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**On The Cover:**  
GUNS staffer David Fortier pits the Pro-Ord type 97-S against the harsh Maine winter.

Photo By Emily K. Fortier



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George E. von Rosen

### PUBLISHER

Thomas von Rosen

### EDITOR

Jim Gardner

### ASSISTANT EDITOR

Edward Carlson

### ART DIRECTOR

Rich Stahlhut

### FIELD EDITOR

Cameron Hopkins

### PHOTOGRAPHY EDITOR

Ichiro Nagata

### ADVERTISING PRODUCTION

Rebekah Eveland

### ADVERTISING ACCOUNT EXECUTIVE

Hollis Grdina  
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(619) 297-1586  
hollisgrdina@yahoo.com

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FAX: (619) 297-5353

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INTERNET (INDICATE MAGAZINE AND DEPARTMENT)

subs@gunsmagazine.com

ed@gunsmagazine.com

hollisgrdina@yahoo.com

class@gunsmagazine.com

production@gunsmagazine.com

www.gunsmagazine.com

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# COWBOY LEATHER

Cowboy Holster  
Makers are Sprouting  
up Across the Country.  
Take a Look at  
Four of the Finest.

BY  
DAVE  
DOUGLAS

**N**AKED AND HUNCHED OVER, A HEAVY-BROWED HUMAN EMERGED FROM A CAVE ABOUT A ZILLION YEARS AGO. LOOKING OUT UPON THE SNOW COVERED LANDSCAPE, HE THOUGHT, "DUDE, IT'S WAY COLD." HE SAW ANIMALS RUNNING AROUND WITH THICK, WARM, SOFT FUR. THEY DIDN'T SEEM TO BE VERY COLD. THEY WEREN'T SHIVERING. BUT HE SURE AS HECK WAS, AND HE DIDN'T LIKE IT ONE BIT.







Survival is a powerful motivator going back in the evolutionary chain to when we all looked something like tadpoles. And this first human's very survival depended on hunting down those furry beasts for food, shelter and clothing.

From that day till now, we, the descendants of that cave dweller, have used animal skins to protect not only our bodies but also

our weapons from the elements. Sure, science may have brought us polyester skivvies and high tech, carbon fiber, injection molded plastic firearm retention devices. But all these really do is mimic what skins and leather have done well for hundreds if not thousands of years. These synthetics just don't have

the class, panache or character of leather. And they never will.

### Handgun Evolution Drives Holster Design

Back in the 17th century there wasn't a great need for holsters.

Guns were either toted around in the pockets of great coats or thrust into a waist sash.

The large and heavy military flint and percussion pistols

were fastened to the pommel of

a saddle usually in pairs of heavy saddle leather holsters. The sword was being displaced as a personal weapon.

Around the time of the war between Texas and Mexico (1846 to 1848), the revolver began its rise to prominence. Cavalrymen fighting both Indians on the plains and the Mexican Army on the border began developing belt holsters for their newly acquired and lighter weight revolvers.





Attaching holsters to a waist belt instead of the pommel of the saddle just made more sense. Even if not mounted, the pistols were readily at hand and the combatant could run, find cover, and continue the fight.

Belt holsters of the era just prior to and during the Civil War had flaps. Percussion pistols needed protection from the elements to assure ignition. Cavalrymen learned to fight with their saber in one hand and their .36 Navy Colt revolver in the other.

Typically, the guns were carried in a pair of full flap holsters with the butts facing the front. It wasn't until 1905 that the Army issued a holster designed for the strong hand with the gun butt to the rear. But as warfare developed, the need for a faster open-topped holster was recognized. The Southwest was arid. Rain was seldom a problem. And the need for speed greatly outweighed environmental concern.

### Civilian Gun Leather

Real cowboys punching cattle from Texas to the Kansas rail lines developed the

next great steps in handgun leather. While seated for long periods on ill-tempered beasts, the need for comfort became paramount. The new generation of gun belts were made of double oil grain chap leather and 2.5 to 3 inches wide. Most were of the money belt type — a folded and sewn construction that left the

interior open to receive your hard earned double eagles.

The holsters were usually wide and had a comfortable ride. Makers started cropping up all over the West to accommodate the influx of people and their need for quality leather products. Most of





the great old time holster makers have gone away, leaving only their historical business records with their local universities. The modernization of society and changing times prompted a decline in the number of holster makers.

But not to fear. The nostalgic resurgence of interest in our rich Old West heritage combined with the Cowboy Shooting phenomenon has created an environment for the holster maker to forge a comeback from the brink of extinction.

### A Tour Of Tombstone Leather

Interested in seeing what it takes to construct top-quality leather gear today, I was fortunate enough to be invited to meet with Nick Asadi, the owner of Tombstone Leather. His shop and its four craftsman are located on 10 acres in the beautiful rolling hills and meadows of the foothills north and east of San Diego, Calif.

Asadi's business is western handgun leather, and only western handgun leather. He puts a lot of time into researching pre-Civil War through 1900 gun leather. Asadi was also fascinated with the old TV and



movie westerns. He showed me around the shop and then gave me a lesson in Leather Craftsmanship 101.

### Raw Material

The very first thing I noticed when walking through the door was the smell. It was wonderful. The smell of the hides and the leather dye mixed to form something akin to the taste of well-aged wine from the Burgundy region of France with just the right amount of tartness in relation to a blush of fruity flavoring.

Yeah, I know, how can I sound like the wine steward at some highfalutin restaurant while at the same time write about cowboys, guns and leather gear? Well darn it, it's the only way I can tell you how great it was other than writing, "Dang, it smelled real gud." I promise to wash my mouth out with rotgut rye as soon as I'm done writing this.

The first step Asadi showed me was selecting the leather to be used. A little about word use here. The term "skins" is generally used in association with smaller animals such as goats, sheep, pigs, beavers and the like. A "hide" is from larger animals such as elk, horse or cattle.

A hide, in its original state just off the







Too wet and the strikes of the stamping tool make the outline sides of the impression push up and distort like the first wave of a ripple when you throw a rock into a lake. Too little moisture and the stamped impression is flat and lacks definition. I tried this under the watchful eye of Asadi and his shop production team. It ain't as easy as it looks folks.

These professionals were whacking away with their rawhide hammers and stamping tools so fast, it made me look like a 4-year-old pounding little wooden square pegs in the round hole of a toy. They were making perfectly spaced straight lines. At about my third whack, they had 2 feet of gorgeous border stamping done. But being gentlemen, they kept their pointing and laughing at me to a minimum.

animal and salted, weighs right in the area of 25 pounds. Tombstone uses leather from U.S. cattle tanned in Pennsylvania. Asadi buys only the shoulder portion of the hide. It has better density, fibrous cell structure, and better thickness than other parts of the animal. The leather is hand selected for each individual belt and holster. Overall size, shape, texture and uniformity of thickness are checked to match the requirements of the particular component being made. One part of the rig often requires a different thickness or density than another. The goal here is to exactly match the leather with the component being made.

Once the appropriate leather is selected, the next step is to cut out the parts being made into the rig you ordered. Tombstone makes all of their cutting dies right there in the shop. The leather is laid out on a hydraulic press, the die is placed with the cutting surface on the leather, and Asadi hits the big red "go" button.

The leather is cleanly cut into the precise form necessary. The formed blank is measured and split for the exact thickness needed to the one-quarter ounce specification for the particular component. Calipers are also used to assure uniform thickness to the millimeter.

### Ornamentation

The decorative hand tooling is done on the raw form. Border lines

are cut and stamping is done right there on the bench. No machines are used, and only a highly trained artisan is allowed to do this work. The leather is specially treated with an exotic mixture of hydrogen and oxygen.

Okay, it's just plain water. But it does need to be just the right amount of water.

### Bringing It All Together

As the product is developed, pieces are sewn together using pneumatically powered lock stitch sewing machines. They use nylon or polyester thread to assure a long life of tightly sewn stitching. Adhesives used for some construction are specially selected to





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provide the right amount of bonding combined with flexibility. The components are dyed tan, mahogany or black to conform to the historical leather colors represented in the Old West. Each belt and holster is hand burnished using a cocobolo jig. All the holster boning is done by hand with antler to match an individual weapon. Nothing has been manufactured yet to take the place of antler in the boning process. The smoothness of the antler material and oil content just can't be matched when rubbing up against fine gun leather.

Conchos and other metallic embellishments are hand made at Tombstone Leather. Asadi has a fully equipped machine shop in one corner of his production area. Metal is cut from raw stock and formed into the piece desired. Everything is hand soldered, binding posts attached, hand domed and polished for its placement on the rig.

### Passion For Quality

All components of the rig are put together and inspected by the craftsmen in the shop. Asadi gives the final inspection and stamp of approval.

"If anything is even slightly wrong," Asadi said, "I will not permit it to be shipped. The part is fixed, rebuilt or replaced before it goes to the customer."

Sometimes these flaws seems tremendously insignificant. You know that little vertical pressure mark in the leather on your belt made by your buckle? I watched Nick Asadi disassemble a rig about to be shipped and have it replaced because the belt tongue was marked in that way.

In a commendable commitment to quality, Asadi told me: "That customer is paying good money for this product."

Tombstone has an excellent reputation for quality and it's obvious that Asadi will not allow it to be compromised.

### Rudy Lozano's Black Hills Leather

Rudy Lozano is the owner and operator of Black Hills Leather in Laredo, Texas. The company has been in business for seven years with Lozano at the helm. Back in high school, the leather bug bit him. Since 1974, he has done nothing else but work in the business perfecting his craft.

Black Hills Leather produces western, concealment and law enforcement rigs and holsters. But Lozano's real passion is the western product. He loves the feel, texture and workability of the hides. With western rigs, he can be creative and artistic. Black Hills offers about 36 different basic rigs. Prices range from around \$179 to about \$325.

All leather products are individually hand tooled and hand crafted from top grain vegetable tanned saddle leather. The holsters are fully hand molded to fit your gun. They come with a hammer thong unless you request otherwise. The number of cartridge



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loops depends on the caliber requested and the size of the belt.

## Fit, Finish And Feel

The rigs from Black Hills are impressive. The ones I have seen and been able to touch and feel have a superb fit of gun and holster to belt. The gun fits snugly in the holster yet draws as smoothly as if lined with velvet. No self-respecting Cowboy Shooter would ever line his holster with velvet. Neither does Lozano. But each of his holsters is beautifully lined and smooth as a baby.

When in place on the belt, the holster will not move. Rudy makes a small tab that attaches to the holster and slips behind the belt. When drawing the gun, the holster will not ride up costing the competitor extra sec-

onds. If you are not looking for this tab you will miss it. All of the Black Hills gun belts are 2.5 inches wide with 1 inch wide leather cartridge loops and top quality hardware.

## Looking At A Few Favorites

The Ringo is a variation of the Mexican Loop holster. This holster is secured by a single strap, which is adorned with a nickel concho. In its double rig configuration, with strong side holster and a cross draw, it is very well balanced and quite handsome.

Lozano's Preacher model is a Cheyenne style Mexican double loop holster. It has a recurved throat and a swelling of the pouch between the two straps. The straps are ornamented with 8 silver plated conchos and fashioned out of the back skirting. This rig is





decorated with beautiful diablo border tooling. Twenty-four 1 inch wide cartridge loops are threaded through the outside layer of the belt leaving no visible stitching.

The San Diego is another in the Black Hills line of Cheyenne style double Mexican loop holsters. It has a recurved throat and the authentic swelling of the pouch between the two straps. The San Diego is also decorated with diablo border tooling. This is an understated rig for those who want a fine, period authentic belt and holster without a bunch of shiny doodads.

Any shooter would be proud to walk around the huge End Of Trail shoot displaying their hardware in a Black Hills Leather belt and holster. Black Hills also makes wrist cuffs, cartridge belts, shotgun cartridge belts, spur straps, badge holders, rifle scabbards and bandoleer straps. Lozano will even make a rig to your design. Just send him a picture or drawing, give him a call, and in a few weeks something uniquely yours will appear on your doorstep. Oh, you'll also need to pay him. Details, details, details.

### Kirkpatrick Leather

Kirkpatrick Leather is continuing a 52 year tradition of hand making custom holsters. Every holster made there is hand crafted by skilled artists. Many of the artists have worked for the Kirkpatrick family business for 20 years. Joe Kirkpatrick established the company in 1950. He made saddles and general tack equipment at first. Joe added boots to his line-up of products and then migrated to his core business of law enforcement products and concealment holsters.

In 1967 Kirkpatrick started making Old

West rigs. This was long before Cowboy Shooting became popular and started the resurgence of interest in the field. Now, his sons and daughters are involved with the business. They run the production facility, develop the catalog, and operate a retail shop in Laredo, Texas. In 1998, they introduced many reproductions of Old West rigs. The two most popular are the Tequila and the Idaho John.

### Stars Of The Line

Mike Kirkpatrick said they set out to make a new gun rig for five time world champion Richard Young, alias "Tequila." Young was specific about what he wanted.

It should be a rig that allows for a smooth draw and fast re-holstering. It must be designed so the average shooter can afford to buy it. The result from this description is the Tequila rig. It is designed to keep the grip of the six shooter away from the body to allow for a smooth draw and full grip of the gun. Each holster is fully lined and hand molded for a good fit.

The top edge of the holster is molded out to create a funnel effect. These features are the key to fast first shots and quick re-holstering. The Tequila comes in a plain finish and is hand dyed in brown for a rich, beautiful, period correct color. A solid brass clip-cornered buckle and latigo tie-downs come standard.

When you have a good thing going, keep doing it. The Idaho John was specially designed for champion Cowboy Shooter John Shaw. It is another double rig with a strong side holster and a cross draw. The holsters sport a single strap with three threaded bullet loops to display cartridges of one's choosing. There is no metal lining or

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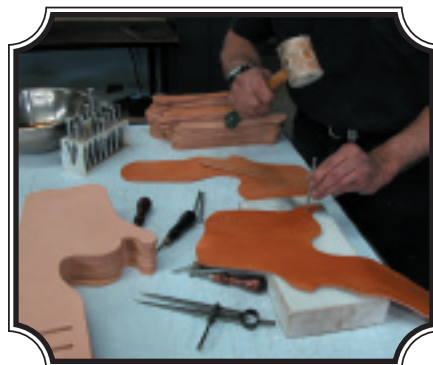


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plastic parts.

The whole rig is hand stamped in a border pattern common during the late 1800s and hand dyed for a beautiful finish. All edges are artfully burnished and painted. The 3 inch wide belt is equipped with 24 hand molded bullet loops threaded through the outer leather shell. The rig is finished off with a solid clip cornered square buckle.

These are first class rigs, and if you fumble your draw while wearing a Kirkpatrick holster, you'll know better than to blame your leather gear.

### Mernickle Custom Holsters

So, you think the only good things that come from Canada are lumberjacks, bearskin rugs, and Hudson Bay blankets, eh? If that's the case, then you better take a good look at the rigs produced by Bob Mernickle. Bob has pulled off what we've all dreamed of, to take your hobby and then start making good enough money at it to quit your job and do the thing you love to do the most.

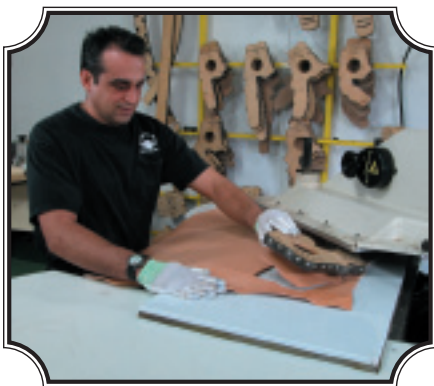
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In Mernickle's case, that's a passion for making leather goods. His hobby of making holsters started in 1974. In 1992 he went full time with the business. Mernickle is very busy these days with a tremendous product line that includes just about any firearm related leather product.

Mernickle Custom Holster's line of authentic western holsters and belts is a collection of designs that were used in and around the beginning of the 1870s through the end of the 1890s. The belts and holsters were chosen due to their popularity at that time. Then as now, a popular design tends to be one that has proven to perform in a superior fashion. Mernickle believes in letting the customer choose the combination of belt and holster that best suits his needs. This way, you can design your own shooting system and not be forced to select from a limited number of packaged rigs.

### It's The Small Things That Matter

Mernickle's Cowboy Action belts and holsters are made with the realization that it is as important to get the gun back into the holster as quickly as it is to draw it out. They are set up to do just that. The holsters have a lip curl so when you re-holster it the cylinder will not hang up. They come with a minimum amount of retention, yet enough that you won't lose the gun running from stage to stage. The Cowboy Action series belts have 25 loops giving you five full cylinders worth of cartridges at the ready.

Mernickle sent me an evaluation rig that is so new it has not even been named yet. This is its debut. It is a black double rig;

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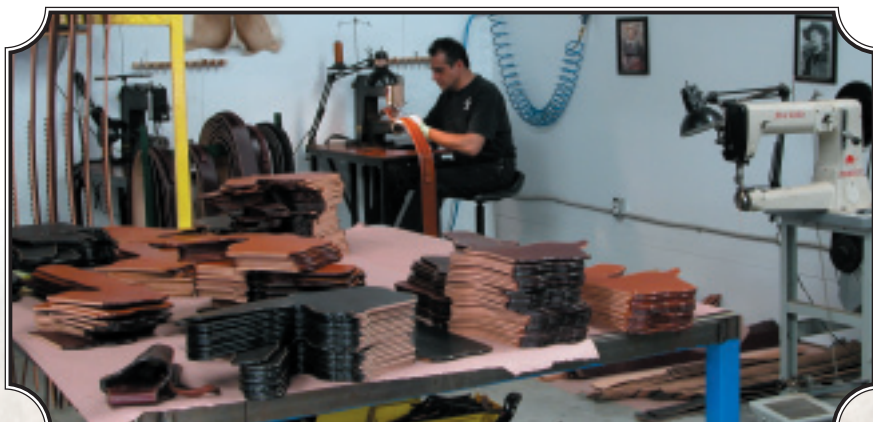
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strong hand and a cross draw with white stitching used to frame beautifully executed border stamping. The holster and belt are all double laminated, meaning both the holsters and the belt are fully lined. They have incorporated two t-nuts on the back of the holsters just below the belt line.

By tightening the screws down, the holsters remain where you want them. There is no holster lift when you draw the gun. The holsters are hard molded so when you draw the gun they do not collapse, making re-holstering simple and fast. Mernickle likes to say it depicts the late 1800s but uses 21st century technology.

Mernickle sent along about six other holsters representing all price ranges of his product line. Some are so beautiful they can make you cry. When I show my wife a particularly well crafted holster she usually nods and says, "Yea, nice honey" and then shrugs that "glad you like it cause it doesn't mean a thing to me" kind of shrug. When I unpacked Mernickle's pebble finished HW3 holster and the HW8 rig carved by Bonnie-Lynn Johnson, my bride exclaimed:

"Wow, is that gorgeous or what?" She turned the jewel-like leather in her hands. "It must have taken a year to make that thing."

As far I'm concerned, this particular domestic event rates right up there with the invention of the internal combustion engine.

### That Personal Touch

Today's holster makers run the gambit from small one-man shops to large production line operations. My preference seems to run to something right about in the middle. I want my rig to be made by a craftsman. Someone I can call up and talk to about what I want and how I want it. I want to have the option of picking their brain; discussing the pros and cons of a particular style, and the period authenticity, or if period authenticity isn't a big factor, which Hollywood cowboy wore something similar. You know, the personal touch.

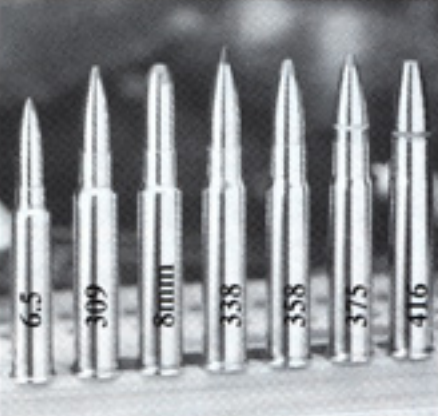
I want to hear the maker's voice and make up my own mind about whether I trust this guy to make the rig I want. If I'm going

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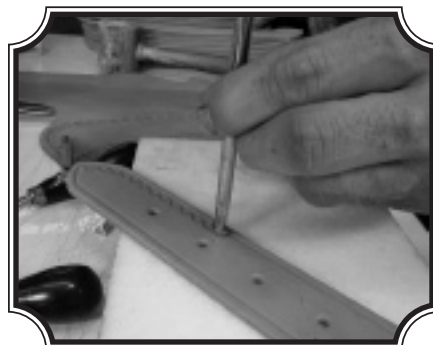
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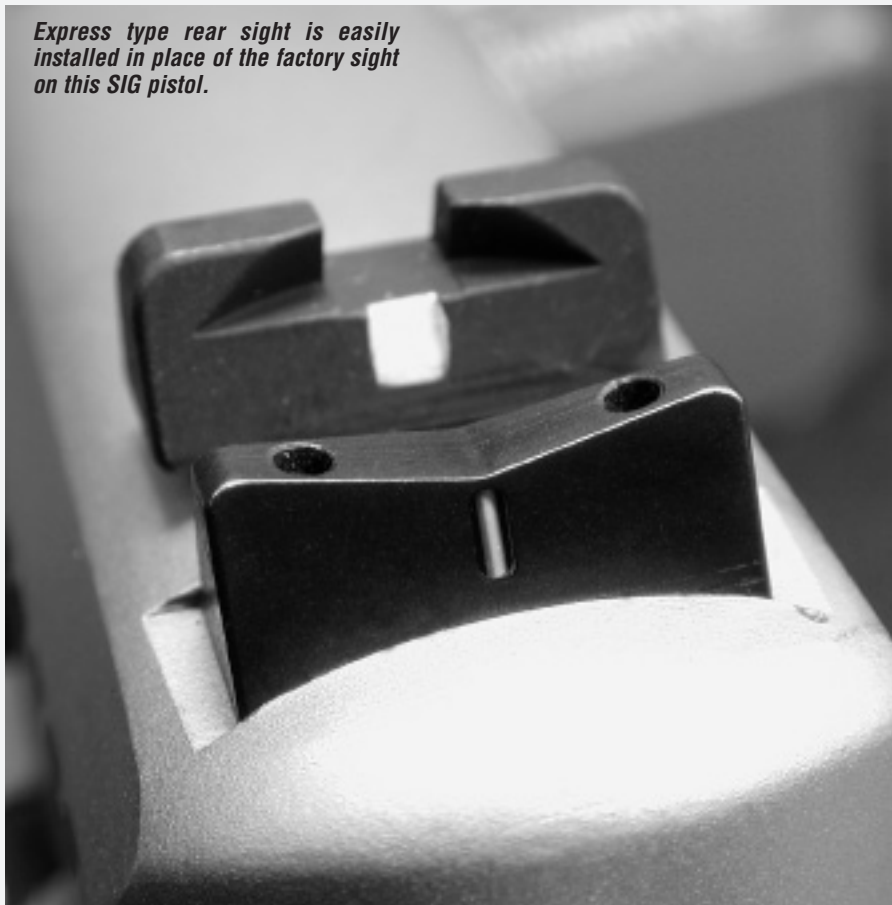
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### Out Of Africa

The conditions under which yesterday's African professional hunters stood toe-to-toe with two tons or more of agitated animal have a lot in common with the typical civilian self-defense shootout, including police gunfights. Tactical operations involving the handgun likewise frequently involve situations bearing a strong resemblance to tackling one of the Big Five at short range.

Prevailing in any of these in-extremis encounters requires high speed marksmanship while under the motor-skill addling influence of adrenaline. Not surprisingly, the same simple sighting system has equal merits in a back alley ballistic brawl as in the bush or on the veldt. Dormant for decades, the express concept has been recently resur-

rected by AO Sights of Fort Worth, Texas.

Available in both Standard (.110 inch) and Big Dot (.161 inch) versions, with or without self-luminous tritium inserts on the front and/or rear sights, AO Express sights represent nothing less than a revolutionary advance in combat handgun sighting systems. I have come to believe quite strongly that every defensive pistol and revolver should be equipped with a set, unless there is a very good reason to do otherwise.

I rarely get particularly enthusiastic about hardware, preferring to focus my energies on promoting the development of the human factor instead. However, in a few instances I do feel that the gear in question can offer a significant advantage to the defense oriented handgunner. The AO Big Dot tritium Express sights certainly fall into this category.

### See Speed 101

To understand why the AO Express sight works so well in high speed, high stress environments, we must go back to basics. In simplest terms, hitting a given target requires aligning the weapon with the target (aiming) and causing the weapon to discharge without disturbing that alignment (trigger control). The AO Express sight greatly enhances the ability to achieve the first of these in the short time frames typical of close range combat.

One of the main reasons IPSC Grandmasters such as Rob Leatham, Todd Jarrett and Jerry Barnhart regularly trounce the competition is because they quite simply see things faster than mere mortals. This is partly a function of innate ability, but also the result of extensive experience and training. This ability to visually verify in an instant the alignment of the handgun with the target is critical to making good hits at high speed.

Given enough time and ammunition, anyone can significantly increase their "see speed." The problem is, most people honestly don't have the wherewithal to achieve this level of skill. Enter the AO Express sight, that rarest of items: a hardware solution to a training problem. The company's handgun Express sight, particularly the Big Dot version, instantly increases your ability to rapidly acquire an acceptable sight picture under a wide variety of conditions. The following true story illustrates the point.

### From Fail To Pass

A police officer was having trouble shooting a qualifying score on the departmental course of fire. As a last resort, an instructor had the shooter fire the course with a pistol equipped with AO Big Dot Express sights. On the next attempt, the officer exceeded the minimum score by a considerable margin. When asked for an opinion on the sights, the officer responded that while the Express sights obviously facilitated hitting the target, they were





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**"AO Express sights are optimized for action. When moving at a jog or even a run, a sight picture can be acquired that will facilitate fast hits at across-the-room ranges."**

"slow." Actually, the times for each string of fire were significantly faster than those fired on past attempts.

The officer in question simply equated the experience of seeing the sights with being slow. Express sights can assist anyone in aiming more quickly, beginner or expert. Note, however, making the transition will require the shooter to understand and trust the sight picture in question. Those who have spent their entire lives using square-notch and post sights may need a bit more time to get used to the unfamiliar configuration.

### Plenty Of Precision

The most common criticism leveled at Express sights is that they are only good at very close range. This absolutely is not true. I've personally used the Big Dot sights to hit a 12 inch square steel plate at 50 yards with virtually every round in the high-cap magazine of my otherwise stock Glock 19. Using this same system, 25 yard head shots may be made with alacrity. Once you've acclimated to the Express' sight picture, the primary factor limiting your ability to hit any target will be what it always was: trigger control. In short, don't blame the sights for your flinch.

Incidentally, Express sights may actually contribute to good trigger control in many



*There's no comparison — the "Big Dot" express sight is far faster to see in any light condition.*



cases, as follows. Countless shooters botch their shots at the last moment by snatching at the trigger in an attempt to take a "snap shot" of textbook sight alignment. I've noticed that folks with Express sights are more willing to accept the inevitable "wobble zone" that occurs with anything other than benchrest shooting.

For sure, AO Express sights are optimized for action. When moving at a jog or even a run, a sight picture can be acquired that will facilitate fast hits at across-the-room ranges. Even without a tritium insert, the white front sight, particularly the Big Dot variant, shows up in light so dim that threat identification is iffy at best. And when your focus is shifted towards the target, the large white dot still captures your attention. Typical patridge sights simply do not provide this capability.

### Fit For The Task

Comparing the two sight configurations by shooting slow fire groups on a well defined target in good light is hardly a fair test. As my friend Mike Janich notes in the title of the book he co-authored with the late, great Rex Applegate: *Bullseyes Don't Shoot Back*. Neither do cardboard silhouettes or any other inanimate adversary. The significant advantages of the AO Express sight will be most apparent when facing the threat of death or crippling injury, difficult conditions to replicate on the range.

Even if a slight amount of slow-fire precision is lost in exchange for this increased close quarters capability, the trade off is a no-brainer. The bottom line is you can choose sights that are ideal for the most probable scenario — dynamic confrontations at conversational distances — or give this up in exchange for a debatable gain in long range capability.

### Extended Evaluation

My current enthusiasm about AO's Express sights took a while to develop. Skeptical by nature, I didn't immediately jump on the bandwagon. In fact, before adopting the system for my own defensive handguns, I expended nearly 3,000 rounds on practical exercises and tests. At the end of this prolonged process, I am now a true believer.

First, I used a set of Big Dot Tritium Express sights on my Glock 19 during an Insights Training Center Intensive Handgun Skill course. The 2,500 round, 3 day class was one of my frequent training trips and provided an ideal opportunity to evaluate the usefulness of the AO sight system in a high-pressure training environment.

I fully expected to expend a half case of ammo before becoming comfortable with the Express sight picture, which can be initially disconcerting for those used to burying a post front sight deep in a square rear notch. To my pleasant surprise, it required only two

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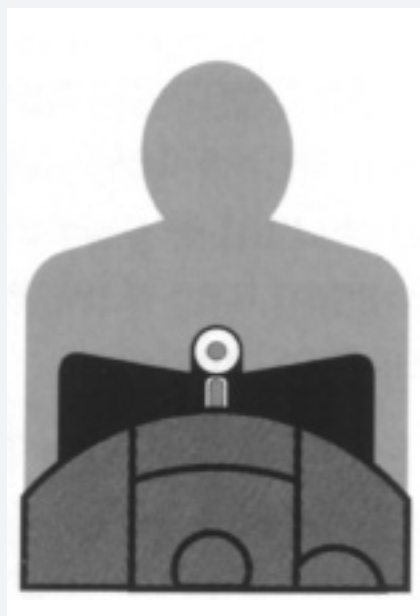
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boxes of ball ammo before I was shooting consistent one hole groups during close range dot target drills.

### Never Missed Until It's Gone

Next, I used the AO Express sights during the 1999 IDPA Nationals. On the last string of my first assigned stage — a set of “standard exercise” drills that finished with six rounds fired from 20 yards — I watched my front sight wiggle back and forth with each round. (Since I was using the AO Express sight on a trial basis, I had not applied thread lock compound to the front sight retaining screw). A short walk to the Glock factory armorer would solve the problem.

Unfortunately, the 300 meter stroll to the vendor area vibrated the sight completely off of my holstered pistol. As a makeshift alternative, the armorer installed a standard Glock front sight, which featured a small white dot in the middle. Checking zero on a nearby plate rack revealed that the pistol was shooting significantly low. This puz-

zled me until I remembered that the point of impact with the Express sight was in the middle of the front dot, not at the top as with traditional sights.

A couple of minutes carving on the polymer Glock post with my Swiss Army knife and *voila*: a round dot front sight configuration. The rest of the Nationals proceeded without further incident, and provided an unplanned opportunity to eval-

uate something akin to the standard dot configuration of the AO Express sight. Truth be told, I missed the Big Dot at the end of my slide; the smaller one just wasn't as fast to acquire in the 15-yards-and-under scenarios in the match. Immediately upon my return home, I obtained a replacement and secured it with red Loc-Tite.

### A Tale Of Two Colonels

One of the longest running controversies in the popular firearms press is the argument over whether point shooting or aimed fire is the better technique for close range gunfights. The primary protagonists in this debate are Colonel Rex Applegate and Colonel Jeff Cooper. Many of Applegate's methods, a refinement of those advocated in *Shooting to Live* by Sykes and Fairbairn, seem to completely contradict Cooper's Modern Technique of the Pistol.

Point shooting advocates argue that there is usually not time to see the sights in a typical pistol fight, and that even if there was, most folks couldn't do so anyway due to stress induced target focus. On the other hand, one key element of the Modern Technique is the “Flash Sight Picture.” In what can only be described as a minor miracle, given the strong personalities involved, the AO Express sight represents common ground for both camps.

Cooper, who has experimented for decades with the spectrum of sidearm sighting systems — including pistol ghost rings and patridge designs with different colored front posts — opines in his Commentaries, “... the pistol Express sight just may be the important development in pistol sighting in modern times.” Gunsite Operations Manager Colonel Bob Young USMCR must agree: his personal 1911s sport Big Dot tritium Express sights by AO, as do the .45s carried by a number of other Gunsite instructors.

In the other corner, Rex Applegate remarked, shortly before his death last year, “Finally, someone understands what sights are for on a fighting pistol.” Considering the source — Applegate is widely regarded as the father of modern close quarters combat — this short sentence speaks volumes about the real world utility of the Express configuration on a handgun intended for defensive or tactical use.

Anything endorsed by this persnickety pair of pioneering pistoleros deserves a serious second look. Of course, these sights are so visible, you won't need a second look to see them. And, of course, that's the point.



### AO Sights Changes Name

AO Sight Systems has changed its name to Express Sight Systems. The recent change was prompted by a lawsuit filed by American Optical, citing AO Sight Systems' use of “AO” as “causing confusion and mis-representation of products to their customers.” American Optical manufactures glasses, contact lenses, and owns AO Safety, makers of hearing protection and safety glasses, and Peltor hearing protection.

According to AO Sight Systems officials, the company opted to change its name rather than challenge the lawsuit.

“Rather than honor this lawsuit with wasted funds in defense, or pay the requested ‘Royalty’ to continue to use the AO Sight Systems name, we have decided to change the name of the company,” said Stephen Barron, sales manager. “Feedback from the shooting industry supports our case. However, proving that we are right in court is expensive, and not consistent with our goal of providing the highest quality products at competitive prices.”

The new name, Express Sight Systems Inc., became effective in April 2002.

“We ask for a bit of patience as we catch up with the various types of packaging, catalogs, and advertisements to reflect the new name of Express Sight Systems,” Barron said.

-By Russ Thurman, editor  
*Shooting Industry*, June 2002



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# PLUMBER'S NIGHTMARE

## IN PRAISE OF THE HUMBLE STEN SMG

*The author tells us that ugly can be beautiful when it comes to this effective submachine gun.*

By Charles W. Karwan

**T**he Rodney Dangerfield of submachine guns is undoubtedly the World War II British 9mm Sten. It just doesn't get any respect. Often given nicknames like the "Plumber's Nightmare" and "Stench gun," the crude looking Sten was and is often unfairly derided and criticized. In actuality, it performed extremely well and enjoyed remarkable success. Indeed it received high marks from both the American and German World War II ordnance establishments when tested.

The Sten family consists of six different Marks or major model variations with several sub-variations. All are chambered for the 9mm parabellum cartridge. With a production of just under four million, it was one of the most prolific of all the World War II submachine guns. It is also significant to note that more Mark IIs, the primary object of this article, were produced than all other Sten models combined.

The Sten grew out of the British desperation for arms early in the conflict. After the debacle at Dunkirk, there was a justifiable fear of a German invasion of the British Isles and damn few guns around to repel it with.

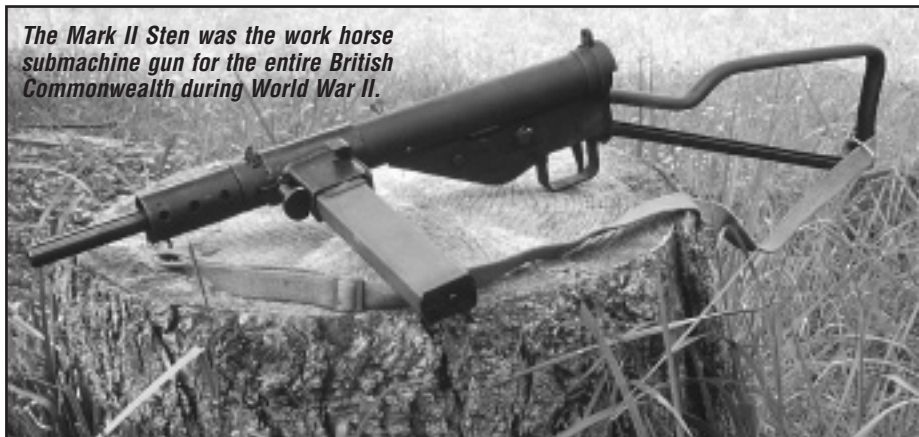
### Worthless Gangster Guns

Prior to the war, the British General Staff dismissed subma-

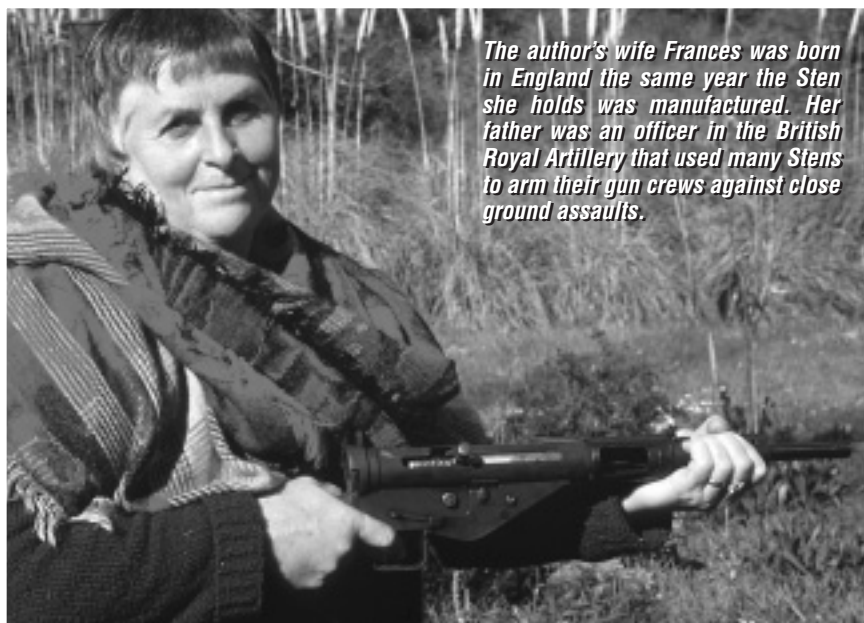


*Excellent performance of the German MP-38/40 inspired the Brits to develop a modern sub-gun.*

*The Mark II Sten was the work horse submachine gun for the entire British Commonwealth during World War II.*







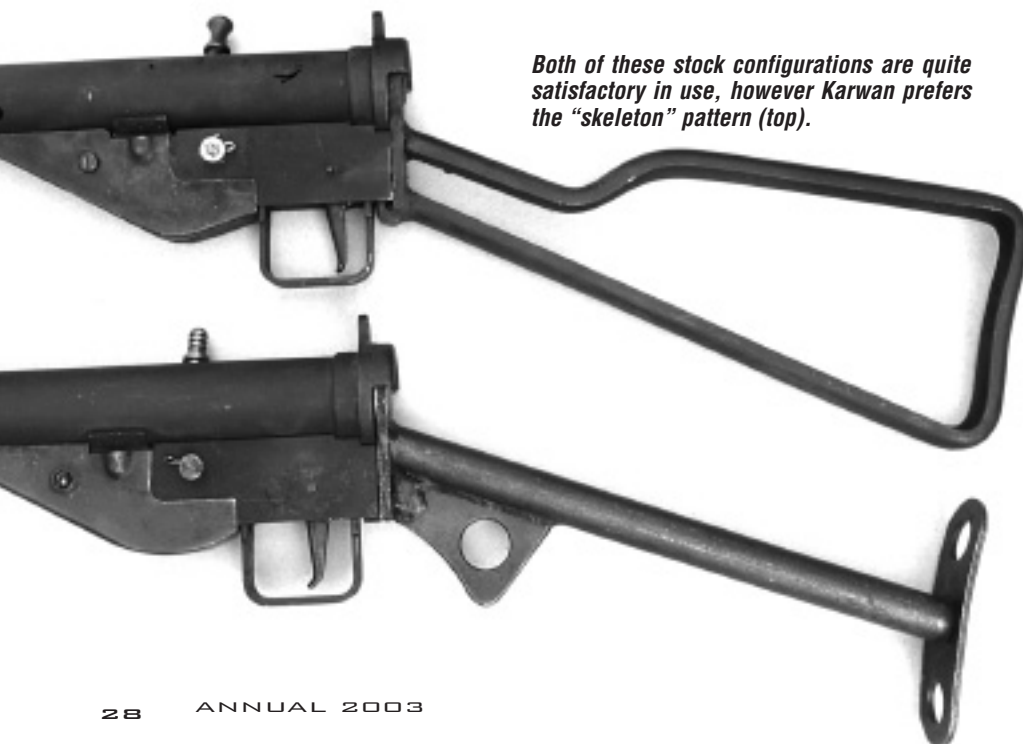
*The author's wife Frances was born in England the same year the Sten she holds was manufactured. Her father was an officer in the British Royal Artillery that used many Stens to arm their gun crews against close ground assaults.*

chine guns as “gangster weapons” not suitable for the likes of British soldiers. Keen military observers noted the effectiveness of SMGs in the Russo-Finnish Winter War and the German’s mechanized invasion of Poland. Realizing their mistake, England quickly procured as many Thompson .45 ACP submachine guns as she could from the United States. But it was obvious that a native source for submachine guns was severely needed.

Of all military small arms, the typical submachine gun is the simplest thanks to its blowback operation and firing from an open bolt. The Germans paved the way for fast and inexpensive manufacturing of SMGs with their MP-38/40, manufactured com-

pletely from metal and plastic with many parts fabricated from sheet metal stampings.

England’s Enfield Arsenal set out to design an efficient submachine gun that could be quickly and easily manufactured. The standard British handgun cartridge at the time was the rimmed .380 Enfield revolver cartridge (.38 S&W) which was totally unsuitable for submachine gun use. Consequently, the 9mm parabellum cartridge was chosen as the chambering for the new submachine gun. The 9mm used less critical materials to manufacture than the .45 ACP used in the Thompson, offered a flatter trajectory allowing for effective shooting at longer ranges, and additionally, weapons so chambered could make use of captured German ammunition — a significant consideration for a country facing the threat of invasion.



*Both of these stock configurations are quite satisfactory in use, however Karwan prefers the “skeleton” pattern (top).*

For the curious, the name “Sten” derives from the initials of the chief designers of the project — Reginald Sheppard and Harold Turpin — combined with the first two letters in Enfield.

## The Sten Evolution

Before I zero in on the Mark II Sten, let’s briefly review the entire line to put them in perspective. The first Sten, the Mark I, entered production in June of 1941 at both Enfield Arsenal and at Birmingham Small Arms (BSA). It featured a wooden forend with a fold down foregrip. It also had a bulky and largely unnecessary cone type flash hider.

Shortly after production began, the flash hider and foregrip were deleted, the forend was replaced by a sheet metal cover, and construction of the metal butt stock was simplified to create the Mark I\* (read as “Mark One Star”). Around 100,000 of the Mark I and I\* versions were manufactured before it was replaced by the Mark II in late 1941 or early 1942.

The Mark II differs from the Mark I\* in several regards. The barrel jacket is much shorter and is threaded to serve as a barrel retaining nut, securing the barrel to the receiver. Serrations on the barrel jacket are engaged by a spring loaded retaining plunger on the magazine housing. In addition to securing the barrel jacket, the plunger may be retracted to permit the magazine housing to be rotated from its normal position to the underside of the receiver, sealing the receiver’s ejection port.

## Popular Myth

While many references say that this feature serves as a dust and dirt cover, that is ridiculous because the magazine housing cannot be rotated into that position while a magazine is in place. The major advantage of the rotating magazine housing is to allow the weapon to be stowed in a flat configuration. Since the Mark II’s barrel and butt stock were readily detachable, it could be easily disassembled into quite a small package for air drops and for clandestine carry by resistance forces.

The Mark II was also made in a special version with an integral silencer. It was designated the Mark IIS and was used extensively by the British Commandos and Special Operations Executive, Britain’s equivalent of the American OSS.

The Mark II was produced in England, Canada, and New Zealand with an exact copy made in Germany during the war and a near exact copy made on Taiwan after the war. There were also a number of spin-offs made in Germany, Australia, China and other places.

