



# **WINCHESTER**<sup>®</sup>

2020 AMMUNITION CATALOG



NEW FOR 2020  
AA Diamond Grade



## 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 American Legend*

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SILVERTIP®

USA  
READY

AA  
DIAMOND GRADE

AA  
DIAMOND GRADE

WILDCAT™

350  
LEGEND

LONG  
BEARD  
XR  
LOU'D & LETHAL™

EXPEDITION  
BIG GAME  
LONG RANGE

SNOW  
GOOSE  
XP

SNOW  
GOOSE  
XP  
312 IN - 1 3/8 - 182

**NEW** at Winchester.com

### Ratings & Reviews

Have something to say about a Winchester Ammunition product? We want to hear from you! You have the opportunity to leave a rating and review at Winchester.com and see what others are saying about our products.

*Devastating Round! ★★★★★*

*The Ballistic Silvertip is the most accurate and hard hitting round I've found for my A-Bolt. I'll never shoot anything else.*

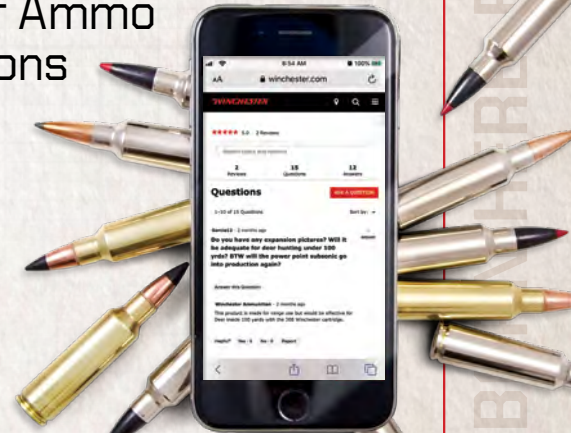
*—Anthony Springfield, PA*



### Q&A

### Get Answers to Your Ammo Questions

If you have a question about any one of our Winchester Ammunition products, a specialist is available to help. Simply ask your question on a product page and our experts will work to provide you with an answer.



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BUILT HERE.



# 1250 FPS



makes the AA 1 oz. sporting clays load hard hitting with low recoil.

PAGE 9

# 4X

## MORE ANTIMONY

(hardening alloy) than standard lead target loads, resulting in the hardest lead shot available.

PAGE 8



# 255

**GRAIN OPEN TIP**  
**SUBSONIC BULLET**

350 Legend Super Suppressed is engineered for noise reduction and decreased fouling in suppressors.



# 383

**FOOT POUNDS**  
**OF ENERGY AT THE MUZZLE**

Silvertip in 9mm Luger has the Power to Defend.

PAGE 4

**SILVERTIP®**

# 58

**CALIBER**  
**SLUG**

The new Deer Season XP Copper Impact Slug significantly improves accuracy through rifled barrels.

PAGE 12



# 25%

**MORE ACCURATE**  
**ACTIVE DUTY**

than standard military training rounds; the Active Duty 115 gr flat nose bullet specifically meets MHS requirements.

PAGE 7



# 50:50

**BLEND OF 1 & 2 SHOT** Xpert® Snow Goose delivers uncompromised performance in the field.



PAGE 14

# .597

**BALLISTIC COEFFICIENT IN 300 WIN MAG**

Expedition Big Game Long Range is our most accurate big game caliber ever.



PAGE 13

# 60 YARDS

is no longer a stretch for turkeys. Long Beard XR® puts 2X the pellets in a 10" circle out to 60 yards.

PAGE 16



# 2,185

**FEET PER SECOND MUZZLE VELOCITY**

USA Ready's 300 Blackout, featuring an accurate 125 grain open tip bullet.



PAGE 6

# 230 GRAIN FLAT NOSE BULLET

With an 880 fps muzzle velocity in 45 AUTO, USA Ready is ready for anything.



PAGE 6

# 1971



was the year Winchester Wildcat started prowling the woods. Now it's back and fiercer than ever in .22 LR with a 40 grain bullet.





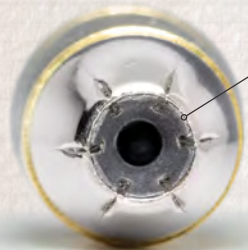
# POWER TO DEFEND™

## SILVERTIP®



Winchester Silvertip technology provides threat-stopping power across a wide variety of calibers and bullet weights. The engineered jacket profile is designed to ensure reliable functioning, precise accuracy and consistent expansion. In 2020, Winchester Silvertip will be available in a 20-round pack size and a new packaging design.

*When it comes to ammunition for personal defense, the Winchester Silvertip Jacketed Hollow Point (JHP) is a time-tested, proven round.*



*Hollow point provides maximum stopping power for personal defense scenarios*



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

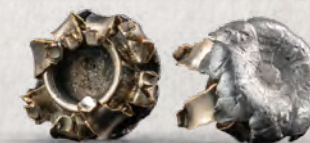


*Offered in a variety of calibers and bullet weights, Silvertip products are available for most of the common personal defense handguns today.*

9 MM



45 Auto





# BUILT FOR PERSONAL DEFENSE

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



See page 20 for the full line-up of Winchester personal defense centerfire rifle ammunition and page 24 for personal defense handgun ammunition along with detailed ballistics information.



## DEFENDER.

### Defender®

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



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 allows easier target acquisition for follow-up shots in low light settings



Shown here in 10 MM

Notched jacket expands into six uniform segments

Greater muzzle energy than 357 Magnum (10 MM only)



## MADE IN USA

### 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.

Full metal jacket provides positive functioning and no expansion



Shown here in 9 MM

Consistent accuracy, trusted for target and range shooting

Reduced barrel fouling means fewer cleanings and more range time

## Project Childsafe



Owning a firearm, whether for target shooting, hunting or personal protection, is a right every law-abiding 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](http://www.ProjectChildSafe.org)



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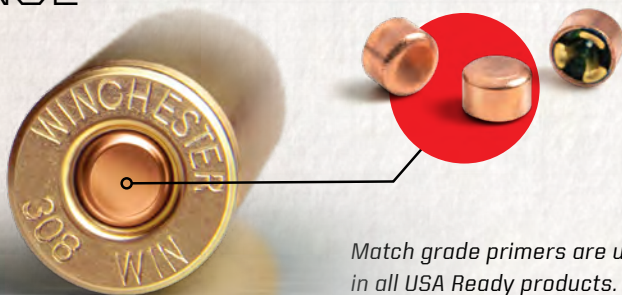
# READY FOR ANYTHING



Available in a full line of centerfire rifle and handgun calibers, USA Ready has every type of ammunition you need for training and competition.

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. The USA Ready lineup features both flat nose and open tip bullets for optimum accuracy and Match Grade primers for improved consistency. Winchester also includes a unique lot code on each package tied to a web page that allows consumers to look up the factory testing results for their specific lot of ammunition to see exact velocity and pressure numbers.

**SELECT GRADE AMMUNITION** READY FOR COMPETITION, TRAINING or A DAY AT THE RANGE

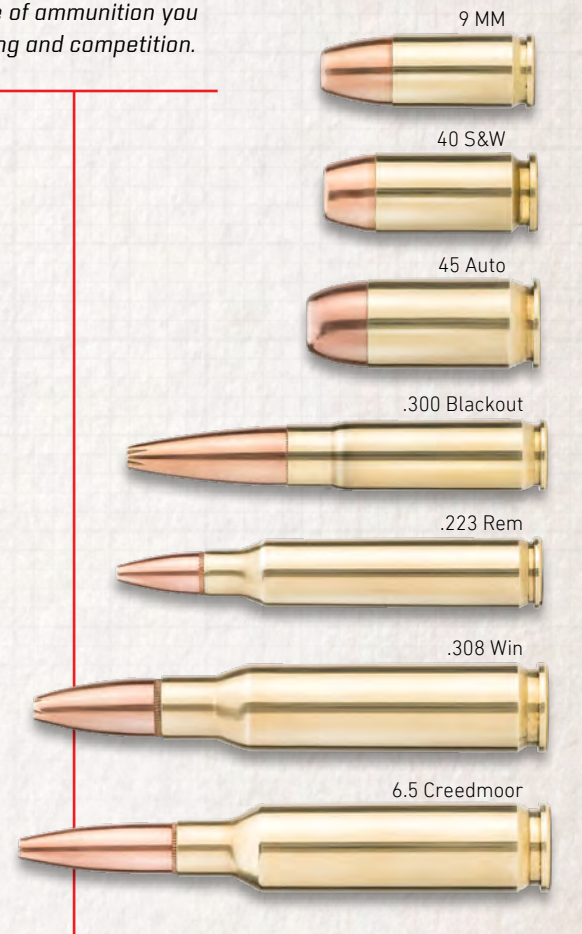


Match grade primers are used in all USA Ready products.

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

*Match-Grade primers built to exacting specifications for shot-to-shot consistency*

*Lot Controlled - ballistics data for each lot published online at [Winchester.com/USAREADYINFO](http://Winchester.com/USAREADYINFO)*





# 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 20 for the full line-up of Winchester centerfire rifle ammunition and ballistics information.

See page 24 for centerfire handgun ammunition along with ballistics information.



## Active Duty

Selected to serve as the ammunition supplier for the U.S. Army Modular Handgun System (MHS) program. Winchester proudly developed M1152 to serve alongside the U.S. Warfighter; M1152 delivers the accuracy and reliability required by the MHS program.

## ACTIVE DUTY

Loaded to US Military M1152 specification for improved cycling and reliability.

Selected to serve as the ammunition supplier for the US Army Modular Handgun System (MHS) program



Flat Nose FMJ bullet is highly accurate with engineered profile to ensure reliable feeding



Military grade primer built to exacting specifications for shot-to-shot consistency



## SUPER SUPPRESSED

## Super Suppressed

Winchester Super Suppressed™ is made specifically for shooting through firearms outfitted with a suppressor. Super Suppressed is available in six calibers—common to both rifles and handguns—including the new 350 Legend, 308 Win, 9mm Luger, 45 Auto and 22 LR.

Shown here in 350 Legend



255 Grain Open Tip Subsonic bullet

Optimized for Suppressor use



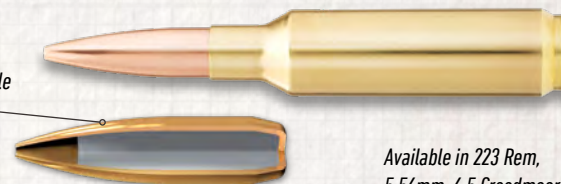
## MATCH

## 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 long-range accuracy even in challenging atmospheric conditions.

Shown here in 6.5 Creedmoor

Match-style bullet profile with boattail design



Proven design for extreme long-range accuracy

Available in 223 Rem, 5.56mm, 6.5 Creedmoor, 308 Win and 338 Lapua



## MADE IN USA

## 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. The 350 Legend cartridge is a high-performing straight-walled cartridge that is ideal for hunters and sport shooters. Offering high velocity and low recoil, the 350 Legend is easy and fun to shoot.

Shown here in 350 Legend



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# AA DIAMOND GRADE

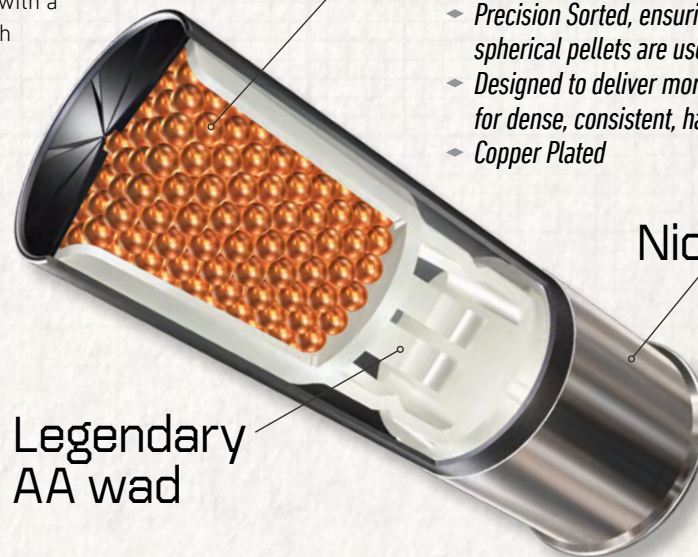
IS WINCHESTER'S NEW PREMIER SHOTSHELL ROUND, DESIGNED FOR SERIOUS SPORTING CLAYS SHOOTERS WHO DEMAND EXCELLENCE.



Winchester is adding to its already famous line of AA shotshell target ammunition. The new AA Diamond Grade competition load features the highest antimony-hardest shot, resulting in more round pellets downrange for dense, uniform patterns. AA Diamond Grade also features best-in-class primers and powder with a high-strength smooth hull.

## AA Diamond Grade Shot

- ◆ 8% antimony (hardening alloy), 4X more than standard target loads, resulting in the hardest lead shot available
- ◆ Precision Sorted, ensuring only the most spherical pellets are used
- ◆ Designed to deliver more round pellets downrange for dense, consistent, hard-hitting patterns
- ◆ Copper Plated



Nickel plated head

Legendary AA wad



**ZACH KIENBAUM**  
*Back to back National Sporting Clays Association (NSCA) National Champion*



**DESI EDMUNDS**  
*World Champion Sporting Clays Shooter*



**ANTHONY MATARESE, JR.**  
*World Champion Sporting Clays Shooter*



# 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 with AA and Super Target.



FRANK THOMPSON

DANIA VIZZI

KIM RHODE

See page 27 for the full line-up of Winchester recreational shooting shotshell ammunition along with detailed ballistics information.



AA®

From sporting clays to speedy trap and skeet shoots, legendary Winchester AA shotshells are 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. Also available in AA Steel.



Collapsible dual-hinged wad reduces felt recoil



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

High-strength hull



Xpert Game & Target

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.



