Exp. Point	2990	2717	2459	2216	1987	1773	2383	1967	1612	1309	1053	838	-0.2	0	-3.2	-12.2	-28.3	1.6	0	-7.4	-21.8	-45.1
	25-06 Remington	SBST2506A	85	0.333	Ballistic Silvertip	3470	3156	2863	2589	2331	2088	2273	1880	1548	1266	1026	823	-0.4	0	-2.0	-8.3	-19.7	1.0	0	-5.2	-15.7	-32.5
	25-06 Remington	SBST2506	115	0.446	Ballistic Silvertip	3060	2844	2639	2442	2254	2074	2392	2066	1778	1523	1298	1099	-0.3	0	-2.8	-10.6	-24.3	1.4	0	-6.4	-18.6	-37.7
	25-06 Remington	X2506DS	117	0.453	Deer Season XP	3100	2886	2681	2486	2299	2120	2496	2163	1867	1605	1373	1168	-0.3	0	-2.7	-10.2	-23.4	1.3	0	-6.2	-18.0	-36.4
	25-06 Remington	X25061	90	0.259	Positive Exp. Point	3440	3043	2680	2344	2034	1749	2364	1850	1435	1098	826	611	-0.3	0	-2.3	-9.4	-22.9	1.1	0	-6.0	-18.4	-39.2
	25-06 Remington	X25062	120	0.344	Positive Exp. Point	2990	2717	2459	2216	1987	1773	2382	1967	1612	1309	1053	838	-0.2	0	-3.2	-12.2	-28.3	1.6	0	-7.4	-21.8	-45.1
	25-20 Winchester	X25202	86	0.191	Soft Point	1460	1195	1031	932	859	798	407	273	203	166	141	122	2.1	0	-23.5	-79.6	-	11.4	0	-44.1	-	
	25-35 Winchester	X2535	117	0.213	Power-Point	2230	1866	1545	1281	1096	984	1292	904	620	426	312	252	0.6	0	-9.2	-33.2	-78.4	4.3	0	-19.0	-59.4	
	257 Roberts +P	X257P3	117	0.240	Power-Point	2780	2411	2071	1761	1488	1263	2009	1511	1115	806	576	415	-0.1	0	-4.5	-17.2	-41.3	2.6	0	-10.8	-33.0	-70.0
	6.5 Creedmoor	USA65CM	125	0.365	Open Tip	2850	2600	2363	2139	1927	1729	2254	1876	1550	1269	1030	830	-0.2	0	-3.7	-13.6	-31.1	1.8	0	-8.1	-23.8	-48.9
	6.5 Creedmoor	RED65	125	0.365	Open Tip	2850	2600	2363	2139	1927	1729	2254	1876	1550	1269	1030	830	-0.2	0	-3.7	-13.6	-31.1	1.8	0	-8.1	-23.8	-48.9
	6.5 Creedmoor	X651	129	0.445	Power-Point	2820	2613	2415	2226	2045	1873	2277	1955	1670	1419	1198	1005	-0.2	0	-3.6	-13.2	-29.8	1.8	0	-7.8	-22.6	-45.7
	6.5 Creedmoor	X65DS	125	0.540	Deer Season XP	2850	2682	2520	2364	2214	2069	2254	1996	1763	1551	1360	1187	-0.2	0	-3.3	-12.2	-27.3	1.7	0	-7.1	-20.5	-41.0
	6.5 Creedmoor	S65CM	140	0.580	Match BTHP	2710	2556	2407	2263	2123	1989	2283	2030	1800	1591	1401	1230	-0.1	0	-3.8	-13.7	-30.3	1.9	0	-7.9	-22.6	-45.1
	6.5 Creedmoor	S65LR	142	0.719	Accubond LR	2700	2576	2454	2337	2222	2110	2298	2091	1899	1721	1556	1404	-0.1	0	-3.7	-13.3	-29.1	1.9	0	-7.6	-21.7	-42.7
	264 Winchester Mag.	X2642	140	0.384	Power-Point	3030	2782	2548	2326	2114	1914	2854	2406	2018	1682	1389	1139	-0.2	0	-3.0	-11.4	-26.2	1.8	0	-7.2	-20.8	-42.2
	6.5 x 55 Swedish	X6555	140	0.450	Power-Point	2550	2359	2176	2002	1836	1680	2021	1730	1472	1246	1048	877	0.0	0	-4.8	-16.9	-37.7	2.4	0	-9.7	-28.2	-56.9
	6.5 x 55 Swedish	USA6555	140	0.513	Full Metal Jacket	2550	2382	2220	2065	1916	1774	2021	1764	1532	1325	1141	978	0.0	0	-4.6	-16.3	-36.2	2.3	0	-9.4	-26.9	-54.0
œ	270 Winchester	X270DSLF	130	0.418	Deer Season XP Copper Impact	3000	2773	2558	2352	2156	1970	2597	2220	1888	1597	1342	1120	-0.2	0	-3.0	-11.4	-26.0	1.5	0	-6.8	-20.0	-40.6
	270 Winchester	S270LR	150	0.625	Accubond LR	2900	2751	2606	2466	2331	2199	2801	2520	2262	2026	1809	1611	-0.2	0	-3.1	-11.3	-25.3	1.5	0	-6.7	-19.1	-37.9
	270 Winchester	S270CT	140	0.472	AccuBond CT	2950	2751	2560	2378	2203	2035	2705	2352	2038	1757	1508	1287	-0.2	0	-3.1	-11.5	-26.1	1.6	0	-6.9	-19.9	-40.1
	270 Winchester	SBST270	130	0.433	Ballistic Silvertip	3050	2828	2618	2416	2224	2040	2685	2309	1978	1685	1428	1202	-0.2	0	-2.8	-10.8	-24.7	1.4	0	-6.5	-18.9	-38.4
	270 Winchester	X2705BP	130	0.340	Power Max Bonded	3060	2779	2515	2266	2032	1814		2229		1482			-0.2	0	-3.0	-11.5	-26.9	1.5	0	-7.0	-20.8	-42.6
	270 Winchester	X2704BP	150	0.387	Power Max Bonded	2850	2614	2389	2176	1974	1784	2705	2275	1901	1577	1297	1060	-0.2	0	-3.6	-13.3	-30.4	1.8	0	-7.9	-23.2	-47.4
œ	270 Winchester	X270WLF	130	0.360	Power-Core	3060	2794	2544	2307	2082	1871		2254	1868						-3.0	-11.3	-26.2	1.5	0	-6.9	-20.3	-41.8
	270 Winchester	X270DS	130	0.450	Deer Season XP	3060	2848	2642	2447	2261	2082	2702	2338	2015	1729	1475	1252	-0.3	0	-2.7	-10.2	-23.4	1.4	0	-6.4	-18.6	-37.6
	270 Winchester	X2705	130	0.372	Power-Point	3060	2802	2559	2329	2110	1904	2702	2267	1890	1565	1285	1046	-0.2	0	-2.9	-11.2	-25.9	1.8	0	-7.1	-20.6	-42.0
	270 Winchester	X2704	150	0.344	Power-Point	2850	2585	2336	2100	1879	1673	2705	2226	1817	1468	1175	932	-0.2	0	-3.7	-13.8	-31.9	1.9	0	-8.3	-24.4	-50.4
	270 WSM	S270WSMCT	140	0.472	AccuBond CT	3200	2989	2789	2579	2413	2236	3184	2779	2418	2097	1810	1555	-0.3	0	-2.4	-9.3	-21.3	1.2	0	-5.7	-16.5	-33.3
	270 WSM	SBST2705	130	0.432	Ballistic Silvertip	3275	3041	2820	2609	2408	2215			2295						-2.3	-8.9	-20.7	1.1	0	-5.5	-16.1	
	270 WSM	SBST2705A	150	0.496	Ballistic Silvertip	3120	2923	2734	2554		2213			2490						-2.6	-9.8	-22.4	1.3	0	-5.9	-17.2	
	270 WSM	X270SBP	130	0.340	Power Max Bonded	3275	2980	2704	2445	2200	1968	3096	2563	2111	1725	1396	1119	-0.3	0	-2.4	-9.6	-22.7	1.2	0	-6.0	-17.8	-36.8
œ	270 WSM	X270WSMLF	130	0.360	Power-Core	3275	2996	2734	2487	2253	2032			2157						-2.4	-9.4	-22.1	1.2	0	-5.9	-17.4	-35.7
	270 WSM	X270SDS	130	0.450	Deer Season XP	3275	3050	2837	2634	2439	2253	3096	2685	2323	2002	1717	1465	-0.3		-2.2	-8.8	-20.4	1.1	0	-5.4	-15.9	-32.2
	270 WSM	X270WSM	150	0.344	Power-Point	3150	2867	2601	2350	2113	1890	3304	2737	2252	1839	1487	1190	-0.3	0	-2.7	-10.6	-24.9	1.4	0	-6.5	-19.4	-40.1