The Mark III Sten was introduced in 1943. It never replaced the Mark II, only supplemented it. The Mark III was inter-





*The manual safety of the Sten is as simple as it gets. The bolt is retracted and the bolt handle is rotated into the safety slot. This is quite secure and can be quickly disengaged.*

nally similar to the Mark II but reverts to the general construction of the Mark I\*. The receiver, barrel jacket and fixed position magazine housing were fabricated in one piece from stampings. The barrel is pinned into the receiver and is not readily detachable. The Mark III was not an improvement on the Mark II but rather an alternative for even easier manufacture with certain types of tooling. The Mark III was made only in England. The Mark III was the second most common Sten variation, but production was well behind that of the Mark II.

There were several Mark IV Sten variations that consisted of a Mark II modified to have a folding stock primarily for use by parachutists. None developed beyond prototype stage.

### **Bayonets?**

The Mark V was introduced in 1944 after the British emergency shortage of

arms no longer existed. It was an attempt to supply the British troops with a less crude looking SMG. In actuality the Mark V was just a Mark II with some minor and largely cosmetic changes.

The trigger and trigger guard were moved slightly forward to make room for a vertical wooden pistol grip. The all metal butt stock was replaced by a wooden butt stock with a heavy metal butt plate. The front sight was moved from the receiver to the barrel and given protective guards like that of the No. 4 Lee-Enfield rifle. Finally, the barrel was given lugs to mount a No. 4 type bayonet. Earlier versions also had a wooden foregrip attached to the barrel jacket but that was abandoned by mid-1945.

The net result was a submachine gun two pounds heavier than a Mark II and which could not do one thing better than a Mark II except mount a bayonet, a dubious distinction at best for a submachine gun. The Mark V was made only in England. Initially issued

to British airborne troops, the Mark V was eventually used by other British units while most of the other Commonwealth countries stuck with the Mark II and Mark III Stens. After the war, the Mark V replaced all earlier models as standard in the British Army until it was replaced by the Sterling SMG in the mid-'50s. There was also a post-WWII Mark VI which was little more than a Mark V fitted with a silencer and bolt similar to that of the Mark IIS.

### **The Workhorse Sten Mark II**

Of all the Sten models, the Mark II was the work horse and was by far the most commonly used SMG of the British Commonwealth during World War II. It was used extensively by British, Canadian, Indian, Gurkha, East African, New Zealand, South African, and to a lesser extent Australian troops. It was also supplied extensively to allies and to resistance



*This Mark II Sten has the all metal skeleton stock that the author thinks is the most comfortable to use. Note how the side feed magazine allows the weapon to get down low to the ground or cover.*





*This Mark II Sten shows how compactly it could be packaged for air-drop. It can be assembled and made ready to fire in 20 seconds.*

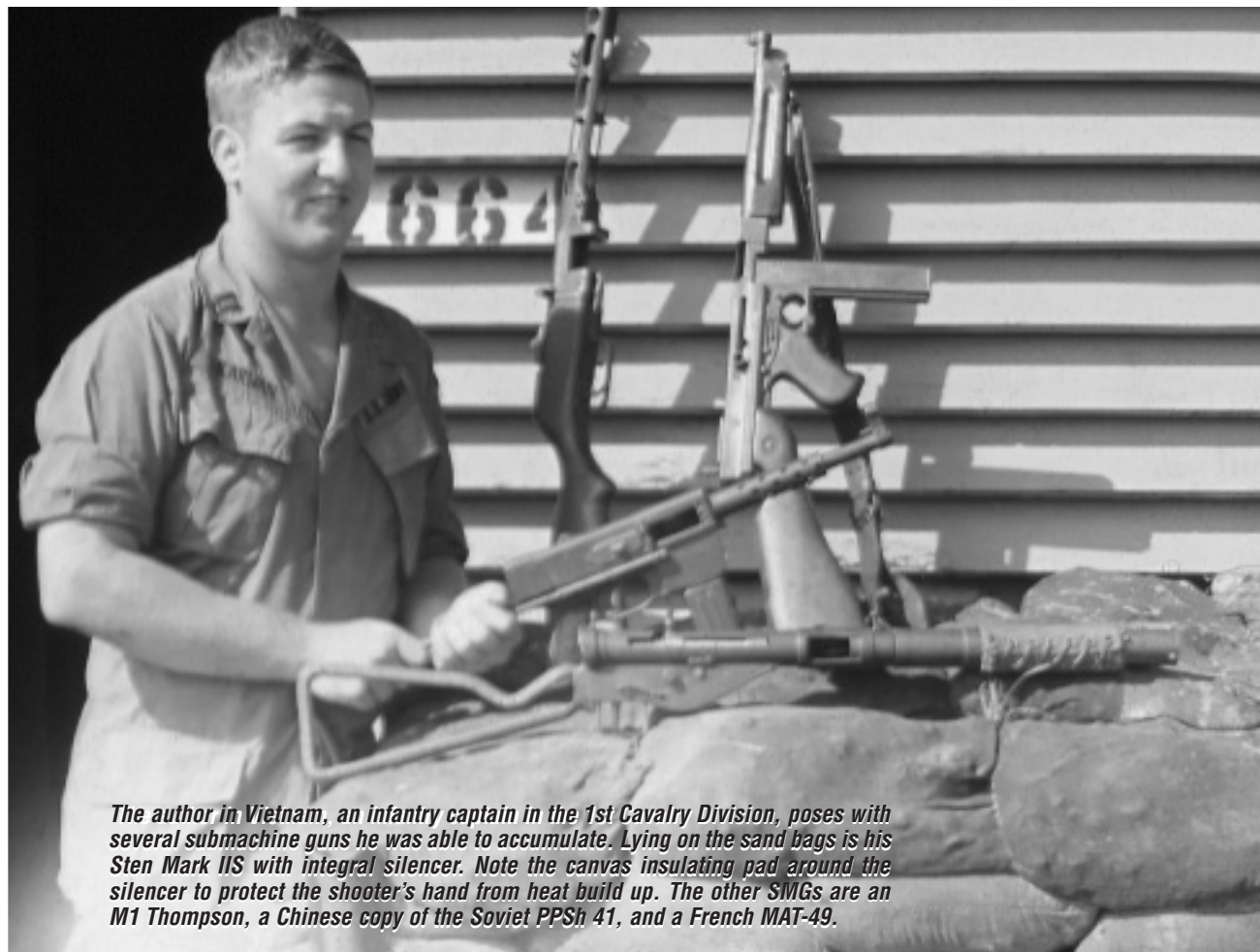
movements in Asia and Europe particularly in Burma, France, Netherlands, Norway, Denmark, Poland, and Yugoslavia. The Danish resistance even manufactured their own copy of the Sten Mark II to supplement those supplied to them by air drop from England.

The Mark II Sten holds the distinction of being both the least expensive and the most expensive submachine gun produced during the war. Production cost in England ran as low as \$10.99 per unit — certainly one of if not the lowest cost for a SMG at the time. The story of the most expensive Sten SMGs produced during the war years is an interesting one.

### Counterfeit Stens

In the last months of 1944, the Mauser company in Germany was approached by the German high command to build 25,000 exact copies of the Sten Mark II right down to the markings. It is believed that these guns were intended for some high-priority clandestine operation where it was desirable to conceal the origin of the weapons. Most likely they were intended to be used by German soldiers dressed in British uniforms operating behind allied lines.

Mauser was supplied with two original Mark II Stens to reverse engineer and succeeded in tooling up to produce the guns in a



*The author in Vietnam, an infantry captain in the 1st Cavalry Division, poses with several submachine guns he was able to accumulate. Lying on the sand bags is his Sten Mark IIS with integral silencer. Note the canvas insulating pad around the silencer to protect the shooter's hand from heat build up. The other SMGs are an M1 Thompson, a Chinese copy of the Soviet PPSH 41, and a French MAT-49.*



*This Mark II Sten has the more commonly encountered tubular steel butt stock and the not so common detachable forward pistol grip.*



mere six weeks. Six weeks later, in early 1945, a production run of 25,000 to 28,000 was delivered, attesting to the ease of manufacture of this design. Mauser was paid what amounted to \$450 apiece for these Mark II Stens because of the rush nature and high-priority of the order. I am sure no other submachine gun made at the time cost nearly as much. These German produced Sten Mark II SMGs were designated the “Gerat Potsdam” (Potsdam Equipment), possibly something to do with its intended use. The effort came to naught with the German surrender a couple of months later.

Interestingly, Mauser also designed a Sten spin-off for issue to the proposed German “Volkssturm” or people’s militia. Called the MP3008, this SMG was quite similar to the Mark II except that the barrel was pinned to the receiver, and the magazine

housing — adapted to use the standard MP40 magazine — was fixed with a vertical rather than horizontal orientation. About 150 MP3008 prototypes along with production drawings were supplied by Mauser to about a half dozen manufacturers. Possibly as many as 10,000 were made before the war ended. These were among the crudest production submachine guns ever manufactured, but they worked.

### **Learning To Love The Sten**

I have a lot of experience with Stens, particularly with the Mark II. I fired my first specimen as a cadet at West Point circa 1967 and have owned registered examples for over 30 years. I even had a silenced Mark IIS in Vietnam.

The Mark II weighs only 6.65 pounds empty and is only 30 inches in length

overall. That makes for a mighty handy little gun. To put this into perspective, the German MP40 weighs 9 pounds empty and measures 32.8 inches OAL with its stock extended. The M1A1 Thompson weighs 10.45 pounds empty with an OAL of 32 inches. The Soviet PPSH-41 weighs 8 pounds empty and is 33 inches in length. As you can see, in spite of its all metal construction and fixed stock, the Mark II Sten is one of the lightest and handiest of the World War II SMGs. If a shorter SMG was needed there was even a special pistol grip that could replace the butt stock. This cut the length down another 8 inches for special operations.

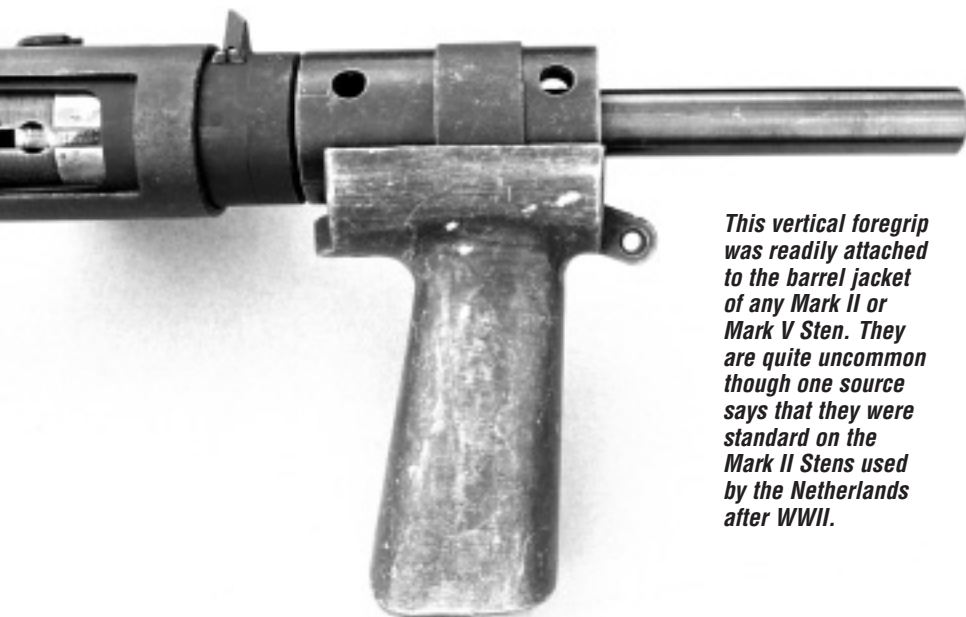
### **How Effective Was It?**

The sights on the Mark II consist of a fixed peep sight calibrated for about 100



*The slot in the receiver for the bolt handle will allow dirt and sand into the weapon’s mechanism. However the Sten is remarkably tolerant of such debris.*





***This vertical foregrip was readily attached to the barrel jacket of any Mark II or Mark V Sten. They are quite uncommon though one source says that they were standard on the Mark II Stens used by the Netherlands after WWII.***

yards and a dovetailed front sight that allows zeroing for windage. The front sights are commonly seen in two different configurations, an inverted V and a conventional post. The latter is my personal preference.

Once the sights are zeroed for the shooter, I find that it is quite easy to hit man-sized targets out to well beyond 200 yards. All the British Stens are selective fire via a cross bolt selector in front of the trigger group. Pushed in from the right, the weapon fires full automatic. Pushed in from the opposite side, it fires semiautomatic. All firing is from an open bolt with a fixed firing pin.

Open bolt firing is not conducive to accuracy but I have been pleasantly surprised at how well the Sten will shoot. Firing semiauto, head shots are a cinch out to 75 yards.

Thanks to the light recoil of the 9mm cartridge and the moderate rate of fire of 550 rounds per minute, the Sten Mark II is quite controllable in full auto. The gun does climb slightly but a skilled shooter can keep a three round burst on a man sized target out to at least 75 yards.

I find that I like the side feeding magazine a lot better than a bottom feeding magazine because it allows you to get down low to the ground or behind cover. It also allows a more comfortable offhand shooting stance.

The Sten employs a double column magazine with single position feed copied from the German MP28 magazine. The standard magazine holds 32 rounds but the Sten can also utilize the similar Lancaster 50 round magazine. All the Stens are extremely reli-

able as long as you have good magazines in good repair. In my experience the best magazines are those made in Canada. Over 34,000,000 Sten magazines were manufactured during the war and they are extremely common and inexpensive on the surplus market. Sten magazines are very difficult to load without a magazine loader, which was supplied in several variations.

## **Variants And Accessories**

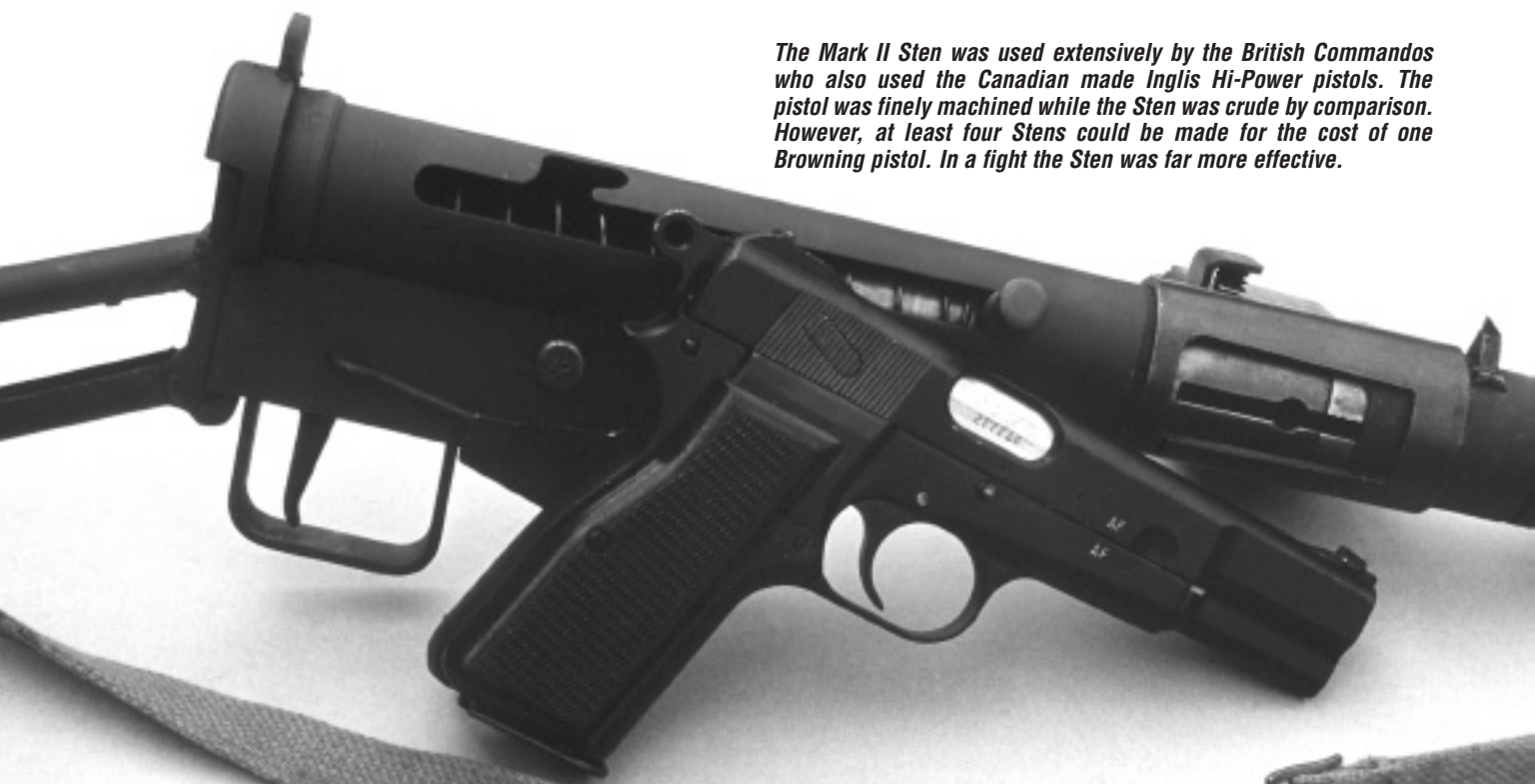
Among the Mark II Stens there are a number of sub-variations. Butt stocks are seen in two varieties. The most common is a straight tube with a butt plate and pistol grip welded to it. The other has what is called a skeleton stock made from a U-shaped metal strip that is shaped like a conventional rifle stock in profile. I find the skeleton type to be the most comfortable to use but both are satisfactory.

A detachable vertical foregrip was developed for the Mark II late in the war. Reportedly it was adopted as standard by the Netherlands for use on their Stens in the post-war period. I have one of these foregrips and like it very much for full automatic shooting as it helps control muzzle rise.

The safety on a Sten is both effective and as simple as it gets. Pull the bolt fully to the rear and turn the bolt handle into the safety notch. To take the gun off safe you simply pull the bolt handle back slightly and turn it to the right.

## **The Run-Away Gun Problem**

One safety problem occasionally seen with the Sten and other open-bolt SMGs is related to carrying the gun with the bolt forward on an empty chamber and a loaded magazine



***The Mark II Sten was used extensively by the British Commandos who also used the Canadian made Inglis Hi-Power pistols. The pistol was finely machined while the Sten was crude by comparison. However, at least four Stens could be made for the cost of one Browning pistol. In a fight the Sten was far more effective.***



*The Sten magazine is difficult to load to its full 32 round capacity without the use of a magazine loader. Two versions are shown.*

inserted. Remember, the Sten fires from an open bolt in a slam fire fashion. If the muzzle is elevated, and the heavy bolt is moved to the rear by jumping off the back of a truck or into a ditch the gun can fire accidentally. Inertia may cause the bolt to run back sufficiently to strip a round from the magazine, but *not* far enough to allow the sear to retain the bolt in the open position. Naturally the bolt will then go forward under spring pressure and fire the bolt round in the magazine.

This proved to be enough of a problem that some later versions of the Mark II have a simple modification that solves the problem. The bolt handle was lengthened and a hole was drilled into the left side of the receiver in line with the bolt handle at its forward most position. With the bolt forward on an empty chamber, simply push the bolt handle inward and it will enter the hole in the receiver, locking the bolt for safe carry.

### Full Auto On The QT

Probably the most interesting Mark II variation is the Mark IIS, which has an integral silencer. This was the first submachine gun produced in quantity with a silencer and

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probably the most prolific as well. It appears that there were several different variations of silencers used with regard to length, diameter, and internal construction. All use a shortened, ported barrel that bleeds off enough gas pressure to lower the velocity of the bullet to subsonic levels, about 1,000 fps. A lightened bolt and recoil spring were necessary for proper function.

The Mark IIS is extremely quiet, on the level of a pellet gun, and there is absolutely no muzzle flash, making it excellent for night operations. However it had ballistics about like a .38 Special revolver. Consequently it was best reserved for close range work and head shots. To preserve the silencer's useful life it was highly recommended that the Mark IIS be fired only on semiautomatic. They will work quite well on full automatic but the silencer rapidly heats up to an incredible degree. That is why an insulated cover for the silencer was standard issue on this model.

These silenced Stens were used extensively by British and allied special operations units and resistance forces. Probably the most significant incident involving the Mark IIS during World War II was its use by a British Commando team in a raid on Erwin Rommel's North Africa headquarters. This effort to eliminate the brilliant German general failed due to Rommel's absence, but thanks to the quiet operation of the silenced Stens many members of his staff were removed from the German war effort.

The Mark IIS saw fairly extensive use in Vietnam by Special Forces recon teams doing cross border operations. Often operating where our government could not admit, they needed weapons not directly attributable to the U.S. Even though I was in a regular infantry unit at the time, I was able to scrounge up one of the silenced Stens for my own use. Ammunition for it came from the Australians and I was quite amazed at how quiet it was. Before I left country that Mark IIS was donated to the West Point Museum where it is currently on display.

The Mark II Sten was also the primary weapon used by the U.S. 10th Special Forces in the early '50s when they were doing many clandestine cross-border operations into Eastern Europe.

The humble Sten saw an incredible amount of action in World War II and continued in use well after. They were used extensively in Korea, in Malaya, on Cyprus, and in the Mau Mau uprising in Kenya. It was procured and issued in the post-war period by the Netherlands, Israel, Finland, Taiwan, and many other countries because they were cheap, plentiful, and they worked well. Communist China even converted many to their 7.62x25 cartridge for domestic use. Not a bad record for a gun that was basically a stop gap.

Stens in general, and the Mark II in particular, definitely deserve greater respect than they typically get. Once you get by the Sten's crude looks you find a highly capable weapon with considerable historical significance.



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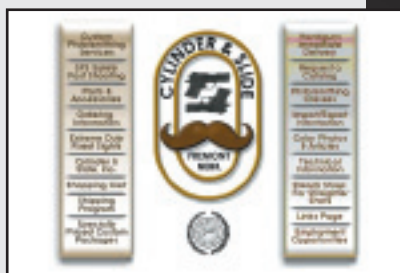
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**By Massad Ayoob**  
**Photos By Ichiro Nagata**

# **A CIA Investigation**

***Some consider it a knock off of the  
most popular, small Smith & Wesson.  
The shooter who  
experiences it finds  
it to be much more.***

**M**any years ago, Smith & Wesson pretty much created Taurus Forjas of Brazil to produce inexpensive revolvers remarkably similar to their own. As the years passed, Taurus' reputation improved for two reasons: improved quality, and innovative approaches to making good guns better.

In 2001, Taurus introduced a small frame revolver remarkably similar to Smith & Wesson's Centennial hammerless series. Bob Morrison, Taurus' affable and industry-wise CEO, jokingly declared it was named the CIA for "Carry It Anywhere." As it turns out, this appellation is accurate. But the more you shoot this endearing little revolver, the more you discover CIA stands for other things, too.

## **Centennial, It Ain't**

Centennial is, of course, a Smith & Wesson registered trademark. Despite a pronounced, and therefore understandable, external resemblance between the Taurus and the S&W, there exist subtle internal differences.

New S&W J-frames utilize an integral locking device located above the cylinder latch thumb-piece. On the CIA, the keyway for an earlier hammer locking device is located high on the back-strap of the grip-frame.

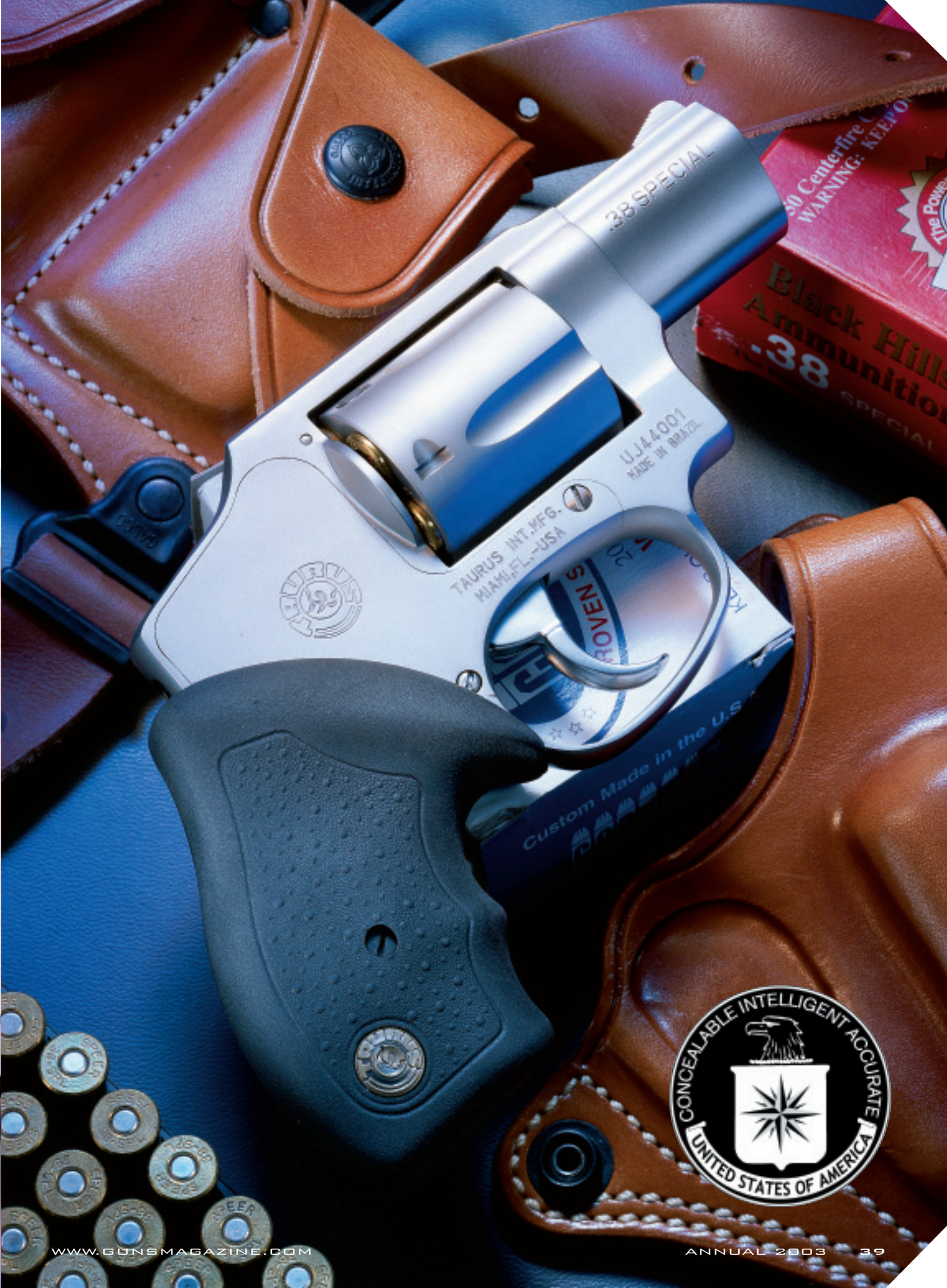
Taurus' Model 850 was the test gun — an all-

Photo by Massad Ayoob

*A small frame  
"snubby"  
requires skill to  
shoot well, but  
it's hard to  
argue with  
results like this.*











*Five-shot cylinders place the locking bolt notches between the chambers rather than directly over them. The result is an extremely strong cylinder.*



*Taurus' integral safety system is there if you need it, yet non intrusive.*



stainless .32 frame hammerless rendered as a five-shot .38 Special, for which there no longer exists a direct analog in the S&W catalog.

S&W's all stainless Centennial fitting this description, the Model 640 has been dropped in favor of the Model 640-1 in .357 Magnum.

And the 640 and 640-1 are by no means identical. The latter has a big, squared off underlug below the barrel. Its barrel measures 2½ inches long, not 1½ inches like the old slim barreled .38 Special. It also has a beefed up and squared off frame. The 640-1 fits very few tightly molded 2 inch J-frame holsters.

### **Carries In All J-frame Holsters (Almost)**

Though it also has a full underlug barrel, the Taurus Model 850 fits most standard 2 inch J-frame carry leather because it also has a 1½ inch barrel.

It fits fine in Alessi, Bianchi, Blocker, Bucheimer, Heiser (Okay, so I'm old), Hunter (Okay, so I'm cheap), Kramer, Sparks, Safariland, and Uncle Mike's hip, shoulder, and pocket holsters. It's easier to say what it doesn't fit: two ankle holsters, an Alessi and a DeSantis, both tightly boned for the tapered 1½ inch barrel of the traditional 5 shot S&W .38.

### **Concealability Is Ample**

Taurus sells these guns with their own rubbery grips that have

a low profile bumpy surface. They stick back a little from the frame, just enough to give the average adult male's hand good trigger reach on this small frame gun. But not so much that concealability is greatly impaired.

In a book I wrote more than 20 years ago, I postulated that one of these little snubbies could be carried concealed under any dress code short of a nudist colony's. Nothing since has changed my mind. And the proliferation of fanny packs and gun-concealing hand purses and fake Daytimers since spawned may make even the nudist camp thing doable.

### **Celeritously Into Action**

The great police handgun expert Paul B. Weston first noted the spur of a conventional double action revolver hammer resembles a fish-hook. Which is why it seems to snag on everything when drawn, especially from deep concealment. Not so with the sleek, streamlined and snag-free internal hammer design of both the Centennial and the CIA. The CIA's front sight is ramped. There is simply nothing on the gun to catch on clothing during a draw.

### **Can't Ignite Accidentally**

Well, "can't" is almost always too strong a word. But a double action only (DAO) design like this is certainly the least likely to unintentionally ignite a primer. Neither misfortune nor stupidity can accidentally cock its internal hammer, which creates a hair

*Ayoob found the CIA to work well in gloved hands.*

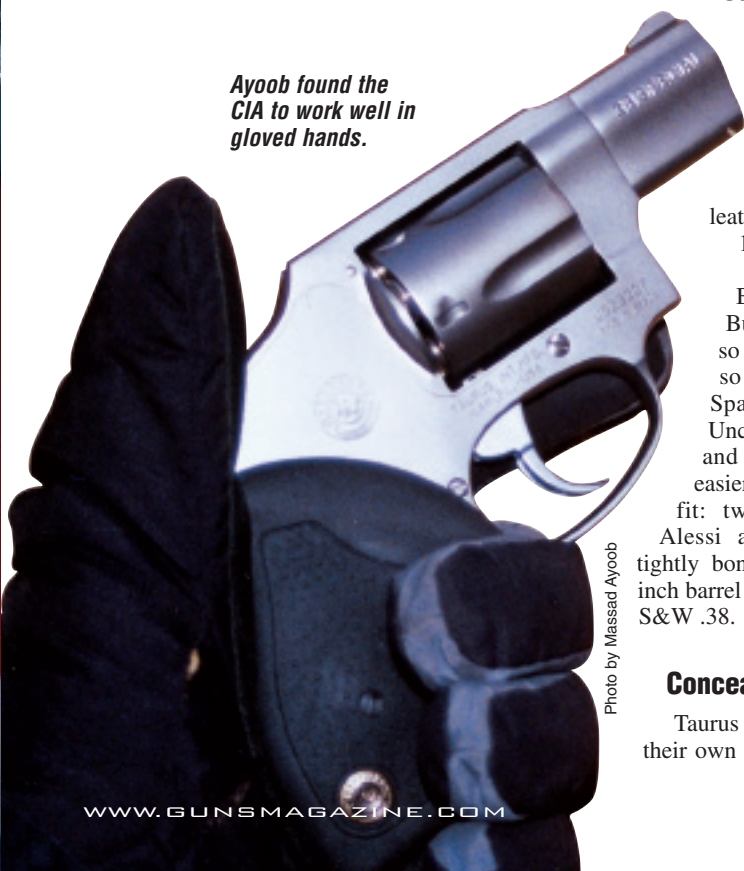


Photo by Massad Ayoob



trigger single action effect that could set the stage for an accidental discharge. A DAO revolver is probably the safest (and most litigation resistant) of all modern handguns.

### **Coincidentally Introduced Advantageously**

At the time the British and their minions at Tompkins, Ltd. made the unbelievably stupid mistake of jumping in bed with the Clinton Administration, the Centennial was S&W's best selling small revolver. And for some years it was their best selling revolver, period.

That settlement outraged the gun buying public. National Rifle Association, Second Amendment Foundation, and Gun Owners of America ferociously turned on S&W. Almost as one entity, the gun enthusiasts of America boycotted S&W products, and damn near put the company out of business.

Countless loyal S&W employees who vehemently opposed the decision lost their jobs, and the company almost sank, being purchased for a fraction of its former value by a team led by former Smith & Wesson exec Bob Scott.

It was during S&W's darkest hour that Taurus introduced their clone of S&W's most-desired concealed carry revolver. This helped the CIA become an instant sales hit. With S&W now in American hands, the benighted agreement tacitly foresworn by the new management and ignored by the Bush Administration, gun buyers are forgiving and forgetting.

But those who examined the Taurus product out of a desire to avoid supporting S&W found that the little Brazilian revolver had a lot to offer on its own merits.

### **Cool, Impressive Action**

For some years now, the action of the small frame Taurus has stood up very well in comparison to its progenitor, the industry standard. The action of the test Model 850 is no exception. At what feels a mere 10 pounds of pull weight, the trigger rolls back smoothly against continuous, even resistance. This is the kind of one stage trigger pull — short, slick, decisive — you want for an emergency defense weapon that functions double action only.

### **Consistent Indentation of Ammo**

With a defensive handgun, you begin with reliability. I tested a half dozen brands of ammo in the Model 850: the "big four" plus two of the best small OEMs (original equipment manufacturers). The little revolver proved tight and perfectly timed, giving every indication each chamber aligned perfectly as the hammer fell.

There was but a single misfire. A centered firing pin struck a CCI Blazer's Berdan primer and just didn't indent deep enough. After examination, I plugged it











*A look under the hood  
shows the CIA's simple,  
proven lockwork.*

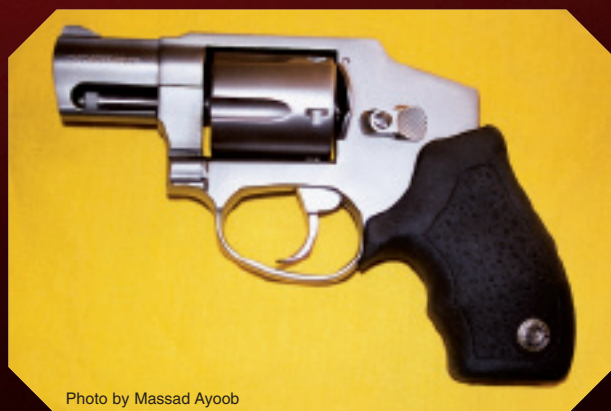


Photo by Massad Ayoob



back in the gun and it shot. No other failures of any kind to report.

Ejection was smooth and clean, executed with a sharp rap to the ejector rod and the gun held upward, necessary for revolvers with short rods. No undue friction held spent casings in the cylinder, and the clean punching out of spent shells indicated chambers polished as smooth as they appear to the naked eye. Which is to say, more than adequately smooth.

### Controllable Inertia Absorption

Make no mistake, small-frame .38s kick when you shoot ammo that stops a fight, i.e., the type you want loaded in a gun like this when carried for self protection. The solid all-steel construction brings its weight into the low 20-ounce range, but that's still light.

I found the Model 850 very pleasant to shoot, despite extreme cold sensitizing a gun hand already in the grip (no pun intended) of an arthritis attack. It being heavier than Taurus' Ultra-Lites or Total Titaniums certainly helped. But what I think helped more was the effective recoil absorption of the just right composite grips.

The grips don't stretch all the way up to the high horn at the back of the hammerless frame. But this doesn't mean you can't get the web of your hand up to this point. This lowers the bore axis proportionally, and is probably the real reason so many gun experts prefer the Centennial to, say, the Chief Special or the Bodyguard configuration in the S&W line. The same holds true for the Taurus 850 compared to its standard configuration sibling, the Model 85. Even with the hottest +P ammo, the gun was no problem to shoot. With lighter loads it was downright enjoyable.

### Cold Inhibits Accuracy

This publication's schedule and my own do not always coincide well. Deadline was fast approaching, and it was shoot now or don't shoot at all. Now, unfortunately, came late on a winter's day with temperatures well below freezing before factoring in the con-

siderable wind. Wind chill factor sank close to zero degrees Fahrenheit. There was also that little problem of cold-enhanced arthritis.

Many double action revolvers don't work in a gloved hand. In service revolvers, the glove material tends to fill up the trigger

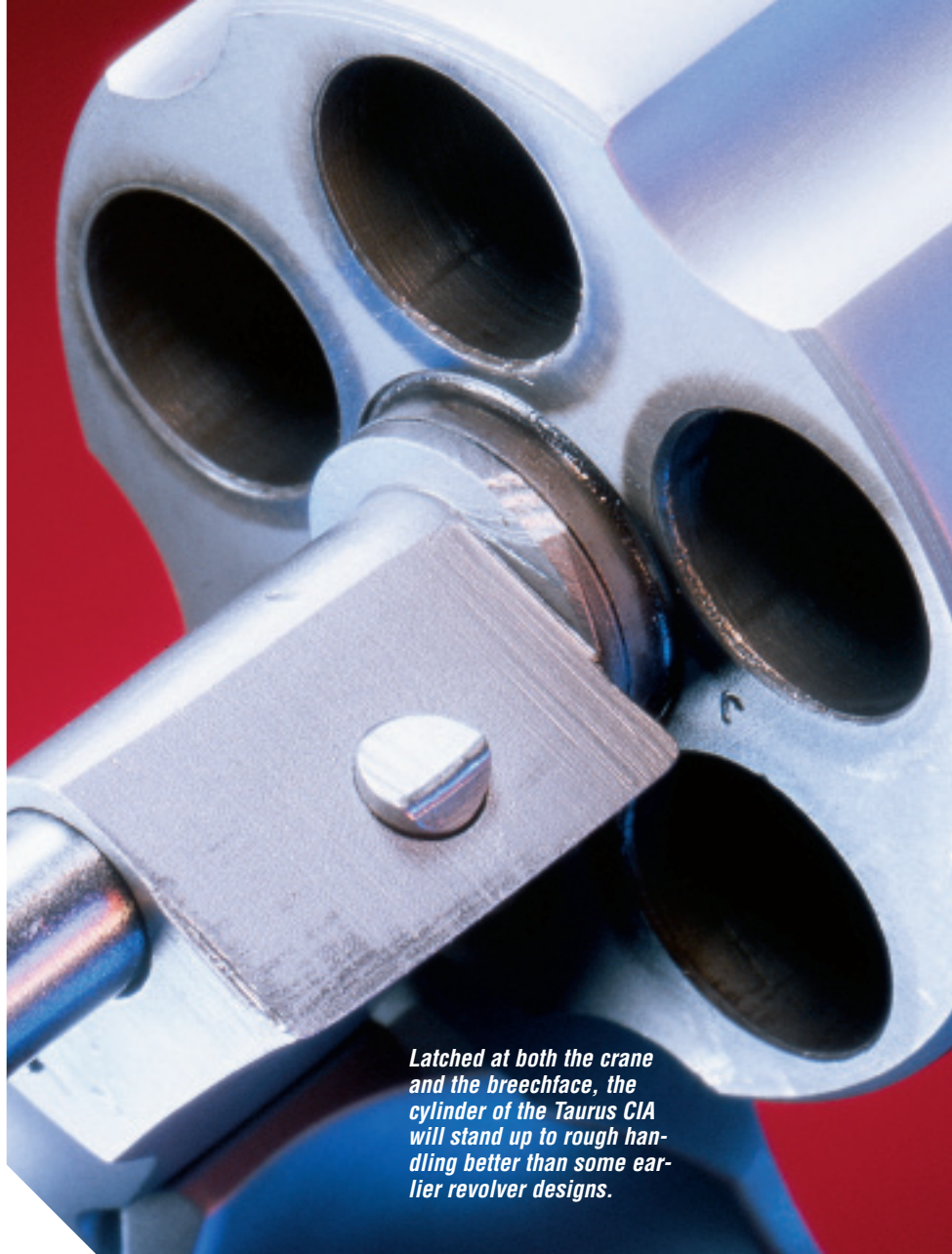
guard and block the trigger's return, often altering a sixshooter to a single-shot at the worst possible time.

Fortunately, the small-frame Taurus' trigger lies well back in its guard, leaving substantial room between the trigger's frontal surface and the front of the guard. Wearing warm Thinsulate gloves, I operated the Model 850 without a single bobble.

However, this also reduces the sensitivity of finger/trigger contact. Put simply, it doesn't help accuracy any. However, numb fingers that feel about to break off from the hand are even more deleterious to precision shooting.

### Cranks Through Inclement Air Turbulence

Hand held and from a bench rest, testing was performed at 25 yards. Each five shot group would be measured twice, once for all five shots and then for the best three.



*Latched at both the crane and the breechface, the cylinder of the Taurus CIA will stand up to rough handling better than some earlier revolver designs.*



*Photo by Massad Ayoob*





***Reliable, accurate and weatherproof — regardless of your requirements, the CIA is up to the challenge.***



Experience taught me that with good sight picture at the time of the shot, the second measurement would come awfully close to all five with the same gun/load combo out of a Ransom Rest, which I didn't have available. A test I conducted with Charlie Petty in the May/June 2002 issue of *American Handgunner* validated the "best 3 vis-à-vis 5 from the Ransom" concept.

However, notice the mention of good sight picture. The sun was setting right in my eyes, and the strong wind whipped what dirt wasn't frozen into a sandstorm. Someone of my ancestry should not be uncomfortable shooting in sandstorms. But it still isn't fair to the gun.

This old blind shooter grabbed two boxes of ammo he didn't intend to. Wanting to test Remington 158 grain +P all lead .38 Special, I instead glommed a box of Remington 125 grain SJHP +P .38. A reach for current production Black Hills .38 Special brought up instead a box more than 10 years old from the firm's predecessor, Black Hills Shooter's Supply.

Off went the shots. The old Black Hills stuff perked just fine, putting all five shots in about a 6 inch group and the best three in about 2 inches. The Remington did about the same. Both were 125 grain +P, often recommended for short barrel defense guns such as this one.

The CCI Blazer was their 158 grain TMJ (total metal jacket) +P load. I've seen this stuff run hot (almost 1,000 feet per second in one chronographing in Florida, true +P+ potency). I've seen it run lukewarm (one batch didn't make the light 125,000 power factor of bullet weight times velocity at the 2001 Winter National Championships of IDPA at S&W Academy). But whether the given batch is loaded mild or wild, it's always relatively consistent, and always very accurate. In bad, fading light, not to mention wind, it gave me a 4 1/4 inch group at 25 yards, with a three shot measurement of only 1 inch.

Federal's famously accurate super mild Mid-Range Match wadcutter, recommended in some quarters for self defense, sent five 148 grain slugs into a head-size 5 1/2 inch group, with the best three in just under 2 1/4. Winchester's +P

130 grain SXT JHP would have been in a sub 3 inch group but for a flyer that extended the total measurement to over 5 inches, though the best three were in a satisfying 1 1/2 inch cluster.

Pro-Load's 110 grain with the Gold Dot bullet, one of the few standard pressure loads in their Tactical series, had the lightest



**Taurus five-shooters  
in both conventional  
and "hammerless"  
configuration com-  
pared to a S&W  
Centennial.**



Photo by Massad Ayoob

recoil of any true self defense load in the test. It put all five shots into 4¼ inches, and the best three into 1½ inches.

As the sun sank below the horizon, I felt this was adequate accuracy for a 2 inch .38 at 25 yards. Most people only test them at between 7 and 15 yards, but I also knew it wasn't the best the gun could do. The outdoor gun club in question shuts down shooting half an hour after sunset, and I barely had time enough to shoot a fast qualification.

Using the Black Hills and Remington 125 grain +P, which tended to shoot a bit low out of this gun, I ran myself on a quick 50 shot "off duty and backup gun" course approved by my state's Police Standards and Training Council. The cold was truly bitter now, and I shot the whole thing gloved. There was a little fumbling with the J-frame HKS speedloaders, which would work better in this gun with just a tad of material taken off the left half of the grip.