High-performance, corrosion resistant Xpert Steel Shot



Thicker wad segments for increased barrel protection



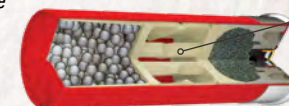
**SUPER-TARGET®**

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.



Consistent patterns, excellent value



Hinged wad for reduced recoil

WINCHESTER *The American Legend™*

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# 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*

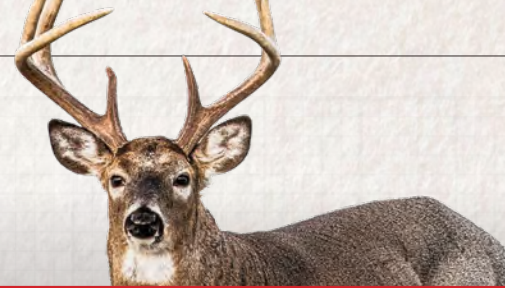
*Actual bullet  
recovered from a  
buck harvested with  
Deer Season XP*





# DOMINANT FOR DEER

No matter what your likely hunt scenario will be this season, Winchester has you covered. Here are our top deer bullets, designed to deliver on whitetails, mule deer and blacktails.



See page 20 for the full line-up of Winchester centerfire rifle ammunition along with detailed ballistics information.



## BALLISTIC SILVERTIP®

### 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.



Shown here in 6.5 Creedmoor



Sleek nose profile and boattail bullet design for minimized drag

Polymer tip to initiate rapid expansion on impact

Lubalox (black oxide) coating for reduced barrel fouling



## POWER MAX BONDED®

### Power Max Bonded

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.



Shown here in 300 Win Mag



Bonded Core Technology remains welded to the jacket after impact

Notched Hollow Point promotes rapid expansion for quick knock-down

Contoured jacket and bonded lead core for maximum retained weight and penetration



## DEER SEASON XP® COPPER IMPACT™



### 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 offers improved weight retention and deep penetration. The red, reinforced polymer tip separates it from standard Deer Season XP® loads.



Shown here in 270 Win

Precision accuracy due to the polymer tip

Streamlined profile and boattail for flat trajectory

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



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



## POWER-POINT®

### Super X Power-Point

This iconic deer bullet has been around hunt camps across the country for decades. Winchester's most economical deer offering, Super X Power-Point affords deer hunters a bullet with reliable expansion and accuracy in a stout lineup of popular calibers.



Shown here in 243 Win



Lead-tipped cup-and-core bullet

Notched jacket for reliable expansion

WINCHESTER *The American Legend™*



# SLUG UP!

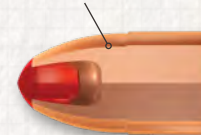


## Deer Season XP Copper Impact™

The Deer Season XP Copper Impact slug is Winchester's most accurate and effective sabot slug. The solid copper bullets use a polymer tip to improve ballistics and deliver uniform, large diameter upsets that impact deer hard. The large diameter bullets and thin wall sabots improve accuracy through fully rifled barrels to help you bring down that trophy buck.



58 caliber projectile and engineered thin-wall sabot improve accuracy and terminal performance

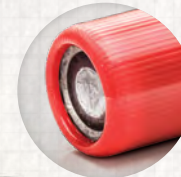


Solid copper construction expands consistently and maximizes retained weight



## Deer Season™

The Deer Season slug is ideal for deer hunters throughout North America. This 12-gauge slug features a 1 1/8-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.



Larger impact area for massive energy transfer



Integrated rear stabilizer travels downrange with the slug for improved accuracy

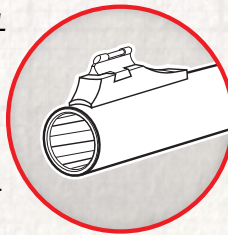


## Shotgun Slug Barrel & Choke Tube Styles

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. It's critical that you shoot a slug that's optimized for your barrel and/or choke tube.

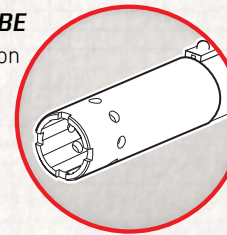
### FULLY RIFLED BARREL

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



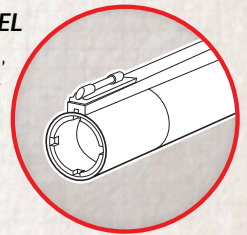
### RIFLED CHOKE TUBE

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



### SMOOTHBORE BARREL

For smoothbore barrels, choose a bore-diameter projectile for best overall performance.



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

DEER SEASON XP  
COPPER IMPACT





# TOUGH GAME. TOUGHER BULLET.



## Expedition Big Game

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. Expedition Big Game Long Range is loaded with Nosler Accubond Long Range (LR) bullets, combining optimum bullet weights for the most popular big game cartridges used in North America and Africa.



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



*Polymer tip initiates expansion upon impact*



Shown here in 6.5 Creedmoor



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

*Bonded lead alloy core for maximum retained weight and much deeper penetration*



Shown here in 30-06 Sprg



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

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



## Power Max Bonded®

Power Max Bonded cartridges have long been the go-to selection for serious big game hunters. Their protected hollow-point bullet features a contoured jacket and bonded core technology for high retained weight upon impact. Available in a wide range of calibers.



Shown here in 30-06 Sprg



*Notched Hollow Point promotes rapid expansion for quick knock-down*

*Bonded Core Technology remains welded to the jacket after impact*  
*Contoured jacket and bonded lead core for maximum retained weight and penetration*



## Ballistic Silvertip

For longer-range shots, Ballistic Silvertip delivers superior accuracy due to its sharp polymer tips, sleek nose profiles and boattails designed to minimize drag.

*Lubalox (black oxide) coating for reduced barrel fouling*



Shown here in 6.5 Creedmoor



*Polymer tip to initiate rapid expansion on impact*

*Sleek nose profile and boattail bullet design for minimized drag*



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 20 for the full lineup of Winchester big game loads and detailed ballistics information.

WINCHESTER *The American Legend™*

BORN HERE. BUILT HERE.





# LET. IT. SNOW.

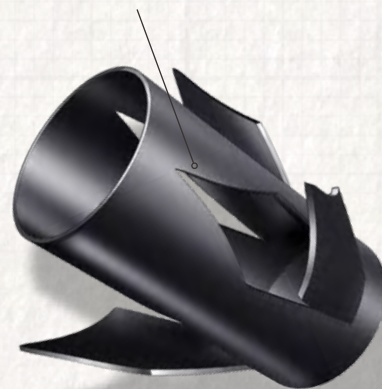


*Xpert Snow Goose is offered in a variety of hard-hitting offerings, including a 1 & 2 shot size combination.*

## SNOW GOOSE XPERT

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.

*Diamond Cut Wad for improved long-range pattern density over standard systems*



*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*



Hull Wad





# 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 27**  
for the full line-up of Winchester shotshell loads along with detailed ballistics information.



## BLIND SIDE

### 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, multiple-edged shot provides 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%.



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

### Drylok Super Steel®

Winchester Drylok Super Steel shotshells provide water-resistant, high-velocity, 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.



Hard-hitting plated steel shot

Drylok Super Steel Wad keeps powder dry for consistent velocities

Lacquered primer aids water resistance and reliability



## SUPER X

### Super X® Xpert® HV

Winchester Super X Xpert HV shotshells offer a true breakthrough in high-performance, 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

Available in 12 and 20 gauge offerings



High velocity loads for hard-hitting performance



# LOK'D & LETHAL



**LONG BEARD XR**  
LOK'D & LETHAL

## Long Beard XR®

Featuring innovative Shot-Lok Technology, Long Beard XR offers the tightest patterns and longest shot capability of any traditional turkey load with twice the pellets in a 10-inch circle out to 60 yards. Long Beard XR has the knockdown power of popular heavier-than-lead loads at a fraction of the cost.



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



10% more penetration at 50 yards over standard lead loads



**Xtended Range**  
BISMUTH

## 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**

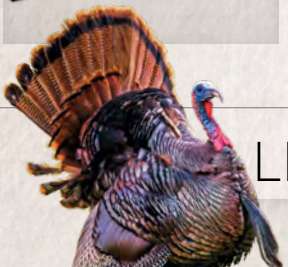
## Double X®

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.

Available in both Magnum and High Velocity offerings



Copper-plated shot for better penetration Grex buffering reduces shot deformation upon firing



## 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 29 for the full line-up of loads along with detailed ballistics information.



# XTREME ON PREDATORS



## VARMINT X®

### Varmint X® Centerfire Rifle

Varmint X is designed specifically for the demands of predator and varmint hunters. The sleek, polymer-tipped bullets are accurate and designed to minimize pelt damage. It's the ammunition of choice for pursuing everything from prairie dogs to coyotes.



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

Lead-core bullet with alloy jacket

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



### Varmint X® Shotshells

Varmint X shotshells bring the proven Shot-Lok Technology to a load for predators in close hunting situations. 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.

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

### Varmint HE® (High Energy)

Headlined with Winchester's ground-breaking 17 Win Super Mag (WSM), the fastest rimfire round ever developed, Varmint HE delivers 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.

Designed for maximum impact



25 grain polymer-tipped fragmenting bullet for instant terminal upset



## VARMINT HV® HIGH VELOCITY

### Varmint HV® (High Velocity)

Varmint HV is where the 17 WSM truly achieves its ground-breaking 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 for accurate and reliable performance shot after shot.

Designed for higher velocity



Polymer-tipped fragmenting bullet

Clean burning powder



## VARMINTS BEWARE

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 20 for the full line-up of loads along with detailed ballistics information.

BORN HERE. BUILT HERE.



# ROOSTER!



## Super Pheasant

Super Pheasant is built with copper-plated lead shot and specially engineered wads to deliver high-velocity 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.



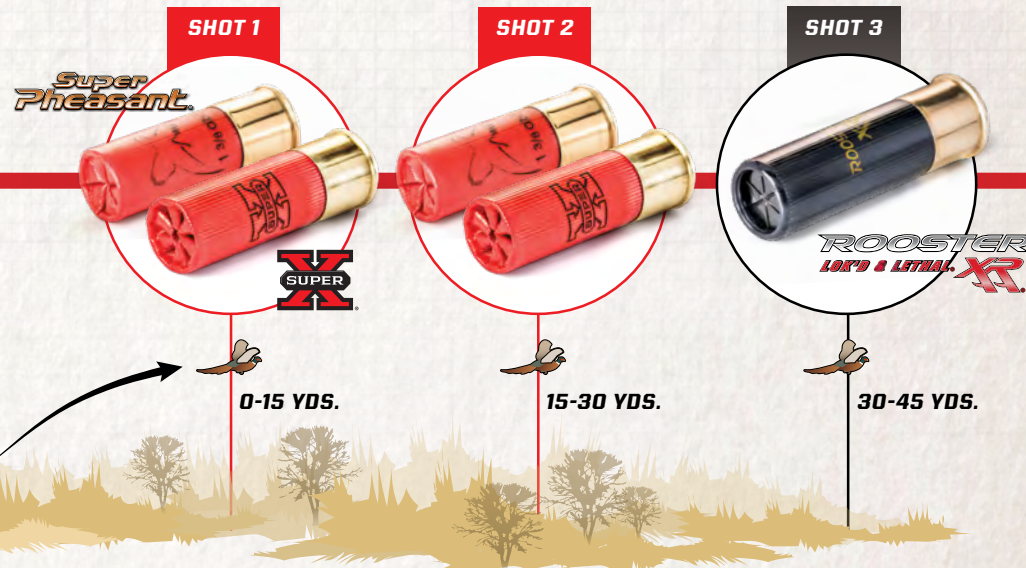
The season is long, and sometimes a grind. With each step afield, be ready to swing into action on the flush. Trust your instincts and your ammunition.



Copper plated lead shot for deeper penetration

High 1,450 fps velocity for excellent terminal performance

Powerful high brass magnum loads



## 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 28 for the full line-up of Winchester upland and small game loads along with detailed ballistics information.



**ROOSTER.**  
*LOK'D & LETHAL.* **XR**

## 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.

*10% more penetration at 50 yards over standard lead loads*

*Shot-Lok's hardened resin helps copper-plated lead shot resist deformation upon firing*



*Twice the pellets on target at 60 yards than standard pheasant loads*



**X**  
**SUPER**

## 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-the-field or on-the-range quality with off-the-shelf value.

*Excellent quality and value*

*Available in 12, 16, 20, 28 and 410*



*Wide selection of offerings for every hunter*



## Walk Among Legends

Nearly 70 years ago, John M. Olin took more than 600 acres of Illinois farmland and turned it into a wildlife oasis. He created an ideal place to raise and train the best Labradors that ever flushed a pheasant or retrieved a duck, including the legendary King Buck. He called it NILO, dedicating it to unsurpassed hunting, sport shooting and wildlife conservation. Over the years, stars, celebrities, avid outdoorsmen and legendary writers would enjoy Mr. Olin's hospitality at NILO. To this day it is still considered one of the most prestigious hunting and shooting preserves in the nation. Hunters from the public now have the chance to walk in their footsteps through a variety of hunting packages, including pheasant, chukar and waterfowl.

Learn more and book your hunt or shooting sports experience today at [www.NiloFarms.com](http://www.NiloFarms.com).

WINCHESTER *The American Legend™*

BORN HERE. BUILT HERE.®





# 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.



**BIG GAME**



**TRAINING/COMPETITION**

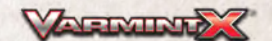


**DEER**

**POWER-POINT**



**VARMINT**



◀ The 350 Legend gives hunters and sport shooters alike new options for the field and the range.