(LEAD-FREE PROJECTILE

RED TEXT = NEW PRODUCT

24 BALLISTICS CENTERFIRE RIFLE

	1	Cartridge	Symbol	Bullet V (Grs.)		Bullet Type	V Muzzle			Per Seco 300	ond (fps 400	s) 500	Muzzle			Pounds 300	s (ft-lbs.) 400 500			y, Shor 200	t Range 300	e Yards 400			y, Long 300	Range \ 400	
		280 Remington 284 Winchester	SBST280 X2842	140 150	0.485	Ballistic Silvertip Power-Point				2471 2 2145	2297 1933	2130 1734			2187 1872		1640 1410 1244 1001	-0.2 -0.2	0	-2.8	-10.6 -13.5	-24.0 -30.9	1.4 1.8	0	-6.3 -8.0	-18.4 -23.6	-37.0 -48.6
	(F)	7mm-08 Remington 7mm-08 Remington	SBST708 X708BP X708LF	140 140 140	0.454 0.408 0.416	Ballistic Silvertip Power Max Bonded Power-Core	2770 2800	2572 2578	2382 2367	2200 2 2165	2026 1974 1988	1734 1860 1793 1813	2386 2437	2056	1764 1741	1504 1457	1276 1076 1211 999	-0.2 -0.1 -0.1 -0.1				-30.8 -31.1 -30.9	1.0 1.9 1.9 1.9	0 0 0	-8.0 -8.1 -8.0	-23.2 -23.6 -23.4	-46.9 -48.1 -46.6
	Ĭ	7mm-08 Remington	X708DS X708 S7MMWSMCT	140 140 160	0.484 0.360 0.512	Deer Season XP Power-Point AccuBond CT	2800 2800	2612 2549	2432 2312	2159 2 2087	2093 1876 2342	1934 1679 2182	2437 2437	2121 2020	1838 1661	1586 1354	1361 1162 1094 876 1950 1692	-0.2 -0.1 -0.3	0 0 0	-3.6 -3.9 -2.7	-13.1 -14.3 -10.3	-29.4 -32.7 -23.5	1.8 1.9 1.4	0 0 0	-7.7 -8.5 -6.2	-22.2 -24.9	-44.7 -51.3 -36.0
	(F)	7mm WSM 7mm WSM 7mm WSM	SBST7MMS X7MMWSMBP X7MMWSMLF	140 150 140	0.460 0.393 0.416	Ballistic Silvertip Power Max Bonded Power-Core	3200	2948	2710	2484	2414 2270 2337	2233 2066 2140	3410	2894	2438 2446 2365	2055		-0.3 -0.3 -0.3	0 0 0	-2.3 -2.5 -2.4	-9.1 -9.8 -9.4	-21.1 -22.7 -21.8	1.2 1.3 1.2	0 0 0	-5.6 -6.0 -5.8	-16.4 -17.6 -17.0	-33.1 -36.1 -34.5
		7mm WSM 7mm Remington Mag. 7mm Remington Mag.	S7MMCT	150 168 160	0.346 0.652 0.512	Power-Point Accubond LR AccuBond CT	2900 2950	2757 2766	2618 2590	2483 2 2420 2	2157 2353 2257	1933 2226 2099	3137 3091	2835 2718	2335 2556 2382	2300 2080	1809 1566	-0.3 -0.2 -0.2	0 0 0	-2.6 -3.1 -3.0	-10.2 -11.2 -11.3	-23.8 -25.0 -25.5	1.3 1.5 1.5	0 0 0	-6.3 -6.6 -6.7	-18.6 -18.9 -19.4	-38.5 -37.4 -38.9
	œ	7mm Remington Mag. 7mm Remington Mag. 7mm Remington Mag.	X7MMR1BP X7MMRMLF	150 150 140	0.493 0.393 0.416	Ballistic Silvertip Power Max Bonded Power-Core	3090 3100	2844 2867	2612 2646	2391 : 2435 :	2359 2181 2234	2192 1981 2043	3180 2987	2694 2555	2272 2176	1904 1843	185316001584130715521297	-0.3 -0.3 -0.3	0	-2.7	-10.5	-22.8 -24.7 -24.0	1.3 1.4 1.4	0 0 0	-6.0 -6.5 -6.3	-18.6	-35.1 -39.1 -37.8
		7mm Remington Mag. 7mm Remington Mag. 7mm Remington Mag. 7mm Mauser (7 x 57)	X7MMR2 X7MMR1	140 175 150 145	0.484 0.426 0.373 0.355	Deer Season XP Power-Point Power-Point Power-Point	2860 3090	2644 2831	2439 2587	2243 2 2356 2	2346 2055 2136 1754	2177 1878 1929 1565		2670	2311	1954 1848	1641 1370	-0.3 -0.2 -0.3 -0.1	0 0 0	-2.6 -3.5 -2.8 -4.5	-10.0 -12.8 -10.9 -16.3	-22.9 -29.1 -25.2 -37.2	1.3 1.7 1.4	0 0 0 0	-6.1 -7.6 -6.6 -9.6	-17.6 -22.1 -19.5 -28.3	-35.5 -44.9 -40.1 -58.3
		7.62 x 39mm 7.62 x 39mm 7.62 x 39mm	S76239PDB X76239• Q3174	120 123 123	0.248 0.244 0.245	PDX1 Defender Power-Point Full Metal Jacket	2365 2365	2039 2033	1741 1731	1479 1465	1262 1248 1247	1104 1093 1093	1490 1527 1515	1108 1129 1121	808 818	583 586 584	424 325 425 327 425 326	0.2 0.2 0.2	0 0 0	-6.9 -7.0 -7.0	-25.4 -25.7 -25.9	-60.0 -60.7 -61.1	2.2 3.5 3.8 3.8	0 0 0	-15.0 -15.4 -15.6	-46.1	-99.1
		7.62 x 39mm 30 Carbine 30 Carbine	X76239DS X30M1• Q3132	123 110 110	0.240 0.304 0.166 0.180	Deer Season XP Hollow Soft Point Full Metal Jacket	2380 1990	2112 1567	1862 1236	1633 1035	1429 923 952	1257 842 870	1547 967 967	1218 599 622	947 373	728 262 280	557 431 208 173 221 185	0.2 0.2 0.9 0.9	0 0	-6.3 -13.5 -13.0	-22.8 -49.9 -47.4	-52.3	3.2 6.5 6.5	0 0 0	-14.0 -29.3 -27.9		-83.3
		300 Blackout 300 Blackout 300 Blackout	X300BLKX++ SUP300BLK ++ USA300BLKX ++	200 200 200	0.306 0.435 0.435	Super-X Subsonic Open Tip Open Tip	1060 1060	987 1006	930 962 962				499 499 499	432 450 450	384 411 411			0.0 0.0	-5.6 -5.4 -5.4	-43.9 -42.1		-					-
		300 Blackout 300 Blackout 300 Blackout	USA300BLK ++ RED300 ++ X300BLKDS++	125 125 150	0.267 0.267 0.392	Open Tip <mark>Open Tip</mark> Deer Season XP	2185 2185	1895 1895	1632 1632 1548			-	1325 <mark>1325</mark> 1202	997 997 982	739 739 798	-		-0.4 - <mark>0.4</mark> 1.1	0 0 0	-7.0 -7.0 -9.0	-	3	-	-	-	-	1
		30-30 Winchester 30-30 Winchester	SBST3030 X30306BP	150 150	0.232 0.224	Ballistic Silvertip Power Max Bonded					1225 1198	1072 1052	1902 1902	1386 1370	989 965	697 672	499 383 478 368	0.4 0.4	0 0	-7.5 -7.6	-27.0 -27.4	-63.0 -64.6	3.8 3.8	0 0	-15.6 -16.0	-47.9 -49.3	
	(F)	30-30 Winchester 30-30 Winchester 30-30 Winchester	X30303BP X3030DS X3030WLF	170 150 150	0.247 0.215 0.237	Power Max Bonded Deer Season XP Power-Core	2390	2014	1677	1389	1173 1168 1241	1046 1029 1085	1827 1902 1902	1343 1351 1396	936	700 642 713	519 413455 353513 392	0.6 0.2 0.4	0 0 0	-9.0 -7.2 -7.5	-31.5 -26.9 -26.6	-73.0 -64.7 -62.1	4.5 3.6 3.7	0 0 0	-18.1 -16.1 -15.4	-55.1 -50.4 -47.2	-
		30-30 Winchester 30-30 Winchester 30-30 Winchester	X30301 X30306 X30303	150 150 170	0.218 0.218 0.241	Hollow Point Power-Point Power-Point	2390	2019	1685	1398	1178 1178 1158	1036 1036 1034	1902 1902 1827	1357 1357 1332	945	651 651 683	462 357462 357506 404	0.5 0.5 0.6	0 0 0	-7.7 -7.7 -9.0	-27.9 -27.9 -32.0	-65.9 -65.9 -74.2	3.6 3.6 4.2	0 0 0	-16.0 -16.0 -18.1	-49.9 -49.9 -55.5	-
1	œ	30-06 Springfield 30-06 Springfield 30-06 Springfield	S3006DSLF S3006LR S3006CT	150 190 180	0.387 0.640 0.509	Deer Season XP Copper Impac Accubond LR AccuBond CT	2750 2750	2609 2573	2472 2403	2339 2239	2031 2211 2082	1837 2086 1931	3190 3022	2646	2578 2308	2309 2004		-0.2 -0.1 -0.1	0 0 0	-3.4 -3.6 -3.8	-12.5 -12.9 -13.5	-28.6 -28.6 -30.3	1.7 1.8 1.9	0 0 0	-7.5 -7.5 -7.9	-21.3 -22.8	-44.8 -42.3 -45.6
		30-06 Springfield 30-06 Springfield 30-06 Springfield	SBST3006 SBST3006A SBST3006B	150 168 180	0.435 0.475 0.507	Ballistic Silvertip Ballistic Silvertip Ballistic Silvertip	2790 2750	2599 2572	2416 2402	2240 2 2237 2	2103 2072 2080	1926 1911 1928	2903 3022	2520 2644	2177 2305	1872 2001	1728 1486	-0.2 -0.2 -0.1	0 0 0		-12.3 -13.3 -13.6	-27.9 -29.8 -30.3	1.7 1.8 1.9	0 0 0	-7.3 -7.8 -7.9	-22.5 -22.8	-43.0 -45.2 -45.7
	œ	30-06 Springfield 30-06 Springfield 30-06 Springfield 30-06 Springfield	X30061BP X30064BP X3006LF X2004DS	150 180 150	0.325 0.394 0.344	Power Max Bonded Power Max Bonded Power-Core	2700 2920	2475 2651	2262 2397	2058 2158	1882 1866 1932 2041	1664 1687 1722 1849	2913 2839	2448 2340	2044 1914	1693 1550	1179 922 1392 1137 1243 988 1297 1129	-0.2 -0.1 -0.2	0 0	-4.2 -3.5	-15.2 -13.0	-30.8 -34.4 -30.0 -28.5	1.8 2.1 1.7 1.7	0 0 0	-8.0 -8.9 -7.8 -7.4		-49.4 -53.2 -47.8
		30-06 Springfield 30-06 Springfield 30-06 Springfield	X3006DS X30062 X30061 X30065		0.392 0.268 0.294 0.341	Deer Season XP Pointed Soft Point Power-Point Power-Point	3140 2920	2780		2138 2041	1853	1595 1558 1627	2736 2839	2145 2263	1662 1783	1269 1387	1387113895370610648081228970	-0.2 -0.3 -0.2 -0.1	0 0	-3.0 -3.6	-11.9 -13.8	-28.4	1.7 1.8 1.8 2.0	0 0 0	-7.7	-23.0 -25.1 -25.6	-48.5 -52.8
		30-06 Springfield 30-06 Springfield 30-40 Krag	X30064 USA3006 X30401	180 147 180	0.381 0.421 0.394	Power-Point Full Metal Jacket Power-Point	2700 3020	2468 2794	2247	2038 2374	1840 2178	1657 1992 1489	2913	2433 2548	2018 2171	1659 1839	1354 1097 1549 1295 1089 886	-0.1	0 0	-4.2 -3.0	-15.4 -11.2	-34.9	2.1 1.5 2.8	0 0 0	-9.0 -6.7	-26.4 -19.6 -33.2	-54.2 -39.9
		300 WSM 300 WSM 300 WSM	S300SLR S300WSMCT SBST300S	190 180 150	0.640 0.509 0.424	Accubond LR AccuBond CT Ballistic Silvertip	3010 3300	2822 3061	2643 2834		2304 2414	2193 2144 2218	3622	3185	2792	2439	2273 2029 2121 1837 1941 1638	-0.2 -0.2 -0.3	0 0	-2.9 -2.2			1.6 1.4 1.1	0 0 0	-6.4	-19.3 -18.5 -15.9	-37.2
		300 WSM 300 WSM	SBST300SA X300SBP	180 150	0.507	Ballistic Silvertip Power Max Bonded	3270	2962		2406	2152	2141 1914	3561	2922	2384	1927	2116 1832 1542 1220	-0.2 -0.3	0	-2.5	-9.8	-24.3 -23.2	1.4 1.2	0	-6.1	-18.6 -18.3	-37.9
	œ	300 WSM 300 WSM 300 WSM 300 WSM	X300WSMBP X300WSMLF X300SDS X300WSM1	180 150 150 150	0.394 0.344 0.392 0.294	Power Max Bonded Power-Core Deer Season XP Power-Point	3270 3260 3270	2979 3004 2931	2706 2762 2617	2290 2 2449 2 2534 2 2324 2	2207 2316 2050	1796	3561 3539 3561	2955 3005 2861	2439 2541 2281	1998 2138 1798	17381430162213031786148113991074	-0.3 -0.3 -0.3	0 0 0	-2.4 -2.4 -2.6	-10.2	-22.6 -21.6 -24.4	1.6 1.2 1.2 1.3	0 0 0 0	-6.0 -5.7 -6.4	-20.9 -17.8 -16.9 -19.2	-36.7 -34.6 -40.4
		300 WSM	X300WSM	180	0.438	Power-Point	2970	2/55	2549	2353	2166	1481	3526	3034	2548	2214	1827 1578	-0.2	U	-3.1	-11.5	-26.3	1.5	0	-6.9	-20.1	-40.7

Ballistic Coefficient (BC): The "Ballistic Coefficient" or B.C. of a projectile (bullet) is a measure of its efficiency in flight or how well it is able to overcome air resistance. The higher the ballistic coefficient, the less velocity a bullet will lose over distance — resulting in less drop at longer ranges and more energy on target. So, for long range hunting or target shooting, the higher the B.C. the better.

RED TEXT = NEW PRODUCT

++ Ballistic information for this symbol is based upon modern sporting rifle (AR platform) equipped with a 16" barrel and a 2.8" sight height.

 Indicates ballistic data generated from 20" barrel length. All other ballistic data generated from 24" barrel length.

** Intended for use in fast twist barrels (e.g., 1 in 7 to 1 in 9).

EAD-FREE PROJECTILE

Slower twist barrels may not sufficiently stabilize bullet.

Also acceptable for use in pistols and revolvers.