At the 4 yard line, it's a gunload one-hand-only with each hand. Here the little Taurus came into its own. Dead on sights put five SJHPs into about an inch with the strong hand, and maybe double that weak hand only. Back at 7 yards, the group started to open up, but every shot would still hit a human heart. By now the sun had set, and I had to turn on the headlights of my car in the parking lot. These silhouetted the sights nicely, and by the time the 10 and 15 yard shooting was done, there were 50 holes well inside the IPSC target's

center "A-zone," a perfect 250 out of 250 score with a group that measured 4¾ inches. I was reminded how much difference being 10 yards closer can make with a snub-nose revolver.

As I cleared the outdoor range, I realized the weather and light and the shooter's frailties had not provided the gun a fair test. I also realized the indoor range, authorized for 24 hour shooting, was accessible. And warm.

### **Come Inside For Accuracy**

The indoor range at the club in question, Pioneer Sportsmen in Dunbarton, N.H., allows only lead or frangible bullets under 1,000 feet per second. All I had with me that fit this bill were Federal Match wadcutters. The indoor range measures 50 feet, not 25 yards.

Braced on a bench, I squeezed off five shots. *Voila!* The 50 foot group measured 1¾ for the five shots, with the best three in a sub half-inch cloverleaf! Add half again the size for half again the distance, and it extrapolates to just under a 2 inch, five shot group potential at 25 yards. That's the best I can do with a Smith 640 or the Taurus Model 85 — on a good day, not on demand — and it proved the Taurus CIA can do it, too.

Hey, maybe the gun was as grateful as my body that we were someplace warm and well-lighted. But what we did together proved the Taurus CIA works in the cold and

dark, where it's most likely to be employed.

### **Crummy Inadequate Alibis**

"Waahh. It was cold. It was dark. It was windy. My hand hurt. I'm old and blind. There was sand in my..." Well, there probably actually was a little sand in my gun. Enough of it was blowing. If any got into the mechanism, I didn't feel it. The wee wheelgun kept perking right along.

Hey, look, I'm sorry for all the whining. But you needed to know the Taurus didn't really get a fair test out in the frozen gloom. With everything put together, though, I thought the little belly gun came through with flying colors. One misfire with a type of practice ammo often associated with hard primers? I'm not gonna lose sleep over it.

### **Cash Investment: "A" grade**

A Taurus 850 stainless .38 Special "hammerless" starts at \$375 suggested retail. A conventional style Model 85 stainless starts at \$345 and a Smith Model 640, \$526. The Taurus Model 850 CIA is a helluva good little gun, and it's nothing less than a helluva good deal.



### **For More Information**

Taurus USA  
(305) 624-1115  
www.taurususa.com

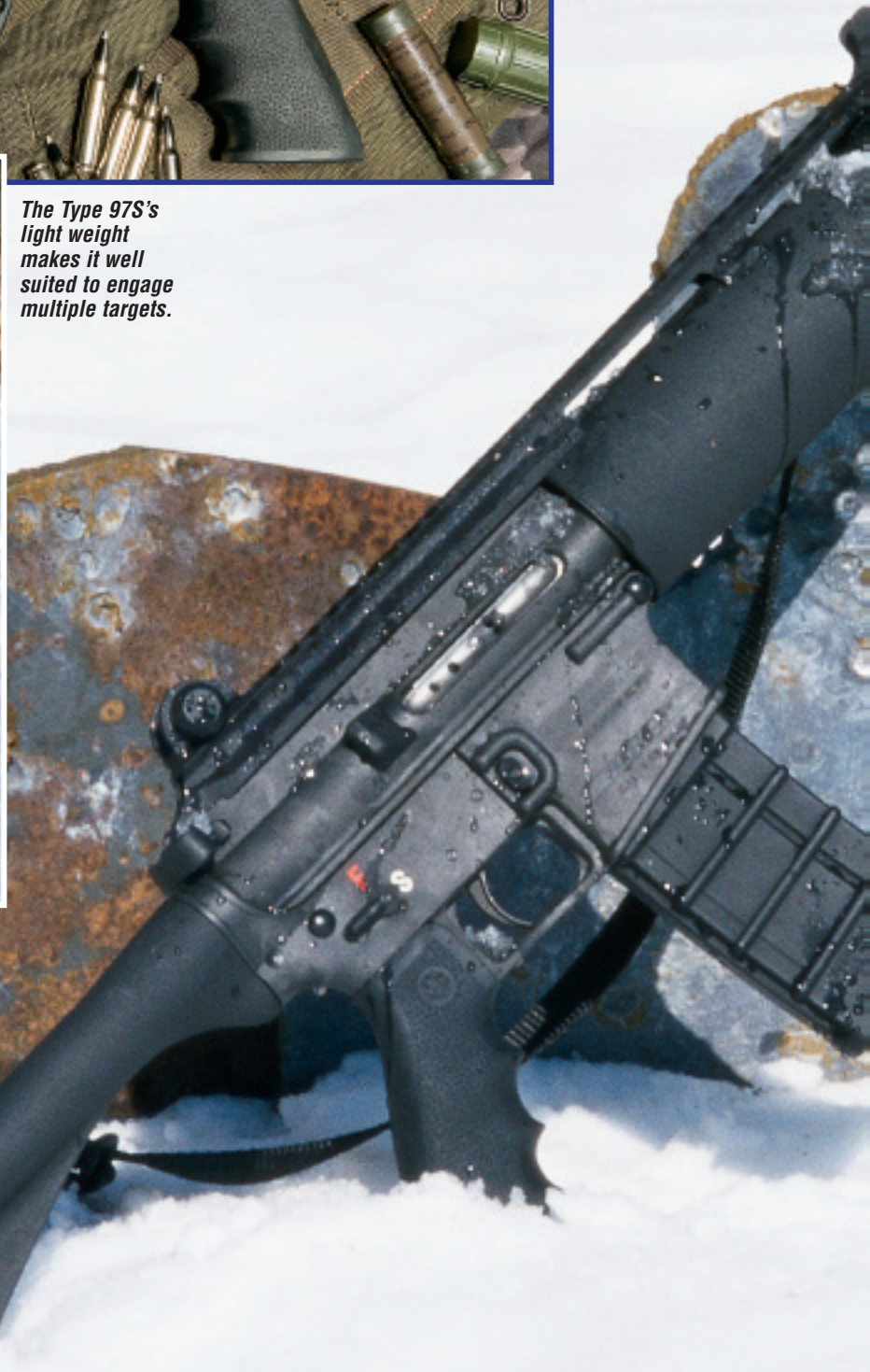





*Standard Hogue Overmolded pistol-grips and an ambidextrous safety. An extended charging handle catch, like such offered by Badger Ordnance, would be a welcome addition.*



*The Type 97S's light weight makes it well suited to engage multiple targets.*







# Carbon Copy of One

**By David M. Fortier**  
**Photos by Emily K. Fortier**

## **Foot-deep in snow, a writer wrestles Professional Ordnance's Type 97S**



*Shooter's eye view of the Type 97S's muzzle flash. Depending upon ammunition, it can be almost thermonuclear. Note the rifle's wetness.*

**M**att and I snowshoed towards the steel silhouettes to check the groups we just fired. They were all dead center.

"I'd reckon the sights were on," Matt said nodding at the test rifle.

I popped out the empty magazine and verified the bolt was locked to the rear as we snowshoed back to the firing point. Halfway there, I looked at Matt.

"You ready to start stress-testing this thing?" I asked him.

I flung the empty rifle over my head, a partially filled magazine following it. They both momentarily disappeared into the deep snow. From that point on, we spent the rest of the day abusing the test rifle, throwing it to land half-buried in deep Maine snow with no magazine and the bolt locked back. With a cold mag pulled from the snow and slammed home, we engaged





**Buttstock design is a simplistic departure from a conventional AR's stock. Though spartan, it works fine.**

a variety of steel silhouettes.

Snow filled the action and steam poured off the barrel as we cranked magazine after magazine through the rifle. We never cleared the barrel, though snow filled the muzzle-brake. Empty steel cases littered the snow and the round count climbed and the rifle kept on hammering. The count climbed to 250 rounds, then 400, 600, 800, until the case of

Wolf FMJBT's was gone. We put 1,000 rounds down range, all while utterly abusing the test rifle. And neither cleaned nor lubricated, with the testing temperature well below freezing, that rifle never malfunctioned. Not once.

Test rifle: 1. Harsh Maine Winter: 0

### **Mr. Plastic, Meet Mr. Carbon**

Normally if I abuse a rifle and it keeps

shooting, it's probably a Kalashnikov. Maybe a DSA FAL. Both earned reputations for being reliable in the harshest conditions. But here I'm talking about none other than a modified Stoner design, a Professional Ordnance Carbon-15 Type 97S. A good ol' American-designed and American-manufactured AR.

A radical ultra-lightweight, the Type 97S is a modified AR-15 built with carbon fiber technology. Tipping the scales at a scant 4.3 pounds, Professional Ordnance's 5.56x45 Type 97S gives new meaning to the term





carbine. Incredibly weightless, this rifle is a viable option for those who travel well-off the beaten path carrying everything they need on their back. It will find favor with anyone desiring a lightweight and compact rifle, man or woman. But being 20 percent lighter than an M-1 carbine, questions of reliability and durability beg to be asked.

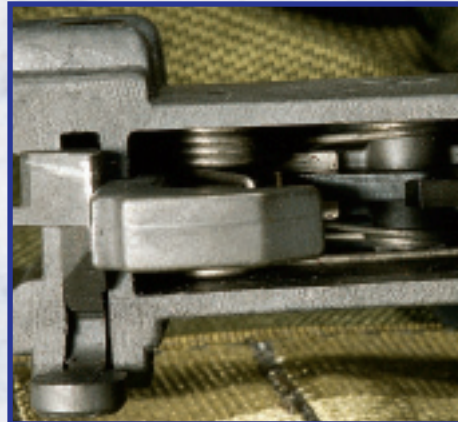
An already light rifle, carbon-fiber composites and redesigning make the AR-15 even lighter. And much of the Type 97S is fabricated from carbon fiber composites, including the upper and lower receivers,



*During testing the Type 97S proved both balanced and quick handling.*



*Close-up of the rifle's internals. Our test rifle came with an excellent two-stage trigger — crisp and light.*



*Toss the Type 97S into the snow and watch it go. The mag removed and bolt locked back ensured snow filled the action. Retrieve the mag, drive it home, and engage multiple targets. Despite the abuse, it ran, how do you say? Flawlessly.*

*A close-up of the bolt carrier assembly after digesting 1,500 rounds. While dirty, it ran flawlessly. Also note the rounded locking lugs.*



*Excellent accuracy from the bench with optics, as this sub-MOA group shot with Black Hills 50 grain V-Max attests.*





**Rear sight is an "L" type with a ghost ring and fine peep easily adjustable for windage.**

buttstock and forend. But don't confuse carbon fiber with the much more common polymer used for firearms such as the Glock. Polymer predates carbon fiber, coming into existence in the '30s, and thanks to Gaston Glock polymer has figured prominently in the firearms industry since the 1980s. Carbon-fiber composites however were conceived in U.S. defense technology industries. Developed in the 1960s and then used with great success in both the Space Shuttle and Stealth fighter aircraft programs, carbon fiber is resistant to wear, self-lubricating, and ultra lightweight. In 1996, Professional Ordnance first introduced carbon fiber into the firearms industry. They have continued to refine it ever since.

Yet the Type 97S is more than just a carbon fiber AR. While the basic method of operation remains Stoner's direct gas impingement with a rotating bolt housed in a carrier, there are changes — the most obvious in the bolt carrier buffer and recoil spring. The Type 97S's bolt carrier is shorter and lighter than a normal AR-15's. The buffer is shortened. The recoil spring resembles a unit from a handgun. The bolt itself has been modified and features rounded locking lugs for a smoother and more efficient lock-up. It features a machined tool steel extractor redesigned to offer 58 percent more gripping surface. The extractor, bolt and carrier are all CNC machined and hard chromed to resist carbon build up and wear. The manner in which gas is tapped off the barrel has been refined. But like a Saturday Night street racer, all modifications are hidden from view beneath the hood.

### Physical Particulars

Picking-up the rifle, its lightness is striking. Upon inspection, it utilizes a number of interesting features, such as a quickly-detachable muzzle-

brake that works along the lines of an air tool's link-up to a hose. To remove the brake, pull forward on the locking sleeve. Professional Ordnance offers an adapter that allows for the use of any standard after-market muzzlebrakes, allowing an operator to mount a brake that best suits his needs.

The brake mounts onto a 16-inch stainless steel Wilson Match barrel with a 1:9 inch RH twist. Deep fluting reduces weight, improves heat dissipation by increasing surface area, and increases accuracy by making for a stiffer barrel. Stainless barrels provide long and trouble-free service life. In addition, each rifle is hand chambered for superior accuracy. To keep from melting your hands to the barrel, the Type 97S features a double-walled forend with a heat shield that incorporates an aerospace-proven Alumina Silica ceramic lining for minimum heat transfer. This unit covers a gas-block modified to feature an overpressure hole in the front that compensates for different ammunition. In addition, the gas tube is heavy-walled stainless tubing twice as thick as a Mil-Spec unit.

The lower receiver resembles a standard late model AR-15's lower with a fenced magazine release. Any Mil-Spec parts drop right into it. But there are some differences. The winter folding triggerguard has been dispensed with. It sports an ambidextrous safety machined from aircraft-grade aluminum. For comfort, a Hogue OverMolded pistolgrip is mounted. This unit is a nice improvement over a stock A-2 grip.

The upper receiver features an A-2 style brass deflector, allowing the rifle to be fired from either shoulder. A full length Picatinny rail machined from 6061-T6 hard-anodized aluminum is mounted and extends "Scout" style to the end of the forend. Integral iron sights are mounted onto this rail. The front is an A-2 type post adjustable for elevation flanked by protective ears. The rear is an "L"



**The Type 97S is chambered for the .223/5.56, second from left. Compare it to its peers, a 7.62x51 (left) a 7.62x39 (right), and a 5.45x39 (second from right).**



*Flame belches from the Type 97S as Matt Keene hammers rounds down range. The Law Enforcement model of the Type 97S comes equipped with a flash suppressor to eliminate this issue.*

*Double-walled forend is insulated with Alumina Silica ceramic, preventing heat transfer to the operator's hand. Note the full length Picatinny rail.*



type with a ghost ring battle sight and 300 yard precision peep adjustable for windage and protected by rugged ears. The Picatinny rail allows a variety of day or night optics to be mounted anywhere in between the front and rear sight. I mounted an ACOG and was pleased to note that you could utilize the iron sights through the hole in its base.

The rifle features a 13.25-inch length of pull with the standard buttstock, which is quickly and easily removed by rotating a lever on the left rear of the lower receiver. The carbon fiber stock pops off. The stock is simple, its butt grooved to ensure it stays put once shouldered. A shorter unit is available to facilitate use with body armor. If required, the rifle can be fired with the stock removed, although the manufacturer doesn't recommend it. Our test rifle came with a well-

*Professional Ordnance utilizes aerospace technology that once sent astronauts to the moon.*





designed nylon 3-point tactical sling and a synthetic 30-round magazine.

### Number Of Reservations, Sir?

While the Type 97S looked impressive and felt good, I had some reservations. Though I read glowing reports by gunwriters in the past, I had heard of problems. One individual I both trained with and respect said he bought a Professional Ordnance rifle and found nothing but functioning problems.

I voiced my concerns to the company. They were frank, and admitted problems with earlier guns. But, they said, hard work and a shake down at the company fixed things. The bolt is now in its fifth generation, the gas-block its fourth. Professional Ordnance felt they had eliminated any problems. Their rifle now works flawlessly. Quite bluntly, they told me to "have at" their rifle and see what I thought of it.

Now when a company says, "Have at it," I am more than willing to oblige. Because though a failure of your television might

leave you frustrated, a failure of the rifle you bought for self-defense may leave you dead. So I gathered up 1,000 rounds of Wolf Performance Ammunition's 55 grain FMJBT load. Many AR owners shun Wolf's steel cased ammo for fear it might harm their delicate rifles, so I figured it would be just the ticket. I then stripped the rifle and wiped it completely dry, swapped the Hogue pistolgrip for an Ergo grip, and grabbed all the AR mags I had. With that, my shooting partner and I had at it.

### Having At It

During testing, I evaluated the Type 97S for 5 basic functions: handling, reliability, intrinsic and practical accuracy, controllability, heat dissipation, and flash signature. I ran it through some simple CQB drills on silhouettes to get a feel for it. I shot it pre-

dominately from the right shoulder and my partner Matt shot it predominately lefty.

In the hands the rifle was lightning fast. It was quick to the shoulder, the controls all operated easily, magazines ejected and inserted smoothly, and the sight picture was very good. Rounds chambered with conviction, and there appeared to be no need for a forward assist.

The trigger was excellent, a crisp two-stage that was light with almost no over-travel. Controllability on rapid fire was extremely good, superior to a regular 16-inch barrel AR in my opinion. In addition, the handguards did a fine job of keeping the heat away from the operator's hands. Heat build up was never an issue during testing.

*Type 97S easily strips for routine maintenance.*





*An ambidextrous safety allows the weapon to be easily deployed from either shoulder.*



## Accuracy And Velocity Chart

*Velocity readings taken at 32 degrees Fahrenheit with an Oehler 35P. Groups are an average of four 5-shot groups fired from a bench at 100 yards.*

<u>LOAD</u>	<u>VELOCITY</u>	<u>SMALLEST</u>	<u>AVERAGE</u>
<b>Black Hills</b> <b>50 grain V-Max</b>	<b>3,101 fps</b>	<b>.87"</b>	<b>1.18"</b>
<b>Black Hills</b> <b>68 grain Match</b>	<b>2,668 fps</b>	<b>1.5"</b>	<b>2"</b>
<b>PMC</b> <b>52 grain Match</b>	<b>2,836 fps</b>	<b>1.5"</b>	<b>1.91"</b>
<b>Sellier &amp; Bellot</b> <b>62 grain SS109</b>	<b>2,906 fps</b>	<b>1.68"</b>	<b>2.10"</b>
<b>Winchester</b> <b>50 grain Ballistic Tip</b>	<b>3,114 fps</b>	<b>1.87"</b>	<b>2.29"</b>
<b>Wolf</b> <b>55 grain FMJBT</b>	<b>2,941 fps</b>	<b>2.87"</b>	<b>3"</b>

Reliability-wise, the test rifle simply could not be faulted. I put 1,500 rounds through it (total), without so much as wiping it down or spraying it with CLP, and it ran flawlessly. In a similar manner, I put snow to an AR built by one of the "Big 3" and it didn't make it through two magazines. Judging by the performance of this test rifle, I would say any problems Professional Ordnance had are behind them. This rifle functioned fine in conditions that literally shut down an AR made by a reputable maker.

Practical accuracy was excellent for a weapon of this type. Simply put the front sight on target, and pound. It easily made fast hits. I was originally concerned the weapon's light weight would be detrimental to its shooting qualities. Like many people, I prefer a 12 pound or so rifle when shooting offhand. They just hang better. However, this rifle is so light, and the trigger good enough, that it was easy to shoot offhand. With the carbon fiber soaking-up the recoil, the rifle was very mild to shoot.

### Fire, Glass and a Football Player

To test intrinsic accuracy, I mounted a Leupold 6.5-20x50 Long Range scope and shot it off a Wichita rest at 100 yards. I used match loads by Black Hills Ammunition and





*Close-up of the Type 97S's action reveals ambidextrous safety, chromed bolt carrier, brass deflector, and no forward assist or dustcover.*

## **TYPE 97S SPECIFICATIONS**

### **Method of Operation**

### **Caliber**

### **Overall Length**

### **Barrel**

### **Twist**

### **Feed**

### **Weight**

### **Suggested Retail**

**Self-loading via direct gas impingement with rotating bolt**

**.223/5.56x45 NATO**

**35"**

**16" Fluted Stainless steel Match**

**1:9 RH w/6 grooves**

**Detachable box magazine, 5, 10, 20, 30, 40 and 120 round drum**

**4.3 pounds w/out mag or compensator**

**\$1,285**

PMC, ballistic tips from Winchester, Sellier&Bellot's SS109 load, and Wolf's 55 grain ball ammo.

Off the bench the little rifle proved surprisingly accurate. Five shot groups for all these loads averaged 2 inches. Our best group for the day was posted by Black Hills 50 grain V-Max, which plunked five rounds into .87 inch. Accuracy-wise this rifle can not be faulted. Plus, its extended rail makes it exceptionally easy to mount the optics that enhance its hit probability.

Muzzle flash, however, is severe. In daylight it's visible, in lowlight it's attention getting, in total darkness it's thermonuclear. Popping off the brake does mellow things out quite a bit (as does ammunition selection), and we shot it both ways to check the difference. So while the brake does seem to be quite effective, the flash signature is as bad as, if not worse than, an AK-103. Something to keep in mind. For Law Enforcement sales the rifle comes equipped with an A2 flash suppressor which eliminates this problem.

After testing was completed I broke the rifle down for a well deserved cleaning. While easily accomplished, it is slightly different than stripping an AR. The main difference being that the Type 97S doesn't break like a shotgun when you push the rear pin out. Instead you must push both pins out and separate the upper from the lower. Then the recoil spring and buffer are easily removed, as they are not held in place as on an AR. The rest of the stripping is basically the same.

Negatives? Only one. My testing partner is 6 foot, 2 inches and weighs 275 pounds. A football player in high school, he is a big boy. Now I'm not sure, and I didn't want to test this, but should he buttstroke someone just as hard as he could with the Type 97S, it

might snap. Though in all honesty, he could probably snap the stock on an M-14 were his adrenaline pumping. But for nitpicking, that's it.

All in all, I came away favorably impressed by the Type 97S. I was never a huge fan of ARs simply because of reliability. But the Type 97S scores high marks. Accuracy is all you can ask for, and certainly better than many service rifles I've fired. Ergonomics are good, as is handling. I came away confident of the rifle's reliability, and my ability to make hits with it. I enjoy getting out and about in the Maine woods and usually travel light. For such adventures in the future, the Type 97S will be a welcome companion.



**Leupold & Stevens, Inc.**  
[503] 526-5195

**Sporting Supplies International**  
(Wolf Ammo)  
[714] 635-4246

**Sellier & Bellot**  
[913] 664-5933

**Winchester, Olin**  
[618] 258-3566

## **Sources**

**Professional Ordnance Inc.**  
[928] 505-2420

**Badger Ordnance**  
[816] 455-3704

**Black Hills Ammunition**  
[605] 348-5150

**Eldorado Cartridge Company**  
(PMC)  
[702] 294-0025

**Falcon Industries**  
[877] 281-3783

*The forend proved comfortable, insulating the operator's hand from heat*





# ***Long Range Shooting*** ***— A Professional's Approach***

***A Look at the Training  
and Techniques of a  
Proven Long-range Rifleman.***





**Jeff Hoffman can select any precision rifle. His choice? Robar's splendid SR-60.**



## By Dave Anderson

An almost unbridgeable gulf separates those hunters who do not practice much and the small number of enthusiasts who successfully tackle the challenge of long range shooting. And this makes long range shooting a tricky subject to address.

For most hunters, 100 to 150 yards is about the limit of their sure-hit ability under field conditions. A 200-yard shot is a long one. And 300 yards is beyond their capability.

For the second group of enthusiasts, 500 to 600 yard first-shot hits are expected. And 300-yard shots are routine.

Neither group understands the other. The first group considers shooting game from long ranges unsportsmanlike. The second considers taking a shot at a standing, unwary game animal at 400 yards more sportsmanlike than shooting a spooked, running target at 100 yards.

When it comes to big game hunting, I believe any shot that requires me to hold off the animal is long range. But I'm still a bit old-school. I sight in for as far away as the cartridge trajectory will keep the bullet path within 2 inches of line of sight, and then hold high for longer shots. However, with today's ultra-reliable scopes and super-accurate rifles, this is a bit passe.

### A Serious Rifleman

Jeff Hoffman is president and co-owner (with his wife Kristi) of Black Hills

Ammunition. In the highly competitive field of ammunition manufacturing, this relatively young company has earned a reputation for quality. One of the reasons is because Hoffman is an outstanding shooter who demands high accuracy standards. During his competitive career, while a full-time law enforcement officer, he won many state PPC championships. And it was the need to reload so as to support his handgun practice that originally sparked Hoffman's involvement in the business.

Despite the demands of a successful and growing business, Hoffman continues to serve as a reserve officer on the local sheriff's department. His specific duty is that of a tactical marksman and his department-issue radio always hangs from his belt. His cased rifle and a backpack with accessories are always at hand. If necessary he can respond to a call within seconds.

Most situations requiring police rifle use are at relatively close range, from 40 to 100 yards. Hoffman practices diligently at such ranges, but also trains at much longer ranges. Should the necessity of a longer shot arise, unlikely though this may be, he must be prepared.

Hoffman also competes regularly in long range matches. On his private range near his Rapid City, S.D., home he has target frames at 100-yard intervals for sighting in and trajectory checks, and steel targets at various distances from 500 to 900 yards. I was fortunate to join him for one of his regular practice sessions.

### Best Quality Equipment

Hoffman's rifle is a .308 Win. SR-60





built by the Robar Companies. Robar uses a Remington 700 action that has been completely “blueprinted” — trued, squared, machined and honed to precision tolerances with smooth, reliable operation.

Locking lugs are lapped for full contact and the trigger tuned to a crisp 2.5 pounds. A stainless-steel match-grade barrel is fitted and the barreled action is bedded into a composite McMillan stock using aluminum pillars.

Robar’s exclusive Roguard finish is applied to the barreled action and NP3 to the bolt and internal parts. With match ammunition Robar guarantees 1/2 MOA accuracy. Hoffman’s rifle proves the truth of this guarantee and will easily keep all shots within 1/2 MOA with proper ammunition.

A rifle of this caliber deserves best-quality optics. Hoffman’s scope is a Leupold 6.5-20 Vari-X III with target turrets and mil-dot reticle. Ammunition, of course, is Black Hills .308 Win. match ammo, which is available with both 168 grain and 175 grain bullets, plain or moly coated.

### Preparation

In a real world situation, being able to hit with the first shot is absolutely critical.

Let’s see how Hoffman prepares for that vital first shot.

Preparation actually begins at the end of the previous practice session. Although his company markets both plain and moly-coated match ammunition, Hoffman person-

***“Although he carries and uses a laser rangefinder, Hoffman trains intensively in using the mil-dot reticle in his scope for estimating range.”***

ally shoots only moly-coated bullets.

For Hoffman’s purposes, the great advantage of moly-coating is that he can fire at least 80 rounds, sometimes up to 100, without any significant accuracy loss. With uncoated bullets he found it necessary to

clean after every 20 shots or so to maintain top accuracy. This not only takes valuable time from a training session but also increases bore wear.

Hoffman hasn’t seen any of the problems some claim to have encountered with moly-coating, such as moly build-up in the bore which is impossible to remove. He suspects that those who dislike moly may have used do-it-yourself kits and applied it improperly, or else concluded that no cleaning at all was necessary and fired several hundred shots without cleaning.

In his office, Hoffman has a .223 barrel from an AR-15 fired over 10,000 times with moly bullets and cleaned after every 100 rounds. The barrel has been sectioned lengthwise. The rifling has been completely eroded away for the couple of inches ahead of the throat. Nonetheless the bore is clean down to the bare steel; there is no moly build-up, no “baked-on” moly. The barrel still delivered good accuracy before being retired and sectioned.

With moly-coated bullets Hoffman can get in a good practice session without cleaning. At the end of the session while still at the range he cleans the bore using Iosso Bore Paste. The paste is claimed to remove





moly, copper, lead, powder fouling, and surface rust. Hoffman doesn't use brass bore brushes. He alternates between patches wetted with the Iosso bore paste and dry patches until the bore is clean. He cleans and lubes the bolt with Break-Free CLP.

Then Hoffman zeros the elevation and windage turrets of the Leupold scope, bringing them to a 100 yard zero, and fires one last 5-shot group. This both confirms the rifle is properly sighted and fouls the bore.

"Military shooters make a big deal of logging the point of impact of their first shot from a clean, cold barrel," Hoffman commented. "Maybe it's a military tradition that a rifle can't be put away until its been cleaned. I find I can count on better consistency when the first shot is fired from a fouled, cold barrel."

### Shooting Log

At the range, the first item of equipment Hoffman takes from his gear bag is not the rifle or ammunition. It is his shooting log, a book in which he documents every shot. He enters the date and location, weather conditions (temperature, wind direction and strength, precipitation if any), light conditions (e.g. clear, partly overcast, overcast), the rifle, scope, and lot number of the ammunition being used that day. In the zippered case with the book is a calculator.

Also in the case is a plastic-coated range card from Ballistic Systems. These cards can be made for practically any load, provided the ballistic coefficient and muzzle velocity of the bullet is known. They can show bullet path in increments of 25 or 50 yards, out to 500 or 1,000 yards. They show bullet drop, the appropriate minute-of-angle correction, bullet drift, and adjustment for 5, 10 and 15 mph winds. The back of the card provides useful information such as wind speed indicators, the mil-dot formulas, and adjustment factors for up or down hill angles. It's a good ready reference.

For each group fired Hoffman makes a neat little drawing of the target and indicates the range, sight settings, number of shots fired, and the point of impact of each shot. Following each session he makes a note of the total number of rounds fired and a cumulative total of the number of rounds the rifle has fired.

Such logs, meticulously maintained over the years, provide a valuable resource for evaluating and improving both shooter and equipment. Some top-level competitive shooters maintain similar logs and consider them vital training tools. For Hoffman the log is also important in the event he is ever required to use his rifle in the line of duty. Any police use of deadly force is thoroughly investigated — the log provides evidence of the thoroughness with which he prepared and trained.

### Estimating Range

Although he carries and uses a laser





rangefinder, Hoffman trains intensively in using the mil-dot reticle in his scope for estimating range. Murphy's Law states that anything that can go wrong, will go wrong. Should the rangefinder be dropped and broken, or the batteries go dead, or it just up and quits, a reliable backup system is a must. No excuses are acceptable.

Mil-dot reticles have a series of dots precisely placed so that the spacing from the center of one dot to the center of the next subtends one mil. A "mil" (short for milliradian) is one unit of distance per 1,000 units; for example one yard at 1,000 yards, one meter at 1,000 meters.

If target size is known, a skilled operator can use the dots to estimate distance with considerable accuracy. The mathematical formula for finding range in yards is: size of target (in yards) times 1,000 divided by the size of target in mils.

Let's try a simple example from a sporting perspective. Adult buck mule deer supposedly average 18 inches from top to bottom at the chest. Let's presume a buck is obliging enough to pose broadside, long enough for us to get a solid rest for the rifle. We lay the horizontal crosswire along the bottom edge of the body and find that the center of the next dot is exactly on the line of

the back. We therefore read the target size in mils as exactly one mil.

Turning to the formula, target size in yards is half a yard (18 divided by 36 = .5 yards). Multiply .5 yards by 1,000 and we get 500, and dividing by 1 (the target size in mils) we arrive at a range estimate of 500 yards.

There's another formula that many find more convenient. We've said that a mil is one unit per 1,000 units of distance. That means a mil is also one inch at 1,000 inches. 1,000 inches is 27.78 yards (rounded to two decimal places). If one inch is 27.78 yards, and the target is 18 inches in size, we can multiply 27.78 yards by 18 inches, divide by the mil-dot reading (one, in this example), and the result will be 500 yards.

That's simple enough, but suppose the game is a pronghorn antelope and we assume it measures 15 inches in depth. It fills less than one mil-dot spacing. Estimating as carefully as we can, we decide it covers 9/10 of one spacing (0.9 mil). Quick, do the math; 15 divided by 36 times 1,000 divided by 0.9. Better hurry, the buck is getting fidgety out there. It would take me some considerable time to figure it out without a calculator, which I just did — 463 yards.

In reality we won't likely be punching

calculator buttons while the game patiently waits. We could make up a chart based on a target size of 18 inches, showing the range for each mil reading. With practice and a steady rest most shooters can learn to make mil readings to the first decimal place. Our chart might look like this:

Mil dot reading Range in yards (18" target)	
0.8	625
0.9	556
1.0	500
1.1	455
1.2	417

Even with charts, mil-dot ranging has practical problems in big game hunting. Animals seldom stand around in the right position, patiently waiting. Nor do they come off an assembly line. In the first example, the range estimate of 500 yards assumes that the buck is 18 inches in depth. Suppose it is larger than average, actually





measuring 20 inches deep. This means that instead of the 500 yards we've estimated, the deer is actually 555.5 yards away. At that range the bullet is on the down slope of the trajectory curve — if we hold for 500 yards the bullet will likely miss low, or worse yet break a leg.

Police and military marksmen operating in an urban environment have the advantage of a sea of objects of known size. They'll know, or have recorded in their range books, examples such as the dimensions of a standard door, the width of a mailbox, the height of a stop sign or yield sign. In the hunting fields we do not have that standard of comparison. The only objects of known size are the animals themselves, and they can't be trusted.

### Laser Rangefinders

Mil-dot ranging is a fascinating challenge, and a worthwhile skill. Even if you acquire considerable skill at it, I suspect you will run, not walk, to the nearest gun shop and buy a laser rangefinder. Current generation rangefinders are reasonably priced, very accurate, fast, and don't care whether the animal is broadside or of unusual size. They are quite durable and reliable. If they do break or the batteries go dead, and we don't know

the range and can't stalk closer, as hunters we do have one big advantage over police and military marksmen. We can always give the animal a wave of respect and walk away.

### That Ol' Devil Wind

Up to this point preparing for the shot has been mostly a matter of technology, science and mathematics. Technology and skilled

***"It can almost be said that long range shooting, or for that matter any extremely precise shooting, is about reading the wind."***

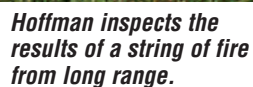
workmanship build equipment capable of extreme consistency. The effects of gravity are consistent. Science and mathematics allow the range to be estimated with a high degree of accuracy.

But reading wind is both science and art. Unlike gravity, wind is unpredictable. Gravity is the same at the shooting point as it is at the target 800 yards away, but wind intensity and direction can change several times over the same distance. Learning to read the wind is perhaps the biggest challenge of long range shooting. We can look up charts that show the wind drift of different bullets at various velocities in a constant crosswind at 10 miles per hour. The difficulty is that the wind is hardly ever exactly 10 mph. It's hardly ever at a perfect 90 degrees. And it's hardly ever constant from shooting position to target.

Some years back Hoffman took up long range competition with military shooters. He said frankly:

"After all the years of PPC competition I'm comfortable shooting under pressure. I felt I was well prepared and that I could hold up against the military guys. Well, the first few times they beat me up pretty good. I could estimate distances as well as they could and my shooting skills were as good,





***A carefully maintained log book is one of the secrets to successful long range marksmanship.***



Hoffman found that he'd either have to get used to losing or learn to read the wind better. Since the first option was unacceptable he took up the second, and now finds that reading wind accurately is both the most challenging and most rewarding aspect of long range shooting.

It can almost be said that long range shooting, or for that matter any extremely precise shooting, is about reading the wind. That's an exaggeration, of course. But it is true that every other factor can be calculated with a high degree of precision — rifle accuracy, range, bullet drop, elevation up or down, barometric pressure, elevation above sea level, humidity. None of these change significantly during a string of shots.

Even if wind speed and angle is measured precisely at the shooting point, it can change drastically and repeatedly over the distance from shooter to target. It can even change as the trigger is being pressed and when the bullet is in flight.

Hoffman uses an electronic wind gauge, a clever little device with an enclosed plastic impeller. Hold the unit facing the wind and a digital readout gives the wind speed. From intensive practice Hoffman has become quite skilled at estimating wind speed by the feel of the wind, and watching how grass and trees move. He always estimates and records wind speed first, then uses the unit as a check.

What if the wind isn't directly at 90 degrees? Logically one would think that if the wind is at 45 degrees it would have one-half the effect of a crosswind. In fact a 45-degree wind has about 70 percent of the effect of a crosswind. If wind speed is 10 mph, at an angle of 45 degrees to the path of the bullet, it's necessary to multiply wind speed by 0.7 (by 0.707 to be really precise) in making allowance for bullet drift.

A “half-value” wind is at 60 degrees to the flight path of the bullet (whether the wind is angling towards or away from the shooter). That means that if the wind speed is 10 mph at an angle of 60 degrees we allow for bullet drift as though the wind was a 5 mph crosswind.

A wind that is directly in line with the bullet's path, whether from the front or back, has little effect. A 30 mph wind, which is quite strong, is only 44 feet per second. Even with good ammunition, individual shots can vary that much. Through high-speed winds and over very long ranges, a following or facing wind would have a significant effect. But for practical purposes we won't worry about them here.

One small advantage we have is that the wind crossing over the first stages of bullet travel, which we can measure fairly well, has more effect than does wind near the target. This may not seem logical, since the bullet travels much slower when it reaches the target and would seem more susceptible to wind. But a slight movement off-line near the start of the bullet's journey



results in a large deflection by the time it reaches its target.

To illustrate, suppose we're firing at a 400-yard target. At 100 yards the bullet barely touches a branch and is deflected off-line just one degree. One degree of angle translates to over 60 inches per 100 yards. By the time the bullet travels the remaining 300 yards it has moved more than 180 inches (over 15 feet) off line.

If the bullet had struck the branch at 390 yards and was deflected one degree, it only has 10 yards more travel in which to move off line. It would still miss the exact point of aim, but by only about 6 inches instead of 15 feet.

### Putting It All Together

At the range, we unloaded the backpack and rifle case, set up a spotting scope, and donned ear protection and shooting glasses. By unloading at random spots on the private range, Hoffman ensures that distances to steel targets vary every time out he heads out. He isn't just grooving in known ranges.

He meticulously entered basic data in his log book. We selected an 18X30 inch steel rectangle as the first target, and Hoffman diagrammed it in his log. With rifle resting on his backpack, he ranged the target with the mil-dot reticle, punched the calculator keys, and read the range at just over 500 yards. A reading with the laser rangefinder agreed with the estimate.

The rifle was stored with the turret adjustments zeroed out at 100 yards, but he checked just to be sure. Referring to his range card Hoffman verified that his .308/168 grain match loads, bullet drop from his 100-yard zero at 500 yards was 61 inches, or 11.7 minutes of angle. The Leupold scope has 1/4-minute adjustments, or four clicks per minute of angle. With target turrets there are reference lines, a short line for each 1/4 minute click and a longer, numbered reference line for every full minute of angle. There are 15 minutes of angle, or sixty clicks, per full revolution of the turret. Hoffman spun the turret to number 11 plus three more clicks to dial in elevation.

Next, judging by the feel of the wind and the way the grass was bending, he estimated wind speed at 8 mph. A check with the electronic wind gauge showed 9 mph. The wind seemed to be at about 60 degrees to the target path. Observing the movement of the grass through the scope gave the impression that the wind was fairly constant from the shooting point to the target. Hoffman read it as equivalent to a 5 mph full value wind and again checked the range card — 11 inches of bullet drift at 500 yards, or 2.1 MOA. He carefully dialed in two minutes of windage.

From then on it was simply a matter of marksmanship; chamber a cartridge, align the sight, press the trigger.

Watching through the spotting scope, 1/3 second after the rifle's report I saw the







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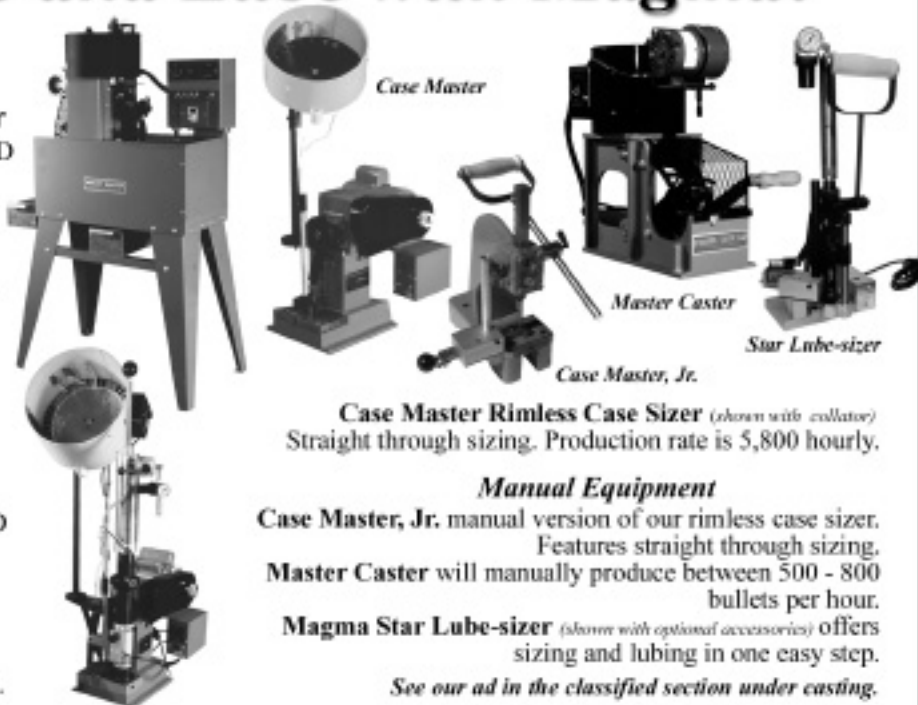
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bullet strike on target, dead center for elevation and about 2 inches right of center. Hoffman carefully marked it in his log book. The first shot from a cold barrel — in a real-world situation the only one he's likely to get — is the most important shot of the day. Four more shots gave a total group size of about 3 inches.

## Learning Opportunity

Like any other shooter, I could only resist for so long the urge to send a few down range myself. I had with me a very accurate Les Baer AR-type rifle, the Ultimate Varmint model in .223 Rem. With its 8.5-25X Leupold Long Range Target scope and Black Hills .223 ammunition loaded with 50 grain V-Max bullets, it consistently averages under 1/2 MOA. It was sighted 1.5 inches high at 100 yards so I took a time-out to sight for 100 yards and zero out the adjustment turrets. Hoffman had a range card for that load and gave me the appropriate adjustments for range and wind.

I had to look at the arrow on the turrets to see which way to turn them.

"Shouldn't have to look," Hoffman said with a grin. "You should know without even thinking about it which way to turn. With a Leupold, counterclockwise is up and right."

I fired a five-shot group on the 500-yard target.

"Hold about six inches right" or "hold center," Hoffman would say as he felt the

wind speed change.

The group ended up at about 4 inches. It would have been better had I read the wind better.

"You want to be so sensitive to the feel of the wind that if it changes slightly you lean into or away from it intuitively," Hoffman said. "The only way to learn that is by a lot of experience."

The same procedure was followed at further distances. Hoffman ran off five straight hits on a 10 inch round target at 650 yards. For longer distances he switched to ammunition loaded with 175-grain match bullets at 2,600 fps.

"The 168s are fine to 650 yards or so and don't kick much. Beyond that the 175s hold up better," he said.

We were both able to hit consistently out to 900 yards, the farthest target available. Incidentally, at 900 yards the 175-grain bullets drop about 125 inches — over 10 feet — from a 100-yard zero and drift 72.5 inches (more than six feet) in a 10 mph full value wind.

Long range target shooting is a wonderful challenge. As for long range shooting on game, well, there's no better way to come across as a smarmy, self-righteous snob than to start preaching about sportsmanship. I'll just say what we all know already: our objective should be to place the first shot exactly right. That means knowing the limits of both our equipment and our ability —



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By John Taffin

*Two excellent cast bullets for use with the .357 Magnum are Lyman's #358156 and #358429.*



# CAST BULLET LOADS FOR

When this country was locked in a deep economic depression, Smith & Wesson and Winchester teamed-up to bring us a sixgun and ammunition combination that catapulted handgunning into the 20th century. It was 1935, and at that time the magnificent, custom-built, large-framed Smith & Wesson .357 Magnum was the most powerful revolver ever produced.