Cartridge	Symbol	Bullet Wt.		Type	Velocity in Feet Per Second (fps)					Energy in Foot Pounds (ft.-lbs.)					Trajectory, Short Range Yards					Trajectory, Long Range Yards						
		(Grs.)	B.C.		Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	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	-46.8
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	-28.2	-75.6	3.3	0	-18.2	-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	-72.6	2.8	0	-17.1	-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	-80.3	3.6	0	-19.4	-66.1	-
22 Hornet	X22H2	46	0.130	Hollow Point	2690	2043	1504	1129	949	841	739	426	231	130	92	72	0.0	0	-7.1	-30.0	-80.1	3.6	0	-19.4	-65.9	-
220 Swift	X220S	50	0.200	Pointed Soft Point	3870	3310	2816	2373	1972	1616	1663	1226	881	625	432	290	-0.4	0	-1.7	-7.8	-20.2	0.8	0	-5.2	-16.7	-37.1
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	-73.8
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
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	-5.6	-18.7	-44.2
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	-42.8
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	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 (150 RD)	USA556L1	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 (200 RD)	USA556L2	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 (1,000 RD)	USA556LKY	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 RD)	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	-	-	-	-	-	-	
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
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
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 (150 RD)	USA223L1	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 (1,000 RD)	USA223LKY	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	0.0	-3.6	-7.8	-34.8	1.8	0.0	-8.8	-27.7	-61.0
223 Remington (60 RD)	RED223VP	62	0.216	Open Tip	3065	2630	2235	1875	1557	1294	1293	952	687	484	334	230	-0.2	0.0	-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	2934	2541	2181	1851	1810	1384	1051	789	581	418	-0.4	0	-1.6	-7.2	-18.3	0.8	0	-4.9	-15.1	-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	-43.6
243 Winchester	SBST243	55</																								



A LOOK INSIDE

# THE CENTERFIRE RIFLE CARTRIDGE

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** A proprietary mix of ball propellant that is clean burning and specially formulated for shot-to-shot consistency across a wide temperature range.

## THE PRIMER

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.



Cartridge	Symbol	Bullet Wt.		Type	Velocity in Feet Per Second (fps)					Energy in Foot Pounds (ft.-lbs.)					Trajectory, Short Range Yards					Trajectory, Long Range Yards						
		(Grs.)	B.C.		Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	200	300	400	100	200	300	400	500
243 Winchester	SBST243A	95	0.400	Ballistic Silvertip	3100	2854	2626	2410	2203	2007	2021	1719	1455	1225	1024	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
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
243 Winchester	X243D5LF	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	RED65VP	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	SBST65CM	140	0.509	Ballistic Silvertip	2700	2525	2357	2195	2039	1891	2266	1982	1726	1497	1293	1111	-0.1	0	-4.0	-14.2	-31.6	2.0	0	-8.2	-23.7	-47.6
6.5 Creedmoor	X651	129	0.324	Power-Point	2820	2541	2279	2032	1803	1591	2277	1849	1487	1182	931	725	-0.1	0	-3.9	-14.5	-33.4	2.0	0	-8.7	-25.5	-53.7
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	X65D5LF	125	0.428	Deer Season XP Copper Impact	2850	2636	2431	2236	2050	1873	2254	1928	1641	1388	1166	974	0.2	0	-3.5	-12.9	-29.3	1.8	0	-7.7	-22.3	-45.2
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	0.625	Accubond LR	2700	2557	2419	2284	2154	2028	2298	2061	1844	1645	1463	1297	-0.1	0	-3.8	-13.6	-30.0	1.9	0	-7.9	-22.4	-44.4
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
270 Winchester	X270D5LF	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	2702	2229	1826	1482	1191	950	-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
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.		



Cartridge	Symbol	Bullet Wt.		Type	Velocity in Feet Per Second (fps)					Energy in Foot Pounds (ft.-lbs.)					Trajectory, Short Range Yards					Trajectory, Long Range Yards						
		(Grs.)	B.C.		Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	200	300	400	100	200	300	400	500
284 Winchester	X2842	150	0.364	Power-Point	2860	2609	2371	2145	1933	1734	2724	2266	1872	1533	1244	1001	-0.2	0	-3.6	-13.5	-30.9	1.8	0	-8.0	-23.6	-48.6
7mm-08 Remington	SBST708	140	0.454	Ballistic Silvertip	2770	2572	2382	2200	2026	1860	2386	2056	1764	1504	1276	1076	-0.1	0	-3.8	-13.7	-30.8	1.9	0	-8.0	-23.2	-46.9
7mm-08 Remington	X708BP	140	0.408	Power Max Bonded	2800	2578	2367	2165	1974	1793	2437	2066	1741	1457	1211	999	-0.1	0	-3.7	-13.7	-31.1	1.9	0	-8.1	-23.6	-48.1
7mm-08 Remington	X708DS	140	0.484	Deer Season XP	2800	2612	2432	2159	2093	1934	2437	2121	1838	1586	1361	1162	-0.2	0	-3.6	-13.1	-29.4	1.8	0	-7.7	-22.2	-44.7
7mm-08 Remington	X708	140	0.360	Power-Point	2800	2549	2312	2087	1876	1679	2437	2020	1661	1354	1094	876	-0.1	0	-3.9	-14.3	-32.7	1.9	0	-8.5	-24.9	-51.3
7mm WSM	S7MMWSMCT	160	0.512	AccuBond CT	3050	2862	2682	2509	2342	2182	3306	2911	2556	2237	1950	1692	-0.3	0	-2.7	-10.3	-23.5	1.4	0	-6.2	-17.9	-36.0
7mm WSM	SBST7MMS	140	0.460	Ballistic Silvertip	3225	3008	2810	2603	2414	2233	3233	2812	2438	2106	1812	1550	-0.3	0	-2.3	-9.1	-21.1	1.2	0	-5.6	-16.4	-33.1
7mm WSM	X7MMWSMBP	150	0.393	Power Max Bonded	3200	2948	2710	2484	2270	2066	3410	2894	2446	2055	1716	1421	-0.3	0	-2.5	-9.8	-22.7	1.3	0	-6.0	-17.6	-36.1
7mm WSM	X7MMWSM	150	0.346	Power-Point	3200	2915	2648	2396	2157	1933	3410	2830	2335	1911	1550	1245	-0.3	0	-2.6	-10.2	-23.8	1.3	0	-6.3	-18.6	-38.5
7mm Remington Mag.	S7LR	168	0.616	Accubond LR	2900	2748	2602	2460	2322	2189	3137	2817	2525	2257	2012	1788	-0.2	0	-3.1	-11.4	-25.3	1.5	0	-6.7	-19.1	-38.0
7mm Remington Mag.	S7MMCT	160	0.512	AccuBond CT	2950	2766	2590	2420	2257	2099	3091	2718	2382	2080	1809	1566	-0.2	0	-3.0	-11.3	-25.5	1.5	0	-6.7	-19.4	-38.9
7mm Remington Mag.	SBST7	150	0.493	Ballistic Silvertip	3100	2903	2714	2533	2359	2192	3200	2806	2453	2136	1853	1600	-0.3	0	-2.6	-10.0	-22.8	1.3	0	-6.0	-17.5	-35.1
7mm Remington Mag.	X7MMR1BP	150	0.393	Power Max Bonded	3090	2844	2612	2391	2181	1981	3180	2694	2272	1904	1584	1307	-0.3	0	-2.8	-10.7	-24.7	1.4	0	-6.5	-19.1	-39.1
7mm Remington Mag.	X7DS	140	0.484	Deer Season XP	3100	2899	2707	2523	2346	2177	2987	2612	2278	1978	1711	1472	-0.3	0	-2.6	-10.0	-22.9	1.3	0	-6.1	-17.6	-35.5
7mm Remington Mag.	X7MMR2	175	0.426	Power-Point	2860	2644	2439	2243	2055	1878	3178	2717	2311	1954	1641	1370	-0.2	0	-3.5	-12.8	-29.1	1.7	0	-7.6	-22.1	-44.9
7mm Remington Mag.	X7MMR1	150	0.373	Power-Point	3090	2831	2587	2356	2136	1929	3180	2670	2229	1848	1520	1239	-0.3	0	-2.8	-10.9	-25.2	1.4	0	-6.6	-19.5	-40.1
7mm Mauser (7 x 57)	X7MM1	145	0.355	Power-Point	2660	2413	2180	1960	1754	1565	2278	1875	1530	1236	990	788	-0.1	0	-4.5	-16.3	-37.2	2.2	0	-9.6	-28.3	-58.3
7.62 x 39mm	S76239PDB	120	0.248	Defender	2365	2039	1741	1479	1262	1104	1490	1108	808	583	424	325	0.2	0	-6.9	-25.4	-60.0	3.5	0	-15.0	-46.1	-99.1
7.62 x 39mm	X76239*	123	0.244	Power-Point	2365	2033	1731	1465	1248	1093	1527	1129	818	586	425	327	0.2	0	-7.0	-25.7	-60.7	3.8	0	-15.4	-46.3	-98.4
7.62 x 39mm	Q3174	123	0.245	Full Metal Jacket	2355	2026	1726	1463	1247	1093	1515	1121	814	584	425	326	0.2	0	-7.0	-25.9	-61.1	3.8	0	-15.6	-47.6	-
7.62 x 39mm	X76239DS	123	0.304	Deer Season XP	2380	2112	1862	1633	1429	1257	1547	1218	947	728	557	431	0.2	0	-6.3	-22.8	-52.3	3.2	0	-14.0	-39.7	-83.3
30 Carbine	X30M1*	110	0.166	Hollow Soft Point	1990	1567	1236	1035	923	842	967	599	373	262	208	173	0.9	0	-13.5	-49.9	-	6.5	0	-29.3	-90.9	-
30 Carbine	Q3132	110	0.180	Full Metal Jacket	1990	1596	1279	1070	952	870	967	622	399	280	221	185	0.9	0	-13.0	-47.4	-	6.5	0	-27.9	-86.0	-
300 Blackout	X300BLKX++	200	0.306	Super-X Subsonic	1060	987	930	-	-	-	499	432	384	-	-	-	0.0	-5.6	-43.9	-	-	-	-	-	-	
300 Blackout	SUP300BLK ++	200	0.435	Open Tip	1060	1006	962	-	-	-	499	450	411	-	-	-	0.0	-5.4	-42.1	-	-	-	-	-	-	
300 Blackout	USA300BLKX ++	200	0.435	Open Tip	1060	1006	962	-	-	-	499	450	411	-	-	-	0.0	-5.4	-42.1	-	-	-	-	-	-	
300 Blackout	USA300BLK ++	125	0.267	Open Tip	2185	1895	1632	-	-	-	1325	997	739	-	-	-	-0.4	0	-7.0	-	-	-	-	-	-	
300 Blackout	RED300 ++	125	0.267	Open Tip	2185	1895	1632	-	-	-	1325	997	739	-	-	-	-0.4	0	-7.0	-	-	-	-	-	-	
300 Blackout (60 RD)	RED300VP++	125	0.267	Open Tip	2185	1895	1632	-	-	-	1325	997	739	-	-	-	-0.4	0	-7.0	-	-	-	-	-	-	
300 Blackout	X300BLKDS++	150	0.392	Deer Season XP	1900	1717	1548	-	-	-	1202	982	798	-	-	-	1.1	0	-9.0	-	-	-	-	-	-	
30-30 Winchester	SBST3030	150	0.232	Ballistic Silvertip	2390	2040	1723	1447	1225	1072	1902	1386	989	697	499	383	0.4	0	-7.5	-27.0	-63.0	3.8	0	-15.6	-47.9	-
30-30 Winchester	X30306BP	150	0.224	Power Max Bonded	2390	2028	1702	1420	1198	1052	1902	1370	965	672	478	368	0.4	0	-7.6	-27.4	-64.6	3.8	0	-16.0	-49.3	-
30-30 Winchester	X30303BP	170	0.247	Power Max Bonded	2200	1886	1604	1362	1173	1046	1827	1343	971	700	519	413	0.6	0	-9.0	-31.5	-73.0	4.5	0	-18.1	-55.1	-
30-30 Winchester	X3030DS	150	0.215	Deer Season XP	2390	2014	1677	1389	1168	1029	1902	1351	936	642	455	353	0.2	0	-7.2	-26.9	-64.7	3.6	0	-16.1	-50.4	-
30-30 Winchester	X30301	150	0.218	Hollow Point	2390	2019	1685	1398	1178	1036	1902	1357	945	651	462	357	0.5	0	-7.7	-27.9	-65.9	3.6	0	-16.0	-49.9	-
30-30 Winchester	X30306	150	0.218	Power-Point	2390	2019	1685	1398	1178	1036	1902	1357	945	651	462	357	0.5	0	-7.7	-27.9	-65.9	3.6	0	-16.0	-49.9	-
30-30 Winchester	X30303	170	0.241	Power-Point	2200	1879	1591	1346	1158	1034	1827	1332	955	683	506	404	0.6	0	-9.0	-32.0	-74.2	4.2	0	-18.1	-55.5	-
30-06 Springfield	S3006DSLF	150	0.387	Deer Season XP Copper Impact	2920	2680	2452	2236	2031	1837	2839	2392	2003	1665	1373	1124	-0.2	0	-3.4	-12.5	-28.6	1.7	0	-7.5	-21.9	-44.8
30-06 Springfield	S3006LR	190	0.597	Accubond LR	2750	2599	2453	2311	2174	2042	3190	2849	2537	2253	1994	1758	-0.1	0	-3.7	-13.1	-29.0	1.8	0	-7.6	-21.7	-43.2
30-06 Springfield	S3006CT	180	0.509	AccuBond CT	2750	2573	2403	2239	2082	1931	3022	2644	2308	2004	1732	1491	-0.1	0	-3.8	-13.5	-30.3	1.9	0	-7.9	-22.8	-45.6
30-06 Springfield	SBST3006	150	0.435	Ballistic Silvertip	2900	2687	2483	2289	2103	1926	2801	2404	2054	1745	1473	1236	-0.2	0	-3.3	-12.3	-27.9	1.7	0	-7.3	-21.2	-43.0
30-06 Springfield	SBST3006A	168	0.475	Ballistic Silvertip	2790	2599	2416	2240	2072	1911	2903	2520	2177	1872	1601	1362	-0.2	0	-3.6	-13.3	-29.8	1.8	0	-7.8	-22.5	-45.2
30-06 Springfield	SBST3006B	180	0.507	Ballistic Silvertip	2750	2572	2402	2237	2080	1928	3022	2644	2305	2001	1728	1486	-0.1	0	-3.8	-13.6	-30.3	1.9	0	-7.9	-22.8	-45.7
30-06 Springfield	X30061BP	150	0.325	Power Max Bonded	2920	2636	2368	2117	1882	1664	2839	2313	1868	1492	1179	922	-0.2	0	-3.5	-13.3	-30.8	1.8	0	-8.0	-23.8	-49.4
30-06 Springfield	X30064BP	180	0.394	Power Max Bonded	2700	2475	2262	2058	1866	1687	2913	2448	2044	1693	1392	1137	-0.1	0	-4.2	-15.2	-34.4	2.1	0	-8.9	-26.1	-53.2
30-06 Springfield	X3006DS	150	0.392	Deer Season XP	2920	2683	2458	2244	2041	1849	2839	2397	2012	1677	1387	1138	-0.2	0	-3.3	-12.5	-28.5	1.7	0	-7.4	-21.8	-44.5
30-06 Springfield	X																									