25

			Bullet W	t		,	/elocity	in Feet	Per Seco	ond (fps)		E	nerav i	n Foot F	Pounds	(ft-lbs.)		Traier	tory	Short	Range	Vards	Trai	ectory	, Long	Sande	Vards
	Cartridge	Symbol	(Grs.)		Bullet Type	Muzzle			300	400	500	Muzzle								200		400			300		
			1	1	(124) A																						
æ	300 Winchester Mag.		150		Deer Season XP Copper Impact		3001		2525		2096					1769				-2.4		-21.7	1.2	0			-34.8
		S300LR	190 180	0.640	Accubond LR AccuBond CT	2900 2950	2754 2765	2613 2588	2476 2417	2343 2253	2214 2095					2316 2 2028		-0.2 -0.2		-3.1 -3.0	-11.3	-25.1 -25.5	1.5 1.5	0	-6.6 -6.7	-18.9 -19.4	
	300 Winchester Mag. 300 Winchester Mag.		180	0.507	Ballistic Silvertip	2950	2765	2586		2255	2095					2028		-0.2		-3.0	-11.3		1.5	0	-6.7	-19.4	
	300 Winchester Mag.		150	0.307	Power Max Bonded	3290	2981	2693	2415	2168	1929					1565		-0.2		-2.4	-9.7	-22.9	1.3	0	-6.0	-17.4	
	300 Winchester Mag.		180	0.323	Power Max Bonded	2960	2722	2496	2281	2077	1884		2961			1724		-0.2		-3.2	-12.0	-27.5	1.6	0	-7.2	-21.1	
æ	300 Winchester Mag	X300WMLF	150	0.344	Power-Core	3260	2969	2697	2441	2199	1971			2423				-0.3		-2.5	-9.7	-22.8	1.2	0	-6.0	-17.9	
Č		X300DS	150	0.392	Deer Season XP	3260	3004	2762	2534	2316	2109			2541				-0.3		-2.4	-9.3	-21.6	1.2	0	-5.7	-16.9	
	300 Winchester Mag.		150	0.294	Power-Point	3290	2950	2634	2340	2065	1813		2898	2311	1824			-0.3		-2.5		-24.0	1.3	0	-6.3	-19.0	
	300 Winchester Mag.	X30WM2	180	0.438	Power-Point	2960	2745	2540	2344	2157	1979	3501	3011	2578	2196	1859	1565	-0.2	0	-3.1	-11.6	-26.5	1.6	0	-7.0	-20.3	3 -41.0
	300 Savage	X3001	150	0.294	Power-Point	2630	2336	2061	1810	1575	1372	2303	1817	1415	1091	826	627	0.0	0	-4.9	-17.3	-41.9	2.5	0	-10.0	-32.1	-67.6
	303 British	X303B1	180	0.369	Power-Point	2460	2233	2018	1817	1629	1459	2418	1993	1628	1320	1060	851	0.0	0	-5.5	-19.3	-44.2	2.7	0	-11.0	-33.2	2 -68.3
	307 Winchester	X3076	180	0.253	Power-Point	2510	2179	1874	1599	1363	1177	2518	1897	1403	1022	742	554	0.0	0	-5.9	-21.8	-51.3	2.9	0	-12.9	-39.6	-85.1
	308 Winchester	S308PDB++	120	0.256	Defender	2850	2497	2171	-	-	-	2164	1662	1256	-	-		-0.8	0	-2.8	-	-	-	-	-	-	
	308 Winchester	SBST308	150	0.435	Ballistic Silvertip	2810	2601	2401	2211	2028	1856	2629	2253	1920	1627	1370	1147	-0.2	0	-3.6	-13.3	-30.2	1.8	0	-7.8	-22.8	3 -46.2
	308 Winchester	SBST308A	168	0.474	Ballistic Silvertip	2670	2484	2306	2134	1971	1815		2301		1699	1449	1229	-0.1	0	-4.1	-14.8	-33.2	2.1	0	-8.6	-24.8	
	308 Winchester	S308M	168	0.453	Match BTHP	2680	2485	2297	2118	1948	1786				1674	1415		-0.1		-4.1	-14.9	-33.4	2.1	0	-8.7	-25.1	
	308 Winchester	X3085BP	150	0.325	Power Max Bonded	2820	2542	2280	2034	1808	1594			1731				-0.1		-3.9		-32.9	2.0	0	-8.7	-25.1	
0	308 Winchester	X3086BP	180	0.394	Power Max Bonded	2620	2399	2189	1990	1803	1627		2300			1300		-0.1		-4.6	-16.4	-36.6	2.3	0	-9.6	-27.5	
(lg) (lg)	308 Winchester	X308LF	150	0.344	Power-Core	2820	2557	2308	2074	1854	1650		2177					-0.1		-3.8	-14.2	-32.7	1.9	0	-8.5	-25.1	
4	308 Winchester	X308DSLF	150	0.387	Deer Season XP Copper Impact		2576	2353	2142	1942	1754		2209			1255		-0.2		-3.8		-31.5	1.9	0	-8.2	-23.9	
	308 Winchester 308 Winchester	X308DS	150	0.392	Deer Season XP	2820	2588 996	2368 945	2158	1960	1773	2648 419	2231 370	1867 333	-	1279		-0.2		-3.7 -46.8	-13.6	-31.0	1.9	0	-8.1	-23.6	-48.3
	308 Winchester	SUP308 RED308	168 168	0.357	Open Tip <mark>Open Tip</mark>	1060 2680	2412	2159	1922	1702	1504		2169		1378	1082		-0.0		-40.0	-16.5	-37.9	2.3	0.0	-9.7	-28.9	-60.2
	308 Winchester	X308SUBX	185	0.283	Super-X Subsonic	1060	982	922	-	- 1703	-	461	396	349		1002				-48.2	-10.5	-37.7	2.3	0.0	-7.7	-20.7	-00.2
	308 Winchester	X3085	150	0.294	Power-Point	2820	2513	2227	1960	1713	1492		2104		1279	977		-0.1		-4.0	-15.1	-35.3	2.0	0	-9.1	-27.2	-57.3
	308 Winchester	X3086	180	0.382	Power-Point	2620	2392	2176	1971	1779	1600		2287	1892				-0.1		-4.6	-16.6	-37.5	2.3	0	-9.7	-28.3	
	308 Winchester	USA3081	147	0.415	Full Metal Jacket	2800	2582	2374	2176	1987	1812		2176			1289		-0.1		-3.7		-30.9	1.9	0	-8.0		-46.6
	7.62 x 51mm NATO	Q3130	147	0.415	Full Metal Jacket	2750	2534	2329	2132	1946	1770					1236		0.2		-4.5	-15.5		2.0	0			
	7.62 x 54R	MC76254R	180	0.486	Full Metal Jacket	2580	2401	2230	2066	1909	1760	2658	2304	1987	1706	1457	1238	0.0	0	-4.5	-16.1	-35.8	2.6	0	-9.6	-27.3	-54.6
	7.62 x 54R	MC54RSP	180	0.267	Soft Point	2625	2302	2003	1729	1485	1281	2751	2117	1603	1195	882	655	0.0	0	-5.1	-18.9	-44.5	2.9	0	-11.6	-34.9	-74.1
	32 Winchester Specia	l X32WS2	170	0.205	Power-Point	2250	1870	1537	1266	1081	971	1911	1320	891	605	441	356	0.6	0	-9.2	-33.3	-79.1	4.3	0	-19.2	-60.2	2 –
	32-20 Winchester	X32201	100	0.166	Lead	1210	1021	914	835	769	712	325	232	185	155	131	113	3.1	0	-32.3	-	-	15.9	0	-57.5	-	-
	8mm Mauser (8 x 57)	X8MM	170	0.205	Power-Point	2360	1970	1623	1333	1123	997	2102	1464	994	671	476	375	0.2	0	-7.6	-28.5	-69.2	3.8	0	-17.2	-54.1	-
	325 WSM	S325WSMCT	200	0.477	AccuBond CT	2950	2753	2565	2384	2210	2044	3866	3367	2922	2524	2170	1856	-0.2	0	-3.1	-11.5	-26.0	1.5	0	-6.8	-19.8	-39.9
	325 WSM	X325WSMBP	220	0.403	Power Max Bonded	2840	2613	2398	2192	1997	1815			2808				-0.2		-3.6	-13.3		1.8	0	-7.9	-23.0	
	325 WSM	X325WSM	220	0.388	Power-Point	2840	2605	2382	2169	1968	1779			2772				-0.2		-3.6	-13.4	-30.6	1.8	0	-8.0	-23.3	
	338 Winchester Mag.		225	0.548	AccuBond CT	2800	2634	2474	2319	2170	2026					2353		-0.2		-3.5		-28.4	1.8	0	-7.4		-42.6
	338 Winchester Mag		200	0.323	Power Max Bonded	2960	2671		2146	1907	1686			2559				-0.2		-3.4	-12.8		1.7	0	-7.8	-23.1	
		X3381	200	0.308	Power-Point	2960	2658	2375	2110	1862	1635					1539				-3.4		-30.6	2.0	0	-8.2		3 -50.4
	338 Lapua Magnum 338 Lapua Magnum	S338LCT S338LM	300	0.720 0.587	Accubond CT Match BTHP	2650 2900	2527 2741	2407 2588	2291 2439	2178 2296	2067 2157					3158 2925		-0.1 -0.2		-3.9 -3.1		-30.5 -25.6	2.0	0	-8.0 -6.8	-22.6 -19.4	
	348 Winchester	X3484	250 200	0.387	Power-Point	2520	2179	1866	1585	1346	1161		2109	1546				0.0		-5.9	-21.8	-20.8	1.6 2.9	0	-13.0		
	35 Remington	X35R1	200	0.240	Power-Point	2020	1646	1335	1114	985	901		1203	791	551			0.0		-12.1	-43.9	- 51.0	5.8	0	-25.4		
	350 Legend	USA3501•	145	0.173	Full Metal Jacket	2350	1916	1535	1241	-	-		1182	763	496	431		-1.5		-8.1	-43.7	-	5.0	_		-	24
	350 Legend	X350DS•	140	0.223	Deer Season XP	2325	1968	1647	1373	_	_		1289	903	628	12		-1.5		-7.6	-28.1	-		-	_	_	1.1
	350 Legend	SUP350•	265	0.325	Super Suppressed	1060	990	936	890	12	_	661	577	515	466	1		-1.5			-107.4	_	_	-	_	1	
	350 Legend	X3501BP•	160	0.202	Power Max Bonded	2225		1509	1243	1	1		1206	809	548	_					-33.2		1.1		-	_	1.1
	350 Legend	X3501•	180	0.221	Power-Point	2100		1466	1230	-	-		1240		604	-					-36.0	-	-	-	-	-	100
	356 Winchester	X3561	200	0.238	Power-Point	2460	2114	1797	1517	1284	1113					732	550	0.4	0	-7.0	-24.8	-57.9	3.2	0	-14.1	-43.4	-93.9
	357 Magnum #	X3574P•	158	0.163	Jacketed H. P.	1830	1427	1138	980	883	809	1175	715	454	337	274		1.2			-59.6	- 11	7.9	0	-34.7		-
	357 Magnum #	X3575P•	158	0.163	Jacketed Soft Point	1830	1427	1138	980	883	809	1175	715	454	337			1.2			-59.6	-	7.9	0	-34.7		
	358 Winchester	X3582	200	0.195	Power Point	2490	2068	1691	1374	1141	1002			1270	838			0.1			-25.8	-63.5	3.4	0		-50.0) –
	375 Winchester	X375W	200	0.214	Power Point	2200	1841	1526		1089	980			1034				0.6			-34.1		4.4	0		-60.8	
	38-40 Winchester	X3840	180	0.172	Power-Point	1160	999	901	827	764	710	538	399	324	273	233	201	3.4	0	-33.8	-	-	16.6	0	-59.4	-	-
	38-55 Winchester	X3855	255	0.354	Power-Point	1320	1190	1091	1018	963	917	987	802	674	587	525	476	2.3	0	-23.7	-76.5	-	11.5	0	-40.7	-	-
	41 Remington Mag. #	S41PTHP•	240	0.195	Platinum Tip	1830	1488	1219	1047	945	870	1784	1179	792	584	475	403	1.1	0	-15.0	-53.5	-	7.2	0	-30.7	-92.9	- (
	44 Rem Mag. #	S44PTHP•	250	0.188	Platinum Tip	1830	1475	1202	1032	931	857	1859	1208	801	592	481	408	1.2	0	-15.4	-55.1	-	7.3	0		-95.4	- 4
	44 Rem Mag. #	X44MHSP2	240	0.158	Hollow Soft Point	1760	1362	1094	953	861	789	1650	988	638	484	395	332	1.4	0	-18.1	-65.0	-	8.7	0	-37.6		-
	44-40 Winchester	X4440	200	0.161	Power-Point	1190	1006	900	822	756	699	629	449		300			3.2		-33.2	-	-	16.3	0	-59.2		
	45-70 Government	SBST4570	300	0.191	Ballistic Silvertip	1880	1523	1240	1056	949	872					599					-50.1	-	6.8	0		-90.1	-
	45-70 Government	S4570DB	375	0.267	Dual Bond	1500	1292	1135	1029	-	-					-		1.8			-66.9	-	10.0	0	-37.0		-
	45-70 Government	X4570H	300	0.283	Jacketed H. P.	1880	1650	1425		1105	1010					810		1.0			-42.0	-	5.8	0	-23.3		-
					Lead Flat Nose	1150	1043	968	910	862	819	1100	070	843	745	668	603	3.2	0	-31.0	000	-	15.5	0	-52.4	-	-
	45-70 Government 450 Bushmaster	X4570CB X450DS	405 250	0.280 0.210	Deer Season XP	1150 2200	1834		1254	- 002	-	1189 2686	978	1272		-					-33.3	-	4.5	0	-19.8		

CENTERFIRE HANDGUN

rom first-time shooters to the most experienced, millions of people each year participate in the shooting sports with a handgun. Winchester offers the most comprehensive line of ammunition for centerfire handguns in the industry, from high-quality and affordable products for recreational and competitive shooting at the range, to the most innovative ammunition built specifically for hunting or personal defense situations.

The Defender 10mm adds yet another lethal offering to Winchester's most comprehensive line of personal defense ammunition >



		Bullet Wt.			Velo	city (fps); Ya	ards	Energ	gy (ft-lbs.);	Yards	Barrel Length
Cartridge	Symbol	(Grs.)	Туре	User Guide	Muzzle	5	25	Muzzle	5	25	Inches
25 Automatic	X25AXP	45	Expanding Point	PP	815	806	770	66	65	59	2
25 Automatic	Q4203	50	Full Metal Jacket	Т	760	754	733	64	63	60	2
32 Smith & Wesson	32BL2P	Blk. Pwd.	Blank		_	-	-	-	-	-	15 11 - 16 I
32 Smith & Wesson	X32SWP	85	Lead-Round Nose	т	680	676	662	87	86	83	3
32 Smith & Wesson Long	X32SWLP	98	Lead-Round Nose	T	705	701	687	108	107	103	4
32 Short Colt	X32SCP	80	Lead-Round Nose	T	745	736	702	99	96	88	4
32 Automatic	X32ASHP	60	Silvertip HP	PP	970	962	930	125	123	115	4
32 Automatic	Q4255	71	Full Metal Jacket	Т	905	900	879	129	128	122	4
380 Automatic	S380PDB	95	Defender	PP	1000	991	960	211	207	194	33/4
380 Automatic	W380D	95	W Defend	PP	950	943	916	190	187	177	33/4
380 Automatic	W380T	95	W Train	Т	950	943	916	190	187	177	33/4
380 Automatic	X380ASHP	85	Silvertip HP	PP	1000	991	958	189	185	173	33/4
380 Automatic	WC3801	95	WinClean (BEB)	Т	955	947	916	192	189	175	33/4
380 Automatic	USA380JHP	95	Jacketed Hollow Point	PP	955	948	921	192	189	179	33/4
380 Automatic	Q4206	95	Full Metal Jacket Flat Nose	T	955	945	907	192	188	173	33/4
380 Automatic (100 VP)	USA380VP	95	Full Metal Jacket Flat Nose	T	955	945	907	192	188	173	33/4
380 Automatic (200 RP)	USA380WP USA380W	95 95	Full Metal Jacket Flat Nose	T	955	945 945	907	192	188	173	3%
	W38SPLD	95 130	W Defend	PP	900	940	907	247	244	234	5%4 4V
38 Special			W Train	PP T	925	920		247	244	234	
38 Special	W38SPLT	130		PP			900				4V
38 Special	X38S9HP	110	Silvertip HP		945	939	918	218	216	206	4V
38 Special	X38SMRP	148	Lead-Wad Cutter	T	710	702	671	166	162	148	4V
38 Special	X38S1P	158	Lead-Round Nose	Т	755	752	739	200	198	191	4V
38 Special	X38WCPSV	158	Lead-Semi WC	Т	755	751	738	200	198	191	4V
38 Special	SC38NT	110	Jacketed Flat Point	Т	975	967	938	232	228	215	4V
38 Special	USA38CB	158	Lead	Т	800	796	780	224	222	213	4V
38 Special	WC381	125	WinClean (BEB)	Т	775	772	758	167	165	160	4V
38 Special	USA38SP	125	Jacketed Flat Point	Т	850	845	826	201	198	189	4V
38 Special	Q4171	130	Full Metal Jacket	Т	800	796	782	185	183	177	4V
38 Special	USA38SPVP	130	Full Metal Jacket	Т	800	796	782	185	183	177	4V
38 Special	Q4196	150	Lead Round Nose	Т	845	842	828	238	236	228	4V
38 Special	38SBLP	Smokeless	Blank		-	-		-	-		
38 Special +P	S38PDB	130	Defender	PP	950	946	928	260	258	249	4V
38 Special +P	X38S7PH	125	Jacketed Hollow Point	PP	945	940	921	248	245	235	4V
38 Special +P	X38S8HP	125	Silvertip HP	PP	945	940	921	248	245	235	4V
38 Special +P	X38SPD	158	Lead-Semi WC HP	PP	890	886	872	278	276	267	4V
38 Special +P	USA38JHP	125	Jacketed Hollow Point	PP	945	940	921	248	245	235	4V
38 Smith & Wesson	X38SWP	145	Lead-Round Nose	Т	685	682	668	151	150	144	4
38 Super Automatic +P	Q4205	130	Full Metal Jacket	Т	1215	1202	1152	426	417	383	5
38 Super Automatic +P	X38ASHP	125	Silvertip HP	T/PP	1240	1228	1181	427	419	387	5
7.62 X 25 Tokarev	MC762TOK	85	Full Metal Jacket	Т	1645	1608	1467	511	488	406	43/4

(LEAD-FREE PROJECTILE

RED TEXT = NEW PRODUCT

H = Hunting RR = Reduced Recoil PP = Personal Protection T = Target

THE CENTERFIRE HANDGUN CARTRIDGE

Winchester offers a complete line of centerfire handgun cartridges that can fit any need from target shooting, personal defense and hunting. These scenarios call for quality, consistency and performance when absolutely necessary. This mantra is epitomized in our Defender line of handgun ammunition.