Consider this: the powerhouse cartridges of the 1930s, the .45 Colt and the .45 Auto, offered muzzle velocities of less than 900 fps. The .44 Special crept along at less than 750 fps. Suddenly, we

were offered a revolver with double the muzzle velocity.

In these days of factory sixguns chambered in .44 Magnum, .454 Casull, and .475 Linebaugh, it may be difficult to understand the excitement that surrounded the introduction of the .357 Magnum. However, placing ourselves in that time period, we can readily understand the mystique surrounding what was billed as "the world's most powerful revolver!"

## Still A Champ

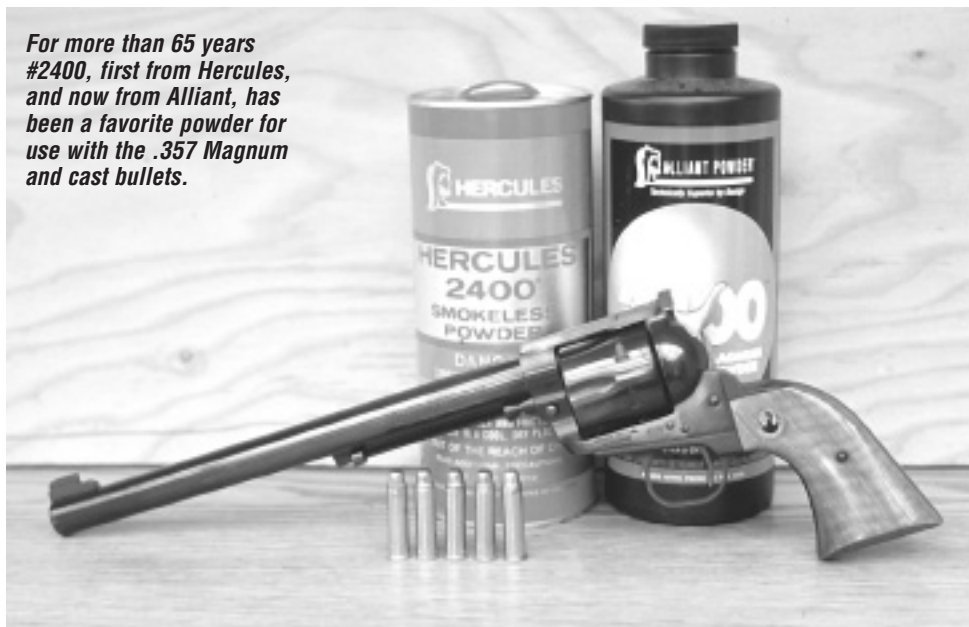
Nearly 70 years later, and though eclipsed by several bigger and more powerful sixgun loads, the .357 Magnum is like that Energizer Bunny. It just keeps going and going and going. Chambered in some of the greatest sixguns ever manufactured, the .357 Magnum offers the most power with the least felt recoil. With proper loads it is the number one defensive round. And if we are honest, it is probably the only Magnum that most shooters are capable of handling truly well.

The popularity of the .357 Magnum overshadows every other medium and big-bore sixgun/cartridge combination. The list of revolvers chambered in this first magnum cartridge includes the most legendary designs: S&W, Colt, Ruger, Freedom Arms, Dan Wesson. All have offered excellent .357 revolvers.

## Cast Is King

For most of the 1930s up through the 1960s, shooting the .357 Magnum meant shooting cast bullets. Even today, with the proliferation of excellent jacketed .357 Magnum bullets, I'd guess most handloaders still turn to cast bullets for much, perhaps most, of

*For more than 65 years #2400, first from Hercules, and now from Alliant, has been a favorite powder for use with the .357 Magnum and cast bullets.*





In this two part report,  
Taffin shares his favorite  
loads for America's most popular  
magnum pistol cartridge.

# THE ORIGINAL MAGNUM

their .357 Magnum shooting. Just as we have a wide selection of sixguns and leverguns to choose from when contemplating acquiring another .357 Magnum, so too exist a number of cast bullet designs. Space only permits us looking at a few. But these are the ones I use the most.

When it came to choosing the bullet to be used in the first .357 Magnum ammunition, there existed somewhat of a rivalry between Elmer Keith and Phil Sharpe. Keith designed an excellent .38 bullet: Lyman-Ideal's No. 358429 for heavy-loading the .38 Special. He used this bullet with heavy charges of Hercules No. 2400 in Smith & Wesson's 38/44 Heavy Duty.

At the same time, Sharpe was working with his bullet in heavily loaded .38 Specials. Keith's bullet had a longer nose, and cast of hard alloy it weighed somewhere around 170 grains. Filling out to the end of the cylinder, it worked perfectly in .38 Special brass. But when Smith & Wesson introduced the new .357 Magnum, they used a .10-inch longer case in the same cylinder length. If Keith's



*Ruger's Bisley .357 Magnum is capable of handling the heaviest of loads.*



*Marlin's .357 levergun requires some experimentation to find good shooting cast bullet loads.*





*The original .357 Magnum from Winchester was powered by a large rifle primer.*



*Above: Think you need jacketed bullets for excellent accuracy in .357 Magnums? Try CPBC's 187 grain FNGC. Below: Cast bullets used in the .357 Magnum include Lyman's #358429, #358156, BRP's 155 SWC-GC, and Cast Performance Bullet Company's 187FP-GC.*

bullet was crimped in the crimping groove using new .357 Magnum brass, the loads were too long for the Smith & Wesson cylinder.

On the other hand, Sharpe's bullet had a shorter nose with a weight of about 158 grains. When loaded in .357 Magnum brass from Winchester it worked perfectly in the new Magnum revolver. While Winchester did not directly use Sharpe's bullet, they did use one that was very similar, with one small problem. Those original factory bullets were far too soft and gave the .357 Magnum a bad reputation for leading the barrel.

A good representation of Sharpe's original bullet design is found in the RCBS No. 38-150KT. Both of these bullets are plain base designs and Keith never did have any use for gas checked bullets. I use both of these bullets in .357 Magnums. However, the key is experimentation, as some .357 sixguns will not shoot them well and leverguns are even more particular.

Hercules' (now known as Alliant) No. 2400 was the original powder used in factory loads for the .357 Magnum. That original charge was 15.4 grains in Winchester's .357 Magnum brass, which used a large rifle primer. The switch was made to small primers shortly thereafter. Today, of course,

small pistol primers are standard for use in the .357 Magnum. A variation on the .357 Magnum in the 1950s was the .357 Atomic by Great Western. Some of their .357 Magnum sixguns are marked .357 Atomic on the barrel. This loading was simply a "+P" version of the regular Magnum using 16 grains of the same No. 2400.

## Matching Loads To The Gun

I load Keith's bullet in three ways depending upon the revolver those loads are intended for. For all .357 revolvers I can seat these long-nosed bullets in .38 Special brass and still use the crimping groove. For revolvers with long cylinder length, I can do the same using .357 Magnum brass. For short-cylindere d sixguns like the original S&W, as well as some Colt Single Actions and early Ruger Blackhaws, I simply crimp over the front shoulder. I have not seen this method cause any deterioration in accuracy. Probably my most-used loads with Keith's 358429 is 13.5 to 14.5 grains of No. 2400 for a muzzle velocity of 1,300 to 1,400 fps, or the same charge weights of H4227 for slightly milder shooting loads in the 1,200 to 1,300 fps range.

Since the RCBS No. 38-150KT works fine in any .357 Magnum cylinder, I use it with a much wider range of powders. Using the same powders mentioned above for this lighter bullet which also gives greater case capacity, I go with 14.5 to 15.5 grains of No. 2400 at 1,325 to 1,400 fps or the same charges of H4227 for 1,170 to 1,300 fps.

## The .357 Bullet?

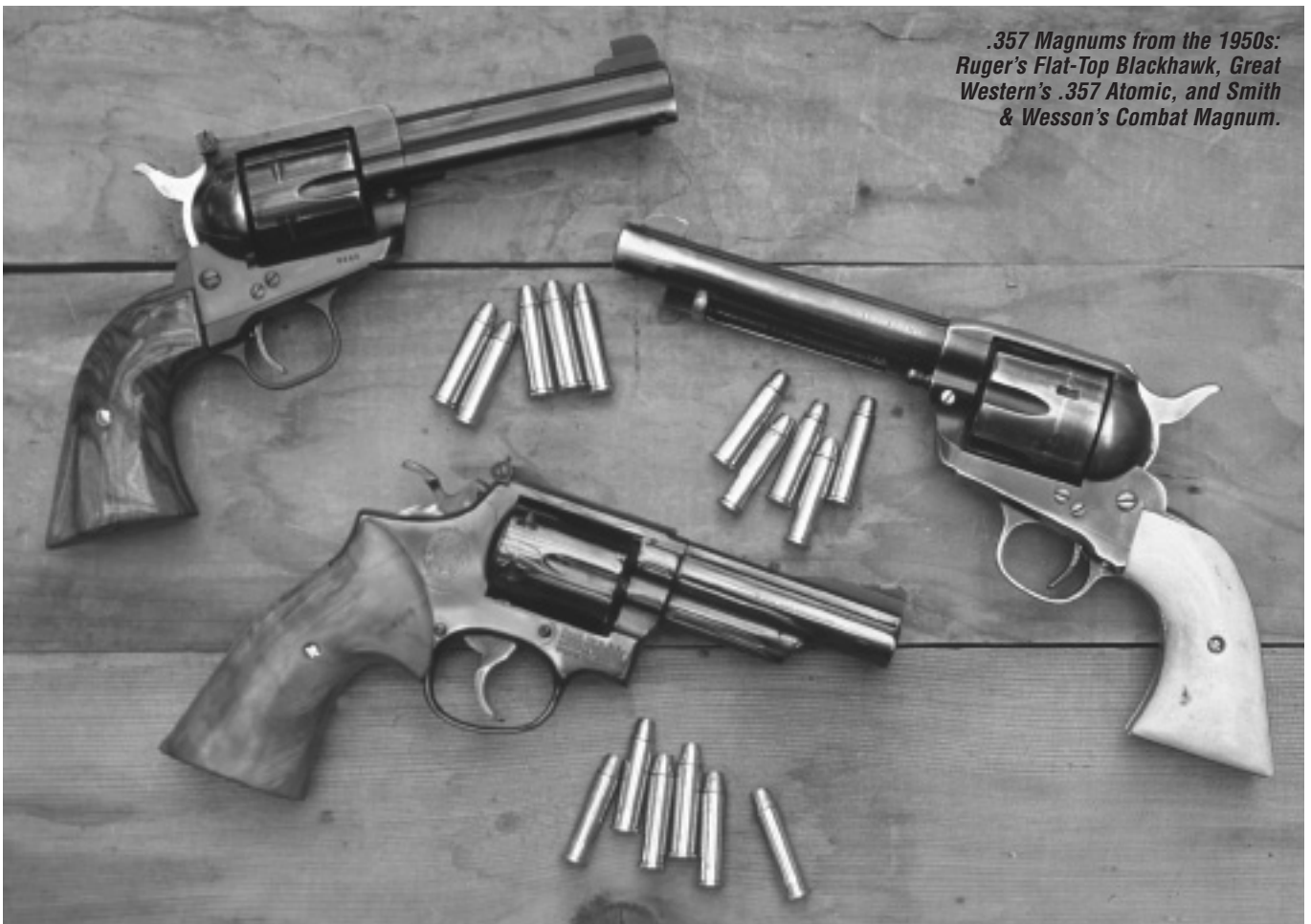
It is unfortunate that Ray Thompson was not designing bullets at the time of the advent of the original .357 Magnum. Thompson basically took Sharpe's original design and added a gas check to reduce or



*A variation on the .357 Magnum is the ".357 ATOMIC" marking found on a Great Western Frontier revolver.*



*.357 Magnums from the 1950s:  
Ruger's Flat-Top Blackhawk, Great  
Western's .357 Atomic, and Smith  
& Wesson's Combat Magnum.*



prevent leading altogether. To make his bullet design even more versatile, Thompson incorporated two crimping grooves — one for use in .38 Special brass, the other for .357 Magnum brass.

I can say without fear of contradiction that Thompson's bullet, which is Lyman's No. 358156GC, is the .357 cast bullet by which all other .357 bullets are judged. I like it so well that when I cast bullets I run three double cavity 358156GC molds at the same time. My casting set-up consists of the bottom pour Lyman Mag 20 pot. I also should mention that I cast my .357 bullets of anything from wheel weights for gas check designs up to pure type-metal for plain-based bullets.

Experimentation is the key to finding the best hardness for any particular sixgun or levergun. Have a cranky .357 Magnum sixgun? Do not give up on it until you have tried Thompson's cast bullet. Skeeter Skelton was especially fond of the 5-inch S&W Model 27 using the No. 358156 in .38 Special brass. If you do not cast your own, a very similar bullet is BRP's 155SWCGC.

I have included a number of loads using the No. 358156GC in the accompanying chart. One load that sees a lot of use around here is 15 grains of No. 2400. This load gives 1,400 fps from a short-barreled sixgun, 1,500 fps from a long-barreled sixgun, and right at 1,800 fps from Marlin's little carbine. It shoots superbly! With BRP's version



***Note the difference in overall length in the .357 Magnum loads using (L-R)  
Lyman's #358429 and #358156, RCBS's 38-150KT.***



## Cast Bullet Loads For .357 Magnum "Packin' Pistols"

Bullet/Load	4" S&W M19	4 1/2" Ruger	Group*
Lyman #358156/14.0 gr. #2400	1,284	1,308	1 1/2"
Lyman #358156/15.0 gr. #2400	1,409	1,425	7/8"
Lyman #358156/16.5 gr. WW296	1,224	1,286	
Lyman #358156/17.5 gr. WW296	1,321	1,373	
Lyman #358156/13.0 gr. AA #9	1,235	1,271	
Lyman #358156/14.0 gr. AA #9	1,243	1,276	1 1/2"
Lyman #358156/14.5 gr. H4227	1,162	1,205	1 1/2"
Lyman #358156/15.5 gr. H4227	1,236	1,276	
Lyman #358156/7.0 gr. Unique	1,141	1,135	
Lyman #358156/8.0 gr. Unique	1,228	1,246	
Lyman #358156/8.0 gr. Herco	1,171	1,182	
Lyman #358156/9.0 gr. Herco	1,233	1,238	
RCBS #35-150 KT/14.5 gr. #2400	1,322	1,355	1 1/2"
RCBS #35-150 KT/15.5 gr. #2400	1,385	1,402	
RCBS #35-150 KT/16.5 gr. WW 296	1,230	1,294	
RCBS #35-150 KT/17.5 gr. WW 296	1,299	1,323	
RCBS #35-150 KT/14.5 gr. H4227	1,169	1,219	
RCBS #35-150 KT/15.5 gr. H4227	1,239	1,311	
RCBS #35-150 KT/7.0 gr. Unique	1,132	1,193	
RCBS #35-150 KT/8.0 gr. Unique	1,275	1,311	
RCBS #35-150 KT/8.0 gr. Herco	1,209	1,247	
Lyman #358429/13.5 gr. #2400	1,330	1,369	
Lyman #358429/14.5 gr. #2400	1,385	1,415	1 1/2"
Lyman #358429/13.5 gr. H4227	1,184	1,230	
Lyman #358429/14.5 gr. H4227	1,267	1,283	1 1/2"
BRP 155SWCCG/15.0 #2400	1,356	1,392	1"
Oregon Trail 158/6.5 gr. Unique	1,038		
Oregon Trail 158/6.5 gr. Universal	1,029		
Oregon Trail 148WC/3.0 gr. AmSelect	600	644	

## Cast Bullet Loads For .357 Magnum "Long Guns"

Bullet/Load	8" S&W	Marlin 18 94C	Group*
Lyman #358156/14.0 gr. #2400	1,488	1,796	1 1/2"
Lyman #358156/15.0 gr. #2400	1,524	1,875	7/8"
Lyman #358156/16.0 gr. #2400	1,564	1,920	1"
Lyman #358156/14.5 gr. H4227	1,283	1,588	1 1/2"
Lyman #358156/14.0 gr. AA#9	1,435	1,744	1 1/2"
BRP 155 SWCCG/15.0 gr. #2400	1,568	1,834	1"
Oregon Trail 158/6.5 gr. Unique	1,180		
Oregon Trail 158/6.5 gr. Universal	1,158		
Oregon Trail 148WC/3.0 gr. AmSelect	657	861	

## Heavy Cast Bullet Loads Ruger Bisley Or FA M83 7.5"

Bullet/Load	Mv	Group*
CPBC 187 FNGC/14.0 gr. H4227	1,198	1/2"
CPBC 187 FNGC/14.0 gr. H110	1,278	1 1/2"
CPBC 187 FNGC/14.0 gr. AA#9	1,330	1"

## Cast Bullet Loads For The .357 Magnum T/C Contender 10"

Bullet/Load	Mv
Lyman #358156/15.0 gr. #2400	1,782
RCBS #35-180SIL/13.0 gr. H4227	1,341
RCBS #35-180SIL/13.0 gr. H110	1,430
RCBS #35-180SIL/13.5 gr. WW296	1,436
RCBS #35-200FN/13.0 gr. H4227	1,351
RCBS #35-200FN/13.0 gr. H110	1,446

\*5-Shot/25 Yard Sample Groups Shot With Scoped Freedom Arms M83 .357 Magnum



*Favorite powders for loading cast bullets in the .357 Magnum are Unique, #2400, and H4227.*

and the same powder charge, velocity increases about 50 fps while delivering the same excellent accuracy.

For lighter loads using Lyman's No. 358156, I go with 14.5 grains of H4227 for 1,160 fps, 1,280 fps, and 1,600 fps from the same three guns. For an in-between loading, AA No. 9 gets the call with 14 grains giving 1,240 fps, 1,435 fps, and 1,745 fps respectively. Again, experimentation is the key for coming up with great loads for the .357 Magnum and I have charted other loads with this bullet using the same powders as well as WW296, Unique and Herco.

When trying to come up with a load that will work well in both sixgun and carbine, a lot of grief will be avoided if one starts with the levergun first. If it works well in the long gun it will probably work well in the sixgun, but not always vice versa.

### Failure-Proof Cast Bullet

Cast Performance Bullet Company offers a complete line of bullets both plain-based and gas-checked for every conceivable sixgun caliber. One of the best for use in the .357 Magnum is their 187 grain FNGC (Flat Nose Gas Check). Heavier bullets almost always shoot better in sixguns and the .357 Magnum is no exception. I doubt that one could come up with a bad load for this bullet even if trying. It also could be the answer for a .357 Magnum carbine that won't shoot.

For my purposes I use three powders with this bullet and the same charge for each. From a 7.5-inch sixgun, 14 grains of H4227 does 1,200 fps and groups five shots into a nearly unbelievable .5 inch at 25 yards. The same charge of H110 does 1,275 fps and 1 1/2 inch. Fourteen grains of AA No. 9 comes out at 1,330 fps and a 1-inch group.

### A Sweet Shooter

Sometimes I simply need a very accurate, easy-shooting target load in the .357 Magnum. For me this is Oregon Trail's 148 WC over 3.0 grains of Alliant's American Select. Out of my Freedom Arms Model 97 7 1/2 inch it does less than 700 fps but shoots superbly. I recently used this sixgun and load in a 4-week pistol tournament and the



only perfect target shot was mine — 20 shots in the Ten ring at 25 yards. Obviously this load and sixgun shoots better than I can!

Thompson/Center's Contender gives new meaning to accuracy with a .357 Magnum handgun. When I was regularly shooting long-range silhouettes, one of my most used guns for competition was the 10-inch barreled Contender. Many of us found out very early that cast bullets originally designed for use in rifles worked exceptionally well in the short-barreled Contender. The RCBS No. 35-200FNGC was originally designed for use in the .35 Remington. However, when loaded in .357 Magnum brass over 13 grains of H4227 for 1,350 fps, or the same charge of H110 or WW296 for 100 fps more, it proved to be an accurate competition load.

### The .357 As A Big Game Round

When the .357 Magnum debuted in 1935, it was looked upon as a double duty sixgun ideal for both outdoorsmen and peace officers. The short, 3½-inch barreled version of the S&W .357 became a very popular status item, especially with members of the FBI. Col. Doug Wesson killed a lot of game with both an 8½-inch and a 6½-inch .357 Magnum, showing the caliber's hunting potential.

I will say that I do not recommend the .357 Magnum as the first choice for hunting big game. It will work fine for deer-sized critters in the hands of a very careful shooter, (and if that description does not apply, you should not be hunting with a handgun). However, there are so many better choices. Having said that, if I had nothing but a .357 Magnum heavily loaded with cast bullets for hunting I would use it.

Most of us find using the .357 Magnum with cast bullets does just fine. Roaming the woods, foothills, or desert with a Smith & Wesson 4-inch Combat Magnum or a 4½-inch Ruger Flat-Top carried in a Tom Threepersons holster, I know I can handle about anything that will come my way. We are not talking here about deliberately hunting elk-sized creatures, but simply enjoying being out and about at other times of the year besides hunting season.

It is most enjoyable to sit down with your back against a stump or tire of the 4x4 with an 8½ inch Smith & Wesson and shoot long-range targets and know it can be done all day without feeling any the worse for wear.

For most uses, cast bullets are a perfect match for the .357 — but the versatility of this cartridge doesn't end there. High-performance loads with jacketed bullets expand the capabilities of the original Magnum, and we'll explore those in the second part of this report.



Readers who do not cast their own bullets can find BRP at P.O. Box 9220, Dept. G, Tulsa Okla. 74157; phone: [918] 445-3200 and Cast Performance Bullet Company at P.O. Box 153, Riverton Wyo. 82501; phone: [307] 857-2940. They are also on the Internet at [www.sixgunner.com](http://www.sixgunner.com).



**Above:** The original .357 Magnum from Smith & Wesson shown with 8½", 5", and 3½" barrel lengths. **Below:** Typical 25 yard groups with 12 different cast bullet loads in the .357 Magnum.



In part two of his treatise on America's most popular magnum, Taffin shares his favorite loads for jacketed bullets.

## JACKETED BULLET LOADS

From its inception as the sixgun's first high velocity cartridge, the .357 Magnum was hampered by the fact that bullets in factory ammunition were far too soft. Barrel leading was a serious problem. Reloaders, especially those who either cast their own bullets or were able to obtain hard cast bullets, had an advantage over those who made do with factory ammunition. Even when the .44 Magnum appeared 20 years later, bullet hardness was still an issue. While those .44 Magnum Lubaloy bullets

were too soft, they at least had a gas checked base.

### Jacketed Newcomers

Cast bullets in firearms go back nearly 600 years, while jacketed bullets did not become common until the turn of the 20th century. Even the great Winchester lever action and Sharps' single-shot buffalo rifles made their reputations with cast bullets. As semi-automatic handguns came forth, jacketed bullets were almost a necessity for reliable functioning. At almost the same time, Winchester rifles appeared with barrels marked nickel steel, indicating they could shoot jacketed bullets.

When I started shooting in the 1950s, jacketed bullets were available in factory ammunition. But I don't recall it very easy for a reloader to find them. Today, Speer supplies a large selection of jacketed bullets for both handguns and rifles. My earliest Speer Reloading Manual from the 1960s shows they began offering jacketed bullets for reloaders with both .357 Magnum and .44 Magnum "copper-cup" style bullets.

This style bullet is basically an extension of the gas check idea, with the gas check made heavier and extending all the way up the side of the bullet, preventing the much softer lead alloy from contacting the rifling. The great advantage for these bullets, especially the .357 Magnum, is that they offer dramatic expansion.

*Easy Packin' Pistols in .357 Magnum, S&W's Model 19 and Ruger's Blackhawk.*





*Heavyweight jacketed bullets  
for the .357 Magnum: Hornady's  
180 XTP, Sierra's 170 JHC,  
Speer's 180 Gold Dot FP.*



By John Taffin



# FOR THE ORIGINAL MAGNUM

sion while preventing barrel leading.

Even before Speer offered these bullets, reloaders could purchase bullet swaging kits. The use of special dies made possible squeezing pure lead into a bullet shape and fitting it with a half jacket. The problem, of course, was that the half jacket allowed the front part of the bullet to contact the bore — bringing us right back to the problem of leading.

## A Wealth Of Jacketed Bullets

Today reloaders have an extensive array

of jacketed bullets to choose from, and not just for the .357 Magnum but for any other sixgun cartridge. I mentioned previously that cast bullets in .357 Magnum leverguns can be especially contrary when it comes to developing an accurate load. That contrariness disappears with jacketed bullets. And leverguns sing a beautiful song when used with tough jacketed bullets that don't lead the bore.

Most of us learned long ago there is no such thing as a free lunch, and that every situation demands trade-offs. This holds true for the use of jacketed bullets in .357

Magnums as well. Not only are they more expensive than cast bullets, they also turn the .357 Magnum into an ear-splitter.

## Time Out For Safety

Unless absolutely necessary, no firearm should be fired without ear protection. I did not understand this when I started shooting. I don't believe earmuff style protectors were even available. We, meaning a group of teenagers who always shot together, never protected our ears when shooting our .22 Single-Sixes —



*Perhaps the handiest levergun in existence,  
Marlin's 1894C .357 Magnum.*





**Great Smith & Wesson .357's from the 1950's. From top left clockwise: Highway Patrolman 4", .357 Magnum 3½", Combat Magnum 4", rare nickel Highway Patrolman 4". Stocks by Herrett's, Roy Fishpaw, BearHug, and BluMagnum. Leather is Berns-Martin Break-front.**

dumb! When we moved up to the .357 Magnum we operated the same way — dumber! I fired my first .357 Magnum, a 4½ inch Ruger flat-top Blackhawk, on a Sunday afternoon using factory jacketed ammunition. My ears still rang on Thursday.

I apparently did not learn my lesson, and continued to shoot without ear protection. Today I have no hearing in my right ear and less than 50 percent in the left. Fortunately, I do not experience the constant ringing that burdens many shooters. A not-so-funny situation is a bunch of near deaf shooters gathered together trying to talk. If I could turn the clock back, there are not too many things in my life I would do differently. But protecting my ears would be one of them. That we “live and learn” is not always true. Sometimes we learn way too late.

### Keep 'Em Light

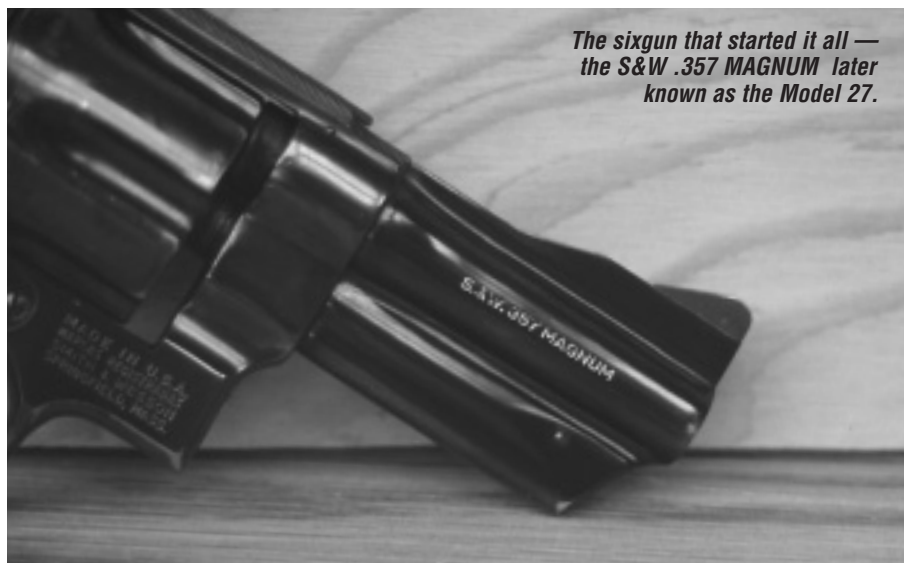
The great advantage of using heavy cast bullets in both .44 and .45 caliber sixguns is that a hard cast bullet provides maximum penetration. A 300 grain hard cast bullet will penetrate several feet into the toughest big game animals. But with the .357 Magnum, I

prefer fast expanding bullets. And I am very selective about what animals I pursue with the original Magnum.

The largest animals I take with the .357 are all deer-sized, and I depend upon lung shots with fast expanding bullets from 158 to 180 grains in weight. I always reach for

the .357 Magnum when hunting turkeys. I prefer 125 grain jacketed hollow points, and aim where the head meets the body.

This is also the same weight bullet I choose for self-defense guns, such as Smith & Wesson's 2½ inch Model 60, the 2.5 inch Models 19 and 66, and the 3 inch Model 65.



**The sixgun that started it all — the S&W .357 MAGNUM later known as the Model 27.**



*A wide variety of bullets are available for use in the .357 Magnum.*



All four are always loaded with 125 grain JHP .357 Magnums. However, you will note I list no reloads with bullets less than 140 grains. This is simply due to the fact that I use factory ammunition in the above mentioned .357 Magnums. Since I have never taken more than four turkeys in any one year, all of which were one shot kills, I use the same ammunition for going after the big birds.

From my early shooting life well into the 1990s, the .357 Magnum saw much less use than my true big bore sixguns. Today the original Magnum gets more use because the recoil from standard size sixguns does not put stress on my hands and wrists. Add to this that my wife shoots a matched pair of stainless-steel Blackhawks as well as the Marlin 1894C levergun, and I have one progressive press always set up for loading .357 Magnums or .38 Specials.

### **A Progressive Favorite**

Whether I load cast or jacketed .357 Magnums, I call upon Hornady's Lock-N-Load progressive press. My set-up is truly diverse. I use, in order, the Hornady .357 sizing and de-capping die; an RCBS .38 Special expanding die; a Hornady powder measure to drop the proper charge; a Lyman .357 seating die; and finally an RCBS .38 Special crimping die.



*Some of the jacketed bullets used in the .357 Magnum: Sierra 140 JHC, Hornady 158 XTP, Nosler 158 JHP, Speer 158 JHP and 160 JFP.*



## Jacketed Bullet Loads For .357 Magnum "Packin' Pistols"

BULLET/LOAD	S&W 4"	Ruger 4½"	
	MV	MV	GROUP*
Hornady 140 XTP/15.0 gr. AA #9	1,292	1,297	5/8"
Hornady 140 XTP/17.5 gr. VVN110	1,390	1,456	1"
Hornady 158 XTP/18.0 gr. L'IL GUN	1,125	1,148	7/8"
Hornady 158 XTP/13.0 gr. Enforcer	1,140	1,159	5/8"
Hornady 158 XTP/14.0 gr. #2400	1,188	1,198	3/4"
Hornady 158 XTP/17.5 gr. WW296	1,255	1,312	3/4"
Sierra 140 JHC/15.0 gr. AA#9	1,304	1,366	7/8"
Sierra 158 JHC/14.0 gr. #2400	1,143	1,266	1"
Speer 140 JHP/15.0 gr. AA#9	1,299	1,338	7/8"
Speer 140 JHP/17.5 gr. VVN110	1,361	1,410	1"
Speer 158 JHP/16.0 gr. VVN110	1,296	1,332	1"
Speer 160 JFP/14.0 gr. #2400	1,142	1,192	5/8"

## Jacketed Bullet Loads For .357 Magnum "Long Guns"

BULLET/LOAD	S&W 8½"	Marlin 18½"	
	MV	MV	GROUP*
Hornady 140 XTP/15.0 gr. AA#9	1,319	1,822	5/8"
Hornady 140 XTP/17.5 gr. VVN110	1,480	2,001	1"
Hornady 158 XTP/13.0 gr. Enforcer	1,175	1,687	5/8"
Hornady 158 XTP/14.0 gr. #2400	1,253	1,677	3/4"
Hornady 158 XTP/18.0 gr. L'IL GUN	1,255	1,828	7/8"
Hornady 158 XTP/15.0 gr. AA#9	1,306	1,693	7/8"
Hornady 158 XTP/17.5 gr. WW296	1,344	1,858	3/4"
Nosler 158 JHP/14.0 gr. #2400	1,188	1,760	7/8"
Nosler 158 JHP/16.0 gr. H110	1,122	1,720	1"
Sierra 140 JHC/15.0 gr. AA#9	1,421	1,842	7/8"
Sierra 158 JHC/13.0 gr. Enforcer	1,115	1,688	3/4"
Sierra 158 JHC/14.0 gr. #2400	1,220	1,736	1"
Speer 140 JHP/15.0 gr. AA#9	1,390	1,809	1"
Speer 140 JHP/19.5 gr. WW296	1,453		
Speer 140 JHP/17.5 gr. #2400	1,582		
Speer 158 GD-HP/16.0 gr. VVN110	1,334	1,815	1"
Speer 158 GD-HP/18.0 gr. L'IL GUN	1,319	1,845	1"
Speer 158 GD-HP/17.5 gr. WW296	1,353		
Speer 158 GD-HP/15.5 gr. #2400	1,372		
Speer 160 JFP/14.0 gr. #2400	1,268	1,654	1"
Speer 160 JFP/15.0 gr. AA#9	1,379	1,736	5/8"

## Heavy Jacketed Bullet Loads For Ruger Bisley And Freedom Arms M83 7.5"

BULLET/LOAD	MV	GROUP*
Sierra 170 JHC/14.2 gr. AA#9	1,298	7/8"
Sierra 170 JHC/14.2 gr. #2400	1,366	1/2"
Speer 170 GD/14.2 gr. AA#9	1,325	1/2"
Speer 170 GD/14.2 gr. #2400	1,324	3/4"
Hornady 180 XTP/14.2 gr. AA#9	1,246	7/8"
Hornady 180 XTP/14.2 gr. #2400	1,234	5/8"

\*Groups are five shots at 25 yards from a Freedom Arms 7½" M83 .357 Magnum equipped with a Bausch & Lomb 4X scope.

The Lock-N-Load features automatic indexing and one of the best priming systems available. The weakest point of any progressive press is the priming set up, and the Lock-N-Load system is excellent — after I finally learned how to load the primers without dropping them all over the floor. Once I overcame the fumble-finger syndrome I was okay, and have had no further problems. It was strictly human error.

### The Old Standard

My second set-up for loading .357 Magnums, especially when I do not need large quantities, is the RCBS Rockchucker single stage press. With this press I use Redding's Titanium Carbide .357 Magnum dies and have found them to be of excellent quality, holding very tight tolerances. In the past I found some sets of dies would not re-size cases small enough to enter any and all .357 Magnum chambers. This has never been a problem with Redding's dies.

Reloads for any caliber, including the .357 Magnum, are only as good as the dies and the components used. For magnum level loads in .357 Magnum cases I prefer Starline brass for its durability, consistency and availability. For many cartridges, especially those from the 19th century, we would be out of luck if not for Starline. Their .357 Magnum brass is excellent quality. I ignite my reloads with CCI's No. 550 magnum small pistol primers. I have been using these since they became available. They do the job, consistently.

Most of my needs with jacketed bullets in the .357 Magnum are handled by bullets that weigh between 140 to 160 grains: Hornady, Nosler, Sierra and Speer. Hornady's XTP line of jacketed bullets offers both flat-nosed and hollow point versions in 140 and 158 grain weights. XTP stands for Extreme Terminal Performance. Choose the flat nose for maximum penetration. To combine expansion with penetration, choose the XTP hollow point.

For years Nosler was the only bullet rifle-hunters who reload would consider. Now that Nosler expanded its line to include sixgun bullets, I use the 158 grain jacketed hollow point. This bullet features a well-defined crimping groove, a jacket made thinner at the mouth to aid expansion, and a pure lead core. Sierra's excellent 140 and 158 grain hollow points are designed with a flat nose and a large cavity to aid expansion.

Speer's contribution to my jacketed .357 reloading is a threesome: the good old 160 grain copper-cup style, and the 140 and 158 grain hollow points — especially the new Gold Dots. Speer's newest designs feature controlled expansion matched with maximum penetration.

One notices two things when comparing jacketed bullets compared to cast bullets in the .357 Magnum. As expected, when using jacketed bullets the same powder charge results in lower muzzle velocities. But jack-



eted bullets are usually more accurate.

Consider this. My excellent cast bullet load using Lyman's No. 358156 over 14.0 grains of No. 2400 has a muzzle velocity of around 1,300 fps with five shots grouping into 1½ inch. When we turn to jacketed bullets in the same weight category using the same powder charge, Hornady's 158 XTP has a muzzle velocity of 1,200 fps with a five-shot group of 7/8 inch; Speer's 160 JFP, 1,140 fps and 5/8 inch; Sierra's 158 JHC, 1,140 fps and 1½ inch; and finally , Nosler's 158 JHP, 1,128, and a group of 7/8 inch.

### Match The Gun To The Load

When desiring higher muzzle velocities with jacketed bullets, I go with the 140 grain bullets rather than raising the pressures and placing greater strain on good sixguns to push 158 grain bullets faster. This is especially true for sixguns such as the medium framed Combat Magnum from Smith & Wesson or the original flat-top Ruger Blackhawk. A notable exception to this rule is the super strong Ruger Bisley Model and Freedom Arms Model 83 chambered in .357 Magnum.

Switching from sixguns to leverguns, we find that velocity rises significantly. For example, Hornady's 158 grain XTP over 14.0 grains of No. 2400 clocks out at 1,675 fps with four shots at 50 yards grouping into 7/8 inch from Marlin's 18½ inch 1894C carbine. Hornady's 158 grain JHP over 13.0 grains of Enforcer goes just slightly faster at 1,687 fps, also with four shots in 7/8 inch. Using Nosler's 158 grain JHP over 16.0 grains of H110 boosts the muzzle velocity to 1,720 fps and a five-shot, 50-yard group of 1½ inch. While 18.0 grains of Lil'Gun and Speer's 158 JHP ups the muzzle velocity to 1,830 fps with a 1-inch group for five shots at 50 yards.

### More Potent Than You Think

When it comes to hunting, the use of jacketed bullets in a lever action rifle dramatically changes the complexion of the .357 Magnum. In some cases, these loads exceed the original 1890's ballistics of the .30-30. For example, Hornady's 140 XTP over 17.5 grains of VV N110 breaks over 2,000 fps from the little Marlin levergun.

Generally speaking, jacketed bullets exhibit excellent accuracy. This becomes even more noticeable when using the heavier jacketed bullets available, namely Sierra's 170 JHC, Speer's 170 Gold Dot JFP, and Hornady's 180 XTP-JHP.

I have included six loads using these bullets, 14.2 grains of AA No. 9 and 14.2 grains of No. 2400 with each bullet. Muzzle velocities range from 1,235 fps to 1,365 fps from a 7½ inch barrel, while groups average just slightly over 5/8 inch for five shots at 25 yards. That is an average, mind you, and not the best group for six different loads. It simply just does not get much better



**Above: Fifty yard groups with Marlin's 1894C. Below: Accuracy of jacketed bullets in the .357 Magnum.**





Left: .22 BR  
Right: 6mm PPC

# Adventures With The .22 Benchrest

For this varmint hunter, the honeymoon with the .22-250 was definitely over. Could the .22 Benchrest cartridge meet his requirements?

By Charles E. Petty

Over the years, I've owned more than a few .22-250 rifles. In fact, my very first centerfire was so chambered, if not by that name — back when it was a wildcat called the .22 Varminter. All those rifles had one thing in common. They didn't shoot very well. Oh they did well enough on groundhogs, and would turn prairie dogs to mist. But none delivered the small groups everyone else said they were getting with their rifle.

Without casting doubt upon their characters, I think they lied through their teeth. For though I'm not without some experience, never could I get the sub 1/2 inch groups everyone else said were routine.

Not too long ago inspection of the bore of my current .22-250 showed significant signs of wear. Its recent performances had been less than stellar. And it wasn't hard to convince myself it was time for a new barrel. Given my not so high opinion of the .22-250 cartridge, it was time to consider its replacement as well.

## Decisions

I'm sure you know about the current craze for short, fat cartridges. And there are some who'd have us believe this is a new discovery. But not so. The leader of this pack is the 6mmPPC, still the darling of the benchrest shooters even after a great many years... and repeated efforts to unseat it.

Most don't know Remington flirted with a family of cartridges to compete against PPCs, with their developments proceeding at about the same time. Remington made a basic case to serve as the foundation. It was a standard .308 with a small primer pocket and .080 inch diameter flash hole. This was

the starting point for the BR, or Benchrest, series of cartridges in .22, 6mm and 7mm — plus a number of other wildcats such as the CHeetahs.

Even though I had an idea of what I wanted to do, I always check with a pro before embarking on such a project. My consultant was Richard Beebe, president of Redding Reloading. I explained my situation and said, "I'm thinking about..."

"The .22 BR," he interrupted.

Anytime someone completes your sentence, you know you're on the same page. After praising the virtues of this cartridge, he went on to tell me of a neat trick. Have the chamber of the new barrel cut with a reamer that features a neck diameter .001 to .002 thousandths larger than the diameter of the neck of a loaded cartridge. This would make the sometimes onerous chore of turning case necks unnecessary.

Wonderful.

Both Remington and Lapua offer brass for the 6mm BR, and it's a piece of cake to neck it down to .22. Fireforming is the final step. There is no factory ammunition. The attraction of the BR is that it would not require alteration of the bolt face, as the rim diameter is the same as that of the .22-250. Well, that wasn't too hard was it?

## Getting Underway

The next step was to consult a gunsmith. Leo Schnell of Precision Arms in Sturgis, S.D., comes highly recommended. When I told him I was thinking

Case forming: left to right: 6mm BR case, after neck sizing, after fireforming, loaded round for comparison







of re-barreling the .22-250 to .22... he too completed my sentence.

".22 BR," he said.

He went on to tell me how he'd ordered a reamer that was just a little larger in diameter at the neck than a loaded round so that you wouldn't have to turn necks. This was rapidly becoming not just another rifle project but manifest destiny.

It must be done.

So an order went out to Douglas for one of their premium stainless-steel barrels, and in due time the rifle and barrel headed to Sturgis. While waiting, I ordered a Redding Competition die set and a quantity of 6mm BR Lapua brass from Midway USA.

It is really a simple matter to size the 6mm neck down to .22, but Beebe suggested it be done in two steps. Since I was going to load using Redding's Competition Bushing dies, Beebe did some checking and found the neck dimension of their body die would reduce the neck by about 50 percent — so that the bushing of the Competition die

would not be subjected to undue stress during case forming.

The term "body die" may be new for some. For rifles of this type, neck sizing is standard practice. This is done to avoid over working the brass and moving the case shoulder back, as often happens with full length sizing. But as we use the same cartridge case over and over again, we may find it necessary to size the body or shoulder just a bit. That's what the special body die does. It comes as a part of the Redding Competition die set. Reducing the 6mm case neck down by first using the body die and then the bushing die was effortless. Trimming to 1.520 inches completed the case preparation.

### **Barrel Break-In And Fire Forming**

When the rifle arrived, the first item on the agenda was to break in the barrel. There's no need for special ammo here and since the cases had to be fireformed anyhow I just

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picked a starting load using components that were plentiful and loaded 50 rounds. Those were fired over a two day period.

I dispatched one of the first fired cases to Stoney Point Products to have it adapted for their overall length gage. When you're going to get serious about loading you will want to adjust seating depth for the specific chamber. And this tool is simply my favorite.







**Components: Lapua Brass, Nosler Ballistic Tip bullets**

With the barrel carefully conditioned and a small supply of brass on hand, it was time to focus on load development.

### Load Development

The relatively small case volume requires powders on the fast side. In my experience with the 6mm PPC, I found Hodgdon's H-322 and Vihtavuori's N-133 worked best. So they were first choices here too. But the slightly larger case capacity of the .22 BR opens a few doors. The decision was made to

try Winchester 748, Alliant Reloder 7, Accurate 2015 BR and 2460, Hodgdon H-338, Vihtavuori N-135 and IMR 3031.