Cartridge	Symbol	Bullet Wt.		Type	Velocity in Feet Per Second (fps)					Energy in Foot Pounds (ft.-lbs.)					Trajectory, Short Range Yards				Trajectory, Long Range Yards							
		(Grs.)	B.C.		Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	200	300	400	100	200	300	400	500
300 Winchester Mag.	X300DSL	150	0.387	Deer Season XP Copper Impact	3260	3001	2756	2525	2305	2096	3539	2999	2530	2123	1769	1463	-0.3	0	-2.4	-9.3	-21.7	1.2	0	-5.8	-17.0	-34.8
300 Winchester Mag.	S300LR	190	0.640	AccuBond LR	2900	2754	2613	2476	2343	2214	3547	3200	2880	2586	2316	2068	-0.2	0	-3.1	-11.3	-25.1	1.5	0	-6.6	-18.0	-37.6
300 Winchester Mag.	S300WMCT	180	0.509	AccuBond CT	2950	2765	2588	2417	2253	2095	3478	3055	2676	2334	2028	1754	-0.2	0	-3.0	-11.3	-25.5	1.5	0	-6.7	-19.4	-39.0
300 Winchester Mag.	SBST300	180	0.507	Ballistic Silvertip	2950	2764	2586	2415	2250	2092	3478	3054	2673	2331	2023	1749	-0.2	0	-3.0	-11.3	-25.5	1.5	0	-6.7	-19.4	-38.9
300 Winchester Mag.	X30WM1BP	150	0.325	Power Max Bonded	3290	2981	2693	2422	2168	1929	3605	2959	2415	1954	1565	1239	-0.3	0	-2.4	-9.7	-22.9	1.2	0	-6.0	-18.0	-37.4
300 Winchester Mag.	X30WM2BP	180	0.394	Power Max Bonded	2960	2722	2496	2281	2077	1884	3501	2961	2490	2080	1724	1419	-0.2	0	-3.2	-12.0	-27.5	1.6	0	-7.2	-21.1	-43.1
300 Winchester Mag.	X300DS	150	0.392	Deer Season XP	3260	3004	2762	2534	2316	2109	3539	3005	2541	2138	1786	1481	-0.3	0	-2.4	-9.3	-21.6	1.2	0	-5.7	-16.9	-34.6
300 Winchester Mag.	X30WM1	150	0.294	Power-Point	3290	2950	2634	2340	2065	1813	3605	2898	2311	1824	1420	1095	-0.3	0	-2.5	-10.1	-24.0	1.3	0	-6.3	-19.0	-39.3
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	-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	-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	-46.2
308 Winchester	SBST308A	168	0.474	Ballistic Silvertip	2670	2484	2306	2134	1971	1815	2659	2301	1983	1699	1449	1229	-0.1	0	-4.1	-14.8	-33.2	2.1	0	-8.6	-24.8	-50.0
308 Winchester	S308M	168	0.453	Match BTHP	2680	2485	2297	2118	1948	1786	2680	2303	1970	1674	1415	1190	-0.1	0	-4.1	-14.9	-33.4	2.1	0	-8.7	-25.1	-50.7
308 Winchester	X3085BP	150	0.325	Power Max Bonded	2820	2542	2280	2034	1808	1594	2648	2152	1731	1378	1089	846	-0.1	0	-3.9	-14.5	-32.9	2.0	0	-8.7	-25.1	-53.6
308 Winchester	X3086BP	180	0.394	Power Max Bonded	2620	2399	2189	1990	1803	1627	2743	2300	1915	1582	1300	1058	-0.1	0	-4.6	-16.4	-36.6	2.3	0	-9.6	-27.5	-57.0
308 Winchester	X308DSL	150	0.387	Deer Season XP Copper Impact	2810	2576	2353	2142	1942	1754	2629	2209	1844	1528	1255	1024	-0.2	0	-3.8	-13.8	-31.5	1.9	0	-8.2	-23.9	-49.0
308 Winchester	X308DS	150	0.392	Deer Season XP	2820	2588	2368	2158	1960	1773	2648	2231	1867	1551	1279	1046	-0.2	0	-3.7	-13.6	-31.0	1.9	0	-8.1	-23.6	-48.3
308 Winchester	SUP308	168	0.357	Open Tip	1060	996	945	-	-	-	419	370	333	-	-	-	0.0	-6.7	-46.8	-	-	-	-	-	-	
308 Winchester	RED308	168	0.327	Open Tip	2680	2412	2159	1922	1703	1504	2679	2169	1739	1378	1082	844	-0.1	0.0	-4.5	-16.5	-37.9	2.3	0.0	-9.7	-28.9	-60.2
<b>308 Winchester (60 RD) RED308BP</b>	<b>168 0.327</b>	<b>Open Tip</b>	<b>2680 2412 2159 1922 1703 1504</b>	<b>2679 2169 1739 1378 1082 844</b>	<b>-0.1 0.0 -4.5 -16.5 -37.9</b>	<b>2.3 0.0 -9.7 -28.9 -60.2</b>																				
308 Winchester	X308SUBX	185	0.283	Super-X Subsonic	1060	982	922	-	-	-	461	396	349	-	-	-	0.0	-6.8	-48.2	-	-	-	-	-	-	
308 Winchester	X3085	150	0.294	Power-Point	2820	2513	2227	1960	1713	1492	2648	2104	1651	1279	977	742	-0.1	0	-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	2743	2287	1892	1553	1264	1023	-0.1	0	-4.6	-16.6	-37.5	2.3	0	-9.7	-28.3	-58.0
308 Winchester	USA3081	147	0.415	Full Metal Jacket	2800	2582	2374	2176	1987	1812	2559	2176	1840	1545	1289	1072	-0.1	0	-3.7	-13.6	-30.9	1.9	0	-8.0	-23.5	-46.6
7.62 x 51mm NATO	Q3130	147	0.415	Full Metal Jacket	2750	2534	2329	2132	1946	1770	2468	2096	1770	1484	1236	1023	0.2	0	-4.5	-15.5	-34.1	2.0	0	-8.4	-24.4	-49.7
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 Special	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	-
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	3939	3336	2808	2347	1948	1609	-0.2	0	-3.6	-13.3	-30.2	1.8	0	-7.9	-23.0	-46.2
325 WSM	X325WSM	220	0.388	Power-Point	2840	2605	2382	2169	1968	1779	3941	3316	2772	2300	1893	1547	-0.2	0	-3.6	-13.4	-30.6	1.8	0	-8.0	-23.3	-47.6
338 Winchester Mag.	S338CT	225	0.548	AccuBond CT	2800	2634	2474	2319	2170	2026	3918	3467	3058	2688	2353	2052	-0.2	0	-3.5	-12.7	-28.4	1.8	0	-7.4	-21.3	-42.6
338 Winchester Mag.	X3381BP	200	0.323	Power Max Bonded	2960	2671	2400	2146	1907	1686	3890	3169	2559	2044	1614	1262	-0.2	0	-3.4	-12.8	-29.9	1.7	0	-7.8	-23.1	-48.1
338 Winchester Mag.	X3381	200	0.308	Power-Point	2960	2658	2375	2110	1862	1635	3890	3137	2505	1977	1539	1187	-0.2	0	-3.4	-13.1	-30.6	2.0	0	-8.2	-24.3	-50.4
338 Lapua Magnum	S338LCT	300	0.720	AccuBond CT	2650	2527	2407	2291	2178	2067	4677	4253	3860	3495	3158	2847	-0.1	0	-3.9	-13.9	-30.5	2.0	0	-8.0	-22.6	-44.5
338 Lapua Magnum	S338LM	250	0.587	Match BTHP	2900	2741	2588	2439	2296	2157	4668	4170	3716	3302	2925	2582	-0.2	0	-3.1	-11.5	-25.6	1.6	0	-6.8	-19.4	-38.6
348 Winchester	X3484	200	0.246	Power-Point	2520	2179	1866	1585	1346	1161	2820	2109	1546	1116	804	598	0.0	0	-5.9	-21.8	-51.8	2.9	0	-13.0	-40.0	-86.3
35 Remington	X35R1	200	0.193	Power-Point	2020	1646	1335	1114	985	901	1812	1203	791	551	431	360	0.9	0	-12.1	-43.9	-	5.8	0	-25.4	-78.7	-
350 Legend	USA3501•	145	0.183	Full Metal Jacket	2350	1916	1539	1241	-	-	1778	1182	763	496	-	-	0.2	0	-8.1	-31.2	-	-	-	-	-	
350 Legend	X350DS•	150	0.223	Deer Season XP	2325	1968	1647	1373	-	-	1800	1289	903	628	-	-	0.2	0	-7.6	-28.1	-	-	-	-	-	
350 Legend	SUP350•	255	0.221	Super Suppressed	1060	963	893	-	-	-	636	525	451	-	-	-	0	-7.0	-50.0	-	-	-	-	-	-	
350 Legend	X3501BP•	160	0.202	Power Max Bonded																						



# CENTERFIRE HANDGUN

From 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 add yet another threat stopping offering to Winchester's most comprehensive line of personal defense ammunition ▶*



## PERSONAL DEFENSE

**DEFENDER.** **WIN**  **1911.** **SILVERTIP®**

## TRAINING/COMPETITION


**MADE IN  
USA**

**SUPER  
CLEAN.**

**SUPER  
SUPPRESSED™**

**USA  
READY**

**USA  
FORGED.**

Cartridge	Symbol	Bullet Wt. (Grs.)	Type	User Guide	Velocity (fps); Yards			Energy (ft.-lbs.); Yards			Barrel Length Inches
					Muzzle	5	25	Muzzle	5	25	
25 Automatic	X25AXP	45	Expanding Point	PP	815	806	770	66	65	59	2
25 Automatic	Q4203	50	Full Metal Jacket	T	760	754	733	64	63	60	2
32 Smith & Wesson	32BL2PW	-	Smoke & Noise Blank	-	-	-	-	-	-	-	-
32 Smith & Wesson	X32SWP	85	Lead-Round Nose	T	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	T	905	900	879	129	128	122	4
380 Automatic	S380PDB	95	Defender	PP	1000	991	960	211	207	194	3¾
<b>380 Automatic</b>	<b>W380ST</b>	<b>85</b>	<b>Silvertip HP</b>	<b>PP</b>	<b>1000</b>	<b>991</b>	<b>958</b>	<b>189</b>	<b>185</b>	<b>173</b>	<b>3¾</b>
380 Automatic	WC3801	95	WinClean (BEB)	T	955	947	916	192	189	177	3¾
380 Automatic	USA380JHP	95	Jacketed Hollow Point	PP	955	948	921	192	189	179	3¾
380 Automatic	Q4206	95	Full Metal Jacket Flat Nose	T	955	945	907	192	188	173	3¾
380 Automatic (100 RD)	USA380VP	95	Full Metal Jacket Flat Nose	T	955	945	907	192	188	173	3¾
380 Automatic (200 RD)	USA380W	95	Full Metal Jacket Flat Nose	T	955	945	907	192	188	173	3¾
<b>38 Special</b>	<b>W38ST</b>	<b>110</b>	<b>Silvertip HP</b>	<b>PP</b>	<b>945</b>	<b>939</b>	<b>918</b>	<b>218</b>	<b>216</b>	<b>206</b>	<b>4V</b>
38 Special	X38SMRP	148	Lead-Wad Cutter	T	710	702	671	166	162	148	4V
38 Special	X38S1P	158	Lead-Round Nose	T	755	752	739	200	198	191	4V
38 Special	X38WCPSV	158	Lead-Semi WC	T	755	751	738	200	198	191	4V
 38 Special	SC38NT	110	Jacketed Flat Point	T	975	967	938	232	228	215	4V
38 Special	USA38CB	158	Lead	T	800	796	780	224	222	213	4V
38 Special	WC381	125	WinClean (BEB)	T	775	772	758	167	165	160	4V
38 Special	USA38SP	125	Jacketed Flat Point	T	850	845	826	201	198	189	4V
38 Special	Q4171	130	Full Metal Jacket	T	800	796	782	185	183	177	4V
38 Special	USA38SPVP	130	Full Metal Jacket	T	800	796	782	185	183	177	4V
38 Special	Q4196	150	Lead Round Nose	T	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	T	685	682	668	151	150	144	4
38 Super Automatic +P	Q4205	130	Full Metal Jacket	T/PP	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	PP	1645	1608	1467	511	488	406	4¾
9mm Makarov	MC918M	95	Full Metal Jacket	T	1015	1005	971	217	213	199	4
9mm Luger +P	S9MMPDB	124	Defender	PP	1200	1188	1143	396	389	360	4
9mm Luger	S9MMPDB1	147	Defender	PP	1000	995	976	326	323	311	4
<b>9mm Luger</b>	<b>W9MMST</b>	<b>115</b>	<b>Silvertip HP</b>	<b>PP</b>	<b>1225</b>	<b>1210</b>	<b>1154</b>	<b>383</b>	<b>374</b>	<b>340</b>	<b>4</b>
<b>9mm Luger</b>	<b>W9MMST2</b>	<b>147</b>	<b>Silvertip HP</b>	<b>PP</b>	<b>1010</b>	<b>1005</b>	<b>985</b>	<b>333</b>	<b>329</b>	<b>316</b>	<b>4</b>





A LOOK INSIDE

# 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.

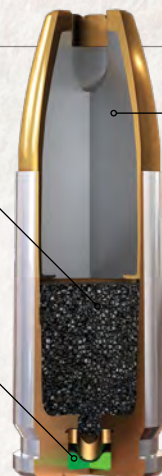
## DEFENDER.