THE POWDER -

A proprietary mix of ball propellant that is clean burning and flash suppressed for when necessary in low light conditions.

THE PRIMER

Quality components and priming mix to initiate consistent ignition, giving shooters the peace of mind and confidence to take the shot.



BONDED BULLET

A modern take on bullet design, bullet core and jacket are welded together in a proprietary bonding process. This yields higher weight retention and performance.

			Bullet Wt.			Velo	city (fps); Ya	irds	Ener	gy (ft-lbs.);	Yards	Barrel Length
	Cartridge	Symbol	(Grs.)	Туре	User Guide	Muzzle	5	25	Muzzle	5	25	Inches
_	0. 11.1	NCOLON	05			1015	1005	071	017	010	100	,
	9mm Makarov	MC918M S9MMPDB	95	Full Metal Jacket	T PP	1015	1005 1188	971 1143	217	213 389	199	4
	9mm Luger +P		124	Defender		1200			396		360	
	9mm Luger	S9MMPDB1	147	Defender	PP PP	1000	995	976 928	326	323	311	4
	9mm Luger	W9MMD	147	W Defend		950	946	928	295	292	281	4
	9mm Luger	W9MMT	147	W Train	T	950	946		295	292	281	
	9mm Luger	X9MMSHP	115	Silvertip HP	PP	1225	1210	1154	383	374	340	4
	9mm Luger	X9MMST147	147	Silvertip HP	PP	1010	1005	985	333	329	316	4
	9mm Luger	WC91	115	WinClean (BEB)	T	1190	1178	1135	362	354	329	4
	9mm Luger	WC92	124	WinClean (BEB)	Т	1130	1121	1086	352	346	325	4
~	9mm Luger	WC93	147	WinClean (BEB)	T	990	985	967	320	317	305	4
œ	9mm Luger	W9MMLF	90	Super Clean (ZFMJ)	Т	1325	1300	1215	351	339	296	4
	9mm Luger	SUP9	147	Super Suppressed	Т	990	985	967	320	317	305	4
	9mm Luger	RED9	115	USA Ready	Т	1190	1175	1122	362	353	321	4
	9mm Luger	USA9JHP	115	Jacketed Hollow Point	PP	1225	1210	1154	383	374	340	4
	9mm Luger	USA9JHP2	147	Jacketed Hollow Point	PP	990	985	967	320	317	305	4
	9mm Luger	WIN9SV	115	USA Forged	Т	1190	1176	1125	362	353	323	4
	9mm Luger	WIN9S	115	USA Forged	Т	1190	1176	1125	362	353	323	4
	9mm Luger	Q4172	115	Full Metal Jacket	Т	1190	1176	1125	362	353	323	4
	9mm Luger (100 VP)	USA9MMVP	115	Full Metal Jacket	Т	1190	1176	1125	362	353	323	4
	9mm Luger (200 RP)	USA9W	115	Full Metal Jacket	Т	1190	1176	1125	362	353	323	4
	9mm Luger	USA9MM	124	Full Metal Jacket	Т	1140	1130	1091	358	351	328	4
	9mm Luger	USA9MM1	147	Full Metal Jacket-Flat Nose	Т	990	985	967	320	317	305	4
	9mm NATO	Q4318	124	Full Metal Jacket	Т	1200	1188	1142	396	388	359	4
	9 X 23 Winchester	Q4304	124	Jacketed Flat Point	Т	1480	1444	1381	587	574	525	5
	9 X 23 Winchester	X923W	125	Silvertip HP	T/PP	1450	1428	1344	583	566	501	5
	357 Magnum	S357MPDB	125	Defender	PP	1325	1305	1232	487	473	421	4V
	357 Magnum	X3576P	125	Jacketed Hollow Point	PP	1450	1427	1338	583	565	497	4V
	357 Magnum	X357SHP	145	Silvertip HP	PP	1290	1275	1219	536	523	478	4V
	357 Magnum	WC3571	125	WinClean (BEB)	Т	1370	1349	1269	521	505	447	4V
	357 Magnum	Q4204	110	Jacketed Hollow Point	PP	1295	1271	1183	410	394	342	4V
	357 SIG	S357SPDB	125	Defender	PP	1350	1332	1262	506	492	442	4
	357 SIG	WC357SIG	125	Brass Enclosed Base	т	1350	1331	1261	506	492	441	4
	357 SIG	USA357SJHP	125	Jacketed Hollow Point	PP	1350	1331	1262	506	492	442	4
	357 SIG	Q4309	125	Full Metal Jacket-Flat Nose	Т	1350	1331	1262	506	492	442	4
	40 Smith & Wesson	S40SWPDB	165	Defender	PP	1140	1129	1091	476	467	436	4
	40 Smith & Wesson	W40SWD	180	W Defend	PP	925	921	904	342	339	326	4
	40 Smith & Wesson	W40SWT	180	W Train	т	925	921	904	342	339	326	4
	40 Smith & Wesson	X40SWSTHP	155	Silvertip HP	PP	1205	1192	1146	500	489	452	4
	40 Smith & Wesson	RED40	165	USA Ready	т	1205	1053	1025	412	407	385	4
	40 Smith & Wesson	WC401	165	WinClean (BEB)	т	1130	1121	1025	412	400	435	4
	40 Smith & Wesson	WC401 WC402	180	WinClean (BEB)	T	990	985	965	392	388	372	4
(lj	40 Smith & Wesson				T		1230	1165	416	388 404		4
4		W40SWLF	120	Super Clean (ZFMJ)		1250					362	
	40 Smith & Wesson	USA40SW	165	Full Metal Jacket-Flat Nose	Т	1060	1053	1029	412	407	388	4

(1) LEAD-FREE PROJECTILE

H = Hunting RR = Reduced Recoil PP = Personal Protection T = Target

28 BALLISTICS CENTERFIRE HANDGUN

			Bullet Wt.			Velo	city (fps); Ya	irds	Energ	y (ft-lbs.);	Yards	Barrel Lengt
	Cartridge	Symbol	(Grs.)	Туре	User Guide	Muzzle	5	25	Muzzle	5	25	Inches
	40 Smith & Wesson (100 VP)	USA40SWVP	165	Full Metal Jacket-Flat Nose	т	1060	1053	1029	412	407	388	4
	40 Smith & Wesson (200 RP)	USA40W	165	Full Metal Jacket-Flat Nose	Т	1060	1053	1029	412	407	388	4
	40 Smith & Wesson	USA40JHP	180	Jacketed Hollow Point	PP	1010	1004	980	408	403	384	4
	40 Smith & Wesson	Q4238	180	Full Metal Jacket	т	1020	1014	993	416	411	394	4
	10mm Automatic	X10MMSTHP	175	Silvertip HP	PP	1200	1185	1130	559	546	496	51/2
	10mm Automatic	USA10MM	180	Full Metal Jacket	Т	1080	1073	1045	466	460	437	51/2
	10mm Automatic	S10MMPDB	180	Defender	PP	1240	1255	1170	614	600	547	51/2
	44-40 Winchester	USA4440CB	180	Lead	Т	750	747	736	281	279	271	4V
	44 Smith & Wesson Spl	USA44CB	240	Lead	Т	750	747	734	300	297	287	4V
	44 Smith & Wesson Spl	X44STHPS2	200	Silvertip HP	PP	900	896	879	360	356	343	6½V
	44 Smith & Wesson Spl	X44SP	246	Lead-Round Nose	Т	755	752	739	311	309	299	61/2V
	45 G.A.P.	X45GSHP	185	Silvertip HP	PP	1000	993	967	411	405	384	5
	45 G.A.P.	WC45G	230	WinClean (BEB)	Т	875	871	857	391	388	375	5
	45 G.A.P.	USA45G	230	Full Metal Jacket	т	850	846	832	369	366	353	5
	45 G.A.P.	USA45GJHP	230	Jacketed Hollow Point	PP	880	876	860	395	392	378	5
	45 Automatic	S45PDB	230	Defender	PP	920	916	900	432	428	414	5
	45 Automatic	W45D	230	W Defend	PP	850	847	834	369	366	355	5
	45 Automatic	W45T	230	W Train	Т	850	847	834	369	366	355	5
)	45 Automatic	W45LF	160	Super Clean (ZFMJ)	Т	1100	1089	1050	430	421	392	5
	45 Automatic	SUP45	230	Super Suppressed	Т	850	847	834	369	366	355	5
	45 Automatic	X45P	230	1911 Jacketed Hollow Point	PP	880	876	860	395	392	377	5
	45 Automatic	X45T	230	1911 Full Metal Jacket	Т	880	876	860	395	392	377	5
	45 Automatic	RED45	230	USA Ready	т	880	876	860	395	392	377	5
	45 Automatic	X45ASHP2	185	Silvertip HP	PP	1000	993	967	411	405	384	5
	45 Automatic	WC451	185	WinClean (BEB)	Т	910	902	870	340	334	311	5
	45 Automatic	WC452	230	WinClean (BEB)	Т	835	832	819	356	353	342	5
	45 Automatic	USA45A	185	Full Metal Jacket-Flat Nose	т	910	905	885	340	336	321	5
	45 Automatic	USA45JHP	230	Jacketed Hollow Point	PP		876	860	395	392	378	5
	45 Automatic	Q4170	230	Full Metal Jacket	Т	835	831	817	356	353	341	5
	45 Automatic (100 VP)	USA45AVP	230	Full Metal Jacket	Т	835	831	817	356	353	341	5
	45 Automatic (200 RP)	USA45W	230	Full Metal Jacket	т	835	831	817	356	353	341	5
	45 Colt	S45CPDB	225	Defender	PP	850	846	832	361	358	345	3V/Judge
	45 Colt	X45CSHP2	225	Silvertip HP	PP	920	915	898	423	419	403	51/2V
	45 Colt	X45CP2	255	Lead Flat Nose	Т	860	856	837	419	414	398	51/2V
	45 Colt	USA45CB	250	Lead	Т	750	747	735	312	310	300	5½V

I CENTERFIRE HANDGUN HUNTING

		Bullet Wt.				Velocity	(fps); Yards			Energy (f	t-lbs.); Yard	s	Barrel Length
Cartridge	Symbol	(Grs.)	Туре	User Guide	Muzzle	50	100	175	Muzzle	50	100	175	Inches
357 Magnum	X3574P	158	Jacketed Hollow Point	H/PP	1235	1104	1015	922	535	428	428	298	4V
357 Magnum	X3575P	158	Jacketed Soft Point	H/PP	1235	1104	1015	922	535	428	428	298	4V
41 Rem Magnum	S41PTHP	240	Platinum Tip	Н	1250	1151	1075	991	833	706	706	523	61/2V
41 Rem Magnum	X41MSTHP2	175	Silvertip HP	H/PP	1250	1120	1029	935	607	488	488	340	4V
44 Rem Magnum	S44RMDB	240	Dual Bond	Н	1300	1183	1092	996	900	745	745	529	61/2V
44 Rem Magnum	S44PTHP	250	Platinum Tip	Н	1250	1148	1070	985	867	732	732	539	61/2V
44 Rem Magnum	X44MS	210	Silvertip HP	H/PP	1250	1106	1010	912	729	570	570	388	4V
44 Rem Magnum	X44MHSP2	240	Hollow Soft Point	Н	1180	1081	1010	931	741	623	623	462	4V
44 Rem Magnum	Q4240	240	Jacketed Soft Point	Н	1180	1081	1010	930	741	623	623	461	4V
45 Winchester Magnum	X45WMA	260	Jacketed HP	Н	1200	1099	1026	945	831	698	698	516	5
454 Casull	S454DB	260	Dual Bond	Н	1800	1605	1430	1214	1870	1488	1488	851	71/2V
454 Casull	S454PTHP	260	Platinum Tip	Н	1800	1596	1414	1194	1870	1470	1470	824	71⁄2V
454 Casull	X454C3	250	Jacketed Hollow Point	Н	1300	1151	1047	945	938	735	735	495	71⁄2V
460 Smith & Wesson Mag	S460SWDB	260	Dual Bond	Н	2000	1790	1596	1344	2309	1849	1849	1043	83/8V
460 Smith & Wesson Mag	X460SW	250	Jacketed Hollow Point	H/RR	1450	1267	1127	995	1167	891	891	549	83/8V
500 Smith & Wesson Mag	S500SWDB	375	Dual Bond	Н	1725	1573	1435	1256	2477	2061	2061	1313	83/8V
500 Smith & Wesson Mag	S500PTHP	400	Platinum Tip	Н	1675	1531	1400	1232	2491	2082	2082	1348	83/8V
500 Smith & Wesson Mag	X500SW	350	Jacketed Hollow Point	H/RR	1350	1192	1077	965	1416	1104	1104	724	83/8V