Load work-ups are a lengthy process with two distinctly different, and sometimes contradictory, objectives. Some shooters would seek to develop the fastest load. My preference is to find the most accurate. But with this class of cartridge the two are often the same. Therefore I began by shooting groups, and left chronographing for later.

The only way to really reach good conclusions in load development is to reduce variables to the minimum. For this reason the work began with a single bullet, Nosler's 50 grain ballistic tip. I could have chosen any one of a number of excellent bullets, but my experience has been that these give good accuracy and would probably be my choice when it came time to go varmint hunting. Nosler's loading manual offers lots of data for the .22 BR.

Preliminary shooting exceeded my wildest hopes. As expected, N133 and H-322 gave the best groups. But none were what you'd call bad, and nearly all of them were far better than anything I'd been seeing with the cussed .22-250. Virtually everything grouped under 1/2 inch, but several of the powders were eliminated on accuracy grounds. Work continued with four: H-322, N-133, W-W 748 and Varget.

### Fine Tuning

With a modified case from Stoney Point, it was possible to more accurately measure overall length. At first, bullets were

seated to just touch the rifling, so a brief test was done to look at seating depth. Groups were shot with the bullet touching, and with OAL first decreased by .010 inch and later increased by .010 inch. Groups were noticeably better with the bullet just touching the rifling so no further experimentation was done on this variable.

After a few hundred rounds the measurement should be checked. I'll probably look again at the seating depth simply because the barrel throat will have changed a little during break-in.

At this point, I had already seen accuracy far better than the original chambering. And some preliminary chronographing convinced me it was going to be about as fast too. I've never cared much about velocity, but the handloads were pretty close to the published factory velocities for the .22-250. We will not lose sleep over 25 to 50 fps. Nor do we need to pump the loads up above the listed maximums to get it.

Two more changes were made. As I began to see groups duck under the half inch mark I begin to limbo... how low can you go? So the original scope — a perfectly fine Bausch & Lomb 6x24 — was replaced with a new Weaver 36x, and a call went out to Brownells to order a Shilen match trigger.

With those accuracy aids installed, some sources of shooter error were eliminated or reduced and selected loads of either N-133 or H-322 would put the 50 grain Nosler routinely inside half an inch — frequently closer to 1/4 inch.

Yes Virginia, I can live with that level of accuracy. The rifle has yet to fire the first match or custom bullet. You can be sure it will, but current results are so much better than with the original chambering that even if no further improvement were possible the adventure is a total success.

Bebe and Schnell did not lead me astray. I wanted something that would reach out and touch yon distant groundhog. This rifle will do so. Now it's time for me to quit experimenting and head for the hayfields.



## .22 BR Favorite Loads

**Powder**      **Charge**      **Accuracy**

### Nosler 50 gr. Ballistic Tip

H-322	29.0	0.28
WW 748	30.5	0.31
N-135	30.0	0.29
Benchmark	27.5	0.22

### Speer 50 gr. TNT

H-322	28.0	0.49
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### Sierra 52 gr. Match

H-322	29.0	0.37
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### Hornady 52 gr. A- max

H-322	30.0	0.20
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Notes: Loads are selected based on accuracy alone and are near maximum in most cases. Accuracy is the average of three 5 shot groups at 100 yards. And by the way, when they shoot like this we don't need no stinkin' velocity figures.

### FOR MORE INFORMATION:

#### Brownells

[641] 623-4000  
www.brownells.com

#### Leo Schnell / Precision Arms

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[605] 347-3111

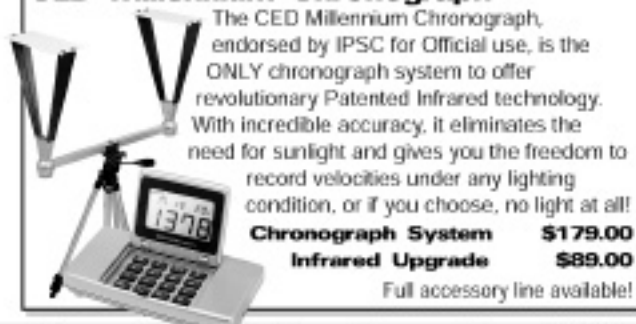
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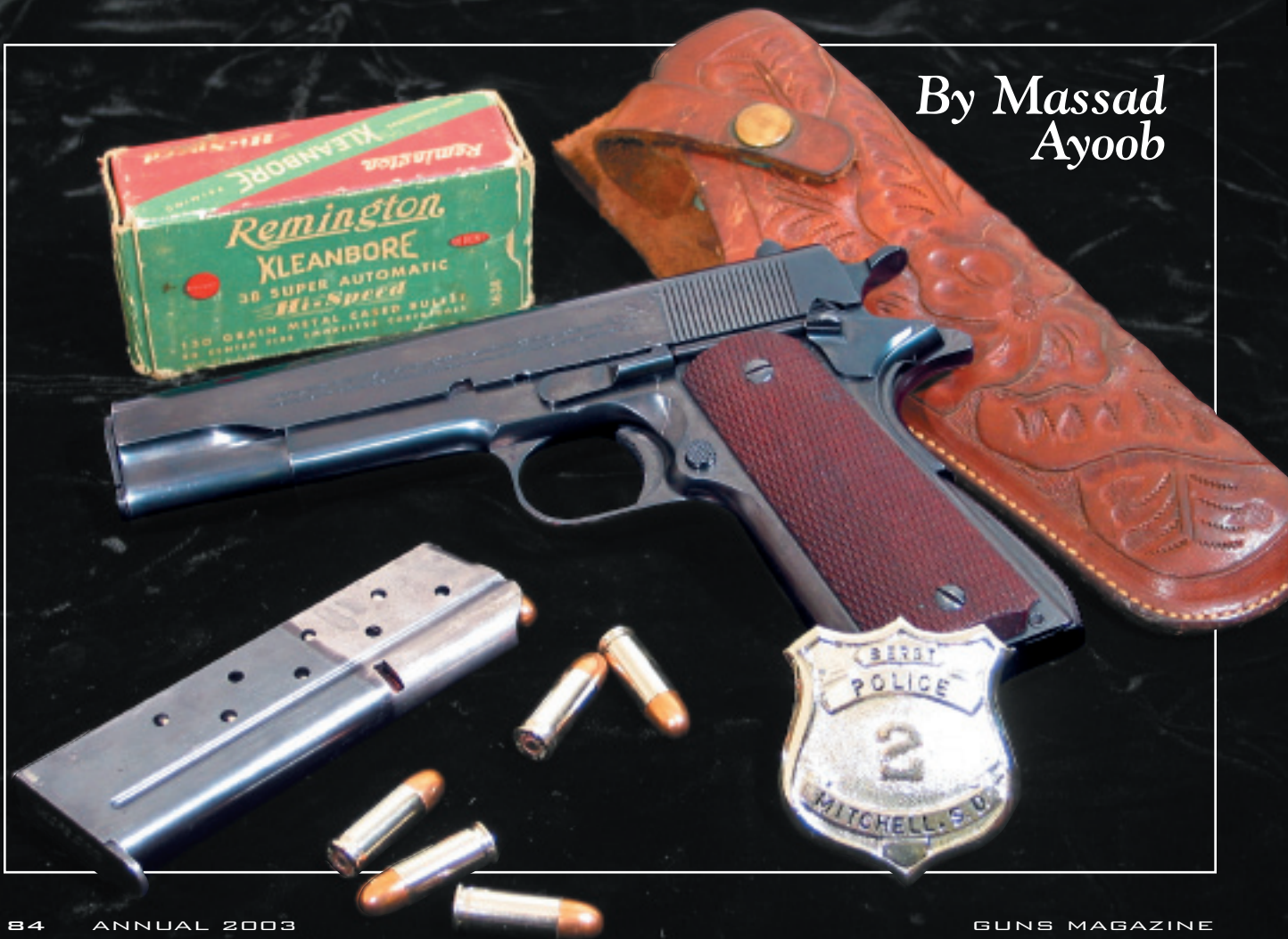




*Between modern 9mm ammo and  
so Super these days. Even so,*

# *The .38 Super Today*

*By Massad  
Ayoob*





# the .357 SIG, the .38 doesn't seem this grand old cartridge has its place.



*Kimber's Stainless Target .38 Super offers phenomenal out of the box performance.*

**1929.** The Roaring Twenties were drawing to a close, but the war on crime was not. Bandit gangs abounded in the U.S., and police sought more powerful weapons capable of piercing the bodywork of the powerful Ford V8, virtually the universal vehicle of the criminal element.

## Enter The Colt .38 Super.

Updated from the .38 Auto cartridge of 1900, the Colt .38 Super was distinctly hotter. The case was .9 inch in length and semi-rimmed. While other auto pistol cartridges headspaced at the case mouth, the Super did so at the rim. Stated ballistics for the cartridge were 1,300 fps with a 130 grain bullet, delivering 490 foot-pounds of energy. This made the Super perhaps the most potent handgun available in terms of muzzle energy, and certainly the flattest shooting.

Strong early support came from Major Julian S. Hatcher, one of the most influential firearms experts of the time. In comparing the Super with the .45 ACP cartridge, Hatcher wrote in the *American Rifleman* in May of '29:

"At 150 yards if we aimed at a man's head with the Super automatic, we would hit him in about the pit of the stomach, whereas with the Government model we would probably miss him entirely... Another great



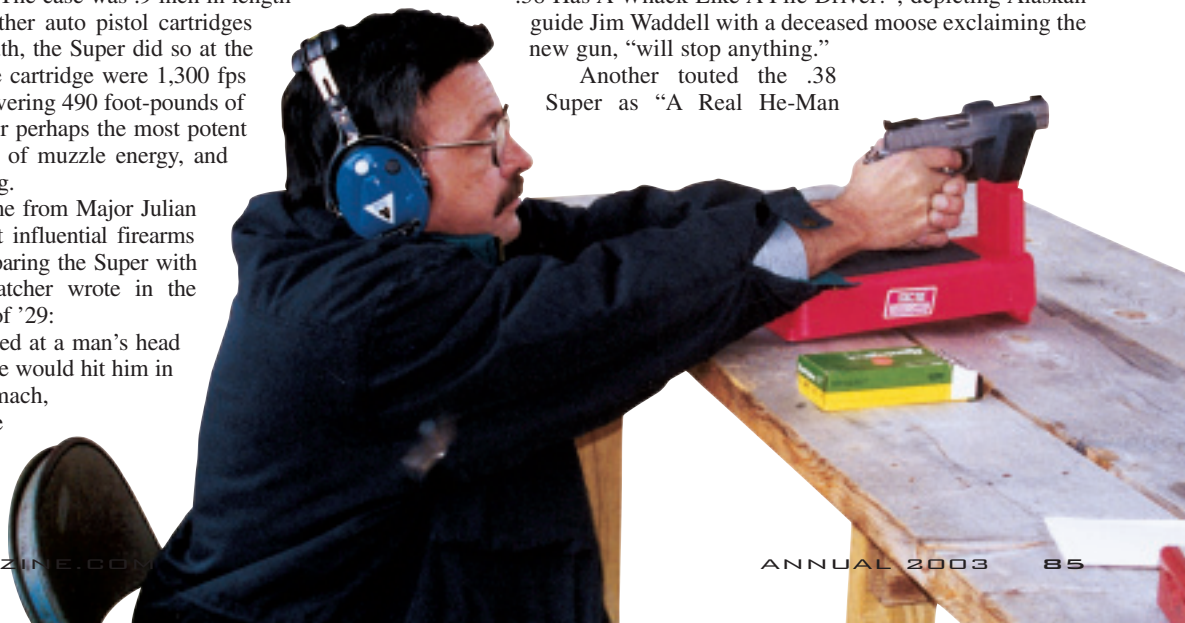
advantage of the high-speed bullet is that it shoots very close to the mark at reasonably long distances and still has plenty of energy at those ranges. For example, a good shot armed with the new Super .38 would have no reason to be afraid of a man 150 yards away armed with a Government automatic .45. Chances are that the man with the Super .38 could make the other lay down his gun."

## "A Real He-Man Gun"

The deep penetration of the high velocity full metal jacketed round also made it appealing to hunters as a backup weapon against dangerous game. And Colt emphasized this in advertisements for the new pistol.

One ad of the period began with the banner line: "Colt Super .38 Has A Whack Like A Pile Driver!", depicting Alaskan guide Jim Waddell with a deceased moose exclaiming the new gun, "will stop anything."

Another touted the .38 Super as "A Real He-Man





Gun" suitable "For the Big Game Hunter, Trapper, Explorer and Target Shooter." Still another claimed, "It's a super-powered, accurate big game automatic that can stop anything on the American continent."

Hatcher observed: "It has already been stated that the deep penetration of the .38 automatic cartridge is well thought of in countries where it may have to be used against very large animals. At close ranges the .45 caliber is, no doubt, equal to the .38 Super automatic for most purposes; but it is certain that a man wearing one of the bullet-proof vests which are now becoming popular in certain quarters would have much more reason to be afraid of the Super .38 than of the .45."

That penetration was to make the Super an object of attention for those on both sides of the law.

### A Tale Of Two Sides

The bad guys of the Roaring Twenties and Depression-era Thirties knew an enhancement in deadly weapon technology when they saw one. Historian Paul MacCabee described the aftermath of the Dillinger gang's escape from authorities in St. Paul, Minn., after a blazing firefight:

"Dillinger had left behind a staggering arsenal — including a Thompson submachine gun, two automatic rifles, a 100-round loaded machine gun drum, a .38 caliber Colt automatic with 20-shot magazine clips, a

vertical grip to convert the Colt into a small submachine gun, and two bulletproof vests. In addition, (Homer) Van Meter's car disgorged a .351-caliber Winchester repeating rifle with thirteen loaded clips, a submachine gun, and a loaded 100-round magazine."

MacCabee also studied police response to this incident, and recorded St. Paul Police Chief Tom Dahill saying, "There is not a big-time gangster who comes to St. Paul but who has more modern, high-powered equipment than the entire St. Paul Police Department."

According to MacCabee, "Two St. Paul

newspapers responded by raising more than \$1,800 to buy machine guns for the police. The FBI privately discussed outfitting its agents with the very .38 Colt automatic pistols and bulletproof vests used by the Dillinger gang."

Homer Van Meter was perhaps John Dillinger's closest and most loyal accomplice. He, too, was a fan of the new high-powered Colt .38 Super automatic. He died with one in his hand on August 23, 1934, in a gun battle with St. Paul police. Historian MacCabee describes his last moments thus:



*Slide marking of a 1935 vintage Super .38 Colt.*







*Shooters on both sides of the Tex/Mex border found the potent, flat-shooting Super .38 to their liking.*

© Bettmann/CORBIS





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© Austrian Archives/CORBIS

*John Dillinger was known to make occasional use of the Colt .38 Super in his "trade." Note the modified Super (Bottom right) in this collection of captured Dillinger guns. Dillinger's career came to a bloody end outside Chicago's Biograph Theater.*



© Bettmann/CORBIS



"Without warning, Van Meter was confronted by detective Tom Brown, police chief Frank Cullen (who had served under Brown as assistant chief), and two other officers. The police were armed with two sawed-off shotguns, two machine guns, and three words: 'Stick them up!' Firing two shots over his shoulder from a .38-caliber Colt automatic, Van Meter ran south on the east side of Marion across University, toward an alley near Aurora...

"A blast of buckshot from Brown's shotgun blew Van Meter two feet off the pavement. 'As he lay on the ground, he tried to get his revolver (sic) up to fire another shot,' recalled an eyewitness. 'But his hand was mangled by a machine gun blast' that nearly severed his arm. By 5:30 PM Van Meter was dead, slumped against a garage wall between Aurora Avenue and Marion Street. He had fifty bullets in his body, \$923 in his pocket, and a gold-filled Bulova watch on his wrist. A pistol lay 10 feet from his hand."

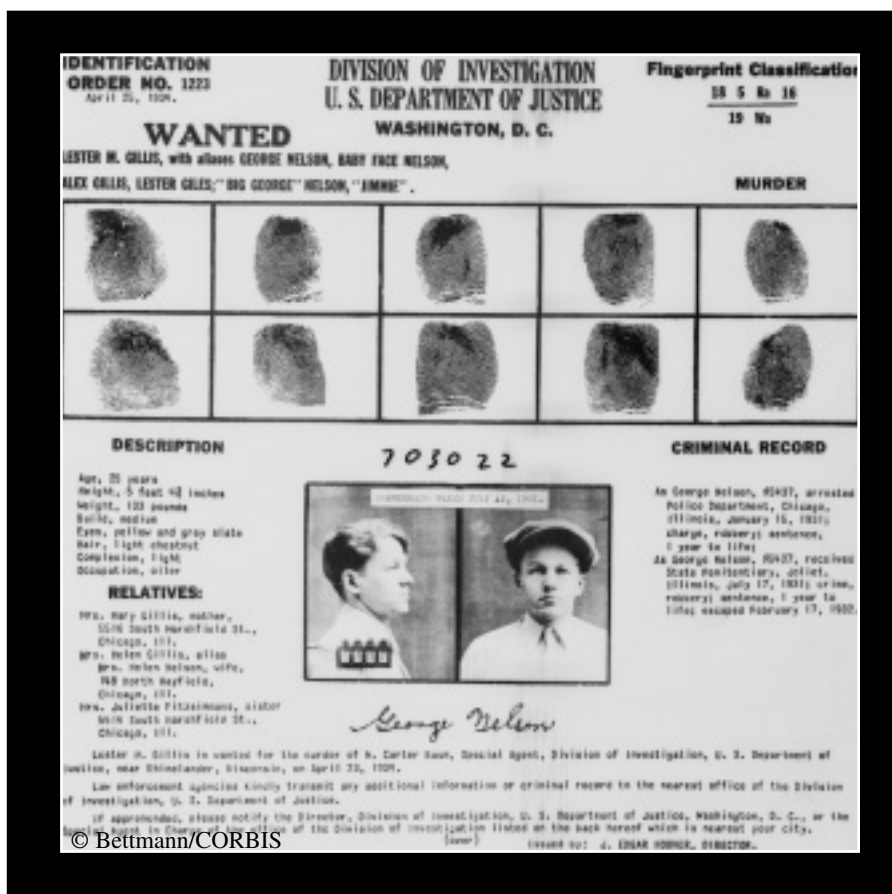
### Dillinger's ".38 Automatic"

Dillinger himself is known to have possessed .38 Supers, but seems to have favored the Government Model .45. Despite his famous quote — "Never trust a district attorney, a woman, or an automatic pistol" — the famed criminal's signature weapons seem to have been the Thompson submachinegun and the Colt semiautomatic handgun in its various forms.

Some believe that Dillinger, like his buddy Van Meter, died with a Super in his hands. Most accounts of his death have Dillinger drawing a ".38 automatic" from the vicinity of his hip pocket as he ran down an alley near the Biograph Theater in Chicago, cut down in a hail of FBI bullets before he could pull the trigger. However, my understanding is that the gun in question was actually a Colt 1908 Pocket Model "hammerless" caliber .380 ACP. During that period, the .380 ACP was often referred to generically as a ".38 automatic."

### Baby Face

*Picture yourself as a small town peace officer in the 1930s. Your choice of handgun might be a six-shot Colt revolver, a six-shot S&W or a fast-loading 10-shot Colt Super .38. Tough choice, isn't it?*



**Lester Gillis, better known as "Baby Face Nelson," not only used Super .38 autos, he is known to have modified them into machine pistols.**

Dillinger's contemporary and acquaintance Lester Gillis, AKA "Baby Face Nelson," was more of a Super fan. He fancied himself a gunsmith and converted a number of 1911 Colts to fire full automatic as machine pistols, many of them chambered for .38 Super.

Acutely aware that lawmen pursuing

him were as likely to wear bulletproof vests as he was, Nelson wanted something that pierced body armor, indeed a forte of the Super cartridge. In one gun battle he was heard to shout, "I know you're wearing bullet-proof vests, so I'll give it to you high and low!" His bullets struck one officer in the head and the other in the groin, dropping them both.

However, he was wearing neither armor nor a Super in his final gunfight, when he shot it out with FBI agents Hollis and Cawley. Nelson's Thompson submachinegun fire killed both agents, but not before they wounded him with some 17 hits from their own weapons, a Thompson and a 12





© Phil Schermeister/CORBIS

***Sheriff of Batopilas, Mexico and his deputy. The Colt Super .38 remains the pistola of choice south of the border.***

gauge shotgun. Nelson died of his wounds later that day.

**Law Enforcement Looks At The Super**

As historian MacCabee reported, the FBI was indeed looking into the .38 Super. In fact, a quantity were purchased by the Bureau. This writer has seen one in the historical display at the FBI Academy in

Quantico. G. Gordon Liddy wrote in his autobiography that he was inspired to join the FBI by his uncle, an agent of the Bureau who carried a Colt Super .38.

Douglas D. Sheldon, perhaps the leading authority on the .38 Super, notes quantities were purchased by various American police departments, including those of "Burlington, Vermont, St. Louis, Missouri, and Escanaba, Michigan." In addition, he notes, "The gov-

ernment of Thailand (known by name in the 1930s as 'Siam') ordered a total of 1,800 pistols in six shipments between 1936 and 1937."

Mexico would become the single greatest redoubt of the .38 Super. The ergonomics of the Colt Government Model pistol made it a favorite in a land where men considered it a male prerogative to go armed, but where the government had banned military calibers.

Since the Republic of Mexico issued the Colt .45 auto as a service pistol, that left available the .38 Super. The caliber was also extremely popular among Mexican law enforcement. While touring the Colt factory in late 2001, this writer observed a quantity of specially marked Government Model .38 Supers about to be shipped to a Mexican police agency.

While the .38 Super was never the most popular U.S. police handgun, it remains in scattered use even today. In the mid-1970s, this writer attended a police survival class in Southern New Hampshire and, like many of the students, came in uniform. I and another uniformed officer were carrying cocked and locked Colts, and we struck up a conversation.

***Bruce Gray custom .38 Super.***





This other officer introduced himself as Ken Beers of the Pepperell, Mass., police department. His sidearm turned out to be a Government Model in .38 Super. When I asked him why he made that choice, he smiled and answered, "I wanted an auto, and our regs say we can carry any .38 caliber Colt or Smith & Wesson handgun."

The .38 Super had literally squeezed him through a loophole. Ken later retired after a long and honorable career, much of it spent wearing the Super.

A couple of times in the 1980s and 1990s, it looked as if the U.S. Secret Service was going to adopt the .38 Super. Relying heavily on input from the Armed Forces Institute of Pathology and intensively monitoring gunfight results around the country, the Service had determined that light, fast, hollow-nose bullets had the limited penetration and massive shocking power their mission parameters called for.

The guns were to have been made by SIG. Instead, they went to the P228 pistol in the 1980s, loaded with +P+ Remington 9mm JHP ammo at 1,300 feet per second. They discovered this round worked very well indeed for dropping bad guys, averaging a safe 10 inches or so of penetration in human bodies.

Wanting more of this good thing, they moved up to the .357 SIG in the late 1990s, issuing the SIG P229 in this caliber with 125 grain Winchester Ranger JHP ammo at a stated velocity of 1,350 feet per second, delivering 506 foot-pounds of energy at the muzzle. Only a relative handful of SIG-Sauer .38 Supers were produced, as both the BDA pistol for Browning and SIG's own P220. These remain collectors items.

### **.357 Magnum Versus The .38 Super**

The .38 Super cartridge only had six years of dominance as "the most powerful handgun round available." The year 1935 saw the introduction of the .357 Magnum. The initial ammo allowed a 158 grain semi-wadcutter bullet to leave a long barreled revolver at a screaming 1,500 feet per second, though ballistics would later be toned down. Immediately coronated as the new king of handgun cartridges, and billed as "the cartridge that took the 'proof' out of bullet-proof vests," the Magnum quickly stole the Super's thunder.

American police for the most part considered the double action revolver their trademark gun, and were leery of single action semiautomatic pistols. A number of state police and rural law enforcement agencies converted to the .357 Magnum. The very first such revolver with a 3½ inch barrel was presented to J. Edgar Hoover. And while the .38 remained standard issue with the Bureau, the .357 Magnum became something of an unofficial standard among those who purchased their own. These included such famed gunfighters of the FBI as "Jelly" Bryce and Walter Walsh.

Soon, the .357 Magnum had thoroughly

eclipsed the .38 Super in the United States among both hunters and lawmen alike. Only a relative handful of gun enthusiasts would stay loyal to the Super.

### **.38 Super Factoids**

Arming pilots and the appropriate choice of guns and ammo for this mission is much in the news today. People forget that for many years commercial aircraft pilots were routinely armed as a function of their custodial responsibilities when transporting U.S. mail.

Said Colt in one old ad for the .38 Super, "You'll find the Super .38 standard equipment on many commercial air lines where Uncle Sam's Air Mail demands positive protection." A photo of a twin-prop airliner was

captioned, "Colts faithfully ply the skies with Transcontinental and Western Air, Inc. — the Lindbergh Line — shortest route coast to coast."

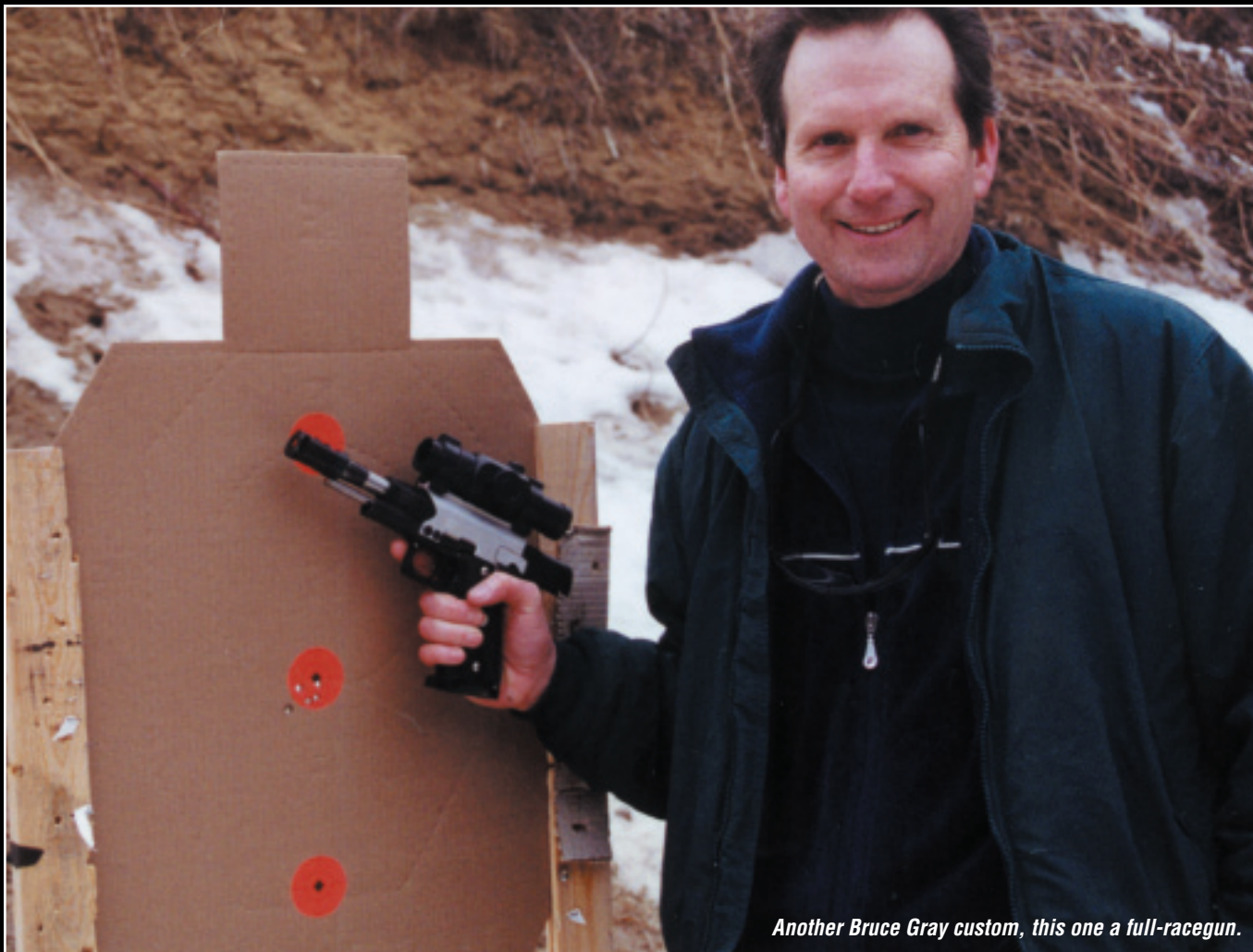
Peters introduced a hollowpoint .38 Super load sometime in the 1930s. Literature is silent as to how well this bullet performed in flesh. Curiously, it was marketed not for self defense, but for bear hunters who during an emergency were most likely to need the deep penetration of the 130 grain full metal jacket Super ammo.

These semi-jacketed HP rounds offered ample soft lead exposed at the tip, which would have created much potential for jamming guns not "throated" and lacking ramped barrels.

Even so, this may have been the industry's very first high-performance hollowpoint car-







*Another Bruce Gray custom, this one a full-racegun.*

tridge for a self defense type gun. If a cartridge collector could sacrifice some from his display case, it would be interesting to test it today in gelatin or a slaughterhouse.

Colt did not actually call the gun a "Government Model" in the early days. It was marketed as the "Super .38 Automatic", and so inscribed on the slide. Not until late in the 20th century would it be listed in a Colt catalog as merely one more caliber option in the Government Model line.

The .38 Super was also offered in the National Match target pistol configuration with adjustable sights prior to World War II. In the early 1950s, the Super was an option in the lightweight, 4¼ inch Colt Commander pistol, and later in the all-steel Combat Commander. These guns did not sell especially well and are much sought after today.

When Colt authorities are asked why they were discontinued, we receive varying answers. Some say the aluminum frames did not stand up well to the high pressure .38 Super round. Others say they were dropped for the same reason as the 9mm Commanders, simply because consumers didn't buy them.

## Fast Forward

By the 1980s, International Practical Shooting Confederation action handgun matches were in full swing, and the expansion chamber recoil compensator was becoming standard equipment. IPSC ace Rob Leatham discovered the high pressure Super round made a compensator function so efficiently it could give the shooter a pistol of minimum recoil that still made Major Power Factor.

But, this required some pretty significant hot handloading of the cartridge. There were many case head separations, particularly in the typical unsupported chambers of early Super conversions.

Grips tended to blow off in sharp pieces. Before long, almost all Super fans fastened steel-lined Pachmayr Signature grips on their Supers to protect their hands. And the spray of hot debris in the chops couldn't be avoided when an overloaded Super blew, an occurrence so common that race gunners gave the phenomenon a name — "Super face."

The .38 Super remains the dominant cartridge in open-class IPSC shooting today. Modern guns have made it better than ever. Irv Stone at Bar-Sto realized the reputation

for mediocre accuracy that haunted the .38 Super since its inception stemmed from the concept of headspacing at the case rim instead of the case mouth.

Headspacing on the mouth, the Bar-Sto barrels instantly tightened accuracy into match-winning shot clusters. A fully ramped barrel with fully supported case head, introduced by Bar-Sto as well, became the industry standard. Thus, today's .38 Supers are not only better but safer than their predecessors.

## Shooting The .38 Super

Handgun competitors Mike Briggs and Mark Maynard joined me at the range for a shooting session with a trio of .38 Supers. One was the new Stainless Target in that caliber by Kimber, with factory ramped barrel and Swartz-type firing pin safety. The other two were Mike's, built for him by master pistolsmith Bruce Gray. One was a comp gun on a Chip McCormick frame with Colt Government Model slide, Gray compensator, and ADCO red dot sight. This is state of the art in a race gun, with fat-body magazines holding up to 27 rounds. The other was a single stack "stock gun" Gray had built from a Springfield Armory 1911A1 pistol





**"Never trust a  
district attorney,  
a woman, or an  
automatic pistol"  
-John Dillinger**

## .38 SUPER

Manufacturer/Round	Muzzle Velocity	Muzzle Energy
PMC/9mm 115 gr. JHP	1,167 fps	350 ft-lb
PMC/.38 Super 115 gr. JHP	1,116 fps	318 ft-lb
Winchester/Ranger 9mm 127 gr. +P+ JHP	1,250 fps	441 ft-lb
Winchester/Silvertip .38 Auto 125 gr. JHP	1,240 fps	427 ft-lb
Pro-Load/Tactical +P 9mm 115 gr. JHP	1,300 fps	431 ft-lb
Remington/.38 Super 115 gr. JHP	1,300 fps	431 ft-lb
Federal/.357 Magnum 110 gr. SJHP	1,300 fps	410 ft-lb
Cor-Bon/.38 Super +P 115 gr. JHP	1,450 fps	537 ft-lb
Federal/.357 SIG 125 gr. JHP	1,350 fps	510 ft-lb
Cor-Bon/.38 Super +P 124 gr. JHP	1,350 fps	506 ft-lb

with Bar-Sto barrel.

The accuracy of these guns put the old Supers to shame. Using his own handloads, Mike delivered a 1.4 inch 5 shot group at 25 yards with the comp gun, the best three shots in 0.65 inch. The great Mickey Fowler is said to have shot similar groups at twice the distance with such refined Supers. The "stock" Gray Springfield put five rounds of Remington 115 grain JHP .38 Super into 2 1/2 inches, the best three clustering in 1 1/2 inches.

From the out of the box Kimber, Mike's mild IDPA handloads built around the 121 grain Hornady JHP Action Pistol bullet went into a 2 1/4 inch five-shot group at 75 feet, the best three in 0.85 inch. The Remington JHP from the Kimber stayed under 3 inches. PMC hollowpoints opened up a bit more at the target. Cor-Bon 124 grain, the hottest load tested at about 1,350 fps, tended to group in a 3+2 pattern, with the whole group measuring around 4 inches but with the best three shots packed in less than 2 inches.

All felt mild. Light recoil has been an advantage of the .38 Super since the beginning. The three test pistols all functioned flawlessly.

### Current Perspectives

Current high-performance loadings of the 9mm Parabellum seem to have made the .38 Super obsolete in the eyes of many shooters. Bob Forker confirms this in his authoritative text, *Ammo and Ballistics*. "The performance of the .38 Super Auto Colt is approximately equal to the 9mm, which may explain why its popularity seems to be in decline," Forker explains. A quick look at the ballistics tables confirms why.

Note that in some instances, with the notable exception of the Cor-Bon, the 9mm hot-loads not only equal but exceed the .38 Super. High performance ammo from the small companies is not as widely available as it should be. (If you can't find it locally, Pro-Load Tactical +P 9mm and Cor-Bon .38 Super are available to law-abiding adults mail-order from Armor of N.H., [800] 624-9049). The very hottest small-factory loads bring the Super into the range of low level .357 Magnum, and achieve the ballistics of the legendary 125 grain Magnum round when fired from a short barrel revolver, with much less recoil and flash and with more firepower.

Today, some see the .38 Super as a game tool for IPSC. It is that, of course. To others, it is an anachronism made obsolete by improved 9mm Luger ammunition and by the .357 SIG cartridge.

But its self defense function remains. The aforementioned Mike Briggs has just bought a Kimber Stainless Target II as a carry gun, to complement the 5 inch Gray Custom Springfield (IDPA enhanced service pistol) and the Gray compensator gun (Steel Challenge, IPSC) that he uses for competition in the same caliber. Bonnie Young, an accomplished concealed carry instructor in North Carolina, wears daily a customized lightweight Colt Commander loaded with

Cor-Bon 115 grain .38 Super. It fits her tiny hands well, and gives her a 10 shot .357 Magnum equivalent with controllable recoil and deadly accuracy.

So it looks as if the .38 Super will be with us, serving several functions, for some time to come.



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*The Rifleman's Rule: When you can get closer... get closer. When you can get steadier... get steadier. Fadala has found his pack frame a valuable shooting aid when time permits its use.*



# **.30-30 Winchester — The Never-Say-Die Cartridge**

*Maligned by many  
as obsolete, the .30-30  
continues to serve  
hunters throughout  
North America.*

---

**By Sam Fadala**

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I find myself, from time to time, defending the .30-30 Winchester cartridge and wondering why. The detractors, after all, are correct. The little .30 is clearly whipped upside down and sideways by many modern rounds. As one shooter put it, “The only reason the .30-30 survived is because rifles for it were cheap.” That’s partly true.

A glance at Stoeger’s *Shooter’s Bible* for 1939 shows a price tag of only thirty bucks for Winchester’s Model 94 .30-30 carbine. The more comely Model 64 with semi-pistol grip stock and 24-inch barrel ran under \$50, the checkered deluxe version with sling going for less than 60 greenbacks. Meanwhile, a standard grade Model 70 Winchester cost more than two Model 94 carbines. A fine imported Mannlicher-Schoenauer in the same time frame sold for the equivalent of two Model 70s or five M94 carbines.

## **Why? Because It Works**

But was it economy alone that kept the .30-30 on the bestseller list? I don’t think so. The excellent Model 1899 Savage in 1921 was chambered for the .300 Savage cartridge, only a ballistic notch under the .308 Winchester. Two decades later that lever-action rifle was still chambered for the .30-30. The more powerful .300 Savage had not broken its back. Thousands of hunters who bought a Model 99 chose the .30-30 over the .300. If the cartridge did not work, it would have fallen into the shadows a long time ago.

Work. That’s the operative word for the .30-30, and the reason why



***Cast and jacketed bullets bring tremendous versatility to .30-30 loads.***

it survived every onslaught known to the gun industry, including the chambering of more powerful cartridges in the same Model 94 rifle! If ever the .30 WCF, as it was first known (Winchester Center Fire or Central fire) had a reason to go toes up, surely the .307 Winchester was a good one, or the strong .356 Winchester. Or how about the return of the .38-55 in the guise of the more powerful .375 Winchester?

The .30-30 didn’t say die because hunters found that it worked, especially on deer in the woods, the most popular big game in America in the most common setting — close up and personal — brush, thickets, woods, any niche that housed Mr. Fantail.

## **Technique Is The Key**

The real wonder is not the continuance of the .30-30, but how





*Good stuff from the used gun rack — Savage 1899A .30-30 and vintage Marlin 336.*

***Two handloads using the 165 grain Speer spitzer bullet flank a 170 grain Hornady factory load. The .32-40 is for comparison. Spitzer bullets offer ballistic advantages, but must not be loaded in the tubular magazine for obvious reasons.***



it carried on for so long in rifles that demanded precise handling. Hand over a modern bolt-action scoped rifle to a green hunter and he'll normally do okay with it. Not so the 94, or for that matter the Marlin 336, or any other slab side, especially with iron sights. Success with that type of rifle requires practice and experience. But with practice and experience, these rifles are deadly.

I was without a .30-30 for a few years. Maybe I had bought into the fact, and it is a fact, that many superior cartridges exist. I was talked out of my 24-inch barrel Model 94 that shot so well, also an original Model 1894 takedown with fancy checkering. Then it happened.

Ron Cox, retired SWAT officer who was in the process of training me in combat handgunning, brought his old-time 26-inch barreled Model 1894 rifle to the range one day to test a new load for Cowboy Shooting. I got an itch as Cox settled down at the bench, aiming the iron sights of that throwback lever-action rifle at a bull's eye 50-yards away. Five shots later daylight peeked

through holes covered by a two-bit coin.

But that was only 50-yards from the muzzle. No big deal, really. What Cox did at 100 yards, however, was a big deal. The group was smaller than the head of an anemic jackrabbit, or as Paco Kelly, the lever-action enthusiast says, "a minute of squirrel head." Moreover, the rifle and load were consistent. Not one bullet took off for left field.

"I'm plumb tickled," Ron exclaimed.

### **A Great Cast Bullet Caliber**

The Oregon Trail Bullet Company's Laser-Cast™ 170-grain flat nose bullet that made those groups was slated for the game field. And why not? Even though the deer Cox pursues lives in the desert mountains of Southeastern Arizona, hunting draws and other tight places provides the opportunity for close shots. Best choice for Coues white-tail? No way. Cox opted for the .30-30 not because it was ideal for the circumstance, but for the challenge and downright enjoyment of packing the old-timer.

So where does the .30-30 fit in? There are many different big game rifle pigeon-holes these days, more than ever before.





*Fadala sometimes employs spitzer bullets in his .30-30 handloads. If used, the rifle may be carried with chamber empty and only two rounds loaded into the magazine.*

Some hunters use flintlocks. Others enjoy traditional percussion muzzleloaders. Going up a notch to a more sophisticated front loader, there's the modern in-line rifle. I detested the early models, but now thoroughly enjoy these powerhouses. I feel no shame toting a single-shot charcoal burner, be it ever so modern, when other sportsmen are packing repeaters chambered for high-velocity modern cartridges.

Rifles of the .30-'06 class up to the .300 Magnum comprise another level. The latest hotrock rounds, such as the 7mm STW and other super magnums, fall into yet another class. And so forth. In my opinion, the .30-30 rests between in-line muzzleloaders and high-velocity repeaters. Therein lies the challenge. And it's not for everyone, nor for all circumstances.

No right-thinking outdoorsman can recommend a .30-30 for long-range deer or antelope, nor as the first choice for heavy bodied elk or moose at any distance. Yet, the confident, practiced marksman can do it all with a .30-30 if he's a careful hunter, not firing at jumped game across the canyon, but still-hunting in such a manner that opportunities come at under 150 yards. Thousands of bucks, bulls, and boars have been cleanly

dropped with the .30-30, including monsters of the grizzly bear clan. Eskimo hunters carried .30-30s for years, even against the great white monster of the ice.

Shooting lead projectiles with accuracy from the .30-30 piqued my interest, especially the 170-grain gas-checked Laser-Cast bullet, which I knew was up to big game hunting with guaranteed penetration potential. And so I opened the door once again to the world of the .30-30 with three rifles.

### Used .30-30s Are Plentiful

I already had access to a Model 94 carbine whenever I wanted to use it. I added a Marlin 336, admired some time ago, but never owned. I elected for the longer barrel 336A, counterpart to Winchester's Model 64. Although not as pretty as the 64, the Marlin was always accurate, the strong action allowing relatively impressive handloads. The Model 336A was built from 1948 through 1962, enjoying another run from 1973 to 1980, but it never replaced the shorter-barreled carbine versions.

I also came across a Model 1899-A Savage in .30-30. Luckily, someone had destroyed its collector value by refinishing, so instead of a thousand bucks that fine rifle was now worth only three bills, which I gladly parted with.

I was back in the saddle, and it didn't take long to relive that old feeling, relying on a rifle that demanded get-close, but when you did, it was meat in the locker every time. I like what the late gun writer Warren Paige said about the .30-30 being a "balanced cartridge," providing good bullet performance at closer ranges. It was never intended as an end-all round by Winchester. It was, after all, merely a .32-40 black powder cartridge case massaged into new dimensions, or as some sources insist, a remodeled .38-55

Winchester case.

*Cartridges of the World*, Ninth Edition, informs that "The .225 Winchester, .22 Savage High Power, .25-35 Winchester, .32-40 Winchester, .32 Winchester Special, .375 Winchester and a host of wildcat cartridges are based on this (the .38-55) case." Ballard developed the .32-40 and .38-55 in 1884. So it's impossible to prove which case was truly parent to the .30-30.

But it was certainly the first widely accepted smokeless powder sporting cartridge, along with its little sister, the .25-35, which appeared at the same time in 1895 chambered in John Browning's Winchester Model 1894 rifle with nickel steel barrel to manage higher smokeless powder pressures.