### 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.



Cartridge	Symbol	Bullet Wt. (Grs.)	Type	User Guide	Velocity (fps): Yards			Energy (ft.-lbs.): Yards			Barrel Length Inches
					Muzzle	5	25	Muzzle	5	25	
9mm Luger	WC91	115	WinClean (BEB)	T	1190	1178	1135	362	354	329	4
9mm Luger	WC92	124	WinClean (BEB)	T	1130	1121	1086	352	346	325	4
9mm Luger	WC93	147	WinClean (BEB)	T	990	985	967	320	317	305	4
9mm Luger	W9MMLF	90	Super Clean (ZFMJ)	T	1325	1300	1215	351	339	296	4
9mm Luger	SUP9	147	Super Suppressed FMJ (BEB)	T	990	985	967	320	317	305	4
9mm Luger	RED9	115	Full Metal Jacket-Flat Nose	T	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	T	1190	1176	1125	362	353	323	4
9mm Luger (150 RD)	WIN9S	115	USA Forged	T	1190	1176	1125	362	353	323	4
9mm Luger	Q4172	115	Full Metal Jacket	T	1190	1176	1125	362	353	323	4
9mm Luger (100 RD)	USA9MMVP	115	Full Metal Jacket	T	1190	1176	1125	362	353	323	4
9mm Luger (200 RD)	USA9W	115	Full Metal Jacket	T	1190	1176	1125	362	353	323	4
9mm Luger	USA9MM	124	Full Metal Jacket	T	1140	1130	1091	358	351	328	4
9mm Luger	USA9MM1	147	Full Metal Jacket-Flat Nose	T	990	985	967	320	317	305	4
9mm NATO	Q4318	124	Full Metal Jacket	T	1200	1188	1142	396	388	359	4
9mm	WIN9MHSC	115	Full Metal Jacket-Flat Nose	T	1320	1301	1232	445	432	387	4
9 X 23 Winchester	Q4304	124	Jacketed Flat Point	T	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	W357ST	145	Silvertip HP	PP	1290	1275	1219	536	523	478	4V
357 Magnum	WC3571	125	WinClean (BEB)	T	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	WinClean (BEB)	T	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	T	1350	1331	1262	506	492	442	4
40 Smith & Wesson	S40SWPDB	165	Defender	PP	1140	1129	1091	476	467	436	4
40 Smith & Wesson	W40SWST	155	Silvertip HP	PP	1205	1192	1146	500	489	452	4
40 Smith & Wesson	RED40	165	Full Metal Jacket-Flat Nose	T	1060	1053	1025	412	406	385	4
40 Smith & Wesson	WC401	165	WinClean (BEB)	T	1130	1121	1089	468	461	435	4
40 Smith & Wesson	WC402	180	WinClean (BEB)	T	990	985	965	392	388	372	4
40 Smith & Wesson	W40SWLF	120	Super Clean (ZFMJ)	T	1250	1230	1165	416	404	362	4
40 Smith & Wesson	USA40SW	165	Full Metal Jacket-Flat Nose	T	1060	1053	1029	412	407	388	4
40 Smith & Wesson	USA40SWVP	165	Full Metal Jacket-Flat Nose	T	1060	1053	1029	412	407	388	4
40 Smith & Wesson (200 RD)	USA40W	165	Full Metal Jacket-Flat Nose	T	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	T	1020	1014	993	416	411	394	4



Cartridge	Symbol	Bullet Wt. (Grs.)	Type	User Guide	Velocity (fps); Yards			Energy (ft.-lbs.); Yards			Barrel Length Inches
					Muzzle	5	25	Muzzle	5	25	
<b>10mm Automatic</b>	<b>W10MMST</b>	<b>175</b>	<b>Silvertip HP</b>	<b>PP</b>	<b>1200</b>	<b>1185</b>	<b>1130</b>	<b>559</b>	<b>546</b>	<b>496</b>	<b>5½</b>
10mm Automatic	USA10MM	180	Full Metal Jacket-Flat Nose	T	1080	1073	1045	466	460	437	5½
10mm Automatic	S10MMPDB	180	Defender	PP	1240	1255	1170	614	600	547	5½
44-40 Winchester	USA4440CB	180	Lead	T	750	747	736	281	279	271	4V
44 Smith & Wesson Spl	USA44CB	240	Lead	T	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	T	755	752	739	311	309	299	6½V
45 Automatic	S45PDB	230	Defender	PP	920	916	900	432	428	414	5
45 Automatic	W45LF	160	Super Clean (ZFMJ)	T	1100	1089	1050	430	421	392	5
45 Automatic	SUP45	230	Super Suppressed FMJ (BEB)	T	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	T	880	876	860	395	392	377	5
45 Automatic	RED45	230	Full Metal Jacket-Flat Nose	T	880	876	860	395	392	377	5
<b>45 Automatic</b>	<b>W45AST</b>	<b>185</b>	<b>Silvertip HP</b>	<b>PP</b>	<b>1000</b>	<b>993</b>	<b>967</b>	<b>411</b>	<b>405</b>	<b>384</b>	<b>5</b>
45 Automatic	WC451	185	WinClean (BEB)	T	910	902	870	340	334	311	5
45 Automatic	WC452	230	WinClean (BEB)	T	835	832	819	356	353	342	5
45 Automatic	USA45A	185	Full Metal Jacket-Flat Nose	T	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	T	835	831	817	356	353	341	5
45 Automatic (100 RD)	USA45AVP	230	Full Metal Jacket	T	835	831	817	356	353	341	5
45 Automatic (200 RD)	USA45W	230	Full Metal Jacket	T	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	5½V
45 Colt	X45CP2	255	Lead Flat Nose	T	860	856	837	419	414	398	5½V
45 Colt	USA45CB	250	Lead	T	750	747	735	312	310	300	5½V

## CENTERFIRE HANDGUN HUNTING

Cartridge	Symbol	Bullet Wt. (Grs.)	Type	User Guide	Velocity (fps); Yards			Energy (ft.-lbs.); Yards			Barrel Length Inches		
					Muzzle	50	100	175	Muzzle	50		100	175
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	H	1250	1151	1075	991	833	706	706	523	6½V
41 Rem Magnum	X41MSTHP2	175	Silvertip HP	H/PP	1250	1120	1029	935	607	488	488	340	4V
44 Rem Magnum #	S44RMDDB	240	Dual Bond	H	1300	1183	1092	996	900	745	745	529	6½V
44 Rem Magnum #	S44PTHP	250	Platinum Tip	H	1250	1148	1070	985	867	732	732	539	6½V
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	H	1180	1081	1010	931	741	623	623	462	4V
44 Rem Magnum	Q4240	240	Jacketed Soft Point	H	1180	1081	1010	930	741	623	623	461	4V
45 Winchester Magnum	X45WMA	260	Jacketed HP	H	1200	1099	1026	945	831	698	698	516	5
454 Casull	S454DB	260	Dual Bond	H	1800	1605	1430	1214	1870	1488	1488	851	7½V
454 Casull	S454PTHP	260	Platinum Tip	H	1800	1596	1414	1194	1870	1470	1470	824	7½V
454 Casull	X454C3	250	Jacketed Hollow Point	H	1300	1151	1047	945	938	735	735	495	7½V
460 Smith & Wesson Mag	S460SWDB	260	Dual Bond	H	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	H	1725	1573	1435	1256	2477	2061	2061	1313	83/8V
500 Smith & Wesson Mag	S500PTHP	400	Platinum Tip	H	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





# SHOTSHELL

When it comes to technology-driven and high-quality shotshell ammunition products, Winchester is clearly an industry leader. Launching innovative products in target shooting, personal defense, waterfowl, turkey and upland hunting, Winchester continues to demonstrate its ability to invent ammunition that improves the overall hunting and shooting experience.



## TARGET/CLAYS



## WATERFOWL



## TURKEY



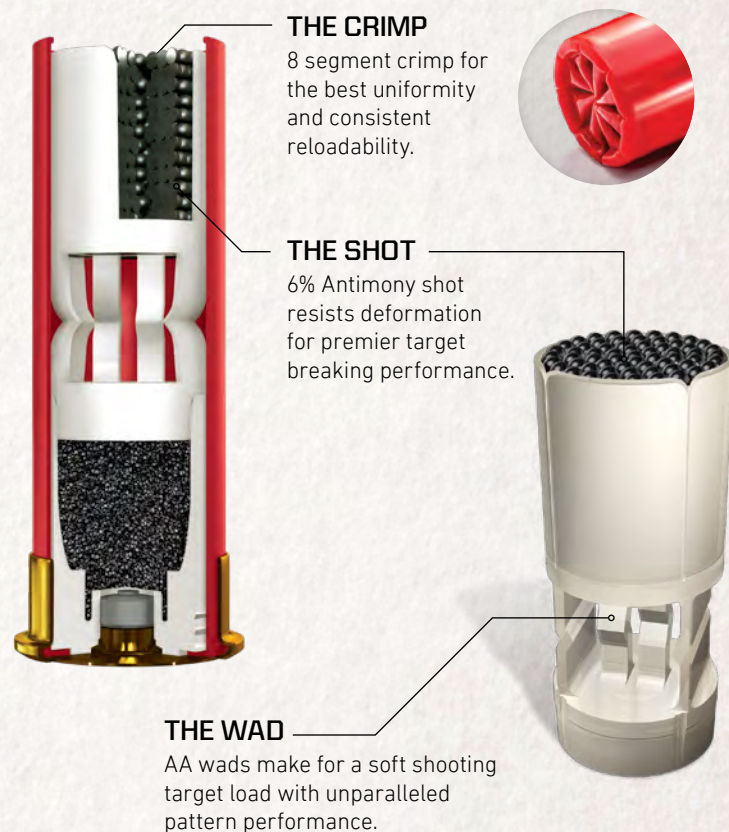
Gauge	Symbol	Load Description	Length of Shell In.	Powder Dram Equivalent	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>TARGET SHOOTING</b>							
<b>AA® DIAMOND GRADE</b>							
12 GAUGE	AADGL12507	Diamond Grade	2¾	3	1250	1	7½
12 GAUGE	AADGL13507	Diamond Grade	2¾	3½	1350	1	7½
12 GAUGE	AADG12507	Diamond Grade	2¾	3	1250	1 ¼	7½
12 GAUGE	AADG13007	Diamond Grade	2¾	3¾	1300	1 ¼	7½
<b>AA® TRAACCKER</b>							
12 GAUGE	AA128T0	Orange Wad - Overcast/Dark	2¾	2¾	1145	1½	8
12 GAUGE	AA128TB	Black Wad - Clear Sky	2¾	2¾	1145	1½	8
12 GAUGE	AAM127T0	Orange Wad - Overcast/Dark	2¾	3	1200	1½	7½
12 GAUGE	AAM127TB	Black Wad - Clear Sky	2¾	3	1200	1½	7½
12 GAUGE	AAHA127T0	Orange Wad - Overcast/Dark	2¾	3	1250	1½	7½
12 GAUGE	AAHA127TB	Black Wad - Clear Sky	2¾	3	1250	1½	7½
12 GAUGE	AASC127T0	Orange Wad - Overcast/Dark	2¾	3 ¼	1300	1½	7½
12 GAUGE	AASC127TB	Black Wad - Clear Sky	2¾	3 ¼	1300	1½	7½
20 GAUGE	AASC207T0	Orange Wad - Overcast/Dark	2¾	3	1300	¾	7½
20 GAUGE	AASC207TB	Black Wad - Clear Sky	2¾	3	1300	¾	7½
<b>AA® TARGET</b>							
12 GAUGE	AA12SP7	Super-Pigeon	2¾	3¾	1220	1 ¼	7½
12 GAUGE	AAHA12	Super-Handicap	2¾	3	1250	1½	7½, 8
12 GAUGE	AAHLA12	Light Handicap	2¾	3¾	1290	1	7½, 8
12 GAUGE	AAM12	Heavy Target	2¾	3	1200	1½	7½, 8, 9
12 GAUGE	AA12	Light Target	2¾	2¾	1145	1½	7½, 8, 8½, 9
12 GAUGE	AAL12	Xtra-Lite	2¾	2¾	1180	1	7½, 8, 8½, 9
RR 12 GAUGE	AA12FL	Low Recoil	2¾	1¾	980	26 gm	8
12 GAUGE	AANL12	International	2¾	3¾	1325	24 gm	7½, 9
20 GAUGE	AAH20	Heavy Target	2¾	2½	1165	1	7½, 8
20 GAUGE	AA20	Target	2¾	2½	1200	¾	8, 9
RR 20 GAUGE	AA20FL8	Low Recoil	2¾	1½	980	¾	8
28 GAUGE	AA28	Target	2¾	2	1200	¾	8, 9
410 GAUGE	AA419	Target	2½	Max	1200	½	9
<b>AA® SPORTING CLAYS</b>							
12 GAUGE	AASC12	Sporting Clays	2¾	3¾	1300	1½	7½, 8, 9
12 GAUGE	AASC12	Sporting Clays	2¾	3½	1350	1	7½, 8
12 GAUGE	AASC12S	Sporting Clays	2¾	-	1450	1	7 Steel, 8 Steel
12 GAUGE	AASC1250	Sporting Clays	2¾	3	1250	1	7½
20 GAUGE	AASC20	Sporting Clays	2¾	3	1300	¾	7½, 8
28 GAUGE	AASC28	Sporting Clays	2¾	Max	1300	¾	7½, 8, 8½
410 GAUGE	AASC41	Sporting Clays	2½	Max	1300	½	7½, 8, 8½
<b>USA SUPER TARGET</b>							
12 GAUGE	TRGT12M	Heavy Target	2¾	3	1200	1½	7½, 8
12 GAUGE	TRGT12S7	Heavy Target	2¾	3	1200	1½	7 Steel
12 GAUGE	TRGT12	Light Target	2¾	2¾	1145	1½	7½, 8
12 GAUGE	TRGTL12	Xtra-Lite Target	2¾	2¾	1180	1	7½, 8, 9
12 GAUGE	TRGT1150	Light Target	2¾	2¾	1150	1	7½
12 GAUGE	TRGT1200	Light Target	2¾	3	1200	1	7½
12 GAUGE	TRGT1250	Light Target	2¾	3	1250	1	7½, 8
12 GAUGE	TRGT1290	Light Target	2¾	3¾	1290	1	7½, 8
12 GAUGE	TRGT1350	Light Target	2¾	3½	1350	1	7½, 8
20 GAUGE	TRGT20	Target	2¾	2½	1200	¾	7½, 8

## A LOOK INSIDE

# THE TARGET LOAD



Winchester target loads have been winning competitions for over 100 years, utilizing the best components available on the market. Since 1965 the Winchester AA line, like the example below has been the gold standard for target loads.