€ LEAD-FREE PROJECTILE

RED TEXT = NEW PRODUCT

SHOTSHELL BALLISTICS 29

TARGET/CLAYS SHOTSHELL SUPER-TARGET When it comes to technology-driven and high-quality shotshell ammunition products, Winchester is clearly an industry leader. WATERFOWL Launching innovative products in target shooting, personal defense, waterfowl, turkey and upland hunting, Winchester continues to 1/2 11 - 1 3/8 - 14 BLIND DRYLOK **XPERT** HV demonstrate its ability to invent ammunition that improves the over-SIDE SUPER STEEL 1 - 1 1/4 - 14 all hunting and shooting experience. TURKEY Xpert Snow Goose is offered in a variety of hard-hitting LONG BEARD Double offerings, including a 1 & 2 shot size combination. LAK'A A LETHAL Length of Powder Dram Velocity 07 Standard A LOOK INSIDE Gauge Symbol Load Description Shell In. Equivalent fps@3ft Shot Shot Sizes THE TARGET LOAD **TARGET SHOOTING** AA® TRAACKER Winchester target loads have been winning competitions for over 12 GAUGE AA128TO Orange Wad - Overcast/Dark 2¾ 2¾ 1145 11/8 8 100 years, utilizing the best components available on the market. AA128TB Black Wad - Clear Sky 1145 12 GAUGE 23/4 23/4 11/8 8 12 GAUGE AAM127TO Orange Wad - Overcast/Dark 23/4 1200 11/8 71/2 Since 1965 the Winchester AA line, like the example below has 3 AAM127TB 12 GAUGE Black Wad - Clear Sky 2¾ 1200 11/8 71/2 3 been the gold standard for target loads. AAHA127TO Orange Wad - Overcast/Dark 1250 71/2 12 GAUGE 23/4 3 11/8 12 GAUGE AAHA127TB Black Wad - Clear Sky 23/4 3 1250 11/8 71/2 12 GAUGE AASC127TO Orange Wad - Overcast/Dark 23/4 3 1/4 1300 11/8 71/2 THE CRIMP AASC127TB 1300 12 GAUGE Black Wad - Clear Sky 23/4 71/2 3 1/4 11/8 Orange Wad - Overcast/Dark 23/4 1300 71/2 20 GAUGE AASC207TO 3 7/8 8 point crimp for 20 GAUGE AASC207TB Black Wad - Clear Sky 23/4 3 1300 71/2 the best uniformity AA® TARGET and consistent No. 1 August 12 GAUGE AAHA12 Super-Handicap 2¾ 3 1250 11/2 71/2,8 reloadability. 12 GAUGE AAHLA12 Light Handicap 2¾ 31⁄4 1290 71/2,8 1 AAM12 12 GAUGE Heavy Target 23/4 3 1200 11/8 71/2.8.9 12 GAUGE AA12 Light Target 23⁄4 2¾ 1145 11/8 71/2, 8, 81/2, 9 12 GAUGE AAI 12 Xtra-Lite 23/4 23⁄4 1180 71/2, 8, 81/2, 9 THE SHOT RR 12 GAUGE AA12FI Low Recoil 23/4 13/4 980 26 am 8 12 GAUGE AANI 12 International 23/4 31% 1325 24 gm 71/2.9 6% Antimony shot resists 20 GAUGE AAH20 Heavy Target 23⁄4 21/2 1165 71/2,8 deformation for premier target 20 GAUGE AA20 Target 23/4 21/2 1200 8.9 RR breaking performance. 20 GAUGE AA20FL8 Low Recoi 2¾ 11/2 980 8 7/8 28 GAUGE 23/4 1200 8,9 AA28 Target 410 GAUGE AA419 21/2 Max 1200 Target 9 **AA® SPORTING CLAYS** 12 GAUGE AASC12 Sporting Clays 2¾ 31⁄4 1300 11/8 71/2, 8, 9 12 GAUGE AASCL12 Sporting Clays 2¾ 31/2 1350 71/2.8 œ 12 GAUGE AASCL12S Sporting Clays 2¾ 1450 7 Steel, 8 Steel 20 GAUGE AASC20 Sporting Clays 2¾ 3 1300 71/2,8 AASC28 1300 28 GAUGE Sporting Clays 23/4 Max 71/2.81/2 3/4 21/2 410 GAUGE AASC41 Sporting Clays Max 1300 71/2, 8, 81/2 **USA SUPER TARGET** TRGT12M Heavy Target 23/4 3 1200 11/8 71/2.8 12 GAUGE œ 12 GAUGE TRGT12S7 Heavy Target 2¾ 1200 11/8 7 Steel 3 12 GAUGE TRGT12 Light Target 23/4 2¾ 1145 11/8 71/2,8 23% 23% 1180 71/2 8 9 12 GAUGE TRGTI 12 Xtra-Lite Target 20 GAUGE TRGT20 Target 23/ 21/2 71/2,8 SUPER-X® XPERT STEEL THE WAD Ð WE12GTH Xpert Hi-Velocity Steel 23% 1280 11/8 6.7 12 GAUGE _ AA wads make for a soft shooting œ 23/4 1325 12 GAUGE WE12GT Xpert Hi-Velocity Steel 6,7 target load with unparalleled œ 20 GAUGE Xpert Hi-Velocity Steel 23/4 1325 3/4 6,7 WF20GT Ē 28 GAUGE WF28GT Xpert Hi-Velocity Steel 23/4 1300 5% 6,7 pattern performance. œ 410 GAUGE WE413GT Xpert Hi-Velocity Steel 1400 3 6 LEAD-FREE PROJECTILE **RED TEXT = NEW PRODUCT** RR = Reduced Recoil

BALLISTICS SHOTSHELL

	Gauge	Symbol	Load Description	Length of Shell In.	Powder Dram Equivalent	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
1	/ATERF							
BLIN		HEX WATERFOWL L	OADS					
œ	MAGNUM 12 GAUGE	SBS12L	Magaum	3½		1400	1%	DD 1 2 2
(F)	12 GAUGE	SBS12L SBS123	Magnum Magnum	3 1/2		1400	1%	BB, 1, 2, 3 BB, 1, 2, 3, 5
(F)	20 GAUGE	SBS203	Magnum	3		1300	178	2, 5
G			Magnum	5		1500	/10	2, 3
0	HIGH VELOCI					4175		
œ	12 GAUGE	SBS123HV	High Velocity	3		1675	11/8	2, 3
DOVI		EL® WATERFOWL LO						
(G)	10 GAUGE	SSH10	High Velocity	31/2		1450	13/8	BBB, BB, 2
(F)	10 GAUGE	XSC10	Magnum	31/2		1350	15%	T, BBB, BB, 2
(F)	12 GAUGE	SSH12LH	High Velocity	31/2		1475	11/2	BBB, BB, 2, 3
(F	12 GAUGE	XSM12L	Magnum	31/2		1300	1 1/2	BB, 1, 2, 3
(F)	12 GAUGE	XSC12L	Magnum	31/2		1300	1 216	T, BBB
(F)	12 GAUGE	SSH123	High Velocity	3		1450	11/16	BB, 2, 3, 4
(F)	12 GAUGE	XSC123		3		1450	11/4	вв, 2, 3, 4 Т, ВВВ
(H)			Magnum	3		1400	1 1/4 1 3/8	I, ВВВ ВВ, 2, 3, 4
(F)	12 GAUGE 12 GAUGE	XSM123 XSV123	Magnum	3		1300	1% 1¼	BB, 2, 3, 4 BB, 2, 3, 4
(F			Magnum	23/4				
(H) (H)	12 GAUGE 20 GAUGE	XSM12 XSM203	Magnum			1300 1330	1¼ 1	2, 4 2, 3, 4
(F)		XSM203 XS204	Magnum	3 2¾			3/4	2, 3, 4
4	20 GAUGE	X5204	Magnum	2.9/4		1425	3/4	4
CUDI			ADC					
		EEL WATERFOWL LO		01/		1550	437	BB 0 0
9	12 GAUGE	WEX12L	Xpert Hi-Velocity Steel	31/2		1550	13/8	BB, 2, 3
9	12 GAUGE	WEX12LM	Xpert Hi-Velocity Steel	31/2		1625	11/4	BB, 2
(tj	12 GAUGE	WEX123M	Xpert Hi-Velocity Steel	3		1625	11/16	2, 3
Ð	12 GAUGE	WEX123H	Xpert Hi-Velocity Steel	3		1400	1¼	BB, 1, 2, 3, 4
œ	12 GAUGE	WEX123	Xpert Hi-Velocity Steel	3		1550	11/8	BB, 2, 3, 4
(F)	12 GAUGE	WEX12H	Xpert Hi-Velocity Steel	23/4		1400	11/8	BB, 2, 3, 4, 6
(j) (j)	12 GAUGE 20 GAUGE	WEX12 WEX203	Xpert Hi-Velocity Steel Xpert Hi-Velocity Steel	23/4 3		1550 1500	¹¹ / ₁₆ 7/8	BB, 2, 3, 4 2, 4
	RT SNOW GOOSE							
9	12 Gauge	WXS123BB	Xpert Snow Goose	3		1475	1/4	BB
(F)	12 Gauge	WXS12312	Xpert Snow Goose	3		1475	1¼	1+2
(F)	12 Gauge	WXS12LBB	Xpert Snow Goose	31/2		1550	1%	BB
œ	12 Gauge	WXS12L12	Xpert Snow Goose	3½		1550	1%	1+2
U	IPLANE	GAME I	BIRDS					
POO	STER XR							
	12 GAUGE	SRXR12	Shot-Lok Technology	23/4		1300	11/4	4, 5, 6
	12 GAUGE	SRXR123	Shot-Lok Technology	3		1300	11/2	4, 5, 6
	12 GAUGE	SRXR123HV	Shot-Lok Technology	3		1450	11/4	5, 6
SUPI	ER PHEASANT®							
	12 GAUGE	X123PH	Magnum	3		1350	1 1 1/8	4, 5
	12 GAUGE	X12PH	Magnum	23/4		1300	1%	4, 5, 6
	12 GAUGE	X12PHV	High Velocity	23⁄4		1450	1 %	4, 5, 6
	20 GAUGE	X203PH	Magnum	3		1250	1¼	4, 5, 6
	20 GAUGE	X20PH	High Velocity	23/4		1300	1	5, 6
SUP	ER-X® HIGH BRA	SSGAME						
5011	12 GAUGE	X12P	Pheasant	23/4		1220	1¼	4, 5
	12 GAUGE	X12F X12	Heavy Game	23/4		1330	11/4	4, 5, 6, 7½, 8
	16 GAUGE	X16H	Heavy Game	23/4		1295	11/4	4, 6, 71/2
	20 GAUGE	X20	Heavy Game	23/4		1295	1 78	4, 5, 6, 71/2, 8
	20 GAUGE	X20 X20P	Pheasant	23/4		1165	1	4, 5, 6, 7 72, 6
	28 GAUGE	X20P	Heavy Game	2%		1295	3/4	5,6
	28 GAUGE	X28H	Heavy Game	23/4		1275	1	5, 6, 7½, 8
	410 GAUGE	X413H	Heavy Game	3		1205	3/4	4, 6, 71/2, 81/2
	410 GAUGE	X413H X413	Heavy Game	3		1135	^{9/4} ¹¹ / ₁₆	4, 6, 71/2
	410 0AUGE	A413	neavy Game	Э		1155	/16	4, 0, 7 72
	410 GAUGE	X41	Heavy Game	21/2		1245	1/2	4, 6, 71/2

A LOOK INSIDE

THE WATERFOWL LOAD

It's what's on the inside that counts. Those words ring true when checking out the technology that is jam packed into Winchester's waterfowl lineup. Here's a look into Blind Side, our most innovative waterfowl load.



THE PRIMER

World famous Winchester 209 primer for consistent ignition in harsh environments. Together with the Drylok Super Steel System, these technologies work together to assure a successful hunt.

Waterfowl Shot Guide

SPECIES	IDEAL RANGE	SHOT SIZE	CHOKE	GAUGE
DUCK (SMALL)	15-40 yds	4, 5, 6	IC/Mod	12, 20, 28
DUCK (LARGE)	10-40 yds	BB,1, 2, 3	Mod/Imp. Mod	10, 12, 20
GOOSE	10-45 yds	T, BBB, BB	Mod/Imp. Mod	10, 12

LEAD-FREE PROJECTILE

RED TEXT = NEW PRODUCT

Gauge	Symbol	Load Description	Length of F Shell In.		ocity © 3 ft.	Oz. Shot	Standard Shot Sizes
	CAME	BIRDS (Cont.)					
OFLANL	JUAN						
SUPER-X® GAME							
12 GAUGE	XU12SP	Heavy Game	23/4	12	20	11⁄4	71/2,8
12 GAUGE	XU12H	Heavy Game	23/4		55	11/8	4, 6, 71/2, 8
12 GAUGE	XU12	Game	23/4	12	90	1	6, 7½, 8
16 GAUGE	XU16	Game	23/4	11	65	1	6, 8
20 GAUGE	XU20H	Heavy Game	23/4	11	65	1	6, 7½, 8
20 GAUGE	XU20	Game	23⁄4	12	210	7⁄8	6, 7½, 8
XTENDED RANGE BIS	митн						
(b) 12 Gauge	XRB123	Shot-Lok Technology	3	12	00	1 5/8	5
TURKEY	/						
LONGBEARD XR LEAI	D TURKEY LOADS						
12 GAUGE	STLB12L	Shot-Lok Technology	31/2	12	00	2	4, 5, 6
12 GAUGE	STLB123	Shot-Lok Technology	3	12	00	13/4	4, 5, 6
12 GAUGE	STLB12	Shot-Lok Technology	23/4	13	00	1 1/4	4, 5, 6
12 GAUGE	STLB12LM	Shot-Lok Technology	31/2	10	50	2 1/8	4, 5, 6
12 GAUGE	STLB123M	Shot-Lok Technology	3	10	50	1 1%	4, 5, 6
20 GAUGE	STLB203	Shot-Lok Technology	3	10	00	1 1⁄4	5, 6
DOUBLE-X® TURKEY	LOADS COPPER PL	ATED. BUFFERED					
10 GAUGE	STH10	High Velocity	31/2	13	00	2	4, 5
12 GAUGE	STH1235	High Velocity	31/2	13	00	2	4, 5
12 GAUGE	STH123	High Velocity	3	13	00	13/4	4.5
20 GAUGE	X203XCT	Magnum	3	11	85	11/4	4, 5
20 GAUGE	STH203	High Velocity	3	12	00	15/16	4, 5
SUPER-X® TURKEY L	OADS BUFFERED						
12 GAUGE	X123MT	Magnum	3	10	210	1%	4, 5
12 GAUGE	X12MT	Magnum	23/4		60	11/2	4,5
PERSON		ENSE					