### Original Loadings

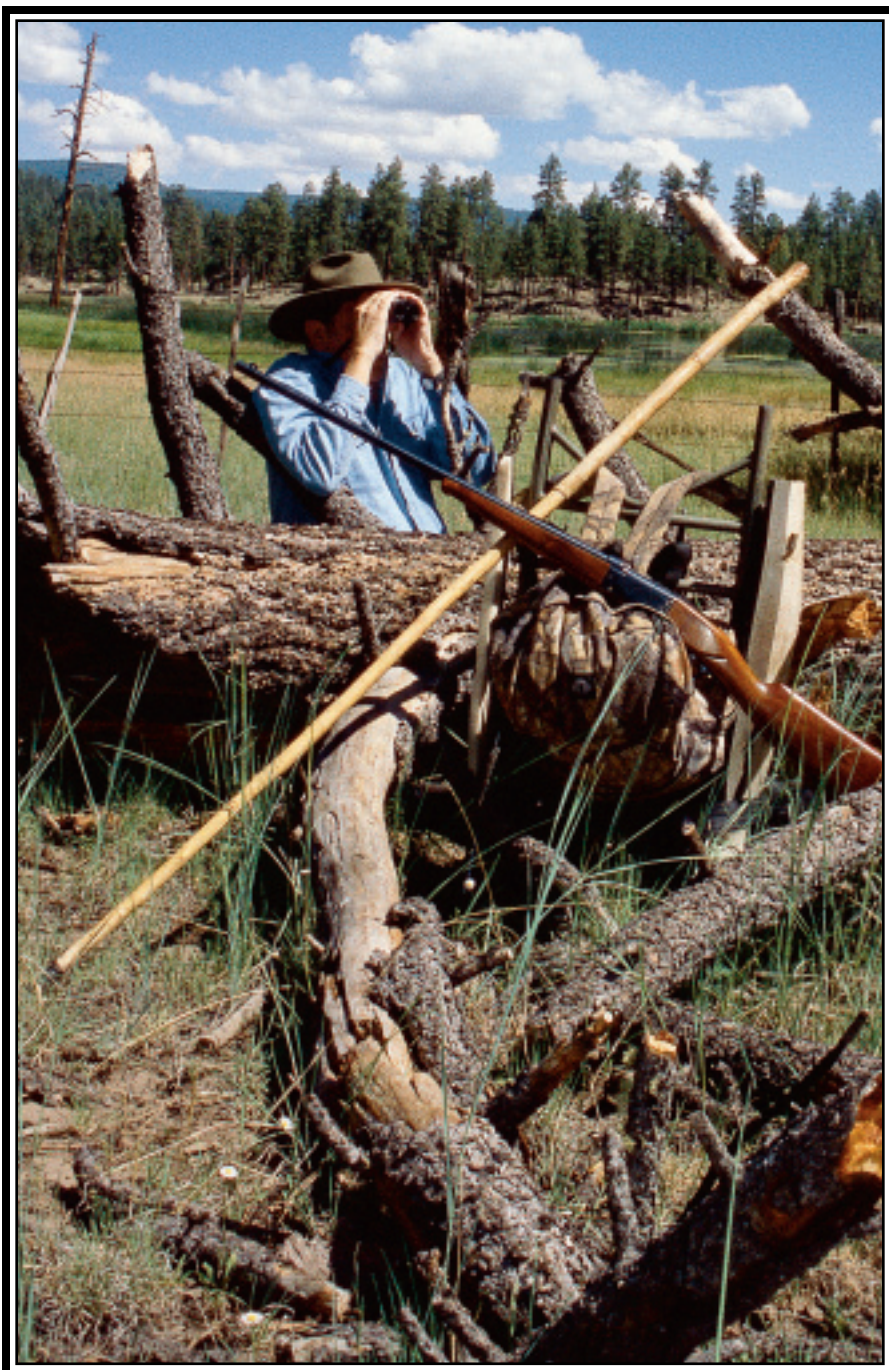
Winchester's extended catalog of 1916 refers to the .30-30 as the .30 Winchester. The original 160-grain bullet is left out of this publication. A 170-grain soft-point or full patch (full metal jacket) and a Short Range load with 117-grain lead bullet, soft-point or full patch, are the only choices. Cartridges with 170-grain full metal jacket or soft-point bullets went for \$38 a thousand, while the Short Range load sold for \$30 per thousand.

In 1916 the ".30 Winchester" was given 2,008 fps with a 170-grain bullet for 1,522 foot-pounds. In 1916 2,000 fps was no longer super fast, as it was in 1895 when black powder cartridges ruled. The .30-'06 was on the street with a 150-grain bullet at much higher velocity.

### Taking To The Field

Having hunted extensively with recurve and longbow, as well as with the muzzleloader, my new/old Marlin .30-30 and





**Simple and reliable — Fadala finds that his .30-30s work well in the field.**

Savage 1899 were long-range wonders — efficient on deer-sized game in my hands, with iron sights, all the way out to an amazing 150 yards. I knew that distance was good by virtue of consistent acceptable groups, plus remaining energy figures. The .30-30 provided a middle challenge, in between muzzleloader and long-range scoped rifle.

Careful sight management made the difference between hits and misses, as well as bloated practice groups versus tight clusters. The routine went this way: snug down on the stock, face in firm contact, settle front bead optically in rear notch with same light on either side, front sight flush with top of rear sight, target a little out of focus, strict focus

on top of front sight. Maintain a steady hold. Squeeze the trigger with forefinger all but divorced from the hand as if it were a separate part of the body. Bull's-eye!

Adding a Lyman receiver sight to the Marlin, with its fine micrometer adjustment, provided even greater tight-group capability. The smallest 50-yard group with Laser-Cast bullet handload went well under a half-inch for three shots witnessed. Anything over inch-size groups were considered flukes on the dark side, while two-inch groups at 100 yards for five shots were ho-hum.

### **An Early Lesson**

My hunting friends and I did poorly with



***It's a shame these old guns won't shoot well.***

.30-30s in our youth because of an aiming style known as snap shooting. We fell into a pit of irrational thinking, that we didn't really need to see the sights — just rack the rifle to shoulder, point the muzzle, and crack! The art of snap shooting is fine, but logically the bullet can only go where the sights are indicating. I finally learned to shoot a Model 94 accurately from two fine hunters, fathers of best friends: Mr. Mullens, the Louisiana Man as I called him, and my other mentor, Mr. Black. Both managed their iron-sighted .30-30s with slow deliberation.

I was catching on. The right way to shoot was precision aiming, sending a bullet from that .30-caliber, slope-shouldered cartridge barely exceeding twice the speed of sound accurately on target. I did not forget my lessons. With plain iron sights and a cartridge feeble as a field mouse contrasted against the roaring magnums of the day, the result was strike after strike, deadly as a rock-shaded rattler on a hot day.

### **Loading The Little .30**

The .30-30 is an easy cartridge to load for with seldom a crumpled case, no problem full-length resizing, and more good loads than any four shooters could ask for. My goal was a flat 2,000 feet per second with the 170 grain Laser-Cast gas check bullet, sufficient velocity for my .30-30 requirements, especially hunting creek dwelling whitetails in northern Wyoming. But that goal was easily exceeded in the Marlin with

*continued...*



# Notes On Reloading For The .30-.30

The .30-30 is a pleasure to reload, and good combinations are easily found. Of first importance is to select a bullet appropriate to the game being pursued.

## Bullets for Deer and Black Bear

Frangible 150-grain jacketed bullets out of the .30-30 are effective for medium to smaller deer. Also deadly are slightly lighter bullets, such as Speer's fine 130-grain flat-point and Sierra's excellent 125-grain flat nose JHP. An exception is Nosler's 170-grain Partition, which opens up readily, but cannot separate core from jacket because of the barrier between the two. For larger deer, 170-grain bullets are a good choice; however, these should also be the type that upset in the target.

The .30-30 possesses sufficient arrival velocity to "mush-room" harder bullets, but may whistle through without telling effect. When hunting with harder bullets such as the Laser-Cast, aiming a little forward of the chest region is advisable. A hit through the shoulders will drop a deer on the spot. Cool practiced shots can also go for the neck with these harder bullets. Meanwhile, Laser-Cast and other harder bullets are excellent for larger-than-deer game due to high penetration potential with straight, long wound channels.

## Bullets For Elk And Moose

While no one is suggesting that more powerful rifles be left home in favor of the .30-30 for elk and moose, there is no argument that thousands of these larger animals have been felled for almost a hundred years with the little .30.

There is also no denying that grizzly bears and African fauna have dropped to the crack of this 1894 cartridge. Should I find myself in a timber situation with a .30-30 and an elk or moose tag in pocket, the bullet will be at least 170-grains, of which there are many excellent choices, such as the aforementioned Nosler, along with Hornady's 170-grain bullet with cannelure, which is deadly on bucks as well as bulls.

The 190-grain Silvertip bullet pulled from .303 Savage cartridges can be pushed at something like 2,000 feet per second, making it another good choice for game larger than deer. Barnes has a special 165-grain XFN bullet for the .30-30. This dedicated bullet company okays the .30-30 with this bullet for both elk and moose. Finally, the 170-grain Laser-Cast, if propelled at sufficient velocity, is a good choice for elk or moose because of its hardness along with a penchant for remaining intact, rather than fragmenting.

## Propellants For The .30-30

Different bullet companies, in producing their specific loading manuals, have included numerous powders suitable for the .30-30. Maximum loads with these powders vary. For example, a maximum charge of 30.5 grains H-335 is listed by Hodgdon for a 170-grain bullet, while Hornady goes with 34.0 grains H-335 and that company's 170 grain bullet. Meanwhile, Barnes lists 29.0 grains H-335 as maximum with its 165-grain XFN bullet.

Among the IMR powders, 3031 has always proved worthy in the .30-30. It remains a good choice, driving the 170 grain bullet at 2,120 feet per second according to the Hodgdon Manual. BL-C2 works well, as does Winchester 748, which in the current Hornady manual shows a muzzle velocity of 2,100 feet per second. Chances

are, a powder already on the shelf will work well in the .30-30. If your powder shelf is sparse, give consideration to Reloder No. 15. I've seen very fine results with this propellant in the old .30 WCF.

## Miscellaneous Tips

Standard Large Rifle primers are excellent in the .30-30 and nothing else is required. The three-piece die set is necessary for cast bullets, with an expander die to open up the case mouth just enough to admit a lead bullet without shaving the shank. Bullets should be crimped in the .30-30 for loading into tubular magazines. This is why bullets intended for the .30-30 have a cannelure (as a rule). While case length and overall length are important for all cartridges, it is imperative to keep .30-30 cartridge cases trimmed to proper length. An overly long case could cause a problem by wedging into the lead of the chamber, while overly long cartridges can hang up in the magazine, rather than feeding smoothly. Recommended: an RCBS .30-30 file-trim die, which is easy to use and foolproof. Uniformity in case length will also ensure uniformity in crimp.

## Selected .30-30 Loading Data

### 170 grain Laser-Cast Bullet

Powder	Charge	Primer	Muzzle Velocity
IMR-3031	26.5 grs	CCI 200	1,753 fps*
H-335	22.5 grs	CCI 200	1,609 fps*
WIN-748	27.3 grs	CCI 200	1,656 fps*
WIN-748	31.5 grs	CCI 200	2,027 fps**
AA-2700	33.0 grs	CCI 200	2,022 fps**
AA-2460	27.5 grs	CCI 200	2,069 fps**
Reloder-7	27.5 grs	CCI 200	2,226 fps**
H-335	29.0 grs	CCI 200	2,111 fps**

\*Winchester Model 94 Carbine with 20-inch barrel.

\*\*Marlin Model 336A with 24-inch barrel.

Standard deviation with Reloder-7 load in the Marlin was only 6 fps, a low 11 fps with the H-335 load. No leading noted with any of the above loads.

### 170-Grain Laser-Cast Gas Check Bullet

Powder	Charge	Primer	Muzzle Velocity	Standard Deviation
H-335	28.0 grs	Win. WLR	2,121 fps	60 fps
Reloder-7	27.0 grs	Win. WLR	2,201 fps	15 fps
Reloder-15	34.0 grs	Win. WLR	2,350 fps	9 fps

### 165 Grain Speer Boat-Tail Bullet

Reloder-15	34.5 grs	Win. WLR	2,333 fps	6 fps
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### 150 Grain Sierra Boat-Tail Bullet

Reloder-15	36.0 grs	Win. WLR	2,426 fps	11 fps
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Conditions: Except where noted, velocities are from the Marlin Model 336A with 24-inch barrel. Oehler 35P Proof Chronograph, 12-feet to mid-Skyscreen, 78 degrees Fahrenheit.

## Check-Up For Hunting Reloads

The following is absolutely essential for all handloads regardless of the firearm: Never leave for a hunt without ensuring that each and every reload fits the chamber of the rifle. Little can be done in the field or at the hunting camp when cartridges will not chamber in a firearm. The gun becomes no more effective than a club. Obviously chambering live rounds is not to be done without thought to the consequences of an accidental discharge. The safest bet is to head for the range or other safe, open area to perform this important check.







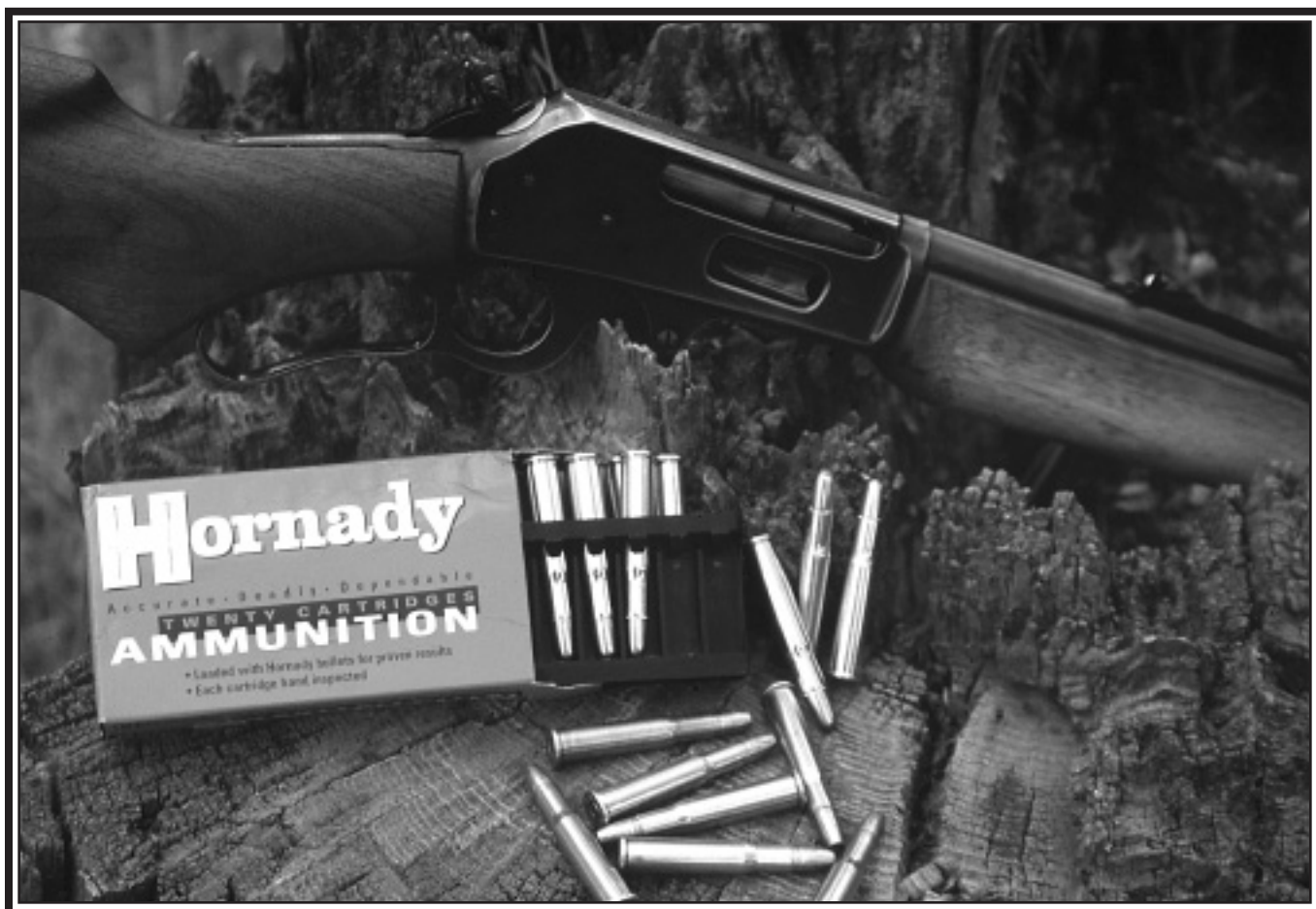
standard loading manual recipes.

The hard cast bullet would demand precision delivery, not through the boiler room, but just a little forward, taking the scapula. That shot with harder bullets drops deer on the spot. Three tags were available for my unit, one antlered, two not, fine rancher-fed animals every one, buck or doe. These whitetails are one of five different types in Wyoming — small of antler weighing around 160 to 170 pounds field dressed for mature bucks.

My top end loads with Reloder No. 15 powder were for hunting. I also cooked up baby loads for just plain shooting, one of those pleasures often laid aside in these busy times. Added to a fine two-die set from RCBS, a Lyman Neck Expander Die, set properly, belled the case mouth to allow hand seating the Laser-Cast bullet just past the gas check, aligning it perfectly for final seating and crimping. Crimping is important because of the tubular magazine, where recoil can force a bullet back into the case.

### Sensible Loading Practices

I'm the guy who wears a belt with suspenders so I coupled a Lyman Autoscale with an RCBS electronic scale for fast, but also absolutely precise powder charges. The Autoscale metered out perfectly adequate charges by itself. Regardless, I tossed





them on the digital scale for final weigh-in to the tenth of a grain. All loads came from bona fide loading manuals, reason being, they would be expected to work in the reader's .30-30. Maximum loads were cake in the Marlin, but the Savage action balked on a few. In no way is that a slam against this great action. The rifle in question, however, left the factory almost 100 years ago and its history from that point to my ownership is unknown.

The 1899 did accept all near-max charges, however, with accuracy. As expected, the longer barrels of the Marlin and Savage provided higher muzzle velocity than the 20-inch barrel carbines. For example, a Hornady load of 34.0 grains H-335 with that company's reliable 170-grain bullet clocked 2,100 fps in a Model 94 carbine. A mere 28.0 grains H-335 earned 2,121 fps out of the longer 24-inch barrel.

Reloder No. 15 powder, with a charge of 34.0 grains, produced over 2,300 fps with a 165-grain Speer boat-tail, which would be single-loaded in the Marlin due to bullet nose shape. Only flat nose or roundnose softpoint bullets may be used safely in pointed magazines. The rotary magazine of the Savage handles pointed bullets safely. The 165-grain Speer bullet at 2,300 fps is worth close to a short ton at the muzzle, 1,939 foot-pounds. At 200 yards, energy remains deer-worthy at over 1,300 foot-pounds. Fine accuracy with all loads was no surprise after witnessing the 170-grain Laser-Cast cut half-inch patterns at 50-yards.

### Oldtimers Are Catching On Again

Things old are new again. Cowboy Shooting is part of the reason for new life breathed into long-ago cartridges. Why else would Marlin chamber the .38-55 Winchester in its Model 336 Cowboy rifle with 24-inch octagonal barrel? But the Cowboy game is just the beginning of the fun. While it is no match, ballistically, for a vast number of newer cartridges, the .30-30 continues to perform for those who will use it within its limitations. A scope-sighted bolt-action rifle chambered for any of the high-intensity cartridges spans the little .30, but thousands of us don't care. We know that if we do our part, the old cartridge will come through every time.

Factory fodder is better than ever, with excellent bullets at good velocities producing close groups. As one principal of a major ammunition company reported to me, "I am not allowed to be more specific about sales, but we sell lots of .30-30 ammo!"

There's a reason for that. The old .30-30 works. Used with care and skill, it will serve you as well in the field as it has me. The kind of careful hunting and good woodsmanship that these little slabsided rifles require can be a very pleasant experience. Why not dust off Grandad's old .30-30 and put it back into service?



## Olive's Moose

Olive Fredrickson's story is told in *The Silence of the North*, about a brave lady who at times had to go it alone in the wilderness of British Columbia. Olive, embarking in a 30-foot dugout the local Natives left her in lieu of potatoes in the fall, set forth to procure meat for her three children and herself. She sat in the stern, padding what she called a heavy and unwieldy craft, her six-year old daughter Olive in the bow, next Vala, five, and finally baby Louis, only two. Since Olive was by herself, her husband having drowned, she had but one choice — to go it alone or not at all.

"My babies and I were hungry," She recalled. She desperately needed a moose to fill the larder.

"I got Olive and Louis and Vala ready, loaded them into the big clumsy canoe, and poked four shells into my old .30-30 Winchester Model 94," she said. "I jacked one into the chamber, put the hammer on half cock, and started upstream against the quiet current of the Stuart River."

After her husband's death, Olive decided to "become a hunter and trapper on my own." She raked hay, raised potatoes, planted a garden, hunted grouse and rabbits, but now she needed a real meat supply for winter, canned to the last scrap.

She came upon a cow with a calf, but did not want either. Then she left the canoe to stalk the woods, smallest child on her back, but found no moose. The children were hungry. So was she, so Olive caught fish for lunch. Back in the canoe, she paddled on, missing opportunities on two bulls that bolted for timber.

Now she had seen four moose, cow and calf plus two bulls that got away. Still she had no meat to cook and preserve. Then her chance came, a young bull feeding in the water. She told her children to cover their ears and get down in the canoe. Luckily, her first shot did not kill the moose in the water. He made it to the bank, where she dropped the bull with a final bullet.

The job of dressing that moose was all but insurmountable for one little lady only five-feet two-inches tall, weighing 112-pounds. She finally managed it, building a fire afterwards to boil moose meat along with a partridge she got with a .22 rifle. The family camped for the night, trying to catch a little sleep between the onslaught of mosquitoes.

"I'll never forget that early-morning trip back to our place," Olive related. "My hands were black with mosquitoes the whole way, and the torment was almost too much."

But she made it to the trapper's cabin where she cooked a royal feast of moose meat with hot cakes from home ground flour given to her by a neighbor. Then she began the arduous task of canning an entire moose. Olive's .30-30 provided more moose meat in time, and as she put it: "Life was beginning to sort itself out." She "had plenty of ammunition for the .22 and always a few .30-30 shells around." Olive fed her family, in part, with a .30-30 carbine, nothing new for that time and place.





# FIELD REPORT



By Robert W. Shimizu

## GUNSITE OFFERS MORE THAN FIRST-RATE TRAINING.

Shooting is a perishable skill, and skillfully shooting a pistol is the most perishable of all firearms skills. Pistol skills deteriorate from disuse so rapidly that my friend Roscoe Livingston says, “If you don’t shoot, you can’t shoot.” Should you consider a handgun to be an article of your daily wear, not only is constant practice advisable — good training is a must. And for those who seek the best in training, there is Gunsite.

Gunsite offers four levels of continuing education in this most demanding of the firearms disciplines. In addition to its many other offerings, Gunsite offers General Pistol (Course #250), Intermediate Tactical Pistol (Course #350) Advanced Tactical Pistol (Course #499) and Advanced Tactical Pistol Problems (AT). Each course is a pre-req-

uisite for the next, and Gunsite does a steady business with returning students interested in maintaining and extending their skills.

### Opportunity Knocks

When my friend Dan “Bearman” Bekins received a two-for-one certificate to train at Gunsite, he invited me to join him. Together we signed up for the 499, Gunsite’s advanced tactical pistol course. As did my friend Jane Anne Hulen, a Gunsite regular. Other friends heard of the course and soon the 499 class scheduled for October had grown so large it was split into two sections. Around Gunsite, the class came to be known as “Jane’s 499,” because of all her pals in attendance.

The credentials of our teachers are impressive. Steve Slawson is a former Marine firearms and hand-to-hand combat instructor,



# — GUNSITE'S 499



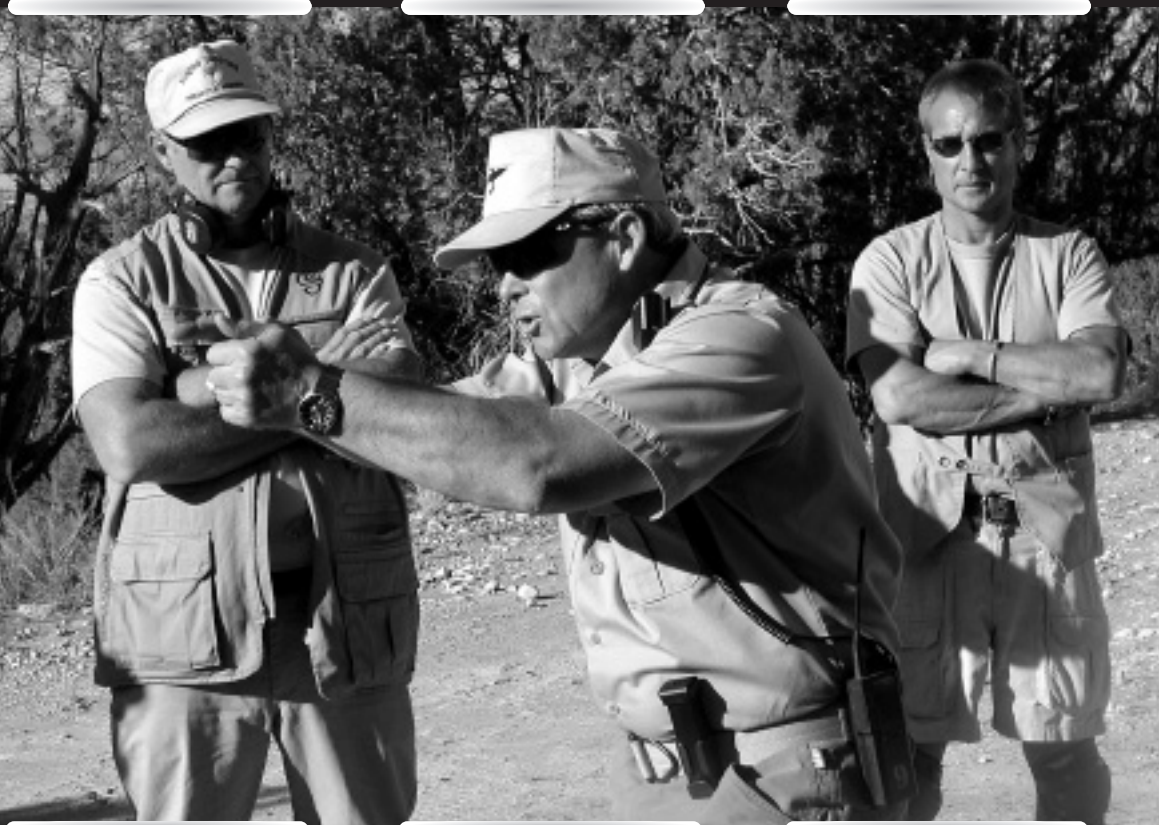
and a retired homicide detective. He exhibited enthusiasm, long experience, and a non-stop sense of humor. Captain Ken Campbell from the Indiana State Police is a senior instructor in both his home state and at Gunsite. Ken's commanding presence on the range belies the warm support he offers his students, often served with a surprisingly puckish rascality. Coach Ray Bluff returned to Gunsite after owning a helicopter service. If you have ever seen commercials depicting new automobiles on the tops of mountains, you have probably seen Ray's work. Each man helped us to grow.

## Setting The Tone

Slawson began his lecture by saying that of all Gunsite courses, the 499 is the least rigid. He would improvise within the syllabus' confines and present skills that might not be offered during a regular 499 — if we could keep up. That we were all experienced







shooters was a given; we would not be in this class if we were not. That we were already friends was a plus. At this point Bearman raised his hand. Having slipped on a pair of Groucho glasses and sporting buck-teeth inserts, Bearman asked with a lisp:

“Can you teach people with special needs?”

That brought the house down. And within the first 15 minutes of Day One, our instructors had totally lost control of the class, a Gunsite first.

When the laughter subsided, Slawson discussed the week’s framework. Drawing two triangles on the whiteboard, Steve wrote the Latin words *Diligentia* (accuracy), *Vis* (power), *Celeritas* (speed) on one; and Marksmanship, Gun-handling and Mindset on the other. These six principles formed the basis of everything we’d do at Gunsite. If anything we did during the week violated these precepts, we’d be corrected.

Slawson set the tone for the week before we left the classroom.

“When you make ready, present the handgun as if you mean it,” Slawson said. “Don’t just flop it out there because you’re on the training range.

“Don’t cheat yourself out of a training opportunity. Draw and point in on the target as if your life depended on it!”

Pointing meaningfully at the assembled





class, Slawson said: "You are advanced students and I expect you to look and act like it."

## On To The Range

We left the classroom and assembled at the all-new Hanneken Range (named for Congressional Medal of Honor winner Herman Hanneken), where we would be based for the week. The Hanneken range, constructed by new owner Buz Mills, features pneumatically-controlled turning targets, an environment-friendly backstop, and a small classroom where we could keep our ammo and refresh our water. We'd need plenty of both over the next five days.

After a short lecture on range safety we began with a basic exercise. We fired our first shots untimed, focusing only on group size. We were told to take plenty of time at 3 yards and to try and place all shots into the same hole.

"No pressure," Slawson said. "Just give me perfection."

This drill enabled the instructors to check our stance, our trigger control, and our concentration. Folks who struggled received kindly suggestions. Already, the instructors were hard at work.

The rest of the morning was spent shooting from various distances the famous "School Drills" that are part of one's grade

at the end of the class. We revisited tactical reloads and speed reloads. We reviewed kneeling and prone positions.

I had privately asked Slawson for anything that could help me improve my shooting, and right away he noticed that my support side thumb had no place to go. I've tried for years to keep it crossed over my strong side thumb in its "battle station" atop the thumb safety, but my hands are just a bit small. Therefore, under recoil that thumb flops around and I wasn't able to get all I could out of my grip.

Slawson noticed this (while simultaneously watching 11 other people), and he asked me to try placing it on the slide stop where the pin goes through the frame on my 1911. *Eureka!* My grip felt more natural, though it would take time for me to make the new grip "mine". Small increments are where the advanced student can gain ground.

## Hardware

Speaking of guns: Our class was found to have equipped themselves with one SIG, one Glock and ten 1911-patterned pistols. Many of these were Gunsite guns — made by the Gunsite Custom Shop. If any of our guns were to go down, we'd have the instant attention of Larry Massey, the senior craftsman. The Custom Shop is like a pit

crew for shooters. They will come to you if your gun breaks and replace it on the spot with a loaner from the shop. Then, they'll work through the night to return your repaired firearm. This is world-class service.

I had come equipped with a brace of Rogers-tuned 1911s. These Colt Series '70 Government Models of mine have been identically built-up by master craftsman Chuck Rogers, who owns Rogers Precision of Prescott Valley, Ariz.

These weapons are intended to be fighting pistols and there is nothing on them that doesn't speak to that purpose. Fit is flawless. Function is superb. The finish is terrible. Why? My guns get shot. They sport holster wear and abrasion from thousands of presentations. The finish is worn off. The metal is scuffed and scratched from desert sand and rock. The Novak low-mount sights are battered, the 20 lpi checkering is scuffed and worn. I purposely malfunction my guns to train on how to clear them. I drop them on the range when I go for a backup. I do not baby these pistols at all. They are beat-up, scratched, ugly and reliable as a hammer. They are the best pistols I own.

For the week, I alternated between my Milt Sparks Executive Companion, and Blade-Tech holsters. These holsters are in my opinion the best in the business. For range work and exercises requiring speed I





chose the Blade-Tech kydex. For tactical exercises and everyday carry, the Executive Companion is the pinnacle of comfort and efficiency. Add a Wilderness "Instructor" belt, Kramer horsehide mag pouches, and a few excellent Wilson Combat magazines, and you have a complete rig, perfect for the rigors of a week-long torture test.

### The Pace Quickens

Back to the shooting. We spent the next day building our skills and learning ground-fighting positions (prone, on our backs, on our sides). We practiced malfunction clearances, ultimately doing them with either hand alone. Have you ever tried to clear a double-feed malfunction with your off-side hand only? You will at Gunsite.

We drew and shot with either hand. We practiced shooting from "Retention Position," and practiced other CQB techniques. We shot on the move. We shot movers. We shot movers while on the move. We shot from moving cars. Pushed to deliver greater accuracy, and under the pressure of time, we covered every skill our instructors thought we might conceivably use in a real encounter. Guided by men who have "seen the elephant," we forged ourselves into stronger people.

Then it was time for the simulators. Simulators are the crucible wherein the skills the student has acquired on the static range are put to the test. In ever more challenging scenarios, the Gunsite student is put into real-world situations and forced to make split-second decisions on whether to shoot or not, and how to protect one's self from attack and injury. Owing to an anomaly in the schedule brought about by two sections of 499 in session on campus at the same time, we were into the Simunitions scenarios on Day Three.

### Simunitions

Simunitions training puts not only your skills but your nerves to the test. In Simunitions scenarios, you meet walking, talking, thinking bad guys who, if given the chance, will shoot you. Simunitions is as close as you can get to a gunfight without dying. I didn't say you wouldn't bleed in a Simunitions encounter. Bleeding is possible. Special handguns that fire only Simunitions ammo are used, propelling a wax bullet at 400 feet-per-second. If a Simunitions round hits you, it leaves a dime-sized welt, and a good lesson.

In the staging area I removed my guns, my knives, my ammo and anything else real that could hurt someone. Another student

carefully frisked me, checking for metal objects. I donned a face shield and throat collar. I timorously walked into the Multi-Quad range as Ray Bluff laid out the scenario for me.

"You are driving along a one-lane road when you pull up behind a vehicle blocking the road way. Here's your Sim-gun. Now, get in the truck," Bluff said.

I scanned the vehicle to my front and Robert Cleveland (one of the range staff) poked his head around the front of his stranded truck.

"My truck is broken. You got any tools?" Robert asked.

"Nope," I said.

"Well, do you have a cell-phone so I can call a tow-truck?"

"Sorry, I haven't got a cell-phone."

"Well, could you come take a look for me?"

"No sir."

Agitated, Cleveland approached my car. Suffice to say the situation evolved into a furball. Despite trying desperately to avoid a confrontation, even at the expense of losing my wallet or vehicle, a fight ensued. Eventually Cleveland fired at shot at me, missing, and I was left with no option but to stop the fight. I did not miss. Cleveland fell at my feet and gasped the code word that



signified the scenario was ended.

Bluff and Cleveland critiqued my actions — a valuable debriefing. Simunitions exercises are among the best training on earth for those lucky enough to have access to them. Facing a moving, thinking adversary is far different from engaging paper or steel targets, and you will find your heart rate elevated during such exercises. Gunsite's Simunitions training does a great job of conveying the realism of an encounter while maximizing safety.

### Final Exam

No matter how we tried to postpone it, the final day of our 499 class arrived. And at the end of each Gunsite course there is a final exam, which is a series of exercises intended to measure the student's progress. The pressure was definitely on.

We separated into two relays and shot the School Drills. A 499 graduate is expected to put a round in the center-of-mass of a target at 3 yards in 1 second. Two body-shots at the same distance in 1.5 seconds. Two rounds on the center-of-mass of a target at 7 yards in 1.5 seconds. The marksmanship challenge is greater, and so is the time pressure.

After five days of shooting, we were all in good shape. We made our times, but we







were not shooting the groups we wanted. Gunsite's Option Target is very challenging. Not just any head-shot will do. It has to be in the middle. This was hard, and it's hard for a reason.

We then moved to another Gunsite classic exercise, the man-on-man shoot-off.

### **It All Comes Down To This**

In a 499 shoot-off, two students sit in chairs facing away from each other. Upon the start signal, each moves to the shooting position, knocking down a piece of wood with the shooting hand. Presenting the handgun, each knocks down five steel targets of various shapes and sizes, performs a speed reload, and hits their side of a split popper. The shooter who finishes first wins the bout.

Near-ties are determined by which half of the split popper comes to rest on the bottom. If your side is on the bottom, you win. The exercise rewards coolness under stress, for if you worry about the other person's progress you will lose. You must keep your head, and concentrate on the basics — front sight... press.

For a more vigorous challenge, one steel target was a pentagon that measured 5 inches by 3 inches. At 4 yards, it was an intimidating target to hit under pressure.

Each of us were assigned a number and paired off for a series of bouts. Whoever wins the most of these bouts wins the shoot-off.

Throughout the hour, we met each other



in battle. There were surprises. People of lesser ability caught on fire to win upset victories. Buddies challenged each other. Wives beat husbands. There was spectacular victory, comedy and defeat. We cheered each other on. And the match came down to the last few people.

I had taken eight bouts without a loss when I was matched against Bruce Langdon and John Mattera, two of the best shooters in the class. My composure cracked and I lost to each. In subsequent bouts I defeated both gentlemen, watching the front sight grimly.

Pat Rogers, a coach from the other section of our 499 class, challenged us on the radio by saying, "The *real* 499 class is secured for the day. South Range is cold." Slawson immediately responded, and soon both sections gathered at our range.

I met John Butterfield, the other 499 section's champion, in a best of three-out-of-five match.


Butterfield is indeed a fine shot, but I prevailed.

### Receiving our Certificates

We received our certificates along with congratulations and a bit of teasing from our classmates and instructors. We savored this moment, because we'd soon miss our time together. During the class, our little group of friends attracted other people. Gunsite students tend to be self-reliant, friendly folks. We come from all walks of life. We joke

about the terrible image given us by a liberal media, and do not forget that much of our country hates and fears people like us. We are men and women who cling to traditional values and who stand willing to protect themselves and those in their care. But here, during these dark fading days of the Republic, we are among friends, and far away from the turmoil surrounding our embattled Bill of Rights.

You may find competent instruction in firearms elsewhere, but you can't duplicate the sheer friendliness unique to Gunsite. Here you will find the legacy of Colonel Jeff Cooper, restored to its former glory, watched with interest by the Colonel himself from his hearth at the Sconce.

And it's refreshing to be at Gunsite for one more important reason — folks look at you funny if you don't carry a gun. 

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# GUNS

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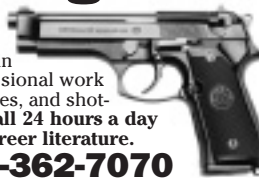
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# COMBAT

## ***BUYERS GUIDE***

### **CATALOG OF CURRENTLY MANUFACTURED •HANDGUNS •RIFLES •SHOTGUNS**

Prices shown are for comparison purposes only. Actual retail prices may vary.



## ***HANDGUNS***

Regardless of the type of handgun you are seeking, you'll find the latest specs here. Everything from the most modern defensive autopistols to single actions straight out of the 1870s. From big bore hunting revolvers to the tiniest pocket guns and derringers.



## ***RIFLES***

Rifles of all types await your inspection. Fine traditional single shots, the best of powerful bolt actions, and the fast firing semiautos. Need a small frame .22 rifle for teaching your youngsters? You'll find those as well. Let us be your guide!

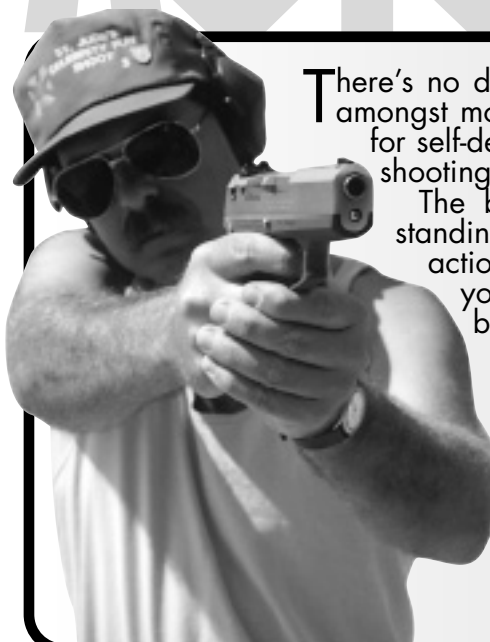


## ***SHOTGUNS***

Scatter guns, alley cleaners, trench brooms — whatever you call them, you'll find the best of the modern defensive shotguns right here. Let's not neglect trim and beautiful doubleguns for wing shooting. We have you covered there too. Turn to these pages and see what is available to you.

CATALOG INDEX





There's no denying that the semiautomatic pistol has become most popular amongst modern-day shooters. While usually thought of as a good design for self-defense, many autopistols are extremely well-suited to competitive shooting and hunting, as well as informal recreational use.

The biggest factor in choosing the best semiauto pistol is understanding the three main action types — single-action, traditional double-action, and double-action only. Your local firearms pro shop will help you answer any questions you have regarding the differences between these options.

Bear in mind that semiauto pistols require a slightly greater investment of effort on your part to learn their correct safe operation and necessary maintenance.

The *Guns Combat* selection guide will show you the most common uses for each type of firearm. Self defense (SD), recreation (R), competitive shooting (C), or hunting (H). While most firearms can be used for all of these purposes with greater or lesser success, the selection guide will show you the most common uses for each model.