Gauge	Symbol	Load Description	Length of Shell In.	Powder Dram Equivalent	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>TARGET [Cont.]</b>							
<b>SUPER-X® XPRT STEEL</b>							
12 GAUGE	WE12GTH	Xpert Hi-Velocity Steel	2¾	-	1280	1½	6, 7
12 GAUGE	WE12GT	Xpert Hi-Velocity Steel	2¾	-	1325	1	6, 7
16 GAUGE	WE16GT6	Xpert Hi-Velocity Steel	2¾	-	1350	1¼	6
20 GAUGE	WE20GT	Xpert Hi-Velocity Steel	2¾	-	1325	¾	6, 7
28 GAUGE	WE28GT	Xpert Hi-Velocity Steel	2¾	-	1300	¾	6, 7
410 GAUGE	WE413GT	Xpert Hi-Velocity Steel	3	-	1400	¾	6

## WATERFOWL

<b>BLIND SIDE™ STEEL HEX WATERFOWL LOADS</b>							
<b>MAGNUM</b>							
12 GAUGE	SBS12L	Magnum	3½		1400	1%	BB, 1, 2, 3
12 GAUGE	SBS123	Magnum	3		1400	1%	BB, 1, 2, 3, 5
20 GAUGE	SBS203	Magnum	3		1300	1¼	2, 5
<b>HIGH VELOCITY</b>							
12 GAUGE	SBS123HV	High Velocity	3		1675	1%	2, 3
<b>DRYLOK SUPER STEEL® WATERFOWL LOADS – PLATED</b>							
10 GAUGE	SSH10	High Velocity	3½		1450	1%	BBB, BB, 2
10 GAUGE	XSC10	Magnum	3½		1350	1%	T, BBB, BB, 2
12 GAUGE	SSH12LH	High Velocity	3½		1475	1½	BBB, BB, 2, 3
12 GAUGE	XSM12L	Magnum	3½		1300	1¼	BB, 1, 2, 3
12 GAUGE	XSC12L	Magnum	3½		1300	1¼	T, BBB
12 GAUGE	SSH123	High Velocity	3		1450	1¼	BB, 2, 3, 4
12 GAUGE	XSC123	Magnum	3		1400	1¼	T, BBB
12 GAUGE	XSM123	Magnum	3		1300	1%	BB, 2, 3, 4
12 GAUGE	XSV123	Magnum	3		1400	1¼	BB, 2, 3, 4
12 GAUGE	XSM12	Magnum	2¾		1300	1¼	2, 4
20 GAUGE	XSM203	Magnum	3		1330	1	2, 3, 4
20 GAUGE	XS204	High Velocity	2¾		1425	¾	4
<b>SUPER-X® XPRT STEEL WATERFOWL LOADS</b>							
12 GAUGE	WEX12L	Xpert Hi-Velocity Steel	3½		1550	1½	BB, 2, 3
12 GAUGE	WEX12LM	Xpert Hi-Velocity Steel	3½		1625	1¼	BB, 2
12 GAUGE	WEX123M	Xpert Hi-Velocity Steel	3		1625	1¼	2, 3
12 GAUGE	WEX123H	Xpert Hi-Velocity Steel	3		1400	1¼	BB, 1, 2, 3, 4
12 GAUGE	WEX123	Xpert Hi-Velocity Steel	3		1550	1%	BB, 2, 3, 4
12 GAUGE	WEX12H	Xpert Hi-Velocity Steel	2¾		1400	1¼	BB, 2, 3, 4, 6
12 GAUGE	WEX12	Xpert Hi-Velocity Steel	2¾		1550	1¼	BB, 2, 3, 4
20 GAUGE	WEX203	Xpert Hi-Velocity Steel	3		1500	¾	2, 4

<b>XPRT SNOW GOOSE</b>							
12 GAUGE	WXS123BB	Xpert Snow Goose	3		1475	1¼	BB
12 GAUGE	WXS12312	Xpert Snow Goose	3		1475	1¼	1+2
12 GAUGE	WXS12LBB	Xpert Snow Goose	3½		1550	1%	BB
12 GAUGE	WXS12L12	Xpert Snow Goose	3½		1550	1%	1+2

## UPLAND & SMALL GAME

<b>ROOSTER XR</b>							
12 GAUGE	SRXR12	Shot-Lok Technology	2¾		1300	1¼	4, 5, 6
12 GAUGE	SRXR123	Shot-Lok Technology	3		1300	1¼	4, 5, 6
12 GAUGE	SRXR123HV	Shot-Lok Technology	3		1450	1¼	5, 6

<b>SUPER PHEASANT*</b>							
12 GAUGE	X123PH	Magnum	3		1350	1%	4, 5
12 GAUGE	X12PH	Magnum	2¾		1300	1%	4, 5, 6
12 GAUGE	X12PHV	High Velocity	2¾		1450	1%	4, 5, 6
20 GAUGE	X203PH	Magnum	3		1250	1¼	4, 5, 6
20 GAUGE	X20PH	High Velocity	2¾		1300	1	5, 6

<b>SUPER-X® HIGH BRASS GAME</b>							
12 GAUGE	X12P	Pheasant	2¾		1220	1¼	4, 5
12 GAUGE	X12	Heavy Game	2¾		1330	1¼	4, 5, 6, 7½, 8
16 GAUGE	X16H	Heavy Game	2¾		1295	1%	4, 6, 7½
20 GAUGE	X20	Heavy Game	2¾		1220	1	4, 5, 6, 7½, 8
20 GAUGE	X20P	Pheasant	2¾		1165	1	5
28 GAUGE	X28	Heavy Game	2¾		1295	¾	5, 6
28 GAUGE	X28H	Heavy Game	2¾		1205	1	5, 6, 7½, 8
410 GAUGE	X413H	Heavy Game	3		1100	¾	4, 6, 7½, 8½
410 GAUGE	X413	Heavy Game	3		1135	1¼	4, 6, 7½
410 GAUGE	X41	Heavy Game	2½		1245	½	4, 6, 7½

## 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.



**BLIND SIDE**

### THE SHOT

Hex Steel shot is six sided, multiple-edged shot that provides increased trauma and wound channel, resulting in fast kills.




### THE WAD

Diamond cut wad is designed to maximize pattern performance of hex shot.

### 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
	15-40 yds	4, 5, 6	IC/Mod	12, 20, 28
<b>DUCK (SMALL)</b>				
	10-40 yds	BB, 1, 2, 3	Mod/Imp. Mod	10, 12, 20
<b>DUCK (LARGE)</b>				
	10-45 yds	T, BBB, BB	Mod/Imp. Mod	10, 12
<b>GOOSE</b>				





Gauge	Symbol	Load Description	Length of Shell In.	Powder Dram Equivalent	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>UPLAND &amp; SMALL GAME (Cont.)</b>							
<b>SUPER-X® GAME</b>							
12 GAUGE	XU12SP	Heavy Game	2¾		1220	1¼	7½, 8
12 GAUGE	XU12H	Heavy Game	2¾		1255	1½	4, 6, 7½, 8
12 GAUGE	XU12	Game	2¾		1290	1	6, 7½, 8
16 GAUGE	XU16	Game	2¾		1165	1	6, 8
20 GAUGE	XU20H	Heavy Game	2¾		1165	1	6, 7½, 8
20 GAUGE	XU20	Game	2¾		1210	¾	6, 7½, 8

**TURKEY**

**XTENDED RANGE BISMUTH**

12 GAUGE	XR12B	Shot-Lok Technology	3		1200	1 5/8	5
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**LONGBEARD XR LEAD TURKEY LOADS**

12 GAUGE	STLB12L	Shot-Lok Technology	3½		1200	2	4, 5, 6
12 GAUGE	STLB123	Shot-Lok Technology	3		1200	1¾	4, 5, 6
12 GAUGE	STLB12	Shot-Lok Technology	2¾		1300	1¼	4, 5, 6
12 GAUGE	STLB12LM	Shot-Lok Technology	3½		1050	2½	4, 5, 6
12 GAUGE	STLB123M	Shot-Lok Technology	3		1050	1½	4, 5, 6
20 GAUGE	STLB203	Shot-Lok Technology	3		1000	1¼	5, 6

**DOUBLE-X® TURKEY LOADS COPPER PLATED, BUFFERED**

10 GAUGE	STH10	High Velocity	3½		1300	2	4, 5
12 GAUGE	STH1235	High Velocity	3½		1300	2	4, 5
12 GAUGE	STH123	High Velocity	3		1300	1¾	4, 5
20 GAUGE	X203XCT	Magnum	3		1185	1¼	4, 5
20 GAUGE	STH203	High Velocity	3		1200	1½	4, 5

**SUPER-X® TURKEY LOADS BUFFERED**

12 GAUGE	X123MT	Magnum	3		1210	1½	4, 5
12 GAUGE	X12MT	Magnum	2¾		1260	1½	4, 5

**PERSONAL DEFENSE**

**DEFENDER®**

12 GAUGE	S12PDX1S	Personal Defense	2¾		1600	1 oz.	Segmenting Slug
12 GAUGE	S12PDX1	Personal Defense	2¾		1150	-	Slug/Buck
20 GAUGE	S20PDX1S	Personal Defense	2¾		1600	¾ oz.	Segmenting Slug
410 GAUGE	S413PDX1	Personal Defense	3		750	-	4DD/16BB
410 GAUGE	S410PDX1	Personal Defense	2½		750	-	3DD/12BB
410/45 Colt	S41045PD	Personal Defense	410/45 Combo Pack		750/850	-	3DD/12BB/45 Colt

**VARMINT**

**VARMINT X**

12 GAUGE	X123VBB	Varmint-X	3		1300	1 1/2	BB
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**DOUBLE X BUCKSHOT COPPER PLATED, BUFFERED**

12 GAUGE	SB12L00	High Velocity	3½		1450	15 Pellets	00 Buck
12 GAUGE	SB12300	High Velocity	3		1450	12 Pellets	00 Buck
12 GAUGE	SB1200	High Velocity	2¾		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	3½		1200	18 Pellets	00 Buck
12 GAUGE	XB12L4	Buffered Buckshot	3½		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	2¾		1325	9 Pellets	00 Buck
12 GAUGE	XB121	Buffered Buckshot	2¾		1250	16 Pellets	1 Buck
12 GAUGE	XB124	Buffered Buckshot	2¾		1325	27 Pellets	4 Buck
20 GAUGE	XB203	Buffered Buckshot	2¾		1200	20 Pellets	3 Buck
410 GAUGE	XB413	Buffered Buckshot	3		1135	5 Pellets	000 Buck
410 GAUGE	XB41000	Buffered Buckshot	2½		1300	3 Pellets	000 Buck

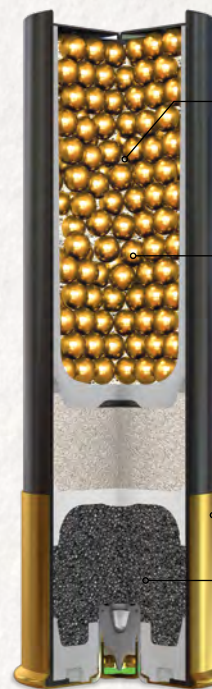
**SUPER-X® TRIALS & BLANKS**

12 GAUGE	XP12	Smokeless Powder	2¾	-	Blank	-	
10 GAUGE	XBP10W	Smoke Blank	2¾	-	Blank	-	
12 GAUGE	XBP12W	Smoke Blank	2¾	-	Blank	-	

**A LOOK INSIDE**

**THE TURKEY LOAD**

Winchester loads have produced decades of success in the turkey woods. Long Beard XR continues to break records each year, but take a gander at our Double X Turkey loads, the load that inspired every turkey load that came after it.



**DoubleX**

**THE BUFFERING**

Grex buffering reduces set-back forces on shot, improving pattern performance.

**THE SHOT**

Copper plated shot for improved down range pattern performance.

**THE HEAD**

High base brass-plated steel head for consistent functioning in a wide range of firearms.