DEEENDER®

DEFERDER							
12 GAUGE	S12PDX1S	Personal Defense	23⁄4	1600	-	1 oz. Segmenting Slug	
12 GAUGE	S12PDX1	Personal Defense	23⁄4	1150	-	Slug/Buck	
20 GAUGE	S20PDX1S	Personal Defense	23/4	1600		3/4 oz. Segmenting Slug	
410 GAUGE	S413PDX1	Personal Defense	3	750	-	4DD/16BB	
410 GAUGE	S410PDX1	Personal Defense	21/2	750		3DD/12BB	
410/45 Colt	S41045PD	Personal Defense	410/45 Combo Pack	750/850	-	3DD/12BB/45 Colt	

VARMINT

12 Gauge	X123VBB	Varmint-X	3		1300	1 1/2	BB
DOUBLE X BUCKSHO	T COPPER PLATED,	BUFFERED					
12 GAUGE	SB12L00	High Velocity	31/2		1450	15 Pellets	00 Buck
12 GAUGE	SB12300	High Velocity	3		1450	12 Pellets	00 Buck
12 GAUGE	SB1200	High Velocity	23/4		1450	9 Pellets	00 Buck
12 GAUGE	X123C000B	Buffered Buckshot	3		1225	10 Pellets	000 Buck
SUPER-X BUCKSHOT	BUFFERED						
12 GAUGE	XB12L00	Buffered Buckshot	31/2		1200	18 Pellets	00 Buck
12 GAUGE	XB12L4	Buffered Buckshot	31/2		1150	54 Pellets	4 Buck
12 GAUGE	XB12300	Buffered Buckshot	3		1210	15 Pellets	00 Buck
12 GAUGE	XB1231	Buffered Buckshot	3		1040	24 Pellets	1 Buck
12 GAUGE	XB1200	Buffered Buckshot	23/4		1325	9 Pellets	00 Buck
12 GAUGE	XB121	Buffered Buckshot	23⁄4		1250	16 Pellets	1 Buck
12 GAUGE	XB124	Buffered Buckshot	23⁄4		1325	27 Pellets	4 Buck
20 GAUGE	XB203	Buffered Buckshot	23/4		1200	20 Pellets	3 Buck
410 GAUGE	XB413	Buffered Buckshot	3		1135	5 Pellets	000 Buck
410 GAUGE	XB41000	Buffered Buckshot	21/2		1300	3 Pellets	000 Buck
SUPER-X® TRIALS & I	BLANKS						
12 GAUGE	XP12	Smokeless Powder	23/4	-	Blank	_	
10 GAUGE	XBP10	Black Powder	21/8	-	Blank	-	
12 GAUGE	XBP12	Black Powder	23/4		Blank		

A LOOK INSIDE

THE TURKEY LOAD

Nothing starts the new year off quite like an afternoon in the hollows hunting turkey. Winchester made turkey loads have produced success for decades in the woods across North America. Our Long Beard XR continues to break records year after year, but take a gander at our Double X Turkey loads, the product that inspired all the turkey loads that came after it.



THE BUFFERING

Grex buffering reduces setback forces on shot, improving pattern performance.

THE SHOT

Copper plated shot for improved down range pattern performance.

- THE HEAD

High Base brass head for consistent functioning in a wide range of firearms.

THE POWDER

Custom blended powders result in consistent, high-velocity payload.

Standard Shot Sizes

STANDARD SHOT SIZES	DENSITY	•	•	•	•	۰	۰	۰	•
Shot Number		9	8.5	8	7.5	7	6	5	4
Diameter In Inches		.08	.085	.09	.095	.10	.11	.12	.13
Pellets/Oz., Steel	7.9*	-		577	490	420	316	243	191
Pellets/Oz., Lead	11.0*	585	500	410	350	300	225	170	135
Pellets/Oz Bismuth	9.7*		-	-		-	-	194	-
Shot Number		•	• 2	(1	в	BB	BBB	• T
Diameter In Inches	1	.14	.15	i .	16	.17	.18	.19	.20
Pellets/Oz., Steel	7.9*	153	12	5 1	03	-	72	61	53
Pellets/Oz., Lead	11.0*	-	87		-	-	50	-	-
* Grams per cubic centimete	er								
BUCKSHOT SIZES		•		((\bigcirc

				-	-	$\overline{}$
Shot Number	4	3	1	0	00	000
Diameter In Inches	.24	.25	.30	.32	.33	.36
# Pellets Typical Load	27, 34, 41	20	16, 24	12	9, 12, 15, 18	8, 10

32 BALLISTICS SHOTSHELL

SLUGS

	Br	rand/Slug	Slug	Shell			Vel	ocity in f	ps-Yards		En	ergy in ft.	-lbsYard	is		Trajecto	ory heigh	it in incl	nes-Yard	ls	
Symbo	ol	Туре	Grs./Oz.	Length In.	Gauge	B.C.	Muzzle	50	100	125	Muzzle	50	100	125	25	50	75	100	125	150	175
FULLY RIFLE	D																				
SSDB1	123 DL	JAL BOND	375	3	12	0.21	1850	1674	1512	1438	2849	2333	1904	1720	0	0.8	0.8	0	-1.8	-4.6	-8.6
SXP123	3 XF	P3 TIN CORE	300	3	12	0.189	2000	1807	1622	1537	2664	2174	1751	1573	-0.2	0.8	0.7	0	-1.5	-3.9	-7.3
SSP123	3 PA	ARTITION GOLD	385	3	12	0.221	1850	1690	1542	1473	2925	2442	2032	1853	0	0.8	0.8	0	-1.7	-4.4	-8.3
SSDB1	12 DL	JAL BOND	375	23/4	12	0.21	1800	1628	1470	1398	2697	2206	1800	1627	0.1	0.9	0.9	0	-1.9	-4.9	-9.2
SXP12	XF	P3 TIN CORE	300	23/4	12	0.189	1900	1711	1536	1456	2404	1949	1572	1412	-0.1	0.7	0.8	0	-1.7	-4.4	-8.3
SSP12	PA	ARTITION GOLD	385	23/4	12	0.221	1725	1574	1436	1372	2543	2117	1762	1609	0.2	1	1	0	-2	-5.2	-9.7
SSDB2	203 DL	JAL BOND	260	3	20	0.175	1850	1651	1471	1389	1976	1574	1249	1114	0	0.9	0.9	0	-1.9	-4.9	-9.1
SSP20)3 PA	ARTITION GOLD	260	3	20	0.2	1850	1674	1512	1438	1976	1618	1320	1193	0	0.8	0.8	0	-1.8	-4.6	-8.6
SSDB2	20 DL	JAL BOND	260	23/4	20	0.175	1800	1605	1430	1352	1870	1488	1181	1054	0.1	0.9	0.9	0	-2	-5.2	-9.7
SSP20) PA	ARTITION GOLD	260	23/4	20	0.2	1800	1628	1470	1398	1870	1529	1248	1128	0.1	0.9	0.9	0	-1.9	-4.9	-9.2
RIFLED CHOK	KE TUBE / FUL	LY RIFLED																			
XRS123	3 BF	RISABOT	1 oz.	3	12	0.095	1400	1153	1007	957	1958	1329	1012	914	1.2	2.5	2.2	0	-4.3	-	-
XRS12	BF	RISABOT	1 oz.	23/4	12	0.095	1350	1121	988	941	1821	1256	975	885	1.3	2.7	2.3	0	-4.6	-	
XRS20) BF	RISABOT	5∕8 oz.	23⁄4	20	0.09	1400	1143	995	944	1162	774	586	529	1.2	2.6	2.3	0	-4.5	-	-
SMOOTH BOR	RE																				
X123R9	S15 RII	FLED	1 oz.	3	12	0.068	1760	1310	1040	965	3010	1667	1052	904	0.2	0	-1.5	-4.6	-9.7		-
X12RS1	15 RII	FLED	1 oz.	23⁄4	12	0.06	1600	1161	953	889	2488	1310	882	768	0.4	0	-1.9	-5.9	-12.1	-	
④ X12RS1	15LF LE	EAD FREE	3⁄4 oz.	23/4	12	0.04	1450	984	809		1587	732	494	-	0.5	0	-2.5	-8	-	-	
X12DS	RI	FLED	1½ oz.	23⁄4	12	0.045	1600	1072	871	805	2796	1254	829	708	0.4	0	-2.3	-6.9	-14.4		
X20RSI	SM5 RII	FLED	3⁄4 oz.	2 3/4	20	0.06	1600	1160	952	889	1865	981	660	575	0.3	0	-2	-5.9	-12.1	-	-
X413R9	S5 RII	FLED	1⁄4 oz.	3	410	0.058	1800	1288	998	919	788	403	234	205	0.3	0	-1.9	-5.8	-11	-	-
X41RS5	5 RII	FLED	⅓ oz.	21/2	410	0.061	1830	1318	1025	946	651	338	204	174	0.3	0	-1.9	-5.8	-12	-	

Shotgun Slug Barrel & Choke Tube Styles

From a fully rifled barrel on a custom slug gun, to a smoothbore barrel right off the shelf, deer hunters have a variety of equipment options. And just as important as the firearm you choose, it's critical that you shoot a slug that's optimized for your barrel and/or choke tube. Here's a list of the types of barrel and choke styles and a recommended offering for each.

FULLY RIFLED BARREL

A fully rifled barrel works best with today's sabot-type slugs as they impart the most spin to stabilize the load.

- Deer Season
- Super X BRI Rifled Slug
- Partition Gold • Dual Bond
- XP3



RIFLED CHOKE TUBE

A rifled tube extension to a smoothbore offers at least some spin and works best with a rifled slug.

0

- Deer Season
- Super X BRI Rifled Slug



VINCHESTER

SMOOTHBORE BARREL

For smoothbore barrels, choose a borediameter projectile for best performance.

- Deer Season
- Super X Rifled Slug



LEAD-FREE PROJECTILE

RED TEXT = NEW PRODUCT

Selecting the Right Choke Tube

To get the most out of your ammunition, choosing the right choke is critical. Following are the optimal distances for each main type of choke used by hunters and recreational shooters today.

Skeet – Just slightly tighter than cylinder bore, skeet choke tubes are made to get a quick spread on shot. The ideal range for this choke constriction is 15 to 25 yards.

Improved Cylinder – The ideal choke to use with Winchester Steel Shot Waterfowl products for 20-30 yard shots.

Modified – Modified choke tubes are a good general choke size to use when not sure whether shots will be close or far. Their ideal pattern is found at 30 to 40 yards.

Improved Modified – Improved Modified chokes offer little performance difference over Modified and Full but can offer a sweet spot out between 45 to 55 yards.

Full – For delivering maximum patterns at distance, go with the full choke, which depending on the load, can deliver an ideal range between 55 to 65 yards.

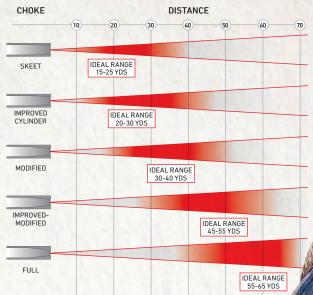
The Winchester Pattern Board

The Winchester Pattern Board allows you to select your gauge, choke, shell length, pellet size, brand and distance and view the real pattern from that load as well as patterns from comparable loads.

PATTERN B ARD



Available as a free app to download on the iOS app store and Android Play store



PATTERN BOARD

TRENDING

FOLLOW

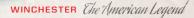
03

04

2

SHARE

01



0

34 BALLISTICS RIMFIRE

RIMFIRE

Considered the most popular ammunition in the world, rimfire ammunition is the ideal round for both first-time shooters and experts alike. With one of the most impressive selections for target shooting and hunting, Winchester remains an industry leader in rimfire ammunition.

> 17 WSM, the Fastest Rimfire in the World, available in High Energy, High Velocity and Lead-Free >