**TYPE SD R C H**

## E.A.A. IZH35

**Caliber:** 22 LR  
**Capacity:** 5 rounds  
**Barrel Length:** 6"  
**Weight:** 2.3 pounds  
**Grips:** Walnut target style  
**Sights:** Fully adjustable target sights  
**Misc:** Integral grip safety; manual trigger bar disconnect safety; detachable scope mount; made in Russia  
**Price:** \$539



**TYPE C**

## ED BROWN CLASSIC CUSTOM

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Finish:** Low gloss, glass bead frame; polished slide  
**Grips:** Hogue exotic checkered wood  
**Sights:** Bo-Mar adjustable rear, fixed front  
**Misc:** Ambidextrous safety, commander style slotted hammer  
**Price:** \$2,895



**TYPE SD R C**

## ED BROWN KOBRA

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Finish:** Non-glare matte finish  
**Grips:** Hogue exotic checkered wood  
**Sights:** Novak night sights, LMC low mount rear, dovetail front  
**Misc:** Grip safety, extra dehorning, commander style slotted hammer  
**Price:** \$1,795



**TYPE SD R C**

---

## ED BROWN KOBRA CARRY

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 4.25"  
**Finish:** Non-glare matte finish  
**Grips:** Hogue exotic checkered wood  
**Sights:** Novak night sights, LMC low mount rear, dovetail front  
**Misc:** Grip safety, extra dehorning, round-butt modification  
**Price:** \$1,995



**TYPE SD R C**

---

## ACCU-TEK MODEL AT-32 & AT-380

**Caliber:** 32 or 380  
**Capacity:** 5 rounds  
**Barrel Length:** 3"  
**Weight:** 20 to 26 ounces  
**Grips:** Black combat  
**Sights:** Windage adjustable  
**Misc:** External hammer; manual thumb safety; firing pin and trigger disconnect  
**Price:** \$221



**TYPE SD R**

---

## ACCU-TEK MODEL HC-380

**Caliber:** 380  
**Capacity:** 10 rounds  
**Barrel Length:** 2.75"  
**Weight:** 26 ounces  
**Grips:** Black checkered  
**Sights:** Windage adjustable, blade front  
**Misc:** External hammer; manual thumb safety; firing pin and trigger disconnect; satin stainless  
**Price:** \$231



**TYPE SD R**

---

## ACCU-TEK MODEL BL-9 & XL-9

**Caliber:** 9mm Parabellum  
**Capacity:** 5 rounds  
**Barrel Length:** 3"  
**Weight:** 22 ounces (Model BL-9) to 24 ounces (Model XL-9)  
**Grips:** Black pebble  
**Sights:** Fixed (Model BL-9) or 3-dot windage adjustable (Model XL-9)  
**Misc:** Double Action Only (BL-9 and XL-9)  
**Price:** \$232 to \$248



**TYPE SD R**

---

## AUTO-ORDNANCE 1911A1

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Weight:** 39 ounces  
**Grips:** Checkered plastic with medallion  
**Sights:** Adjustable rear, blade front  
**Misc:** Available in blue or Parkerized finish. Deluxe model has 3-dot sights and textured rubber wraparound grips  
**Price:** \$447 to \$462



**TYPE SD R C**



---

## BAER 1911 CUSTOM CARRY AUTO PISTOL

**Caliber:** 45 ACP  
**Capacity:** 7 or 10 rounds  
**Barrel Length:** 5"  
**Weight:** 37 ounces  
**Grips:** Checkered Cocobolo  
**Sights:** Baer improved ramp-style dovetailed front; Novak low-mount rear  
**Misc:** Available in Standard or Comanche length, in blued or stainless; double serrated slide (full size only)  
**Price:** \$1,640 to \$1,995 (Comanche, stainless, aluminum frame)



**TYPE SD R C**

---

## BAER 1911 CONCEPT I, II, III, IV AUTO PISTOL

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Weight:** 37 ounces  
**Grips:** Checkered rosewood  
**Sights:** Dovetail front; Bo-Mar deluxe low-mount rear  
**Misc:** Baer beavertail grip safety; checkered slide stop; tuned extractor; extended ejector; deluxe hammer and sear; Concept III has forged stainless steel frame with blued steel slide  
**Price:** \$1,390 (Concept I);  
\$1,390 (Concept II with Baer adjustable sight);  
\$1,520 (Concept III);  
\$1,499 (Concept IV with Baer adjustable rear sight)



**TYPE SD R C**

---

## BAER 1911 CONCEPT S.R.P. PISTOL

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 5"  
**Weight:** 37 ounces  
**Grips:** Checkered Cocobolo  
**Sights:** Tritium night sights, front and rear  
**Misc:** Similar to FBI contract gun but uses Baer-forged steel frame; all parts Mag-na-fluxed  
**Price:** \$2,240 (Government or Comanche length)



**TYPE SD R C**

---

## BAER 1911 NATIONAL MATCH HARDBALL PISTOL

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Weight:** 37 ounces  
**Grips:** Checkered Cocobolo  
**Sights:** Baer dovetail front with undercut post; low-mount Bo-Mar rear with hidden leaf  
**Misc:** Forged steel frame, double serrated slide and barrel with stainless brushing; lowered, flared ejection port; polished feed ramp, throated barrel  
**Price:** \$1,335



**TYPE SD R C**

---

## BAER 1911 PREMIER II AUTO PISTOL

**Caliber:** 9x23, 38 Super, 400 Cor-Bon, 45 ACP  
**Capacity:** 7 or 10 rounds  
**Barrel Length:** 5"  
**Weight:** 37 ounces  
**Grips:** Checkered rosewood, double diamond pattern  
**Sights:** Baer dovetailed front; low-mount Bo-Mar rear  
**Misc:** Deluxe Commander hammer and sear; aluminum speed trigger with 4 pound pull; extended ambidextrous safety  
**Price:** \$1,428 (blued) to \$1,558 (stainless); \$1,595 (6" model, blued)



**TYPE SD R C**

---

## BAER ULTIMATE MASTER COMBAT PISTOL

**Caliber:** 9x23, 38 Super, 400 Cor-Bon, 45 ACP (others available)  
**Capacity:** 10 rounds  
**Barrel Length:** 5", 6"  
**Weight:** 37 ounces  
**Grips:** Checkered rosewood  
**Sights:** Baer dovetail front; low-mount Bo-Mar rear with hidden leaf  
**Misc:** Full-house competition gun; Baer triple port tapered cone compensator  
**Price:** \$2,440 to \$2,690 (Compensated with Baer optics mount)



**TYPE SD R C**

---

## BERETTA U22 NEOS

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 4.5" and 6"  
**Weight:** 31.7 ounces and 36.2 ounces  
**Grips:** Plastic  
**Sights:** Fully adjustable target rear sight  
**Misc:** Integral accessory rail; vertical grip configuration  
**Price:** \$256 to \$299



**TYPE R**

---

## BERETTA 92/96 VERTEC

**Caliber:** 9mm, 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4.7"  
**Weight:** 32.2 ounces  
**Grips:** Plastic  
**Sights:** Adjustable rear, removable front sight  
**Misc:** Integral accessory rail; vertical grip configuration  
**Price:** \$712 to \$762



**TYPE SD R C**

---

## BERETTA 9000 SERIES

**Caliber:** 40 S&W, 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 3.5"  
**Weight:** 25.7, 26.8 or 27.5 ounces  
**Grips:** Plastic  
**Sights:** 3-dot  
**Misc:** Type F models are available in double and single action and have a hammer decocking feature. Type D models are DAO  
**Price:** \$551



**TYPE SD R**



---

## BERETTA BRIGADIER 92FS, 96

**Caliber:** 9mm (92FS) or 40 S&W (96)  
**Capacity:** 10 rounds  
**Barrel Length:** 4.9"  
**Weight:** 34 ounces (92FS) to 36 ounces (96)  
**Grips:** Rubber, checkered  
**Sights:** 3-dot dovetailed to slide, adjustable for windage  
**Price:** \$731 to \$771



**TYPE SD R C**

---

## BERETTA COUGAR MODEL 8000/8040/8045/8357

**Caliber:** 9mm (8000), 40 S&W (8040), 45 ACP (8045), 357 SIG (8357)  
**Capacity:** 8 rounds (8045) or 10 rounds (8000/8040/8357)  
**Barrel Length:** 3.5"  
**Weight:** 27.6 ounces (Mini Cougar 8000/8040) to 33.5 ounces  
**Grips:** Checkered plastic, walnut optional  
**Sights:** Blade front, rear adjustable for windage (3-dot system)  
**Misc:** Slide-mounted safety; exposed hammer; matte black finish  
**Price:** \$709 to \$764



**TYPE SD R C**

---

## BERETTA BOBCAT MODEL 21

**Caliber:** 22 LR or 25 ACP  
**Capacity:** 7 rounds (22 LR) or 8 rounds (25 ACP)  
**Barrel Length:** 2.5"  
**Weight:** 11.8 ounces (22 LR) or 11.5 ounces (25 ACP)  
**Grips:** Plastic or walnut  
**Sights:** Fixed  
**Misc:** Blue, matte, or stainless finish  
**Price:** \$252 to \$307



**TYPE SD R**

---

## BERETTA TOMCAT MODEL 3032

**Caliber:** 32 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 2.4"  
**Weight:** 14.5 ounces to 16.9 ounces (Titanium model)  
**Grips:** Black plastic, checkered  
**Sights:** Fixed blade front, drift adjustable rear  
**Misc:** Tip-up barrel for direct chamber loading/unloading; Polished, matte, blue or Titanium finish  
**Price:** \$340 (matte), \$370 (blue), \$418 (stainless) and \$572 (Titanium)



**TYPE SD R**

---

## BERETTA CHEETAH MODEL 80 SERIES

**Caliber:** 22 LR or 380 ACP  
**Capacity:** 22 LR: 7 rounds; 380 ACP: 8 rounds or 10 rounds  
**Barrel Length:** 3.8" (84 and 87 Cheetah), 4.4" (86 Cheetah), 5.9" (87 Target)  
**Weight:** 20.1 oz. (87), 21.9 oz. (85), 23.3 oz. (84 and 86), 40.9 oz. (87 Target)  
**Grips:** Black plastic or optional wood  
**Sights:** Drift adjustable rear, fixed front  
**Misc:** Various models (84, 85, 87) with slightly varied features available  
**Price:** \$589 to \$669



**TYPE SD R**

---

## BERETTA CHEETAH MODEL 86

**Caliber:** 380 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 4.4"  
**Weight:** 23.3 ounces  
**Grips:** Walnut  
**Sights:** Adjustable rear, fixed front sights  
**Misc:** Features a tip-up barrel for first-round loading, Bruniton finish  
**Price:** \$591



**TYPE SD R**

---

## BERETTA MODEL 92FS

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 4.9"  
**Weight:** 34.4 ounces  
**Grips:** Checkered plastic or rubber (wood optional)  
**Sights:** Adjustable rear, blade front sights  
**Misc:** Squared trigger guard, matte or stainless finish  
**Price:** \$676 to \$2,082 (470th Anniversary Edition)



**TYPE SD R C**

---

## BERETTA MODEL 96

**Caliber:** 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4.9"  
**Weight:** 34 ounces  
**Grips:** Checkered plastic  
**Sights:** Fixed or 3-dot sights  
**Misc:** Similar to Model 92  
**Price:** \$676 to \$734



**TYPE SD R C**

---

## BERETTA MODEL 950 JETFIRE

**Caliber:** 25 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 2.4"  
**Weight:** 9.9 ounces  
**Grips:** Checkered plastic or walnut  
**Sights:** Fixed  
**Misc:** Tip-up barrel (similar to Model 21), matte or stainless finish  
**Price:** \$226 to \$267



**TYPE SD R**

---

## BERSA THUNDER 380, 380 DELUXE

**Caliber:** 380 ACP  
**Capacity:** 7 or 9 rounds (Thunder 380 Deluxe)  
**Barrel Length:** 3.5"  
**Weight:** 22 to 25.75 ounces (Thunderer)  
**Grips:** Black polymer  
**Sights:** Drift adjustable rear, fixed front  
**Misc:** Double action; blue or nickel finish  
**Price:** \$249 to \$292 (Thunder 380 Deluxe blue)



**TYPE SD R**



---

## BROWNING BDA-380 DA

**Caliber:** 380 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 3.2"  
**Weight:** 32 ounces  
**Grips:** Walnut with medallion  
**Sights:** Adjustable rear, blade front sights  
**Price:** \$564 (blue) to \$607 (nickel)



**TYPE S D R**

---

## BROWNING BUCK MARK 22

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5"  
**Weight:** 32 ounces  
**Grips:** Black molded plastic (Plus laminated wood grips)  
**Sights:** Adjustable rear, ramp front  
**Price:** \$265 (blue), \$312 (nickel), \$324 (Buck Mark Plus)



**TYPE R C H**

---

## BROWNING BUCK MARK SILHOUETTE

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 9.875" or 9.9"  
**Weight:** 53 ounces  
**Grips:** Walnut  
**Sights:** Pro Target Cup rear, hooded adjustable blade front  
**Price:** \$448



**TYPE R C H**

---

## BROWNING BUCK MARK TARGET 5.5

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5"  
**Weight:** 35.5 ounces  
**Grips:** Walnut with thumbrest  
**Sights:** Adjustable front and rear  
**Price:** \$425 to \$477 (Gold and Nickel models)



**TYPE R C H**

---

## BROWNING BUCK MARK VARMINT

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 9.875" or 9.9"  
**Weight:** 48 ounces  
**Grips:** Walnut  
**Sights:** No open sights, full-length scope base  
**Price:** \$403



**TYPE R C H**

---

## BROWNING HI-POWER

**Caliber:** 9mm or 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4.75"  
**Weight:** 32 ounces  
**Grips:** Hand checkered walnut or black Polyamide  
**Sights:** Fixed or adjustable rear, fixed front  
**Misc:** Magazine safety, fixed rear sights available  
**Price:** \$579 (Mark III, fixed sights, ambidextrous safety);  
\$615 (Fixed sights, walnut grips);  
\$668 (Adjustable sights, walnut grips);  
\$684 (Silver chrome finish, adj. sights, Pachmayr grips)



**TYPE SD R C**

---

## CALICO M-110

**Caliber:** 22 LR  
**Capacity:** 100 round rotary magazine  
**Barrel Length:** 6"  
**Weight:** 3.7 pounds (loaded)  
**Grips:** Molded plastic  
**Sights:** Fixed rear notch, adjustable post front sight  
**Misc:** Aluminum alloy frame; flash suppressor; ambi safety; helical feed magazine  
**Price:** \$432



**TYPE R**

---

## COLT DEFENDER

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 3"  
**Grips:** Wraparound rubber finger groove grips  
**Sights:** Fixed  
**Finish:** Brushed stainless  
**Misc:** Extended thumb safety and upswept beavertail with palm swell  
**Price:** \$773



**TYPE SD R**

---

## COLT GOLD CUP

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 5"  
**Weight:** 39 ounces  
**Grips:** Black wraparound  
**Sights:** Dovetail front, Bomar-style rear  
**Misc:** Stainless frame and round top slide  
**Price:** \$1,116



**TYPE SD R C**

---

## COLT 1991 SERIES

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 4.25" (Commander) or 5" (Gov't 1991)  
**Grips:** Checkered rubber composite  
**Sights:** Fixed  
**Finish:** Matte black or matte stainless  
**Price:** \$645 (blue), \$800 (stainless)



**TYPE SD R C**



---

## COLT XSE SERIES

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 4.25" (Commander and lightweight Commander) or 5" (Gov't)  
**Grips:** Checkered, double diamond, rosewood  
**Sights:** Fixed  
**Finish:** Stainless brushed  
**Misc:** Adjustable 2-cut aluminum trigger  
**Price:** \$950



**TYPE SD R C**

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## COONAN 357 MAGNUM & 41 MAGNUM PISTOLS

**Caliber:** 357 Mag. or 41 Mag.  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Weight:** 42 ounces  
**Grips:** Smooth walnut  
**Sights:** Interchangeable ramp front, rear adjustable  
**Price:** \$735 to \$1,014 (6" compensated barrel)



**TYPE SD R**

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## CZ 75 B, 75 BD & 85

**Caliber:** 9mm Para., 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 3.9" (75 B Compact), 4.7"  
**Weight:** 32 to 35 ounces  
**Grips:** Checkered plastic  
**Sights:** Square post front, rear adjustable; 3-dot system  
**Price:** \$419 to \$526



**TYPE SD R C**

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## CZ 83 B

**Caliber:** 32 ACP, 380 ACP or 9mm Makarov  
**Capacity:** 10 rounds  
**Barrel Length:** 3.8"  
**Weight:** 26 ounces  
**Grips:** Checkered plastic  
**Sights:** Removable square post front, rear adjustable; 3-dot system  
**Price:** \$378



**TYPE SD R**

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## CZ 100

**Caliber:** 9mm Para. or 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 3.7"  
**Weight:** 24 ounces  
**Grips:** Grooved polymer  
**Sights:** Blade front with dot, white outline rear drift adjustable  
**Price:** \$432



**TYPE SD R C**

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## DAVIS P-32 & P-380

**Caliber:** 32 ACP and 380 ACP  
**Capacity:** 6 rounds (P-32) and 5 rounds (P-380)  
**Barrel Length:** 2.8"  
**Weight:** 22 ounces  
**Grips:** Laminated wood (P-32) or black composition (P-380)  
**Sights:** Fixed  
**Misc:** Black Teflon or chrome finish  
**Price:** \$88 (P-32) and \$98 (P-380)



**TYPE SD R**

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## E.A.A. WITNESS DA

**Caliber:** 38 Super, 9mm, 40 S&W or 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 4.5"  
**Weight:** 35 ounces  
**Grips:** Checkered rubber  
**Sights:** Adjustable rear, undercut blade front  
**Misc:** Compact models available; blue or chrome finishes available  
**Price:** \$449 to \$489



**TYPE SD R C**

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## ENTREPRISE ELITE SERIES

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 3.25", 4.25", 5"  
**Weight:** 36-40 ounces  
**Grips:** Checkered rosewood, double diamond pattern  
**Sights:** Tactical  
**Misc:** Flared ejection port, flat mainspring housing  
**Price:** \$740



**TYPE SD R C**

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## ENTREPRISE TACTICAL SERIES

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 3.25", 4.25", 5"  
**Weight:** 36-40 ounces  
**Grips:** Checkered rosewood, double diamond pattern  
**Sights:** Low profile Novak or ghost ring  
**Misc:** Dehorned slide and frame, matte black oxide finish  
**Price:** \$979-\$1,049



**TYPE SD R C**

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## ENTREPRISE MEDALIST SERIES

**Caliber:** 45 ACP, 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 5"  
**Weight:** 40 ounces  
**Grips:** Checkered rosewood, double diamond pattern  
**Sights:** Bo-Mar low mount rear adjustable  
**Misc:** Tighter tolerances and numerous custom features  
**Price:** \$979 add \$120 for 40 S&W caliber



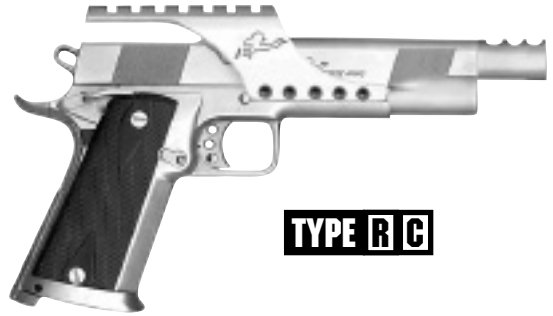
**TYPE SD R C**



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## ENTREPRISE TOURNAMENT SHOOTER MODEL (I,II,III)

**Caliber:** 40 S&W, 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 5", 5.5"(TSM III only), 6" (45 ACP only)  
**Weight:** 40-44 ounces  
**Grips:** Checkered rosewood and rubber  
**Sights:** Bo-Mar low mount rear adjustable  
**Misc:** Designed for ISPC competition  
**Price:** \$2,000, add \$300 for TSM I, add \$700 for TSM III



**TYPE R C**

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## GLOCK 17, 20, 21 & 22

**Caliber:** 9mm (17), 10mm (20), 45 ACP (21) or 40 S&W (22)  
**Capacity:** 10 rounds  
**Barrel Length:** 4.5"  
**Weight:** 22 ounces (17 and 22), 26 ounces (20), 25 ounces (21)  
**Grips:** Black polymer  
**Sights:** Fixed or adjustable rear; fixed front  
**Misc:** Double action trigger; mechanical firing pin safety  
**Price:** \$616 to \$800



**TYPE SD R C**

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## GLOCK 19 & 23

**Caliber:** 9mm (19) or 40 S&W (23)  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 21 ounces  
**Grips:** Synthetic  
**Sights:** Fixed or adjustable rear  
**Misc:** Compact versions of the Glock 17 and 22 also available with ported barrels  
**Price:** \$616 to \$646



**TYPE SD R C**

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## GLOCK 26, 27 & 31

**Caliber:** 9mm, 40 S&W or 357 SIG  
**Capacity:** 9 rounds (40 S&W) or 10 rounds (9mm)  
**Barrel Length:** 3.5"  
**Weight:** 21.8 ounces  
**Grips:** Integral; stippled polymer  
**Sights:** Dot on front blade, fixed or fully adjustable white outline rear  
**Misc:** Mini-Glocks will accept magazines (including high capacity) from the larger, similar-caliber Glock models  
**Price:** \$616 to \$644



**TYPE SD R**

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## GLOCK 29 & 30

**Caliber:** 10mm (29) or 45 ACP (30)  
**Capacity:** 10 rounds  
**Barrel Length:** 3.75"  
**Weight:** 24 ounces  
**Grips:** Integral; stippled polymer  
**Sights:** Dot on front, fixed or fully adjustable white outline rear  
**Misc:** Subcompact Glockes will accept magazines (including high capacity) from the larger, similar-caliber Glock models  
**Price:** \$668 to \$697



**TYPE SD R**

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## HAMMERLI MODEL 208S

**Caliber:** 22 LR  
**Capacity:** 8 rounds  
**Barrel Length:** 5.9"  
**Weight:** 36.7 ounces  
**Grips:** Walnut with adjustable palm rest  
**Sights:** Blade front, open fully adjustable rear  
**Misc:** Adjustable trigger; imported by SIG Arms, Inc.  
**Price:** \$2,201



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## HAMMERLI MODEL 280 TARGET PISTOL

**Caliber:** 22 LR, 32 S&W Long WC  
**Capacity:** 6 rounds (22 LR) or 5 rounds (32 S&W)  
**Barrel Length:** 4.5"  
**Weight:** 34.6 ounces (22 LR) or 41.8 ounces (32 S&W)  
**Grips:** Match style walnut with stippling, adjustable palm shelf  
**Sights:** Interchangeable match, micrometer adjustable  
**Misc:** Interchangeable trigger is adjustable for pull weight, take-up weight, let-off, and length; comes with interchangeable metal or carbon fiber counterweights; imported by SIG Arms, Inc.  
**Price:** \$1,643 (22 LR) to \$1,853 (32 S&W)



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## HECKLER & KOCH MARK 23

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 5.9"  
**Weight:** 42.5 ounces  
**Grips:** Stippled and checkered black polymer  
**Sights:** 3-dot system; optional laser aimer  
**Misc:** Threaded barrel; polygonal bore; single or double action; mechanical recoil reduction system  
**Price:** \$2,444



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## HECKLER & KOCH P7M8

**Caliber:** 9mm  
**Capacity:** 8 rounds  
**Barrel Length:** 4.13"  
**Weight:** 29 ounces  
**Grips:** Stippled black plastic  
**Sights:** Adjustable rear, fixed front; 3-dot system  
**Misc:** Unique squeeze cocking system; gas-retarded action; blue finish  
**Price:** \$1,472



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## HECKLER & KOCH USP COMPACT

**Caliber:** 45 ACP, 357 SIG, 40 S&W or 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 3.5" to 3.8" (45 ACP)  
**Weight:** 27.5 ounces (40 S&W) to 26.5 ounces (9mm)  
**Grips:** Stippled black plastic  
**Sights:** Fixed Patridge style, adjustable for windage and elevation; 3-dot system or optional tritium  
**Misc:** Universal mounting grooves for installing accessories  
**Price:** \$786 to \$909





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## HECKLER & KOCH USP45 & USP45 TACTICAL

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 4.92"  
**Weight:** 2.24 pounds  
**Grips:** Non-slip stippled polymer  
**Sights:** Blade front, rear adjustable  
**Price:** \$1,124



**TYPE SD R C**

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## HECKLER & KOCH USP EXPERT

**Caliber:** 45 ACP or 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 5.20"  
**Weight:** 2.3 pounds  
**Grips:** Synthetic  
**Sights:** Adjustable target  
**Misc:** Has patented recoil reduction system  
**Price:** USP expert \$1,533 USP expert \$1,499



**TYPE SD R C**

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## HIGH STANDARD SUPERMATIC CITATION

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5"  
**Weight:** 44 ounces  
**Grips:** Checkered hardwood with thumbrest  
**Sights:** Undercut ramp front, rear adjustable  
**Misc:** Push-button barrel takedown system, blue or Parkerized finish, 22 Short conversion kit available (for \$309)  
**Price:** \$468



**TYPE R C H**

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## HIGH STANDARD SUPERMATIC CITATION MS

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 10"  
**Weight:** 54 ounces  
**Grips:** Checkered walnut with right-hand thumbrest  
**Sights:** RPM sights, fully click-adjustable for windage and elevation  
**Misc:** Comes in a matte blue finish with nickel accents; features push-button barrel takedown system; barrel is drilled and tapped for mounting scopes or optics  
**Price:** \$632



**TYPE R C H**

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## HIGH STANDARD SUPERMATIC TROPHY

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5" to 7.25"  
**Weight:** 44 ounces  
**Grips:** Checkered hardwood with thumbrest  
**Sights:** Undercut ramp front, rear adjustable  
**Misc:** Push-button barrel takedown system, adjustable trigger pull, blue finish and gold-plated accents; a 22 Short conversion kit is available  
**Price:** \$510 (5.5") to \$650 (7.25")



**TYPE R C H**

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## HIGH STANDARD VICTOR

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 4.5" to 5.5"  
**Weight:** 46 ounces  
**Grips:** Checkered hardwood with thumbrest  
**Sights:** Undercut ramp front, rear adjustable  
**Misc:** Comes in either a blue or Parkerized finish with gold accents; features a push-button barrel takedown system, adjustable trigger, and drilled and tapped receiver; 22 Short conversion kit available; 4.5" is scope base model only  
**Price:** \$532 to \$591



**TYPE R C H**

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## KAHR ARMS K9/40

**Caliber:** 9mm Para or 40 S&W  
**Capacity:** 7 rounds (9mm) or 6 rounds (40 S&W)  
**Barrel Length:** 3.5"  
**Weight:** 25 ounces  
**Grips:** Wraparound, textured soft polymer  
**Sights:** Blade front, rear drift adjustable; bar-dot combat style  
**Misc:** Double action only; matte black finish; all steel; also available in nickel with wood grips  
**Price:** \$538 to \$836 (Duo-Tone with tritium night sights)



**TYPE SD R**

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## KIMBER PRO CARRY

**Caliber:** 45 ACP or 40 S&W  
**Capacity:** 7 (45 ACP) or 8 rounds (S&W)  
**Barrel Length:** 4"  
**Weight:** 28.3 ounces  
**Grips:** Black synthetic, high beavertail grip safety  
**Sights:** Low profile blended combat sights; dovetail mounted  
**Misc:** Match grade trigger group; beveled magazine well and slide serrations; lowered and flared ejection port; tactical ejector; bushingless bull barrel, aluminum frame  
**Price:** \$773 to \$808 (matte blue); \$845 to \$881 (stainless steel slide); \$1,142 (CDP Series)



**TYPE SD R C**

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## KIMBER CUSTOM 1911 PISTOLS

**Caliber:** 45 ACP or 40 S&W  
**Capacity:** 7 to 10 rounds (depending on caliber and frame)  
**Barrel Length:** 3", 4" and 5"  
**Weight:** 24 to 38 ounces  
**Grips:** Black synthetic; hand-checked rosewood; hand-checked walnut  
**Sights:** Dovetail mounted fixed; adjustable or tritium 3-dot night sights  
**Misc:** 40 different models available; standard features include match grade barrels and chambers and match grade trigger groups; high beavertail grip safety; Commander-style hammer  
**Price:** \$730 and up; many custom options available



**TYPE SD R C**



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## KIMBER POLYMER MODELS

**Caliber:** 45 ACP  
**Capacity:** 10 round magazine; (14 round available where legal)  
**Barrel Length:** 3", 4" and 5"  
**Weight:** 24 to 34 ounces  
**Grips:** Polymer frame with stainless steel or 7075-T7 aluminum frame insert; impressed positive checkering  
**Sights:** Dovetail mounted, fixed or adjustable  
**Misc:** Stainless steel beavertail grip safety  
**Price:** \$745 to \$1,177



**TYPE SD R C**

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## KIMBER ULTRA CARRY

**Caliber:** 45 ACP or 40 S&W  
**Capacity:** 7 round magazine  
**Barrel Length:** 3"  
**Weight:** 24 ounces (Ultra Ten II) to 25 ounces (single stack)  
**Grips:** Black synthetic  
**Sights:** Dovetail mounted fixed with low profile combat  
**Misc:** Dual captured low-effort spring design for easy operation; accepts all quality Officer's-type magazines  
**Price:** \$808 to \$847 (matte blue); \$886 to \$931 (stainless); \$1,142 (CDP series); \$896 (Ultra Ten II)



**TYPE SD R**

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## LLAMA MAX SERIES, MICROMAX, MINIMAX, MINIMAX SUBCOMPACT

**Caliber:** 9mm, 45, 40 S&W, 32 or 380, Micromax in 380  
**Capacity:** 6, 7 or 8 rounds  
**Barrel Length:** 3.5"  
**Weight:** 23 to 36 ounces  
**Grips:** Checkered rubber or high impact polymer  
**Sights:** 3-dot combat  
**Misc:** Minimax, Micromax, Max models available in matte, chrome or duo-tone finish; extended slide release; distributed by Import Sports Inc.  
**Price:** \$282 to \$350



**TYPE SD R**

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## MAGNUM RESEARCH DESERT EAGLE

**Caliber:** 357 Mag., 44 Mag. or 50 AE  
**Capacity:** 9 rounds (357), 8 rounds (41 and 44) or 7 rounds (50)  
**Barrel Length:** 6" or 10"  
**Weight:** 4 pounds, 6.5 ounces (6"), 4 pounds, 15 ounces (10")  
**Grips:** Plastic, Hogue rubber/wood (optional)  
**Sights:** Fixed combat, Millett adjustable (optional)  
**Misc:** Also available: Custom finishes, chrome, nickel, gold and titanium gold  
**Price:** \$1,199 (6"), \$1,699 (10")



**TYPE R C H**

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## MAGNUM RESEARCH BABY EAGLE

**Caliber:** 9mm, 40 S&W or 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 4.72", 3.7", 3.5"  
**Weight:** Steel- 2 pounds, 6.5 ounces (4.72"), 2 pounds, 4.4 ounces (3.7"), 2 pounds, 1.9 ounces (3.5") Polymer 1 pound, 13.1 ounces (3.7"), 1 pound, 11 ounces (3.5")  
**Grips:** Plastic  
**Sights:** Fixed compact  
**Misc:** Steel frame also available in chrome or titanium gold finishes  
**Price:** \$499 (standard), \$724 (chrome), \$999 (gold)



**TYPE SD R C**

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## PARA-ORDNANCE P10

**Caliber:** 9mm, 40 S&W or 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 3"  
**Weight:** 24 ounces (alloy) or 31 ounces (stainless steel)  
**Grips:** Textured composition  
**Sights:** 3-dot system  
**Misc:** Black or stainless finish available  
**Price:** \$740 to \$799



**TYPE SD R**

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## PARA-ORDNANCE P12

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 3.5"  
**Weight:** 26 ounces (alloy) or 34 ounces (stainless steel)  
**Grips:** Black plastic  
**Sights:** Low mount rear, dovetailed front  
**Misc:** Stainless or black finishes available; steel or alloy frames; high capacity magazines available  
**Price:** \$740 to \$799



**TYPE SD R C**

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## PARA-ORDNANCE P13

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 4.25"  
**Weight:** 28 ounces (alloy) or 36 ounces (stainless steel)  
**Grips:** Black plastic  
**Sights:** Fixed rear, blade front (3-dot system)  
**Misc:** Alloy, steel or stainless frame; black or stainless finish; high capacity magazines available  
**Price:** \$740 to \$799



**TYPE SD R C**

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## PARA-ORDNANCE P14

**Caliber:** 45 ACP  
**Capacity:** 10 rounds  
**Barrel Length:** 5"  
**Weight:** 31 ounces (alloy) or 40 ounces (stainless steel)  
**Grips:** Black plastic  
**Sights:** Adjustable rear, dovetailed front  
**Misc:** Alloy, stainless or steel frame; black, duotone or stainless finish; high capacity magazines available  
**Price:** \$740 to \$799



**TYPE SD R C**

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## PARA-ORDNANCE P16

**Caliber:** 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 5"  
**Weight:** 40 ounces  
**Grips:** Black plastic  
**Sights:** Adjustable rear, dovetailed front  
**Misc:** Steel or stainless frame; high capacity magazines available; black or stainless finish  
**Price:** \$750 (black) to \$799 (stainless)



**TYPE SD R C**



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## PARA-ORDNANCE 7.45 LDA

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Weight:** 39 ounces  
**Grips:** Checkered rosewood standard, black optional  
**Sights:** Adjustable rear  
**Misc:** Available with black carbon steel or stainless frame  
**Price:** \$775



**TYPE SD R C**

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## PARA-ORDNANCE 14 LDA, 16 LDA & 18 LDA

**Caliber:** 45 ACP (14 LDA), 40 S&W (16 LDA) or 9mm (18 LDA)  
**Capacity:** 10 rounds (18 rounds in 18 LDA)  
**Barrel Length:** 5"  
**Weight:** 40 ounces  
**Grips:** Black plastic  
**Sights:** Fixed  
**Misc:** Double action, steel frame and stainless or black finish; Model 18 LDA for law enforcement or military only; high capacity magazines available  
**Price:** \$775 to \$824



**TYPE SD R C**

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## PARDINI ARMS MOD SP STANDARD PISTOL & MOD HP CENTERFIRE PISTOL

**Caliber:** 22 LR (SP) or 32 WC (HP)  
**Capacity:** 5 rounds  
**Barrel Length:** 4.75"  
**Weight:** 38.9 ounces  
**Grips:** Adjustable; stippled walnut match type  
**Sights:** Fully adjustable rear, interchangeable blade front  
**Misc:** Adjustable match trigger; imported by Nygord Precision Products  
**Price:** \$950 (SP) to \$1,050 (FHP)



**TYPE R C**

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## PHOENIX ARMS HP 22/25

**Caliber:** 22 LR (HP 22) or 25 ACP (HP 25)  
**Capacity:** 10 rounds  
**Barrel Length:** 3"  
**Weight:** 20 ounces  
**Grips:** Checkered composition  
**Sights:** Adjustable rear, blade front  
**Misc:** Available in satin nickel or polished blue finish  
**Price:** \$116



**TYPE SD R**

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## RUGER 22/45

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 4", 4.75" or 5.5" (bull bbl.)  
**Weight:** 28 to 35 ounces  
**Grips:** Synthetic  
**Sights:** Adjustable or fixed rear, blade front  
**Misc:** All blue or stainless steel with fixed or adjustable sights  
**Price:** \$275 to \$359



**TYPE R C H**

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## RUGER MARK II STANDARD

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 4.75" or 6"  
**Weight:** 35 to 37 ounces  
**Grips:** Checkered composition grip panels  
**Sights:** Fixed, wide blade front, fixed rear  
**Price:** \$289 (blue) to \$379 (stainless)



**TYPE RCH**

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## RUGER MARK II TARGET

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5", 6.9", 10"  
**Weight:** 42 ounces  
**Grips:** Checkered composition grip panels  
**Sights:** Blade front, micro-click rear  
**Price:** \$349 (blue) to \$445 (stainless)



**TYPE RCH**

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## RUGER MARK II GOVERNMENT TARGET

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 6.9"  
**Weight:** 46 ounces  
**Grips:** Checkered composition grip panels  
**Sights:** High profile adjustable rear, fixed front sights  
**Price:** \$405 (blue) to \$485 (stainless)

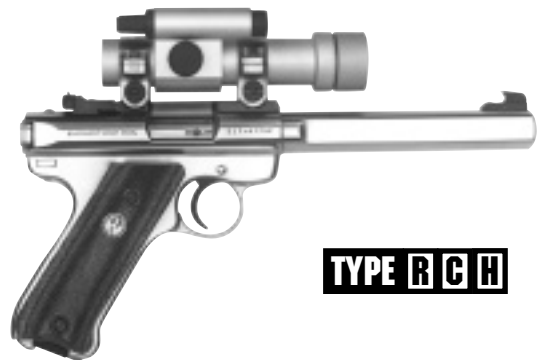


**TYPE RCH**

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## RUGER STAINLESS GOVERNMENT TARGET SLAB SIDE

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 6.9"  
**Weight:** 45 ounces  
**Grips:** Checkered laminated thumbrest grip panels  
**Sights:** Open sight; drilled and tapped for scope mounts  
**Price:** \$529



**TYPE RCH**

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## RUGER P-89

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 4.5"  
**Weight:** 32 ounces  
**Grips:** Grooved black resin grip panels  
**Sights:** Square post front, square notch rear adjustable  
**Misc:** Alloy frame, black matte finish; DAO, decocker and safety models available in blued or stainless steel  
**Price:** \$475 (blue) to \$525 (stainless)



**TYPE SD RCH**



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## RUGER P-90

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 4.5"  
**Weight:** 33.5 ounces  
**Grips:** Grooved black resin grip panels  
**Sights:** Square post front, square notch rear adjustable  
**Misc:** Stainless steel, decocking or manual safety, Blued model available in manual safety only  
**Price:** \$425 (blue) to \$565 (stainless)



**TYPE SD R C**

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## RUGER P-93

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 3.9"  
**Weight:** 31 ounces  
**Grips:** Synthetic, grooved  
**Sights:** Post front, adjustable rear  
**Misc:** Available in decock-only or DAO models  
**Price:** \$495 (blue) to \$565 (stainless)



**TYPE SD R C**

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## RUGER P-94/P-944

**Caliber:** 9mm or 40 auto  
**Capacity:** 10 rounds  
**Barrel Length:** 4.25"  
**Weight:** 33 to 34 ounces  
**Grips:** Synthetic, grooved  
**Sights:** Post front, adjustable rear  
**Misc:** Available in decock-only, DAO or manual safety models  
Blued model available in manual safety only  
**Price:** \$495 (blue) to \$ 575 (stainless)



**TYPE SD R C**

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## RUGER P-95

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 3.9"  
**Weight:** 27 ounces  
**Grips:** Synthetic, grooved  
**Sights:** Post front, adjustable rear  
**Misc:** Available in decock, DAO models and safety models  
**Price:** \$425 (blue) to \$475 (stainless)



**TYPE SD R C**

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## RUGER P-97

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 3.9"  
**Weight:** 30.5 ounces  
**Grips:** Synthetic grooved  
**Sights:** Post front adjustable rear  
**Misc:** Available in decock-only and DAO models  
**Price:** \$495 (stainless)



**TYPE SD R C**

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## SEECAMP LWS 32

**Caliber:** 32 ACP  
**Capacity:** 6 round magazine  
**Barrel Length:** 2"  
**Weight:** 11.5 ounces  
**Grips:** Glass-filled nylon  
**Sights:** Smooth, no-snag, contoured slide and barrel  
**Price:** \$425



**TYPE SD R**

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## SEECAMP LWS 32 "CALIFORNIA EDITION"

**Caliber:** 32 ACP  
**Capacity:** 6 round magazine  
**Barrel Length:** 2"  
**Weight:** 11.5 ounces  
**Grips:** Glass-filled nylon  
**Sights:** Smooth, no-snag, contoured slide and barrel  
**Misc:** Has manual trigger mounted safety  
**Price:** \$525



**TYPE SD R**

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## SEECAMP LWS 380

**Caliber:** 380 ACP  
**Capacity:** 6 round magazine  
**Barrel Length:** 2"  
**Weight:** 11.5 ounces  
**Grips:** Glass-filled nylon  
**Sights:** Smooth, no-snag, contoured slide and barrel  
**Price:** \$850



**TYPE SD R**

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## SIG SAUER P-210

**Caliber:** 9mm  
**Capacity:** 8 rounds  
**Barrel Length:** 4.8", 5.9"  
**Weight:** 32, 33.9 and 37 ounces  
**Grips:** Wood  
**Sights:** Target  
**Misc:** Blued finish  
**Price:** N/A



**TYPE SD R C**

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## SIG SAUER P-220, P-220ST

**Caliber:** 45 ACP  
**Capacity:** 7 rounds or 8 rounds  
**Barrel Length:** 4.4"  
**Weight:** 27.8 ounces  
**Grips:** Checkered black plastic  
**Sights:** Drift adjustable rear, blade front  
**Misc:** Blue finish or ILAFLON finish and night sights available; imported by SIG Arms Inc.  
**Price:** \$810 (blue) to \$969 (stainless and night sights)



**TYPE SD R C**



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## SIG SAUER P-226 & P-229

**Caliber:** 9mm, 40 S&W or 357 SIG  
**Capacity:** 10 rounds  
**Barrel Length:** 4.4" (226); 3.9" (229)  
**Weight:** 28.3 or 30.6 ounces (226); 28.1 or 29.5 ounces (229)  
**Grips:** Plastic  
**Sights:** Adjustable rear, blade front  
**Misc:** Double action only model available; blue, two-tone or Nitron finish available; imported by SIG Arms Inc.  
**Price:** \$851 to \$994 (Nickel/Nitron, DAO and night sights)



**TYPE SD R C**

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## SIG SAUER P-232

**Caliber:** 380 ACP  
**Capacity:** 7 rounds (380)  
**Barrel Length:** 3.6"  
**Weight:** 16.2 ounces (20.8 ounces in stainless steel)  
**Grips:** Plastic (Hogue on selected models)  
**Sights:** Adjustable rear, blade front  
**Misc:** Blue, stainless, two-tone finish available; imported by SIG Arms Inc.  
**Price:** \$518 (blue) to \$579 (two-tone, night sights)



**TYPE SD R**

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## SMITH & WESSON MODEL 22A/22S

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5" Bull  
**Weight:** 38.5 ounces  
**Grips:** Dymondwood or rubber  
**Sights:** Patridge front, adjustable rear  
**Misc:** Matte black finish, 22S has aluminum frame  
**Price:** \$320 (22A) to \$379 (22S)



**TYPE R C H**

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## SMITH & WESSON CS9, CS40 & CS45

**Caliber:** 9mm (CS9), 40 S&W (CS40) or 45 ACP (CS45)  
**Capacity:** 6 rounds (CS45) or 7 rounds (CS9 & CS40)  
**Barrel Length:** 3" or 3.25"  
**Weight:** 20.75 to 24 ounces  
**Grips:** Hogue wraparound rubber  
**Sights:** 2-dot white rear, post with white dot front  
**Price:** \$648 (CS9) to \$683 (CS40 & CS45)



**TYPE SD R C**

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## SMITH & WESSON MODEL 41

**Caliber:** 22 LR  
**Capacity:** 10 rounds  
**Barrel Length:** 5.5" or 7"  
**Weight:** 44 ounces  
**Grips:** Checkered walnut with modified thumbrest  
**Sights:** Adjustable rear, Patridge front  
**Price:** \$801



**TYPE R C H**

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## SMITH & WESSON MODEL 410

**Caliber:** 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 28.5 ounces  
**Grips:** One-piece Xenoy wraparound with straight backstrap  
**Sights:** Post front, fixed 2-dot rear  
**Misc:** Blue carbon steel slide and alloy frame  
**Price:** \$563



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## SMITH & WESSON MODEL 457

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 3.75"  
**Weight:** 29 ounces  
**Grips:** One-piece Xenoy wraparound with straight backstrap  
**Sights:** Post front, fixed 3-dot rear  
**Misc:** Matte blue carbon steel slide and alloy frame in blue finish  
**Price:** \$563



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## SMITH & WESSON MODEL 908

**Caliber:** 9mm  
**Capacity:** 8 rounds  
**Barrel Length:** 3.5"  
**Weight:** 26 ounces  
**Grips:** One-piece Xenoy wraparound with straight backstrap  
**Sights:** Post front, fixed 3-dot rear  
**Price:** \$509



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## SMITH & WESSON MODEL 910

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 28 ounces  
**Grips:** One-piece Xenoy wraparound with straight backstrap  
**Sights:** Post front with white dot, fixed 2-dot rear  
**Price:** \$509



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## SMITH & WESSON MODEL 3913

**Caliber:** 9mm  
**Capacity:** 8 rounds  
**Barrel Length:** 3.5"  
**Weight:** 26 ounces  
**Grips:** One-piece Delrin wraparound with straight backstrap; textured surface  
**Sights:** Post white dot front, Novak Lo Mount Carry 2-dot rear  
**Misc:** Stainless finish and ambidextrous safety, extra magazine included  
**Price:** \$662 to \$724





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## SMITH & WESSON MODEL 3913LS LADYSMITH

**Caliber:** 9mm  
**Capacity:** 8 rounds  
**Barrel Length:** 3.5"  
**Weight:** 26 ounces  
**Grips:** Straight backstrap gray; ergonomically correct for a woman's hand  
**Sights:** Novak Lo Mount Carry 2-dot rear, white dot front  
**Misc:** Stainless finish and single side safety; extra magazine included  
**Price:** \$744



**TYPE SD R C**

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## SMITH & WESSON MODEL 4006

**Caliber:** 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 38.5 ounces  
**Grips:** Xenoy wraparound with checkered panels and straight backstrap  
**Sights:** Adjustable 2-dot rear, white dot front  
**Misc:** Stainless slide and alloy frame; ambidextrous safety; tritium night sights available  
**Price:** \$864 to \$991



**TYPE SD R C**

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## SMITH & WESSON MODEL 4046 DAO

**Caliber:** 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 39.5 ounces  
**Grips:** Straight backstrap  
**Sights:** White dot front, Novak Lo Mount Carry 2-dot  
**Misc:** Stainless steel slide, slightly bobbed hammer and double-action only  
**Price:** \$864 to \$991



**TYPE SD R C**

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## SMITH & WESSON MODEL 5906 TSW

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 37.5 ounces  
**Grips:** Curved backstrap  
**Sights:** Post white dot front, Novak Lo Mount Carry or adjustable 2-dot rear  
**Misc:** Stainless slide and frame; ambidextrous safety; traditional DA  
**Price:** \$861



**TYPE SD R C**

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## SMITH & WESSON MODEL 5946

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 37.5 ounces  
**Grips:** Curved backstrap  
**Sights:** Novak Lo Mount Carry or adjustable 2-dot rear, post white dot front  
**Misc:** Stainless slide and frame and .260" serrated hammer; DAO  
**Price:** \$822



**TYPE SD R C**

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## SMITH & WESSON ENHANCED SIGMA SERIES