**THE POWDER**

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

STANDARD SHOT SIZES	DENSITY	●	●	●	●	●	●	●	
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	3	2	1	B	BB	BBB	T	
Diameter In Inches	.14	.15	.16	.17	.18	.19	.20	
Pellets/Oz., Steel	7.9*	153	125	103	-	72	61	53
Pellets/Oz., Lead	11.0*	-	87	-	-	50	-	-

\* Grams per cubic centimeter

**BUCKSHOT SIZES**

	●	●	●	●	●	●
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

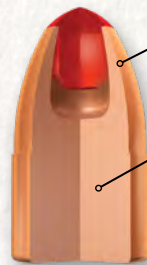


## SLUGS

Symbol	Brand/Slug Type	Slug Grs./Oz.	Shell Length In.	Gauge	B.C.	Velocity in fps-Yards				Energy in ft.-lbs.-Yards				Trajectory height in inches-Yards							
						Muzzle	50	100	125	Muzzle	50	100	125	25	50	75	100	125	150	175	
<b>FULLY RIFLED BARRELS</b>																					
	SSDB123	DUAL 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	XP3 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	PARTITION 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
	SSDB12	DUAL BOND	375	2¾	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	XP3 TIN CORE	300	2¾	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	PARTITION GOLD	385	2¾	12	0.221	1725	1574	1436	1372	2543	2117	1762	1609	0.2	1	1	0	-2	-5.2	-9.7
Ⓛ	X12DSL	DSXP Copper Impact	1 oz.	2¾	12	0.190	1600	1438	1296	1234	2489	2010	1633	1480	0.4	1.4	1.3	0	-2.6	-6.5	-12.1
Ⓛ	X20DSL	DSXP Copper Impact	¾ oz.	2¾	20	0.195	1600	1442	1303	1242	1847	1500	1225	1113	0.4	1.3	1.3	0	-2.5	-6.5	-11.9
	SSDB203	DUAL 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
	SSP203	PARTITION 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
	SSDB20	DUAL BOND	260	2¾	20	0.175	1800	1605	1430	1352	1870	1488	1181	1054	0.1	0.9	0.9	0	-2	-5.2	-9.7
	SSP20	PARTITION GOLD	260	2¾	20	0.2	1800	1628	1470	1398	1870	1529	1248	1128	0.1	0.9	0.9	0	-1.9	-4.9	-9.2
<b>RIFLED CHOKE TUBE / FULLY RIFLED BARRELS</b>																					
	XRS123	BRI SABOT	1 oz.	3	12	0.095	1400	1153	1007	957	1958	1329	1012	914	1.2	2.5	2.2	0	-4.3	-	-
	XRS12	BRI SABOT	1 oz.	2¾	12	0.095	1350	1121	988	941	1821	1256	975	885	1.3	2.7	2.3	0	-4.6	-	-
	XRS20	BRI SABOT	¾ oz.	2¾	20	0.09	1400	1143	995	944	1162	774	586	529	1.2	2.6	2.3	0	-4.5	-	-
<b>SMOOTH BORE BARRELS</b>																					
	X123RS15	RIFLED	1 oz.	3	12	0.068	1760	1310	1040	965	3010	1667	1052	904	0.2	0	-1.5	-4.6	-9.7	-	-
	X12RS15	RIFLED	1 oz.	2¾	12	0.06	1600	1161	953	889	2488	1310	882	768	0.4	0	-1.9	-5.9	-12.1	-	-
Ⓛ	X12RS15LF	LEAD FREE	¾ oz.	2¾	12	0.04	1450	984	809	-	1587	732	494	-	0.5	0	-2.5	-8	-	-	-
	X12DS	RIFLED	1½ oz.	2¾	12	0.045	1600	1072	871	805	2796	1254	829	708	0.4	0	-2.3	-6.9	-14.4	-	-
	X20RSM5	RIFLED	¾ oz.	2¾	20	0.06	1600	1160	952	889	1865	981	660	575	0.3	0	-2	-5.9	-12.1	-	-
	X413RS5	RIFLED	¼ oz.	3	410	0.058	1800	1288	998	919	788	403	234	205	0.3	0	-1.9	-5.8	-11	-	-
	X41RS5	RIFLED	½ oz.	2½	410	0.061	1830	1318	1025	946	651	338	204	174	0.3	0	-1.9	-5.8	-12	-	-



The Deer Season XP Copper Impact slug is Winchester's most accurate and effective sabot slug. The solid copper bullets use a polymer tip to improve ballistics and deliver uniform, large diameter upsets that impact deer hard. The large diameter bullets and thin wall sabots improve accuracy through fully rifled barrels to help you bring down that trophy buck.



58 caliber projectile and engineered thin-wall sabot improve accuracy and terminal performance

Solid copper construction expands consistently and maximizes retained weight





# 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 on Earth,  
available in High  
Energy, High Velocity  
and Lead-Free ▶



### VARMINT/SMALL GAME



POWER-POINT®

### TARGET/PLINKING



Cartridge	Brand	Symbol	Bullet Wt.		BC	Velocity in Feet Per Second (fps)						Energy in Foot Pounds (ft.-lbs.)						Trajectory (Yards)					Wind Drift, 10 MPH (in)								
			(Grs.)	Bullet Type		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 X Lead Free	X17W15PLF	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
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
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	-1.0	-2.7	-5.4	-9.1	0.8	3.6	5.9	8.9	12.6	17.1
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	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	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	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 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	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	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	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	Dynapoint	USA22M	45	DP Copper Plated	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
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

Cartridge	Brand	Symbol	Bullet Wt.		BC	Rounds Per Box	Package Type	RIFLE				HANDGUN		
			(Grs.)	Bullet Type				Muzzle Velocity (fps)	Muzzle Energy (ft. lbs.)	100 Yards (fps)	100 Yards (fps)	100 Yards	Muzzle Velocity (fps)	Muzzle Energy (ft. lbs.)
22 Long Rifle	Varmint LF	X22LRHLF	26	HP Tin	0.062	50	plastic	1650	157	1023	60	2.3	1455	122
22 Long Rifle	Xpert	XPERT22	36	LHP	0.084	500	paper/bulk	1280	131	975	76	3.7	1085	94
22 Long Rifle	222	22LR222HP	36	HP Copper Plated	0.084	222	paper/bulk	1280	131	975	76	3.7	1085	94
22 Long Rifle	333	22LR333HP	36	HP Copper Plated	0.084	333	paper/bulk	1280	131	975	76	3.7	1085	94
22 Long Rifle	525	22LR525HP	36	HP Copper Plated	0.084	525	paper/bulk	1280	131	975	76	3.7	1085	94
22 Long Rifle	555	22LR555HP	36	HP Copper Plated	0.084	555	paper/bulk	1280	131	975	76	3.7	1085	94
22 Long Rifle	Super-X	X22LRH	37	HP Copper Plated	0.107	50	paper/brick	1280	135	1015	85	3.5	1085	97
22 Long Rifle	Super-X	X22LRHSS1	37	HP Copper Plated	0.111	100	plastic	1330	145	1038	88	3.2	1135	106
22 Long Rifle	Varmint HE	S22LRFS	37	FHP Copper Plated	0.090	50	plastic	1400	161	1027	87	3.2	1215	121
22 Long Rifle	Super Suppressed	SUP22LRHP	40	LHP	0.141	100	plastic	1065	101	908	73	4.5	870	67
22 Long Rifle	Super-X	XT22LR	40	LRN Standard Velocity	0.116	50	paper/brick	1150	117	976	85	4	950	80
22 Long Rifle	Super-X	X22LR	40	RN Copper Plated	0.116	50	paper/brick	1255	140	1017	92	3.6	1060	100
22 Long Rifle	Wildcat	WW22LR	40	LRN	0.116	50	paper/brick	1255	140	1017	92	3.5	1060	100
22 Long Rifle	Wildcat	WW22LRB	40	DP Copper Plated	0.116	500	paper/bulk	1255	140	1017	92	3.5	1060	100
22 Long Rifle	M22	S22LRT	40	RN Black Copper Plated	0.125	1000	paper/bulk	1255	140	1017	92	3.6	1060	100
22 Long Rifle	Super-X	X22LRPP1	40	PP Copper Plated	0.098	100	plastic	1280	145	1001	89	3.5	1085	105
22 Long Rifle	Super-X	X22LRPP	40	PP Copper Plated	0.098	50	paper/brick	1280	145	1001	89	3.5	1085	105
22 Long Rifle	Super-X	X22LRSS1	40	RN Copper Plated	0.119	100	plastic	1300	150	1038	96	3.3	1105	108
22 Long Rifle	Hyper Speed	XHV22LR	40	HP Copper Plated	0.105	100	plastic	1435	183	1070	102	2.9	1305	151
22 Long Rifle	Power-Point	W22SUB42U	42	LRN	0.116	500	paper/bulk	1065	106	929	80	4.4	965	87
22 Long Rifle	Power-Point	PP22LRH42U	42	PP Copper Plated	0.124	500	paper/bulk	1320	163	1056	104	3.3	1205	138
22 Long Rifle	Super Suppressed	SUP22LR	45	RN Black Copper Plated	0.141	100	plastic	1090	119	966	93	4.2	1000	100
22 Long Rifle	Super Suppressed	SUP22LRB	45	RN Black Copper Plated	0.141	800	paper/bulk	1090	119	966	93	4.2	1000	100
22 Long Rifle	Super-X	X22LRS	-	#12 Shot	-	50	paper/brick	N/A	-	-	-	-	-	-
22 WRF	Super-X	22WRF	45	LFN Copper Plated	0.108	50	paper	1300	169	1023	105	3.4	1105	122
22 Short	Super-X	X22SBW	-	Blank Smoke & Noise	-	50	paper/brick	N/A	-	-	-	-	-	-
22 Short	Super-X	X22S	29	LRN Copper Plated	0.084	50	paper/brick	1095	77	903	52	4.5	1010	66
22 Long	Super-X	X22LRCBMA	29	LRN	0.114	50	paper/brick	770	38	681	30	3.9	575	21

**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.

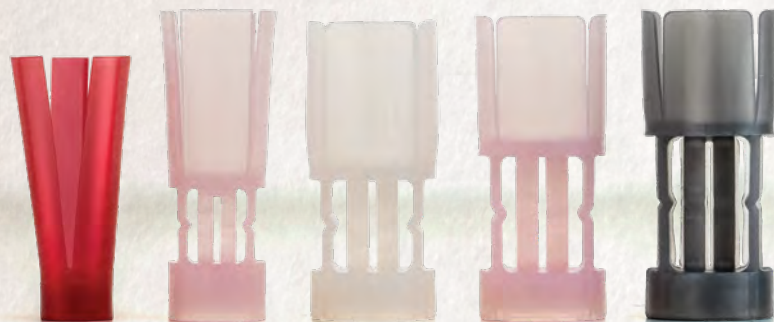
**ABBREVIATIONS**  
**RN** Round Nose  
**HP** Hollow Point  
**PP** Power-Point  
**FHP** Fragmenting Hollow Point  
**DP** Dynapoint® Lubaloy® Plating  
**LHP** Lead Hollow Point  
**LFN** Lead Flat Nose  
**JHP** Jacketed Hollow Point  
**FMJ** Full Metal Jacket





# 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 on-target performance characteristics.



## SHOTSHELL WADS

Symbol	Gauge	Optimum (Oz.)	Description Shot Wt.	Color
WAA12L	12	¾	For ¾ to 1 ounce loads	Gray
WAA12	12	1¼	For 1 to 1¼ ounce loads	White
WAA12SL	12	1 & 1¼	For 1 to 1¼ ounce loads but can be used anywhere 1 ounce F1 wad was recommended	Pink
WT12	12	1¼	For 1 to 1¼ ounce loads	Orange
WAA20	20	¾	For ¾ to 1¼ ounce loads	White
WAA28HS	28	¾	Used in new HS Hull Only	Red
WAA410HS	.410	½	Used in new HS Hull Only	Red

## RELOADING POWDERS

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](http://www.wwpowder.com).

Winchester Smokeless Propellant  
6430 Vista Dr  
Shawnee, KS 66218  
Phone: (913) 362-9455



## BULLETS

Caliber	Nominal Bullet Diameter	Bullet Weight (gr.)	Bullet Type	Symbol	Qty/Bag
<b>RIFLE BULLETS</b>					
<i>Consumer Pack Metallic Components (Plastic Bag)</i>					
22	.224	46.	HP	WB22HP46	100
22	.224	50.	PSP	WB22PSP50	100
22	.224	55	FMJBT	WB556MC55	100
22	.224	55	FMJBT	WB556MC55D	500 BOX
22	.224	55	PSP	WB223PSP55	100
22	.224	55	PSP	WB223SP55D	500 BOX
22	.224	64	PP	WB223PP64	100
243	.243	80	PSP	WB243PSP80	100
270	.277	130	PP	WB270PP130	100
7mm	.284	150	PP	WB7PP150	100
7.62	.310	123	PP	WB762PP123	100
30	.308	147	FMJBT	WB762147D	500 BOX
30	.308	147	FMJBT	WB762MC147	100
30	.308	150	PP	WB30PP150	100
30 (30-30)	.308	150	PPFN	WB30FN150	100
30 (308)	.308	180	PP	WB308SP180	100
350 Legend	.357	145	FMJ	WB350MC145	100
350 Legend	.357	180	PP	WB350PP180	100
44 (44-40)	.426	200	SP	WB44SP200	100