VARMINT/SMALL GAME VARDONT VARDONT **POWER-POINT®** TARGET/PLINKING BG. **SUBSONIC**

		Bullet Wt.						Velo	city in Fe	eet Per S	econd (f	fps)		Ene	rgy in F	oot Pour	nds (ft-l	bs.)				Traject	ory (Yar	ds)			Win	d Drift	t, 10 MI	PH (in)	
Cartridge	Brand	Symbol	(Grs.)	Bullet Type	BC	muzzle	50	100	125	150	175	200	muzzle	50	100	125	150	175	200	50	100	125	150	175	200	50	100	125	150	175	200
17 Win Super Mag	Varmint HV	S17W20	20	Polymer Tip	0.185	3000	2745	2504	2388	2275	2165	2058	400	335	278	253	230	208	188	-0.2	0	-0.4	-1.2	-2.4	-4.1	0.4	1.7	2.7	3.9	5.5	7.3
17 Win Super Mag	Varmint HE	S17W25	25	Polymer Tip	0.230	2600	2411	2230	2142	2057	1973	1892	375	323	276	255	235	216	199	0	0	-0.6	-1.8	-3.4	-5.6	0.4	1.6	2.6	3.8	5.3	7
17 Win Super Mag	Varmint X Lead Free	X17W15P	15	Polymer Tip	0.118	3300	2879	2496	2316	2143	1978	1821	363	276	207	179	153	130	110	-0.2	0	-0.4	-1.2	-2.5	-4.3	0.6	2.4	3.9	5.8	8.2	11.2
17HMR	Varmint HV	S17HMR1	17	Polymer Tip	0.125	2550	2212	1901	1757	1620	1494	1378	245	185	136	116	99	84	72	0.1	0	-0.9	-2.6	-5.0	-8.5	0.8	3.3	5.3	8.0	11.3	15.3
17HMR	Varmint LF	S17HMR1LF	15.5	Polymer Tip	0.115	2550	2184	1850	1696	1553	1422	1305	231	169	122	102	86	72	60	0.2	0	-1	-2.7	-5.4	-9.1	0.8	3.6	5.9	8.9	12.6	17.1
17HMR	Super-X	X17HMR1	20	JHP	0.130	2375	2063	1776	1644	1520	1406	1304	250	189	140	120	103	88	75	0.3	0	-1.1	-3.1	-5.9	-9.9	0.8	3.5	5.7	8.5	11.9	16.1
22WMR	Defender	S22MPDX1	40	JHP	0.110	1910	1592	1326	1218	1130	1061	1008	324	225	156	132	113	100	90	1	0	-2.2	-6.0	-11.4	-18.7	1.3	5.7	9.2	13.6	18.7	24.6
22WMR	Super Suppressed	SUP22M	45	JHP	0.102	1060	983	920	891	862	835	809	112	97	85	79	74	70	65	3.7	0	-5.7	-14.1	-25.4	-39.8	1.0	3.9	6.0	8.6	11.7	15.3
22WMR	Super-X Subsonic	X22MSUB	45	JHP	0.102	1060	983	920	891	862	835	809	112	97	85	79	74	70	65	3.7	0	-5.7	-14.1	-25.4	-39.8	1.0	3.9	6.0	8.6	11.7	15.3
22WMR	Varmint HE	S22WM	34	JHP	0.102	2120	1753	1437	1304	1192	1104	1037	339	232	156	128	107	92	81	0.7	0	-1.8	-4.9	-9.6	-16.0	1.2	5.5	8.9	13.2	18.5	24.7
22WMR	Varmint HV	S22M2	30	JHP	0.089	2250	1819	1450	1298	1173	1080	1011	337	220	140	112	92	78	68	0.6	0	-1.7	-4.8	-9.4	-15.9	1.3	5.9	9.6	14.5	20.4	27.2
22WMR	Varmint HV	S22M2PT	30	VMax	0.095	2250	1842	1490	1341	1215	1116	1041	337	226	148	120	98	83	72	0.6	0	-1.7	-4.5	-8.9	-14.9	1.2	5.5	8.9	13.4	18.9	25.3
22WMR	Varmint LF	X22MHLF	25	Polymer Tip	0.080	2100	1643	1280	1147	1052	984	930	245	150	91	73	61	54	48	0.9	0	-2.3	-6.2	-12.2	-20.3	1.7	7.4	12	17.7	24.5	32
22WMR	Super-X X22MH	40	JHP	0.110	1910	1592	1326	1218	1130	1061	1008	324	225	156	132	113	100	90	1	0	-2.2	-6.0	-11.4	-18.7	1.3	5.7	9.2	13.6	18.7	24.6	
22WMR	Super-X X22M	40	FMJ	0.110	1910	1592	1326	1218	1130	1061	1008	324	225	156	132	113	100	90	1	0	-2.2	-6.0	-11.4	-18.7	1.3	5.7	9.2	13.6	18.7	24.6	
22WMR	Dynapoint	USA22M	45	DP	0.126	1550	1322	1147	1083	1031	989	953	240	174	131	117	106	98	91	1.7	0	-3.2	-8.3	-15.5	-24.9	1.4	5.9	9.3	13.3	17.8	22.9

								1.1.1.1	HAN	DGUN			RIFLE		
Cartridge	Brand	E Symbol	Bullet W (Grs.)	t. Bullet Type	BC	Rounds Per Box	Package Type	Barrel Length (in)	Muzzle Velocity (fps)	Muzzle Energy (ft. lbs.)	Muzzle Velocity (fps)	Muzzle Energy (ft. lbs.)	Velocity 100 Yards (fps)	Energy 100 Yards (fps)	Trajectory 100 Yards
22 Long Rifle	Super-X	X22LRSS1	40	LRN Copper Plated	0.119	100	plastic	6	1105	108	1300	150	1038	96	3.3
22 Long Rifle	Super-X	X22LRHSS1	37	LHP Copper Plated	0.111	100	plastic	6	1135	106	1330	145	1038	88	3.2
22 Long Rifle	Super-X	X22LRPP1	40	PP Copper Plated	0.098	100	plastic	6	1085	105	1280	145	1001	89	3.5
22 Long Rifle	M22 Subsonic	S22LRTSUP	45	LRN Black Copper Plated	0.141	100	plastic	6	1000	100	1090	119	966	93	4.2
22 Long Rifle	Hyper Speed	XHV22LR	40	LHP Copper Plated	0.105	100	plastic	6	1305	151	1435	183	1070	102	2.9
22 Long Rifle	Varmint HE	S22LRFSP	37	FHP Copper Plated	0.090	50	plastic	6	1215	121	1400	161	1027	87	3.2
22 Long Rifle	Varmint LF	X22LRHLF	26	THP TIN	0.062	50	plastic	6	1455	122	1650	157	1023	60	2.3
22 Long Rifle	Super-X	X22LRH	37	LHP Copper Plated	0.107	50	paper/brick	6	1085	97	1280	135	1015	85	3.5
22 Long Rifle	Super-X	X22LRPP	40	PP Copper Plated	0.098	50	paper/brick	6	1085	105	1280	145	1001	89	3.5
22 Long Rifle	Super-X	X22LR	40	LRN Copper Plated	0.116	50	paper/brick	6	1060	100	1255	140	1017	92	3.6
22 Long Rifle	Super-X	XT22LR	40	LRN Standard Velocity	0.116	50	paper/brick	6	950	80	1150	117	976	85	4
22 Long Rifle	Wildcat	WW22LR	40	LRN	0.116	50	paper/brick	6	1060	100	1255	140	1017	92	3.5
22 Long Rifle	Wildcat	WW22LRB	40	DP	0.116	500	paper/bulk	6	950	80	1150	117	976	85	4
22 Long Rifle	Super-X	X22LRSUBA	40	LHP	0.109	50	paper/brick	6	870	67	1065	101	922	76	4.5
22 Long Rifle	Super-X	X22LRS	-	#12 Shot		50	paper/brick	1 -			N/A				-
22 Long Rifle	Xpert	XPERT22	36	LHP	0.084	500	paper/bulk	6	1085	94	1280	131	975	76	3.7
22 Long Rifle	222	22LR222HP	36	LHP Copper Plated	0.084	222	paper/bulk	6	1085	94	1280	131	975	76	3.7
22 Long Rifle	333	22LR333HP	36	LHP Copper Plated	0.084	333	paper/bulk	6	1085	94	1280	131	975	76	3.7
22 Long Rifle	525	22LR525HP	36	LHP Copper Plated	0.084	525	paper/bulk	6	1085	94	1280	131	975	76	3.7
22 Long Rifle	555	22LR555HP	36	LHP Copper Plated	0.084	555	paper/bulk	6	1085	94	1280	131	975	76	3.7
22 Long Rifle	Super Suppressed	SUP22LR	45	LRN Black Copper Plated	0.141	100	plastic	6	1000	100	1090	119	966	93	4.2
22 Long Rifle	M22 Subsonic	S22LRTSU8	45	LRN Black Copper Plated	0.141	800	paper/bulk	6	1000	100	1090	119	966	93	4.2
22 Long Rifle	M22	S22LRT	40	LRN Black Copper Plated	0.125	1000	paper/bulk	TBD	TBD	TBD	1255	140	1017	92	3.6
22 Long Rifle	Power-Point	PP22LRH42U	J 42	PP Copper Plated	0.124	500	paper/bulk	6	1205	138	1320	163	1056	104	3.3
22 Long Rifle	Power-Point	W22SUB42U	42	LRN	0.116	500	paper/bulk	6	965	87	1065	106	929	80	4.4
22 WRF	Super-X	22WRF	45	LFN Copper Plated	0.108	50	paper	6	1105	122	1300	169	1023	105	3.4
22 Short	Super-X	X22SB	-	Blank Black Powder		50	paper/brick		-		N/A	-	-	-	
22 Short	Super-X	X225	29	LRN Copper Plated	0.084	50	paper/brick	6	1010	66	1095	77	903	52	4.5
22 Long	Super-X	X22LRCBMA	29	LRN	0.114	50	paper/brick	6	575	21	770	38	681	30	3.9

Ballistic Coefficient (BC): The "Ballistic Coefficient" or B.C. of a projectile (bullet) is a measure of its efficiency in flight or how well it is able to overcome air resistance. The higher the ballistic coefficient, the less velocity a bullet will lose over distance — resulting in less drop at longer ranges and more energy on target. So, for long range hunting or target shooting, the higher the B.C. the better.

(4) LEAD-FREE PROJECTILE **RED TEXT = NEW PRODUCT**

ABBREVIATIONS LFN - Lead Flat Nose

LHP - Lead Hollow Point JHP - Jacketed Hollow Point FHP - Fragmenting Hollow Point FMJ - Full Metal Jacket

PP - Power Point

LRN - Lead Round Nose

DP - Dynapoint* Lubaloy® Plating **THP** - Tin hollow Point STHP - Silver Tip Hollow Point PSP - Pointed Soft Point FMJBT - Full Metal Jacket Boat-Tail SP - Soft Point ZFMJ - Zinc Core Full Metal Jacket PPFN - Power-Point Flat Nose

A LOOK INSIDE

THE RIMFIRE CARTRIDGE

Most people start shooting with a rimfire cartridge like the 22 Long Rifle. Winchester realizes that this is the product where most people first experience our brand. We are committed to producing a quality product so new shooters have the confidence to continue to enjoy our sports.



THE BULLET

These bullets are swaged and proudly made to exacting specs for target shooters and small game hunters.

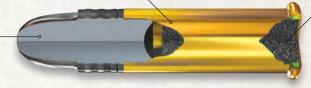
	L	JSAGE CH	ART*				
Cartridge	Brand	Symbol	Varmint	Game	Plinking	Control	Training
17 Win Super Mag	Varmint HV	S17W20					
17 Win Super Mag	Varmint HE	S17W25					
17 Win Super Mag	Varmint X Lead Free	X17W15P					
17HMR	Varmint HV	S17HMR1					
17HMR	Varmint LF	S17HMR1LF		•			
17HMR	Super-X	X17HMR1					
22WMR	Defender	S22MPDX1		•			
22WMR	Super Suppressed	SUP22M					
22WMR	Super-X Subsonic	X22MSUB	•				
22WMR	Varmint HE	S22WM	•	•			
22WMR	Varmint HV	S22M2	•				
22WMR	Varmint HV	S22M2PT	•	•			
22WMR	Varmint LF	X22MHLF	•	•			
22WMR	Super-X	X22MH	•	•			
22WMR	Super-X	X22M	•	•			
22WMR	Dynapoint	USA22M	•	•			
22 Long Rifle	Super-X	X22LRSS1		•	•		
22 Long Rifle	Super-X	X22LRHSS1		•			
22 Long Rifle	Super-X	X22LRPP1		•			
22 Long Rifle	M22 Subsonic	S22LRTSUP	•	•	•	•	•
22 Long Rifle	Hyper Speed	XHV22LR	•	•			
22 Long Rifle	Varmint HE	S22LRFSP	•	•		•	•
22 Long Rifle	Varmint LF	X22LRHLF	•	•			
22 Long Rifle	Super-X	X22LRH		•			
22 Long Rifle	Super-X	X22LRPP					
22 Long Rifle	Super-X	X22LR		•	•		
22 Long Rifle	Super-X	XT22LR			•		
22 Long Rifle	Wildcat	WW22LR			•		
22 Long Rifle	Wildcat	WW22LRB		•	•		
22 Long Rifle	Super-X	X22LRSUBA		•		•	•
22 Long Rifle	Super-X	X22LRS				•	
22 Long Rifle	Xpert	XPERT22		•		•	
22 Long Rifle	222	22LR222HP	•	•	•		
22 Long Rifle	333	22LR333HP	•	•	•		
22 Long Rifle	525	22LR525HP	•	•	•		
22 Long Rifle	555	22LR555HP	•	•	•		
22 Long Rifle	Super Suppressed	SUP22LR	•	•	•	•	•
22 Long Rifle	M22 Subsonic	S22LRTSU8	•	•	•	•	•
22 Long Rifle	M22	S22LRT	•	•	•	•	•
22 Long Rifle	Power-Point	PP22LRH42U	•	•	•		
22 Long Rifle	Power-Point	W22SUB42U	•	•	•		
22 WRF	Super-X	22WRF				•	
22 Short	Super-X	X22SB					•
22 Short	Super-X	X225	•	•	•	•	
22 Long	Super-X	X22LRCBMA			•	•	•

* It is important to understand that rimfire ammunition is very versatile and has broad cross-over with many applications. This usage guide is a 'starting point' for the beginner sportsman to guide the user in product usage applications. As you become more experienced and knowledgeable, broader usage applications are possible. Choosing a round is subjective and will vary depending on personal preference, the gun used, environmental conditions and other factors.

RED TEXT = NEW PRODUCT

(4) e LEAD-FREE PROJECTILE

THE CASING Lot to lot consistency for a sure functioning product in the field or on the range.



THE PRIMING MIX Consistent and clean

burning for less time cleaning and more time shooting.

The ALL NEW Winchester Ballistics Calculator

Winchester's recently updated Ballistics Calculator not only provides easy to read ballistics charts and graphs, it now features the revolutionary 'shooters-eye view', which visually illustrates the point of impact, aimpoint, drop drift and trajectory.

- Compare your favorite Winchester loads
- Customize your shooting conditions
- Easy-to-read ballistics charts and graphs
- Revolutionary 'shooters-eye-view'
- See point of impact, aim-point, and more!



s creedn	0.540,	ason XP, Extre 2,85	eme Point, 125 Gr	ains	
Donal -				-	
a yas	D,DE sec	1.5-16	Q SH	2.850 (ps	2.252 ft-1bs/seg
25 yds	0.03 мес	-0.7 in	- D in	2,807 fps	2.386 fr-ins/sec
50 yds	0.05 вес	-0.3 in	-+ 0.3 in	2.764 fps	Zill8 ft-lbs/sec
75 yds	0.08 sec	olin	→ 0.3 in	2.723 tps:	2,054 ft-104/se
100 yds	Q11 sec	0.0 m	- 0.0 in	2.679 fps	1,991 ft-10s/sec
125 yets	0.14 sec	-0.5 in	- 09 In	2.638 fps	1,929 Pt-Ibs/sec
150 yda	D 17 MIC	10 di sin	-+ T.5 in-	2.597 fps	1.870 ft-lbs/set



A Real of the Art of t

WINCHESTER The American Legend



SHOOTING COMPONENTS

Shooters that load their own ammunition demand precision and quality when it comes to the components they use. Winchester's shooting components are custom-designed and manufactured to precise specifications to deliver optimal ontarget performance characteristics.



 Winchester carries component bullets for both centerfire rifle and handgun ammunition in a variety of large-quantity packages.

BULLETS

	Nominal Bullet	Bullet	Bullet		
Caliber	Diameter	Weight	Туре	Symbol	Qty/Bag
RIFLE BULLET	S				
Consumer Pack	Metallic Component	s (Plastic Bag)		
22	.224	46 gr.	HP	WB22HP46	100
22	.224	50 gr.	PSP	WB222PSP50	100
22	.224	55 gr.	FMJBT	WB556MC55	100
22	.224	55 gr.	PSP	WB223PSP55	100
22	.224	64 gr.	PP	WB223PP64	100
243	.243	80 gr.	PSP	WB243PSP80	100
270	.277	130 gr.	PP	WB270PP130	100
7mm	.284	150 gr.	PP	WB7PP150	100
7.62	.310	123 gr.	PP	WB762PP123	100
30	.308	147 gr.	FMJBT	WB762MC147	100
30	.308	150 gr.	PP	WB30PP150	100
30 (30-30)	.308	150 gr.	PPFN	WB30FN150	100
30 (308)	.308	180 gr.	PP	WB308SP180	100
44 (44-40)	.426	200 gr.	SP	WB44SP200	100

HANDGUN BULLETS

Con	sumer Pack Metalli	ic Components	s (Plastic Ba	ag)		
	380	.356	95 gr.	FMJ	WB380MC95	100
	38	.356	130 gr.	FMJ	WB38MC130	100
	9mm	.355	115 gr.	STHP	WB9ST115	100
	9mm	.355	115 gr.	FMJ-Flat Base	WB9FB115	100
	9mm	.355	115 gr.	FMJ-Hollow Base	WB9MC115	100
	9mm	.355	115 gr.	JHP-Notched	WB9JHP115	100
	9mm	.355	147 gr.	STHP	WB9ST147	100
	9mm	.355	147 gr.	JHP-Notched	WB9JHP147	100
	9mm	.355	124 gr.	FMJ-Flat Base	WB9MC124	100
	38/357	.357	110 gr.	JHP-Notched	WB38JHP110	100
	38/357	.357	125 gr.	JHP-Notched	WB38JHP125	100
	38/357	.357	145 gr.	STHP	WB357ST145	100
	38/357	.357	158 gr.	JHP-Notched	WB357HP158	100
	40/10mm	.400	155 gr.	STHP	WB40ST155	100
	40/10mm	.400	165 gr.	Truncated Cone	WB40TC165	100
	40/10mm	.400	175 gr.	STHP	WB40ST175	100
	40/10mm	.400	180 gr.	Truncated Cone	WB40TC180	100
	40/10mm	.400	180 gr.	JHP-Notched	WB40JHP180	100
	44	.430	210 gr.	STHP	WB44ST210	100
	44	.430	240 gr.	HSP-Notched	WB44HSP240	100
	45	.451	230 gr.	FMJ	WB45MC230	100
	45	.451	230 gr.	JHP-Notched	WB45JHP230	100

SHOTSHELL WADS

Symbol	Gauge	Optimum (Oz.)	Description Shot Wt.	Color
WAA12L	12	7/8	For % to 1 ounce loads	Gray
WAA12	12	11/8	For 1 to 1% ounce loads	White
WAA12SL	12	1 & 11/8	For 1 to 1% ounce loads but	Pink
			can be used anywhere 1 ounce	
			F1 wad was recommended	
WT12	12	11/8	For 1 to 1% ounce loads	Orange
WAA20	20	7/8	For 11/4 ounce loads	White
WAA28HS	28	3/4	Used in new HS Hull Only	Red
WAA410HS	5 .410	1/2	Used in new HS Hull Only	Red

RELOADING POWDERS

6231 Robinson

Winchester reloading powders are offered through Hodgdon Powder Company. Detailed information on all the Winchester reloading powders and reloading data is available at: www.wwpowder.com.

Winchester Smokeless Propellant Shawnee Mission, KS 66202 Phone: (913) 362-9455 -N AUTOCOMP" BALL POWDER HANDIC 48 BALL POWDER

THE RELOAD

Winchester is proud of the loaded rounds we make, but we also support those who like to load it their way. Rest assured, our components will yield tight groups and be some of the easiest components to use in your reloader. Our factory loads are proven because of the quality of individual components that go into making them.

THE SHELLCASE

Uniform and consistent brass shellcases made to the exacting spec of the long range target shooter and hunter.

THE POWDER

Winchester Reloading Powders are made under license by the Hodgdon Powder Company using the strictest attention to quality and the best formulated mixes for the at home reloader. Contact The Hodgdon Powder Company for the latest tips and recipes.



Winchester component primers are the same primers that we trust in our factory loaded ammunition.

ISHELLCASES

Cartridge	Symbol	Qty/Bag	Cartridge	Symbol	Qty/Bag
NPRIMED RIFLE SHELLO	CASES		32 Win. Special	WSC32WSU	50
Consumer Pack Metallic Components (Plastic Bag)			7.62x39mm	WSC762X39U	50
204 Ruger	WSC204RU	100	32-20 Win.	WSC3220U	50
218 Bee	WSC218BU	100	8mm Mauser	WSC8MMAU	50
22 Hornet	WSC22HU	100	325 WSM	WSC325WSMU	50
22-250 Rem.	WSC22250U	100	338 Win. Mag.	WSC338WMU	50
220 Swift	WSC220SU	100	348 Win.	WSC348WMU	50
222 Rem.	WSC222RU	100	35 Rem.	WSC35REMU	50
223 Rem.	WSC223RU	100	356 Win.	WSC356U	50
223 WSSM	WSC223WSSU	50	358 Win.	WSC358U	50
225 Win.	WSC225WU	50	375 Win.	WSC375WU	50
243 Win.	WSC243WU	50	375 H&H Mag.	WSC375HHU	50
243 WSSM	WSC243WSSU	50	38-40 Win.	WSC3840U	50
6mm Rem.	WSC6MMRU	50	38-55 Win.	WSC3855WU	50
25 WSSM	WSC25WSSU	50	44-40 Win.	WSC4440WU	50
25-06 Rem.	WSC2506RU	50	45-70 Government	WSC4570GU	50
25-20 Win.	WSC2520U	50	458 Win. Mag.	WSC458WMU	50
25-35 Win.	WSC2535WU	50			
257 Roberts +P	WSC257PU	50	UNPRIMED HANDGUN SHE	LCASES	
264 Win. Mag.	WSC264WMU	50	Consumer Pack Metallic Com	ponents (Plastic Bag)	
6.5x55 Swedish	WSC6555SU	50	380 Automatic	WSC380AU	100
270 Win.	WSC270WU	50	30 Luger	WSC30LU	100
270 WSM	WSC270WSMU	50	32 Smith & Wesson	WSC32SWU	100
280 Rem.	WSC280RU	50	32 Short Colt	WSC32SCU	100
284 Win.	WSC284WU	50	38 Special	WSC38SU	100
7mm-08 Rem.	WSC708RU	50	9mm Luger	WSC9U	100
7mm Mauser	WSC7MMAU	50	38 Super Auto +P	WSC38AS+U	100
7mm Rem. Mag.	WSC7MMRU	50	9x23mm	WSC923WU	100
7mm WSM	WSC7MMWSMU	50	357 Sig	WSC357SIGU	100
30 Carbine	WSC30CU	100	357 Magnum	WSC357MU	100
30-30 Win.	WSC3030WU	50	40 Smith & Wesson	WSC40SWU	100
30-06 Springfield	WSC3006SFU	50	10mm Auto	WSC10MMU	100
30-40 Krag	WSC3040KU	50	41 Rem. Mag.	WSC41RMU	100
300 Blackout	WSC300BLKU	100	44 Smith & Wesson	WSC44SWU	100
300 WSM	WSC300WSMU	50	44 Rem. Mag.	WSC44MU	100
300 Win. Mag.	WSC300WMU	50	45 Automatic	WSC45AU	100
300 Savage	WSC300SU	50	45 G.A.P.	WSC45GU	100
303 British	WSC303BU	50	45 Colt	WSC45COLTU	100
307 Win.	WSC307U	50	454 Casull	WSC454CU	100
308 Win.	WSC308WU	50	500 Smith & Wesson	WSC500SWU	50

PRIMERS

Symbol	Primer	Types	
W209	#209	Shotgun Shells	
WLR	#8½ - 120	Large Rifle	
WLRM	#8½M - 120	Large Rifle Magnum	
WSR	#6½ - 116	Small Rifle	
WSP	#1½ - 108	Small Regular Pistol	
WLP	#7 - 111	Large Regular Pistol	
WSPM	#1½M - 108	Small Magnum Pistol	

MUZZLELOADING PRIMERS

Symbol	QTY/Carton	Types
SML11	100	Percussion Cup
SML209T7	100	Primer



38 WINCHESTER BRANDED MERCHANDISE

RELIABILITY. REPUTATION.

For more than half of this country's history, the Winchester brand has represented the best America has to offer. As both "The Gun that Won the West," and continuing as our nation's most popular ammunition, the Winchester brand is iconic throughout the world. Check out the latest Winchester branded merchandise available in 2019.

Product detail from these official licensees can be found at www.WinchesterBrandedProducts.com.

WINCHESTER REPEATING ARMS





7 RELOADING PROPELLANTS







40 WINCHESTER ONLINE

THE ALL NEW WINCHESTER.COM

Winchester is dedicated to innovation, from firearms, ammunition and of course, all things online. New for 2019, Winchester.com! It's here and loaded with dynamic content, ballistics information, and the opportunity to rate and review all Winchester ammunition products!

Check it out and share your experience with others via our social channels. We've got everything you need to live the #WinchesterLife.





Choose your favorite Winchester loads and customize the shooting conditions to replicate ballistics

NEW FOR 2019

Shooters-Eye View Feature

ALL NEW Ballistics Calculator

Winchester's recently updated Ballistics Calculator not only provides easy to read ballistics charts and graphs, it now features the revolutionary 'shooters-eye view', which visually illustrates the point of impact, aim-point, drop drift and trajectory.

- Compare your favorite Winchester loads
- Customize your shooting conditions
- Easy-to-read ballistics charts and graphs
- Revolutionary 'shooters-eye-view'

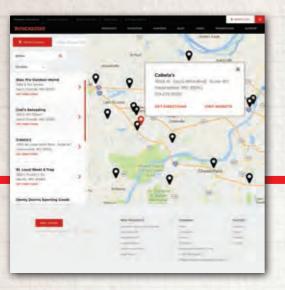
See point of impact, aim-point, and more!

Available as a free app to download on the iOS app store and Android Play store





performance in your own shooting or hunting environment.



#WinchesterLife

IT'S MORE THAN JUST A HASHTAG.

It's a life to be proud of, built on heritage, family traditions and some of the most innovative products ever introduced for hunters and shooters around the world.

Find A Retailer

It's easier than ever before to find a Winchester retailer in your area. Visit Winchester.com and use the 'Find a Retailer' tool. Here you can research a retailer's contact information and locations.

WINCHESTER PATTERN B@ARD

Pattern Board

The Winchester Pattern Board allows you to select your gauge, choke, shell length, pellet size, brand and distance and view the real pattern from that load as well as patterns from comparable loads.



Available as a free app to download on the iOS app store and Android Play store

ATTERN BCARD

Use #WinchesterLife and tag Winchester to be featured on our social media channels.

- Facebook.com/WinchesterOfficial
- Twitter: @Winchester
- Youtube.com/WinchesterAmmunition •
- 0 Instagram: @WinchesterAmmunition

PLUS get the latest news and information on Winchester products and events through these social media channels. Find us on Facebook and Instagram, follow us on Twitter for daily tweets and check out our library of short films on YouTube.



41

EXCELLENCE IN INNOVATION

For more than 150 years, Winchester Ammunition has led the way in innovation, inventing some of the world's most popular cartridges. The tradition continues with the 350 Legend. As we lead the ammunition industry into the future, it's important to remember where we came from. Here's a look back at Winchester cartridge launches over the past 100 years.

1895 30-30 Winchester

The .30-30 Winchester is the grandfather of all .30 caliber cartridges. It's almost a certainty that more deer have been taken with the .30-30 than any other cartridge we have developed.

1901 32 Win Special

Offering an increase in muzzle energy and bullet diameter over the .30-30, this cartridge was the favorite of deer and large game hunters in the early 20th century.

1925 270 Winchester The .270 Winchester is tailor-made for

hunting deer and stalking bighorn sheep or pronghorn out west. Famed outdoor writer Jack O'Connor's favorite rifle was chambered in .270 Winchester.

1952 308 Winchester

The .308 Winchester is a shorter cartridge, allowing firearms made in this caliber to have a shorter action than their .30-06 counterparts. It fits the bill for modern firearms better than any other cartridge invented by Winchester.

2001 300 WSM

Like computers of today, designs are more compact and better than they were 20 years ago. The 300 WSM is a shorter cartridge than the 300 Win Mag yet it offers the same performance.

1990 40 S&W

The 40 S&W outperforms the 9mm Luger in ballistic performance while also besting the .45 Auto in magazine capacity. It's the best of both worlds.

1963 300 Winchester Mag

Flatter shooting than a .270 Winchester with more down range energy than the .30-06, this certainly is the best large game cartridge.

1959 264 Winchester Mag

A cartridge way ahead of its time. The 264 Win Mag boasts significant performance upgrades over its 6.5mm/.264 caliber contemporaries.

1955 243 Winchester

The .243 Winchester is perfect for varmints, coyote and deer. A popular choice with youth shooters and those averse to recoil, the .243 Win fills an important niche in the hunting world.



2019 350 Legend

The 350 Legend is the most efficient and highest velocity straight-walled cartridge in history. A cartridge built for the modern sportsman. The straight-walled design allows for this high performing rifle cartridge to be used in states that allow the use of straight-walled cartridges for hunting. Speaking of performance, the 350 Legend boasts more muzzle energy than .30-30 Winchester, 300 Blackout and 223 Remington and less recoil than .243 Winchester, yet still offering 20% more penetration. Inside 300 yards, it's the most versatile cartridge on the market.