## HANDGUN BULLETS

*Consumer Pack Metallic Components (Plastic Bag)*

380	.356	95.	FMJ	WB380MC95	100
38	.356	130.	FMJ	WB38MC130	100
9mm	.355	115	STHP	WB9ST115	100
9mm	.355	115.	FMJ-Flat Base	WB9FB115	100
<b>9mm</b>	<b>.355</b>	<b>115</b>	<b>FMJ-Flat Base</b>	<b>WB9FB115D</b>	<b>500 BOX</b>
9mm	.355	115	FMJ-Hollow Base	WB9MC115	100
9mm	.355	115	JHP-Notched	WB9JHP115	100
<b>9mm</b>	<b>.355</b>	<b>115</b>	<b>JHP-Notched</b>	<b>WB9JHP115D</b>	<b>500 BOX</b>
9mm	.355	147	STHP	WB9ST147	100
9mm	.355	147	JHP-Notched	WB9JHP147	100
<b>9mm</b>	<b>.355</b>	<b>147</b>	<b>JHP-Notched</b>	<b>WB9JHP147D</b>	<b>500 BOX</b>
9mm	.355	124	FMJ-Flat Base	WB9MC124	100
<b>9mm</b>	<b>.355</b>	<b>124</b>	<b>FMJ-Flat Base</b>	<b>WB9MC124D</b>	<b>500 BOX</b>
40/10mm	.400	155	STHP	WB40ST155	100
40/10mm	.400	165	FMJ Truncated Cone	WB40TC165	100
<b>40/10mm</b>	<b>.400</b>	<b>165</b>	<b>FMJ Truncated Cone</b>	<b>WB40TC165D</b>	<b>500 BOX</b>
40/10mm	.400	175	STHP	WB40ST175	100
40/10mm	.400	180	Truncated Cone	WB40TC180	100
<b>40/10mm</b>	<b>.400</b>	<b>180</b>	<b>Truncated Cone</b>	<b>WB40TC180D</b>	<b>500 BOX</b>
40/10mm	.400	180	JHP-Notched	WB40JHP180	100
<b>40/10mm</b>	<b>.400</b>	<b>180</b>	<b>JHP-Notched</b>	<b>WB40HP180D</b>	<b>500 BOX</b>
44	.430	210	STHP	WB44ST210	100
44	.430	240	HSP-Notched	WB44HSP240	100
45	.451	230	FMJ	WB45MC230	100
<b>45</b>	<b>.451</b>	<b>230</b>	<b>FMJ-Flat Base</b>	<b>WB45MC230D</b>	<b>500 BOX</b>
45	.451	230	JHP-Notched	WB45JHP230	100
<b>45</b>	<b>.451</b>	<b>230</b>	<b>JHP-Notched</b>	<b>WB45HP230D</b>	<b>500 BOX</b>



## PRIMERS

Symbol	Primer	Types
<b>STANDARD</b>		
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

<b>MUZZLELOADING</b>		
SML11	100	Percussion Cup
SML209T7	100	Primer

<b>USA READY MATCH GRADE PRIMERS</b>		
WMGLP	#7 - 111	Large Pistol
WMGLR	#8½M - 120	Large Rifle
WMGSP	#1½ - 108	Small Regular Pistol
WMGSR	#6½ - 116	Small Rifle

Winchester USA Ready's Match Grade primers are built for serious shooters looking for premium performance and accuracy for their sport shooting ammunition.



## SHELLCASES

Cartridge	Symbol	Qty/Bag
<b>UNPRIMED RIFLE SHELLCASES</b>		
<i>Consumer Pack Metallic Components (Plastic Bag)</i>		
204 Ruger	WSC204RU	100
218 Bee	WSC218BU	100
22 Hornet	WSC22HU	100
22-250 Rem.	WSC22250U	100
220 Swift	WSC220SU	100
222 Rem.	WSC222RU	100
223 Rem.	WSC223RU	100
223 WSSM	WSC223WSSU	50
225 Win.	WSC225WU	50
243 Win.	WSC243WU	50
243 WSSM	WSC243WSSU	50
6mm Rem.	WSC6MMRU	50
25 WSSM	WSC25WSSU	50
25-06 Rem.	WSC2506RU	50
25-20 Win.	WSC2520U	50
25-35 Win.	WSC2535WU	50
257 Roberts +P	WSC257PU	50
264 Win. Mag.	WSC264WU	50
6.5x55 Swedish	WSC6555SU	50
270 Win.	WSC270WU	50
270 WSM	WSC270WSMU	50
280 Rem.	WSC280RU	50
284 Win.	WSC284WU	50
7mm-08 Rem.	WSC708RU	50
7mm Mauser	WSC7MAU	50
7mm Rem. Mag.	WSC7MMRU	50
7mm WSM	WSC7MMWSMU	50
30 Carbine	WSC30CU	100
30-30 Win.	WSC3030WU	50
30-06 Springfield	WSC3006SFU	50
30-40 Krag	WSC3040KU	50

Cartridge	Symbol	Qty/Bag
300 Blackout	WSC300BLKU	100
300 WSM	WSC300WSMU	50
300 Win. Mag.	WSC300WU	50
300 Savage	WSC300SU	50
303 British	WSC303BU	50
307 Win.	WSC307U	50
308 Win.	WSC308WU	50
32 Win. Special	WSC32WSU	50
7.62x39mm	WSC762X39U	50
32-20 Win.	WSC3220U	50
8mm Mauser	WSC8MAU	50
325 WSM	WSC325WSMU	50
338 Win. Mag.	WSC338WU	50
348 Win.	WSC348WU	50
35 Rem.	WSC35REMU	50
<b>350 Legend</b>	<b>WSC350LU</b>	<b>100</b>
356 Win.	WSC356U	50
358 Win.	WSC358U	50
375 Win.	WSC375WU	50
375 H&H Mag.	WSC375HHU	50
38-40 Win.	WSC3840U	50
38-55 Win.	WSC3855WU	50
44-40 Win.	WSC4440WU	50
45-70 Government	WSC4570GU	50
<b>450 Bushmaster</b>	<b>WSC450BU</b>	<b>100</b>
458 Win. Mag.	WSC458WU	50

Cartridge	Symbol	Qty/Bag
<b>UNPRIMED HANDGUN SHELLCASES</b>		
<i>Consumer Pack Metallic Components (Plastic Bag)</i>		
380 Automatic	WSC380AU	100
30 Luger	WSC30LU	100
32 Smith & Wesson	WSC32SWU	100
32 Short Colt	WSC32SCU	100
38 Special	WSC38SU	100
9mm Luger	WSC9U	100
38 Super Auto +P	WSC38AS+U	100
9x23mm	WSC923WU	100
357 Sig	WSC357SIGU	100
357 Magnum	WSC357MU	100
40 Smith & Wesson	WSC40SWU	100
10mm Auto	WSC10MMU	100
41 Rem. Mag.	WSC41RMU	100
44 Smith & Wesson	WSC44SWU	100
44 Rem. Mag.	WSC44MU	100
45 Automatic	WSC45AU	100
45 G.A.P.	WSC45GU	100
45 Colt	WSC45COLTU	100
454 Casull	WSC454CU	100
500 Smith & Wesson	WSC500SWU	50





# 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 2020.

Product details from these official licensees can be found at [www.WinchesterBrandedProducts.com](http://www.WinchesterBrandedProducts.com).

### WINCHESTER REPEATING ARMS



SX4 Hybrid Hunter



XPR Hunter



Wildcat 22



Model 1873 Sporter

### AIR GUNS



### SAFES



### RELOADING PROPELLANTS



### AEROSOLS & CLEANERS



### GUN CARE







**W** JEWELRY

**W** CHOKE TUBES



**W** SIGNAL CANNONS



**W** KNIVES



**W** HEADWEAR & APPAREL



**W** FOOTWEAR



**W** SLINGS & SHELL HOLDERS



**W** BELTS & WALLETS



**W** WOODEN CASES



**W** PRINTS, TINS & COLLECTIBLES



WINCHESTER *The American Legend*

BORN HERE. BUILT HERE.



## 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.

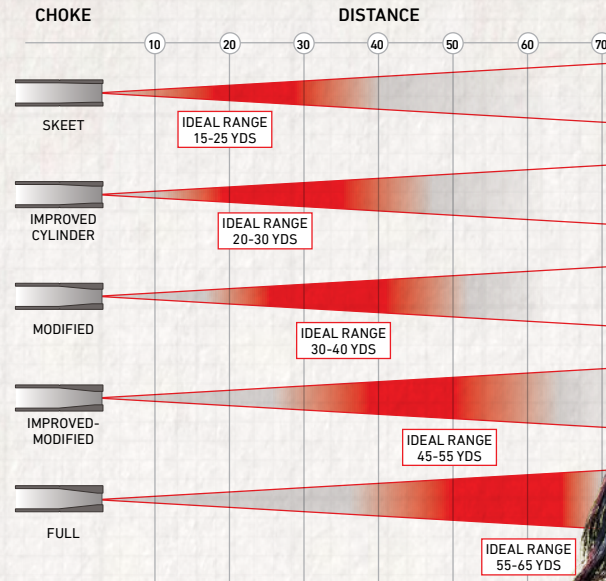
**Skeet** – Just slightly tighter than cylinder bore, skeet choke tubes are made to get a quick spread on shot. The ideal range for this choke constriction is 15 to 25 yards.

**Improved Cylinder** – The ideal choke to use with Winchester Steel Shot Waterfowl products.

**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.



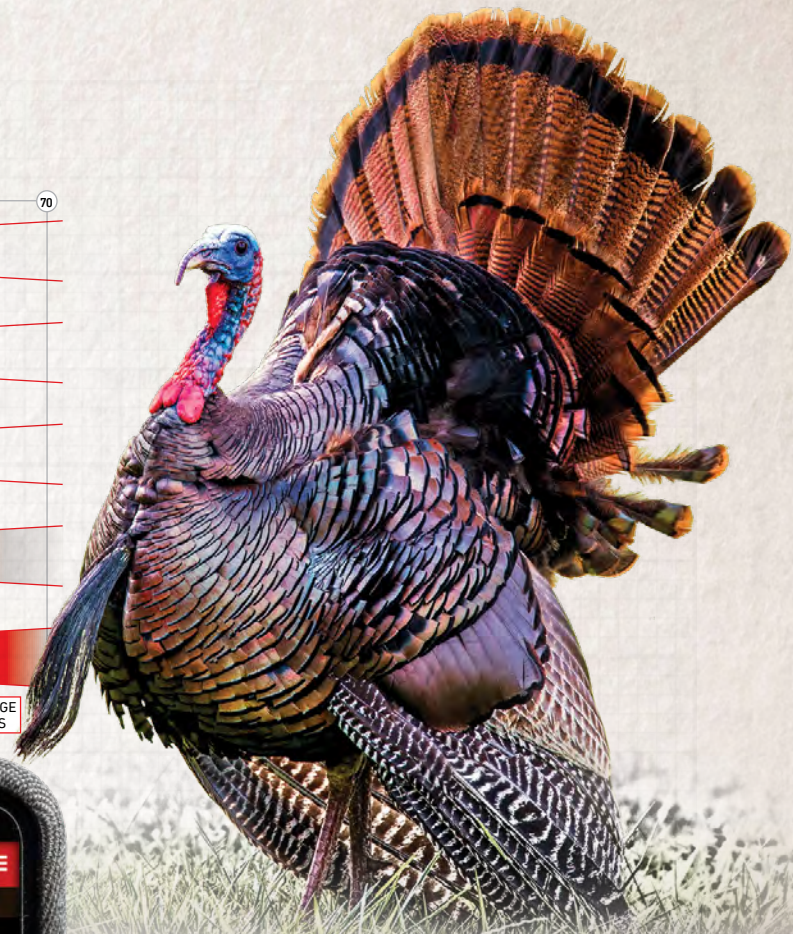
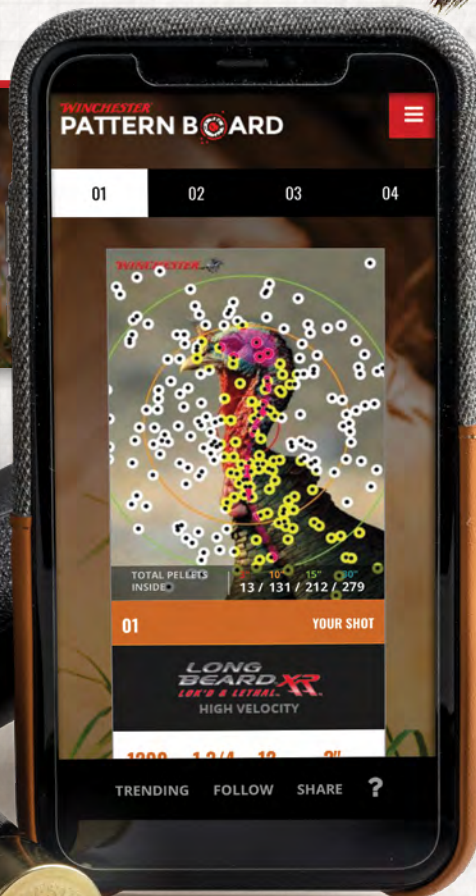
## The Winchester Pattern Board

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.



**WINCHESTER**  
**PATTERN BOARD™**

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



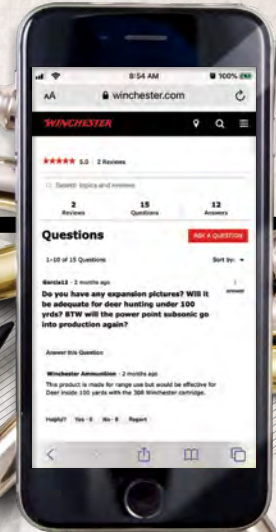


# Ratings & Reviews

## Devastating Round! ★★★★★

*The Ballistic Silvertip is the most accurate and hard hitting round I've found for my A-Bolt. I'll never shoot anything else.*

—Anthony Springfield, PA



## #WinchesterLife

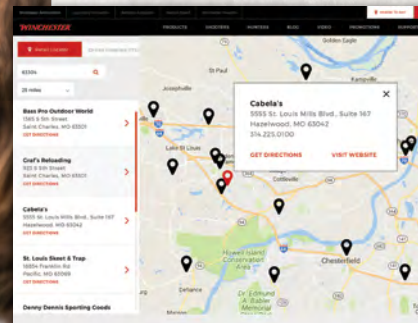
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- Youtube.com/WinchesterAmmunition
- Twitter: @Winchester
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# Q&A

## Get Answers to Your Ammo Questions

If you have a question about any one of our Winchester Ammunition products, a specialist is available to help. Simply ask your question on a product page and our experts will work to provide you with an answer.



## Find A Retailer

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Winchester's legendary tradition of innovation continues with the 350 Legend. Built with hunters and sport shooters in mind, the 350 Legend is versatile both in the field and on the range.