**Caliber:** 9mm or 40 S&W  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 24.5 to 24.75 ounces  
**Grips:** Integral black polymer  
**Sights:** White or tritium dot front, fixed or tritium 2-dot rear  
**Misc:** High capacity magazines available for law enforcement or export orders; unique, recontoured angle grip; integral accessory grooves, melonite or stainless finish  
**Price:** \$447 to \$657



**TYPE SD R C**

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## SPRINGFIELD CHAMPION 1911-A1

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 4"  
**Weight:** 28 to 34 ounces  
**Grips:** Checkered walnut  
**Sights:** Novak night sights  
**Misc:** Pistol comes "loaded" with value added features; available in a Parkerized, stainless or matte finish and also in a light weight  
**Price:** \$817 (Parkerized); \$867 (lightweight matte); \$870 (stainless)



**TYPE SD R C**

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## SPRINGFIELD COMPACT LIGHTWEIGHT 1911-A1

**Caliber:** 45 ACP  
**Capacity:** 6 rounds  
**Barrel Length:** 4"  
**Weight:** 26 ounces  
**Grips:** Checkered walnut  
**Sights:** Novak night sights  
**Misc:** Pistol comes "loaded" with value added features; available in a stainless or matte finish  
**Price:** \$826 to \$900



**TYPE SD R C**

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## SPRINGFIELD FULL-SIZE 1911-A1

**Caliber:** 9mm, 45 ACP, 40 S&W  
**Capacity:** 9 rounds (9 mm), 7 rounds (45 ACP) or 8 rounds (40 S&W)  
**Barrel Length:** 5"  
**Weight:** 38 ounces  
**Grips:** Checkered walnut  
**Sights:** Novak patented low mount or fully adjustable rear  
**Misc:** Pistol comes "loaded" with value added features; available in stainless, blued, Parkerized or matte finish and in a V-12 or light weight model  
**Price:** \$770 to \$878



**TYPE SD R C**

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## SPRINGFIELD LONG SLIDE 1911-A1

**Caliber:** 45 ACP or 45 ACP Super/45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 6"  
**Weight:** 41 ounces  
**Grips:** Checkered walnut  
**Sights:** Fully adjustable target  
**Misc:** Pistol comes "loaded" with value added features; comes with a stainless finish and is available in a Trophy Match or V-16 model  
**Price:** \$1,002 to \$1,399 (Trophy Match)



**TYPE SD R C**



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## SPRINGFIELD MIL-SPEC 1911-A1

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 3.5" (Ultra Compact), 5"  
**Weight:** 32 ounces (Ultra Compact) to 35.6 ounces  
**Grips:** Checkered black plastic  
**Sights:** 3-dot Hi-Viz Fixed Combat  
**Misc:** Pistol comes "loaded" with value added features; available in a Parkerized finish  
**Price:** \$559 to \$682



**TYPE SD R C**

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## SPRINGFIELD TROPHY MATCH 1911-A1

**Caliber:** 45 ACP  
**Capacity:** 7 rounds (8 rounds in Armory Kote model)  
**Barrel Length:** 5"  
**Weight:** 38 ounces  
**Grips:** Checkered walnut  
**Sights:** Fully adjustable target  
**Misc:** Pistol comes "loaded" with value added features; available in blued or stainless finish and in a high capacity or long slide model  
**Price:** \$1,115 to \$1,225



**TYPE SD R C**

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## SPRINGFIELD ULTRA-COMPACT 1911-A1

**Caliber:** 9mm or 45 ACP  
**Capacity:** 6 rounds (8 rounds in 9mm model)  
**Barrel Length:** 3.5"  
**Weight:** 25 to 32 ounces  
**Grips:** Plastic  
**Sights:** Novak patented low mount or Novak night sights  
**Misc:** Pistol comes "loaded" with value added features; available in Parkerized, stainless, bi-tone or matte finish and in V-10, bi-tone or stainless steel models  
**Price:** \$817 to \$884



**TYPE SD R C**

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## SPRINGFIELD FULL-SIZE HIGH CAPACITY

**Caliber:** 45 ACP  
**Capacity:** 10 rounds (13 rounds available to law enforcement)  
**Barrel Length:** 5"  
**Weight:** 38 ounces  
**Grips:** Checkered black plastic  
**Sights:** Novak patented low mount  
**Misc:** Pistol comes Parkerized  
**Price:** \$807



**TYPE SD R C**

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## SPRINGFIELD TACTICAL RESPONSE PISTOL TRP FULL-SIZE & TRP OPERATOR MODEL

**Caliber:** 45 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 5"  
**Weight:** 37 ounces  
**Grips:** Checkered walnut  
**Sights:** Novak night sights  
**Misc:** Pistol comes "loaded" with value added features; available in Armory Kote, or stainless finish; TRP-PRO MODEL is the FBI's pistol for their SWAT Hostage Rescue Team  
**Price:** \$1,265 to \$1,395



**TYPE SD R C**

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## SPRINGFIELD ULTRA COMPACT HIGH CAPACITY

**Caliber:** 45 ACP  
**Capacity:** 10 rounds (12 rounds available to law enforcement)  
**Barrel Length:** 3.5"  
**Weight:** 33 ounces  
**Grips:** Checkered black plastic  
**Sights:** Novak patented low mount  
**Misc:** Pistol comes Parkerized  
**Price:** \$870



**TYPE SD R C**

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## STEYR M-SERIES

**Caliber:** 40 S&W, 9X19 or 357 SIG  
**Capacity:** 10 rounds  
**Barrel Length:** 4"  
**Weight:** 28 ounces  
**Grips:** Advanced ultra-rigid synthetic  
**Sights:** Triangle/trapezoid sighting system  
**Misc:** Three user selectable safety conditions, integrated limited access lock with key, reset-action trigger system and true direct loaded chamber indicator  
**Price:** \$610



**TYPE SD R C**

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## STEYR S-SERIES

**Caliber:** 40 S&W; 9x19  
**Capacity:** 10 rounds  
**Barrel Length:** 3.58"  
**Weight:** 22.5 ounces  
**Grips:** Advanced ultra-rigid synthetic  
**Sights:** Triangle/trapezoid sighting system  
**Misc:** Three user selectable safety conditions; visual/felt indicator  
**Price:** \$610



**TYPE SD R C**

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## TAURUS PT-22 & PT-25

**Caliber:** 22 LR (PT-22) or 25 ACP (PT-25)  
**Capacity:** 8 rounds (PT-22) or 9 rounds (PT-25)  
**Barrel Length:** 2.75"  
**Weight:** 12 ounces  
**Grips:** Rosewood, wood or mother of pearl  
**Sights:** Fixed  
**Misc:** Features exclusive tip-up barrel; available in blue with gold trim, nickel or duo-tone finish.  
**Price:** \$190



**TYPE SD R**

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## TAURUS PT92

**Caliber:** 9mm  
**Capacity:** 10+1 rounds  
**Barrel Length:** 5"  
**Weight:** 34 ounces  
**Grips:** Checkered rubber, rosewood or mother of pearl  
**Sights:** 3-dot fixed  
**Misc:** Ambidextrous 3-position safety  
**Price:** \$575 (blue) to \$670 (polished stainless steel)



**TYPE SD R C**



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## TAURUS PT99

**Caliber:** 9mm  
**Capacity:** 10 rounds  
**Barrel Length:** 5"  
**Weight:** 34 ounces  
**Grips:** Checkered rubber, rosewood or mother of pearl  
**Sights:** 3-dot adjustable  
**Misc:** Ambidextrous 3-position safety  
**Price:** \$575 (blue) to \$670 (polished stainless)



**TYPE SD R C**

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## TAURUS PT111 & PT138

**Caliber:** 9mm (PT111) or 380 (PT138)  
**Capacity:** 10 rounds  
**Barrel Length:** 3.25"  
**Weight:** 18.75 ounces  
**Grips:** Checkered  
**Sights:** 3-dot fixed  
**Price:** \$425 (blue) to \$500 (matte stainless)



**TYPE SD R**

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## TAURUS PT957, PT911, PT938 & PT940

**Caliber:** 357 Sig (PT957) or 9mm (PT911),  
380 ACP (PT938) or 40 (PT940)  
**Capacity:** 10 rounds  
**Barrel Length:** 3.75" (PT938), 3.6" (PT957 and PT940) or 4" (PT911)  
**Weight:** 26.75 to 28 ounces  
**Grips:** Checkered rubber, rosewood or mother of pearl  
**Sights:** 3-dot fixed, night sights available (911, 940)  
**Misc:** 3-position ambidextrous safety; PT957 is ported  
**Price:** \$505 to \$600



**TYPE SD R C**

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## TAURUS PT945

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 4.25"  
**Weight:** 29.5 ounces  
**Grips:** Checkered rubber, rosewood or mother of pearl  
**Sights:** 3-dot fixed  
**Misc:** 3-position ambidextrous safety  
**Price:** \$525 (blue) to \$655 (polished stainless)



**TYPE SD R C**

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## WALTHER P-5

**Caliber:** 9mm Para.  
**Capacity:** 8 rounds  
**Barrel Length:** 3.5"  
**Weight:** 28 ounces  
**Grips:** Checkered plastic  
**Sights:** Blade front, adjustable rear  
**Price:** \$900



**TYPE SD R C**

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## WALTHER P-88 COMPACT

**Caliber:** 9mm Para  
**Capacity:** 10 rounds  
**Barrel Length:** 3.93"  
**Weight:** 28 ounces  
**Grips:** Checkered black polymer  
**Sights:** Blade front, drift adjustable rear  
**Price:** \$900



**TYPE SD R C**

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## WALTHER P-99 & P-990

**Caliber:** 9mm Para., 40 S&W or 9mm x 21  
**Capacity:** 10 rounds (12 and 16 available to law enforcement)  
**Barrel Length:** 4"  
**Weight:** 25 ounces  
**Grips:** Polymer  
**Sights:** Blade front, micrometer rear adjustable  
**Price:** \$749 (990) to \$799 (P99)



**TYPE SD R C**

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## WALTHER PP

**Caliber:** 380 ACP  
**Capacity:** 7 rounds  
**Barrel Length:** 3.8"  
**Weight:** 23.5 ounces  
**Grips:** Checkered plastic  
**Sights:** Fixed; white markings  
**Price:** \$999



**TYPE SD R**

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## WALTHER PPK

**Caliber:** 380 ACP or 32 ACP  
**Capacity:** 6 rounds (380 ACP) or 7 rounds (32 ACP)  
**Barrel Length:** 3.27"  
**Weight:** 21 ounces  
**Grips:** Checkered plastic  
**Sights:** Fixed; white markings  
**Misc:** Blue or stainless finish; made in USA, distributed by Walther USA  
**Price:** \$540



**TYPE SD R**

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## WALTHER PPK/S

**Caliber:** 380 ACP or 32 ACP  
**Capacity:** 7 rounds (380 ACP) or 8 rounds (32 ACP)  
**Barrel Length:** 3.27"  
**Weight:** 23.5 ounces  
**Grips:** Checkered plastic  
**Sights:** Fixed; white markings  
**Misc:** Blue or stainless finish; made in USA, distributed by Walther USA.  
**Price:** \$540



**TYPE SD R**



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## WALTHER TPH

**Caliber:** 22 LR or 25 ACP  
**Capacity:** 6 rounds  
**Barrel Length:** 2.25"  
**Weight:** 14 ounces  
**Grips:** Checkered black composition  
**Sights:** Adjustable rear, blade front  
**Misc:** Stainless or blue finish; made in USA, distributed by Walther USA  
**Price:** \$440



**TYPE SD R**

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## WILKINSON "SHERRY" AUTO

**Caliber:** 22 LR  
**Capacity:** 8 rounds  
**Barrel Length:** 2.125"  
**Weight:** 9.25 ounces  
**Grips:** Checkered black plastic  
**Sights:** Fixed, groove  
**Misc:** Blue finish or blue slide and trigger with gold frame available; Cross-bolt safety locks the sear into the hammer  
**Price:** \$195



**TYPE SD R**

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## WILSON COMBAT KZ-45 TACTICAL CARRY PISTOL

**Caliber:** 45 ACP  
**Capacity:** 9 rounds (compact), 10 rounds (full-size)  
**Barrel Length:** 4.1" (compact), 5" (full-size)  
**Weight:** 29 ounces (compact), 31 ounces (full-size)  
**Grips:** Checkered plastic  
**Sights:** Tritium Nite-Eyes  
**Misc:** Includes an instructional video, nylon pistol rug and 2 extra magazines  
**Price:** \$1,030 to \$1,130



**TYPE SD R C**

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## WILSON CUSTOM PISTOLS

**Caliber:** 45 ACP  
**Capacity:** 8 rounds  
**Barrel Length:** 5"  
**Weight:** 26.5 to 48 ounces  
**Grips:** Checkered wood  
**Sights:** Lo-Mount adjustable, tritium Nite-Eyes or Tactical Combat  
**Misc:** Finish varies by version  
**Price:** \$1,199 to \$3,495



**TYPE SD R C**

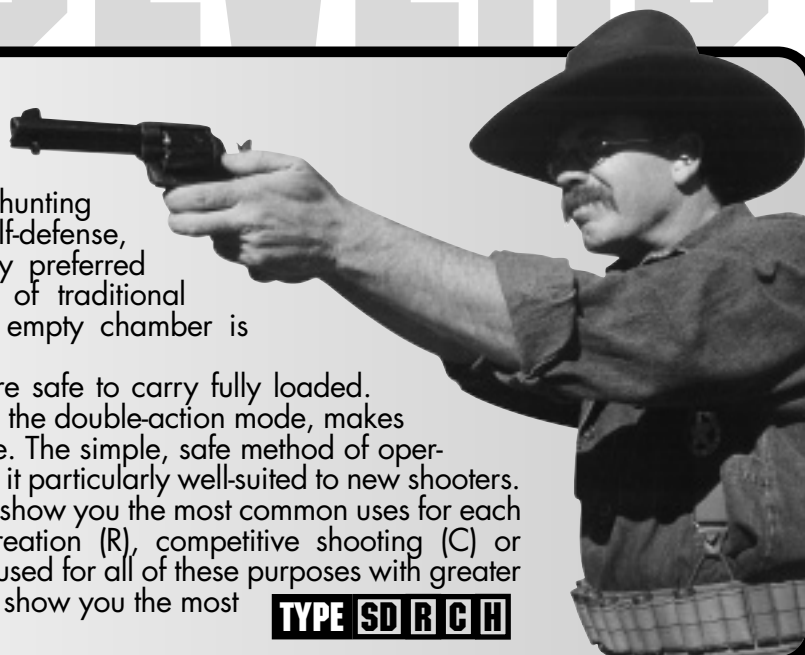
# REVOLVERS

A good revolver, depending upon caliber, frame size, action type and barrel length, is the most versatile of all handguns. It can be used for recreational shooting, competitive shooting, hunting and self-defense. Once used for self-defense, single-action revolvers are not generally preferred for that purpose. Many single-actions of traditional design are unsafe to carry unless an empty chamber is placed in line with the barrel.

All modern double-action revolvers are safe to carry fully loaded. This factor, along with faster operation in the double-action mode, makes them the preferred choice for self-defense. The simple, safe method of operation of the double-action revolver makes it particularly well-suited to new shooters.

The *Guns Combat* selection guide will show you the most common uses for each type of firearm. Self-defense (SD), recreation (R), competitive shooting (C) or hunting (H). While most firearms can be used for all of these purposes with greater or lesser success, the selection guide will show you the most common uses for each model.

**TYPE SD R C H**



## CENTURY MODEL 100

**Caliber:** 30-30, 375 Win., 444 Marlin, 45-70 or 50-70  
**Capacity:** 6 rounds  
**Barrel Length:** 6.5", 8" or 10"  
**Weight:** 6 pounds (loaded)  
**Grips:** Smooth walnut  
**Sights:** Millett rear, ramp front  
**Misc:** Manganese-bronze frame, blue cylinder and barrel  
**Price:** \$1,250



**TYPE R H**

## CIMARRON ARTILLERY MODEL

**Caliber:** 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 5.5"  
**Weight:** 39 ounces  
**Grips:** Walnut  
**Sights:** Fixed  
**Misc:** Case-hardened frame and hammer, Italian-made Colt reproduction  
**Price:** \$499



**TYPE R C H**

## CIMARRON U.S. CAVALRY MODEL

**Caliber:** 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5"  
**Weight:** 42 ounces  
**Grips:** Walnut  
**Sights:** Fixed  
**Misc:** Color case-hardened frame and hammer, rest charcoal blue, Italian-made Colt reproduction  
**Price:** \$499



**TYPE R C H**



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## COLT SINGLE ACTION ARMY

**Caliber:** 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 4.75", 5.5" or 7.5"  
**Weight:** 40 ounces  
**Grips:** Black composite Eagle stocks  
**Sights:** Blade front, notch rear  
**Finish:** Blue with color case-hardened frame or full nickel  
**Misc:** Available with gold grip medallions, This is the original Colt Single Action Army.  
**Price:** \$1,938 to \$2,125



**TYPE R C H**

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## DAN WESSON SUPER RAM SILHOUETTE

**Caliber:** 22 LR, 357 Mag., 357 SuperMag/Maxi, 41 Mag., 44 Mag., 414 SuperMag or 445 SuperMag  
**Capacity:** 6 rounds  
**Barrel Length:** 8"  
**Weight:** 64 ounces  
**Grips:** Hogue rubber fingergroove  
**Sights:** Bo-Mar target sights with hooded front  
**Misc:** Available in blue or stainless; SRS-1 laser engraving  
**Price:** \$1,149 to \$1,295



**TYPE R C H**

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## DAN WESSON ALASKAN GUIDE

**Caliber:** 445 SuperMag  
**Capacity:** 6 rounds  
**Barrel Length:** 4"  
**Weight:** 54 ounces  
**Grips:** Hogue rubber fingergroove  
**Sights:** Target sights  
**Misc:** Ported barrel  
**Price:** \$995



**TYPE SD R H**

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## DAN WESSON SMALL FRAME SERIES

**Caliber:** 22 LR, 22 mag., 32 H&R, 32-20, 357 Mag  
**Capacity:** 6 rounds  
**Barrel Length:** 2.5" to 10"  
**Weight:** 32 ounces to 58 ounces  
**Grips:** Hogue rubber fingergroove  
**Sights:** Target sights  
**Misc:** Available in blue or stainless; SRS-1 laser engraving  
**Price:** \$599 to \$729



**TYPE SD R H**

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## E.A.A. WINDICATOR

**Caliber:** 357 Mag., 38 Special  
**Capacity:** 5 rounds  
**Barrel Length:** 2" to 4"  
**Weight:** Under 2 pounds  
**Grips:** rubber  
**Sights:** Fixed  
**Misc:** Double/Single action, made in Germany  
**Price:** \$259



**TYPE SD R**

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## E.A.A. BOUNTY HUNTER

**Caliber:** 22 LR/22 WMR, 357 Mag., 44 Mag. or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 4.5" to 7.5"  
**Weight:** 38 ounces  
**Grips:** Smooth walnut  
**Sights:** Blade front, grooved topstrap rear  
**Misc:** Blue or nickel finish; hammer-forged barrel  
**Price:** \$269 to \$399

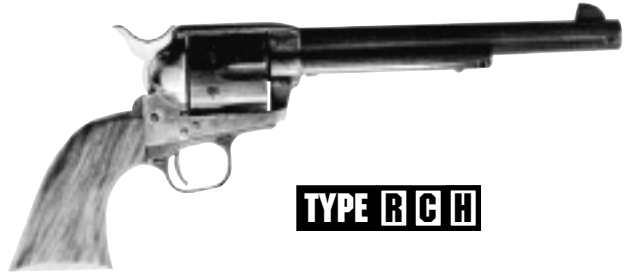


**TYPE R C H**

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## EMF DAKOTA 1875 SINGLE ACTION

**Caliber:** 357 Mag., 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5"  
**Weight:** 46 ounces  
**Grips:** Smooth walnut  
**Sights:** Blade front, fixed groove rear  
**Price:** \$300



**TYPE R C H**

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## EMF 1890 POLICE SINGLE ACTION

**Caliber:** 357 Mag., 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 5.5"  
**Weight:** 40 ounces  
**Grips:** Walnut  
**Sights:** Blade front, fixed groove rear  
**Price:** \$600



**TYPE R C H**

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## EMF HARTFORD SINGLE ACTION

**Caliber:** 22 LR, 32-20, 357 Mag., 38-40, 44-40, 44 Special or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 4.75", 5.5" or 7.5"  
**Weight:** 45 ounces  
**Grips:** Smooth walnut  
**Sights:** Blade front, fixed rear  
**Misc:** Bullseye ejector head and color case-hardening on frame and hammer  
**Price:** \$375 to \$500



**TYPE R C H**

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## EMF 1875 OUTLAW SINGLE ACTION

**Caliber:** 357 Mag., 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5"  
**Weight:** 46 ounces  
**Grips:** Smooth walnut  
**Sights:** Blade front, fixed groove rear  
**Price:** \$575 to \$590



**TYPE R C H**



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## FREEDOM ARMS MODEL 252

**Caliber:** 22 LR  
**Capacity:** 5 rounds  
**Barrel Length:** 7.5"  
**Weight:** 59 ounces  
**Grips:** Black and green laminated hardwood  
**Sights:** Express sights, notched rear, brass bead front  
**Misc:** Extra fitted 22 WMR cylinders available for an additional \$264; other custom options available  
**Price:** \$1,527



**TYPE R C H**

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## FREEDOM ARMS MODEL 97

**Caliber:** 357 Mag. or 45 Long Colt  
**Capacity:** 5 or 6 rounds  
**Barrel Length:** 5.5" or 7.5"  
**Weight:** 40 to 42 ounces  
**Grips:** Hardwood or black micarta  
**Sights:** Adjustable rear, ramp front  
**Misc:** Available in fixed sight mode, stainless steel with brushed finish  
**Price:** \$1,391 (fixed); \$1,492 (adjustable)



**TYPE R C H**

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## FREEDOM ARMS FIELD GRADES

**Caliber:** 454 Casull, 50 AE, 44 Mag., 357 Mag., 41 Mag. or 475 Linebaugh  
**Capacity:** 5 rounds  
**Barrel Length:** 4.75", 6", 7.5" or 10"  
**Weight:** 50 to 52 ounces  
**Grips:** Pachmayr  
**Sights:** Fixed or adjustable rear; ramp front  
**Price:** \$1,322 to \$1,400



**TYPE R C H**

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## FREEDOM ARMS PREMIER GRADES

**Caliber:** 454 Casull, 50 AE, 44 Mag., 357 Mag., 41 Mag. or 475 Linebaugh  
**Capacity:** 5 rounds  
**Barrel Length:** 4.75", 6", 7.5", 9" or 10"  
**Weight:** 50 ounces  
**Grips:** Hardwood  
**Sights:** Adjustable rear; ramp front and fixed  
**Misc:** Stainless steel; optional cylinders in 45 Colt, 45 ACP, and 45 Win. Mag. with 454 only available for \$264  
**Price:** \$1,663 to \$1,820



**TYPE R C H**

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## HERITAGE ROUGH RIDER

**Caliber:** 22 LR or 22 LR/22 WMR Combo  
**Capacity:** 6 rounds  
**Barrel Length:** 3.5", 4.75", 6.5", 9"  
**Weight:** 31 to 38 ounces  
**Grips:** Exotic hardwood  
**Sights:** Blade front, adjustable sight or Red Dot Reflex versions available  
**Price:** \$135 to \$239

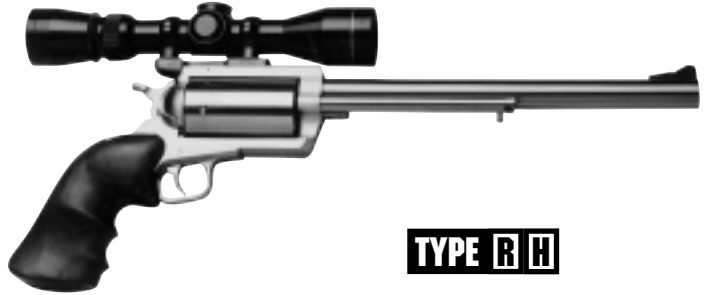


**TYPE R C H**

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## MAGNUM RESEARCH BFR REVOLVER

**Caliber:** 22h, 444, 45LC/410, 450 Marlin, 454, 45/70 Government, 480 Ruger  
**Capacity:** 5-shot  
**Barrel Length:** 22h 7.5/10", 444 10", 45LC/410 10", 450 10", 454 6.5/7.5/10", 45/70 7.5/10", 480 7.5/10"  
**Weight:** Long cylinder 4 pounds (7.5") and 4.36 pounds (10") Short cylinder 3.2 pounds, (6.5"), 3.5 pounds (7.5") , 4.36 pounds (10")  
**Grips:** Plastic  
**Sights:** Factory, adjustable rear  
**Misc:** (scope mount rings not included)  
**Price:** \$999



**TYPE RCH**

---

## NAVY ARMS 1873 COLT-STYLE SAA

**Caliber:** 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 3", 4.75", 5.5" or 7.5"  
**Weight:** 36 ounces  
**Grips:** Walnut  
**Sights:** Blade front, groove in topstrap rear  
**Price:** \$385



**TYPE RCH**

---

## NAVY ARMS 1875 SCHOFIELD

**Caliber:** 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 3" (Hide Out Model), 5" (Wells Fargo Model), 7" (Cavalry Model)  
**Weight:** 39 ounces  
**Grips:** Walnut  
**Sights:** Blade front, notch rear  
**Misc:** Cavalry, Hide Out and Wells Fargo models available in either caliber  
**Price:** \$695



**TYPE RCH**

---

## NAVY ARMS "BISLEY MODEL" SAA

**Caliber:** 44-40 or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 4.75", 5.5" or 7.5"  
**Weight:** 40 ounces  
**Grips:** Walnut  
**Sights:** Blade front, notch rear  
**Price:** \$405

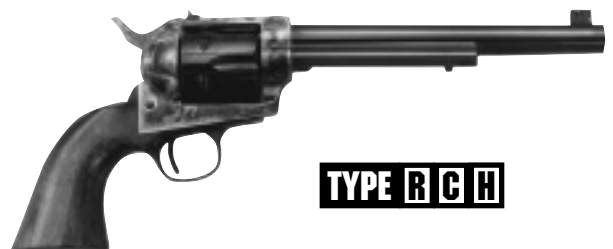


**TYPE RCH**

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## NAVY ARMS FLAT TOP TARGET MODEL SAA

**Caliber:** 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5"  
**Weight:** 40 ounces  
**Grips:** Walnut  
**Sights:** Spring loaded front, adjustable rear  
**Price:** \$425



**TYPE RCH**



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## NAVY ARMS NEW MODEL RUSSIAN

**Caliber:** 44 Russian  
**Capacity:** 6 rounds  
**Barrel Length:** 6.5"  
**Weight:** 40 ounces  
**Grips:** Walnut  
**Sights:** Blade front, notch rear  
**Price:** \$745



**TYPE R C H**

---

## NORTH AMERICAN ARMS MINI-MASTER

**Caliber:** 22 LR or 22 WMR  
**Capacity:** 5 rounds  
**Barrel Length:** 4"  
**Weight:** 10.75 ounces  
**Grips:** Checkered hard black rubber  
**Sights:** Blade front, white outline rear adjustable, or fixed  
**Misc:** Heavy vent barrel, full-size grips, extra cylinders available  
**Price:** \$286 (fixed) to \$304 (adjustable); \$324 to \$343 with extra cylinders



**TYPE R**

---

## NORTH AMERICAN ARMS BLACK WIDOW

**Caliber:** 22 LR or 22 WMR  
**Capacity:** 5 rounds  
**Barrel Length:** 2"  
**Weight:** 8.8 ounces  
**Grips:** Black rubber  
**Sights:** Millett fixed or adjustable rear, blade front  
**Misc:** Extra cylinders available; heavy barrel, full grips, vent ribbed barrel  
**Price:** \$256 (fixed) to \$274 (adjustable); \$294 (fixed) to \$312 (adjustable) with extra cylinders

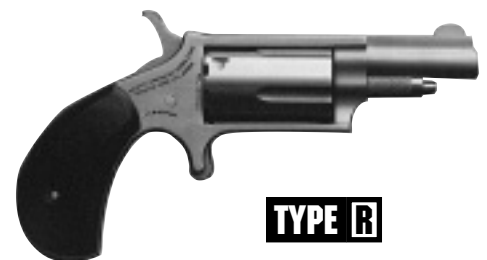


**TYPE R**

---

## NORTH AMERICAN ARMS MINI

**Caliber:** 22 Short, 22 LR or 22 WMR  
**Capacity:** 5 rounds  
**Barrel Length:** 1.125" or 1.625"  
**Weight:** 4 to 6.5 ounces  
**Grips:** Laminated wood  
**Sights:** Blade front, notch fixed rear  
**Misc:** Extra cylinders available  
**Price:** \$186 to \$240



**TYPE R**

---

## ROSSI MODEL 851

**Caliber:** 38 Special  
**Capacity:** 6 rounds  
**Barrel Length:** 4"  
**Weight:** 38 ounces  
**Grips:** Rubber  
**Sights:** Adjustable  
**Misc:** Double action, blue steel, and +P rated, integral key lock action  
**Price:** \$298



**TYPE SD R H**

---

## ROSSI MODEL 971/972

**Caliber:** 357 Mag.  
**Capacity:** 6 rounds  
**Barrel Length:** 4" or 6", heavy  
**Weight:** 40 ounces  
**Grips:** Rubber  
**Sights:** Adjustable  
**Misc:** Double action, stainless or blue steel, +P rated, integral key lock action  
**Price:** \$345 (Blue) to \$391 (Stainless)



**TYPE SD R H**

---

## RUGER BISLEY

**Caliber:** 357 Mag., 44 Mag., 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5"  
**Weight:** 48 ounces  
**Grips:** Rosewood with Ruger medallion  
**Sights:** adjustable rear, fixed front  
**Misc:** Unfluted cylinder and roll engraving  
**Price:** \$535



**TYPE R C H**

---

## RUGER BISLEY SMALL FRAME

**Caliber:** 22 LR  
**Capacity:** 6 rounds  
**Barrel Length:** 6.5"  
**Weight:** 41 ounces  
**Grips:** Rosewood with Ruger medallion  
**Sights:** Adjustable rear, fixed front  
**Misc:** Unfluted cylinder and roll engraving  
**Price:** \$422



**TYPE R C H**

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## RUGER BISLEY-VAQUERO

**Caliber:** 44 Mag., 45 Long Colt, 357 Mag.  
**Capacity:** 6 rounds  
**Barrel Length:** 5.5" and 4.625"  
**Weight:** 39 to 40 ounces  
**Grips:** Smooth rosewood with Ruger medallion  
**Sights:** Notch rear, blade front, fixed  
**Price:** \$535 (blue) to \$555 (stainless)



**TYPE R C H**

---

## RUGER BLACKHAWK

**Caliber:** 30 Carbine, 357 Mag., 41 Mag or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 4.625", 6.5" or 7.5" & 5.5" (30 Carbine and 45 Colt only)  
**Weight:** 38 ounces to 44 ounces  
**Grips:** American walnut with Ruger medallion  
**Sights:** Ramp front, micro-click adjustable rear  
**Price:** \$435 to \$530 (depending on caliber and finish)



**TYPE R C H**



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## RUGER SUPER BLACKHAWK

**Caliber:** 44 Magnum  
**Capacity:** 6 rounds  
**Barrel Length:** 4.625", 5.5", 7.5", 10.5"  
**Weight:** 45 to 51 ounces  
**Grips:** American walnut  
**Sights:** Ramp front, micro-click adjustable rear  
**Price:** \$519-\$529 (blue) to \$535-\$540 (stainless)



**TYPE RCH**

---

## RUGER SUPER BLACKHAWK HUNTER

**Caliber:** 44 Magnum  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5"  
**Weight:** 52 ounces  
**Grips:** Smooth black laminated wood  
**Sights:** Adjustable rear/replaceable front blade  
**Misc:** Includes set of 1" medium scope rings  
**Price:** \$639

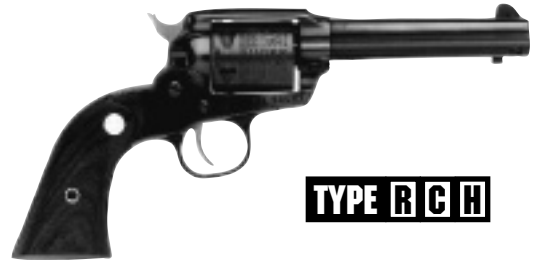


**TYPE RCH**

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## RUGER NEW BEARCAT

**Caliber:** 22 LR  
**Capacity:** 6 rounds  
**Barrel Length:** 4"  
**Weight:** 24 ounces  
**Grips:** Rosewood  
**Sights:** Blade front, fixed notch rear  
**Price:** \$379 to \$429 (stainless)



**TYPE RCH**

---

## RUGER REDHAWK

**Caliber:** 44 Mag. and 45 Long Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 5.5" or 7.5"  
**Weight:** 49 to 54 ounces  
**Grips:** Goncalo Alves, square butt  
**Sights:** Adjustable rear, Patridge-type front  
**Price:** \$585 (Blue) to \$645 (Stainless) also with 1" scope rings: \$625 (blue) to \$685 (stainless)



**TYPE SD RCH**

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## RUGER SUPER REDHAWK

**Caliber:** 44 Mag., 454 Casull, 480 Ruger  
**Capacity:** 6 rounds  
**Barrel Length:** 7.5" or 9.5"  
**Weight:** 53 and 58 ounces  
**Grips:** Patented Ruger cushioned grips with laminated grip panels  
**Sights:** Adjustable rear, interchangeable front inserts  
**Misc:** Heavy extended frame, stainless steel  
**Price:** \$685 (Stainless) to \$775 (Stainless Target Gray)



**TYPE RCH**

---

## RUGER SUPER SINGLE-SIX

**Caliber:** 22 LR or 22 WMR (available with extra cylinder)  
**Capacity:** 6 rounds  
**Barrel Length:** 4.625", 5.5", 6.5" or 9.5"  
**Weight:** 32 to 35 ounces  
**Grips:** Rosewood with Ruger medallion  
**Sights:** Adjustable rear, ramp front  
**Price:** \$389 (blue) to \$469 (High Gloss Stainless)



**TYPE RCH**

---

## RUGER VAQUERO

**Caliber:** 357 Mag., 44-40, 44 Mag. or 45 Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 4.625", 5.5" or 7.5"  
**Weight:** 39 to 41 ounces  
**Grips:** Smooth rosewood with Ruger medallion  
**Sights:** Blade front, fixed rear  
**Price:** \$535



**TYPE RCH**

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## RUGER BIRD'S HEAD VAQUERO

**Caliber:** 45 Long Colt  
**Capacity:** 6 rounds  
**Barrel Length:** 3.75"  
**Weight:** 38 ounces  
**Grips:** Black micarta  
**Sights:** Blade front, notch rear fixed  
**Misc:** Available in stainless steel or color case finish  
**Price:** \$576



**TYPE RCH**

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## RUGER GP-100

**Caliber:** 357 Mag. or 38 Special  
**Capacity:** 6 rounds  
**Barrel Length:** 3", 4" or 6" (heavy barrels available)  
**Weight:** 35 to 43 ounces  
**Grips:** Patented Ruger cushioned grips with laminated grip panels  
**Sights:** Fixed or adjustable  
**Price:** \$489 to \$539



**TYPE SD RCH**

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## RUGER SP-101

**Caliber:** 22 LR, 32 Mag., 38 Special +P or 357 Mag.  
**Capacity:** 5 rounds (38 Special, 357) or 6 rounds (22 LR & 32 Mag.)  
**Barrel Length:** 2.25", 3.6" or 4"  
**Weight:** 25 ounces to 34 ounces  
**Grips:** Patented Ruger cushioned grips with laminated grip panels  
**Sights:** Fixed; adjustable rear on 22 LR and 32 Mag.  
**Misc:** Stainless steel small frame, DAO version, with one spurless model available  
**Price:** \$482



**TYPE SD R**



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## SMITH & WESSON AIRLITE TI

**Caliber:** 32 H&R Mag. or 38 S&W Special  
**Capacity:** 5 rounds (38 S&W) or 6 rounds (32 H&R)  
**Barrel Length:** 1.9"  
**Weight:** 11 to 12 ounces  
**Grips:** Uncle Mike's Boot or Dymondwood Boot  
**Sights:** Pinned black serrated ramp front, fixed notch rear  
**Misc:** Titanium cylinder; aluminum alloy frame, barrel shroud and yoke; stainless steel barrel liner  
**Price:** \$682 to \$699



**TYPE SD R**

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## SMITH & WESSON MODEL 10/64

**Caliber:** 38 Special  
**Capacity:** 6 rounds  
**Barrel Length:** 2", 3" or 4" (Model 10 in 4" only)  
**Weight:** 30.5 to 36 ounces  
**Grips:** Uncle Mike's Combat  
**Sights:** Fixed  
**Misc:** Finishes: Model 10 (blue); Model 64 (stainless)  
**Price:** \$420 (Model 10) to \$454 (Model 64)



**TYPE SD R C H**

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## SMITH & WESSON MODEL 65LS

**Caliber:** 357 Mag.  
**Capacity:** 6 rounds  
**Barrel Length:** 3"  
**Weight:** 31 ounces  
**Grips:** Rosewood, round butt  
**Sights:** Serrated ramp front, fixed notch rear  
**Misc:** Stainless with frosted finish; smooth combat trigger; service hammer  
**Price:** \$539



**TYPE SD R C H**

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## SMITH & WESSON MODEL 66

**Caliber:** 357 Mag. and 38 Special  
**Capacity:** 6 rounds  
**Barrel Length:** 2.5", 4" or 6"  
**Weight:** 36 ounces  
**Grips:** Soft rubber  
**Sights:** Red ramp front, micro-click rear adjustable  
**Misc:** Satin stainless finish  
**Price:** \$545 (2.5") to \$551 (4", 6")



**TYPE SD R C H**

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## SMITH & WESSON MODEL 629

**Caliber:** 44 Mag. or 44 S&W Special  
**Capacity:** 6 rounds  
**Barrel Length:** 5", 6.5" or 8.4"  
**Weight:** 47 to 51 ounces  
**Grips:** Hogue rubber combat or wood combat  
**Sights:** Adjustable rear, interchangeable front  
**Misc:** Stainless finish  
**Price:** \$670 to \$888 (Classic DX)



**TYPE SD R C H**

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## SMITH & WESSON MODEL 36/37/60

**Caliber:** 38 Special +P or 357 Mag. (Model 60 only)  
**Capacity:** 5 rounds  
**Barrel Length:** 1.9" (Model 36 & 37), 2.13" or 3" (Model 60)  
**Weight:** 15 to 24 ounces  
**Grips:** Soft rubber, rosewood or Uncle Mike's Combat  
**Sights:** Serrated ramp, fixed notch  
**Misc:** Finishes: Model 36 (blue steel); Model 37 (blue aluminum alloy) and Model 60 (stainless steel)  
**Price:** \$406 to \$536



**TYPE SD R**

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## SMITH & WESSON MODEL 38/649

**Caliber:** 38 Special or 357 Mag.  
**Capacity:** 5 rounds  
**Barrel Length:** 1.9" to 2.13"  
**Weight:** 14.5 (Model 38) to 20 (Model 649) ounces  
**Grips:** Uncle Mike's Combat  
**Sights:** Pinned black serrated ramp front, fixed notch rear  
**Misc:** Finishes: Model 38 (blue) and Model 649 (stainless)  
**Price:** \$462 to \$502



**TYPE SD R**

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## SMITH & WESSON MODEL 60LS LADYSMITH

**Caliber:** 38 Special or 357 Mag.  
**Capacity:** 5 rounds  
**Barrel Length:** 1.9"  
**Weight:** 21.5 ounces  
**Grips:** Rosewood  
**Sights:** Fixed  
**Misc:** Stainless finish  
**Price:** \$539



**TYPE SD R**

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## SMITH & WESSON MODEL 317 AIRLITE

**Caliber:** 22 LR  
**Capacity:** 8 rounds  
**Barrel Length:** 1.9" to 3"  
**Weight:** 10.5 (rubber grip) to 12 ounces  
**Grips:** Dymondwood Boot or Uncle Mike's Boot  
**Sights:** Front serrated ramp, rear fixed notch  
**Misc:** Clear Cote Aluminum finish; Airlite Ladysmith also available  
**Price:** \$508 to \$568



**TYPE SD R**

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## SMITH & WESSON MODEL 337 CHIEFS SPECIAL AIRLITE TI

**Caliber:** 38 S&W Special  
**Capacity:** 5 rounds  
**Barrel Length:** 1.875"  
**Weight:** 11.2 ounces  
**Grips:** Uncle Mike's Boot; Dymondwood Boot  
**Sights:** Black serrated front; fixed notch rear  
**Misc:** Aluminum alloy frame, barrel shroud and yoke; titanium cylinder; stainless steel barrel liner  
**Price:** \$682



**TYPE SD R**



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## SMITH & WESSON MODEL 442/640/642

**Caliber:** 357 Mag. or 38 S&W Special +P (Model 442 & 642 in 38 Special +P only)  
**Capacity:** 5 rounds  
**Barrel Length:** 1.9" to 1.25"  
**Weight:** 15 to 25 ounces  
**Grips:** Uncle Mike's Boot or Uncle Mike's Combat  
**Sights:** Serrated ramp, fixed notch  
**Misc:** Finishes: Model 442 (blue); Model 640 & 642 (stainless); Concealed hammer; Full lug barrel on 357 Mag.; LadySmith version also available  
**Price:** \$505



**TYPE SD R**

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## SMITH & WESSON MODEL 686

**Caliber:** 357 Mag.  
**Capacity:** 7 rounds  
**Barrel Length:** 4", 6" or 8.4" (Model 686 also comes in a 2.5" barrel)  
**Weight:** 34.5 ounces  
**Grips:** Hogue rubber  
**Sights:** Adjustable rear, red ramp front  
**Price:** \$534 to \$550



**TYPE SD R C H**

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## SMITH & WESSON MODEL 617

**Caliber:** 22 LR  
**Capacity:** 6 to 10 rounds  
**Barrel Length:** 4", 6" or 8.4"  
**Weight:** 42 ounces  
**Grips:** Hogue rubber  
**Sights:** Adjustable/black rear, pinned Patridge front  
**Misc:** Stainless steel with satin finish  
**Price:** \$524 to \$578



**TYPE R C H**

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## SMITH & WESSON MODEL 625

**Caliber:** 45 ACP  
**Capacity:** 6 rounds  
**Barrel Length:** 5" or 4"  
**Weight:** 46 ounces  
**Grips:** Hogue rubber combat, wood optional  
**Sights:** Adjustable/black rear, Patridge front  
**Price:** \$636



**TYPE SD R C H**

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## SMITH & WESSON MODEL 629 CLASSIC & 629 CLASSIC DX

**Caliber:** 44 Mag. or 44 Special  
**Capacity:** 6 rounds  
**Barrel Length:** 4", 5", 6", 6.5" or 8.4"  
**Weight:** 41.5 to 54.5 ounces  
**Grips:** Hogue rubber combat or wood combat  
**Sights:** Adjustable rear; interchangeable, red ramp or Patridge front  
**Misc:** Stainless finish; chambered cylinder; full lug barrel and drilled and tapped for scope mount; Classic DX model features five interchangeable front sights  
**Price:** \$670 (Model 629) to \$888 (Classic DX)



**TYPE SD R C H**

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## SMITH & WESSON MODEL 657

**Caliber:** 41 Mag.  
**Capacity:** 6 rounds  
**Barrel Length:** 6"  
**Weight:** 48 ounces  
**Grips:** Hogue rubber combat  
**Sights:** Adjustable rear, pinned black ramp front  
**Misc:** Stainless finish  
**Price:** \$564



**TYPE SD R C H**

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## SMITH & WESSON MODEL 686

**Caliber:** 357 Mag.  
**Capacity:** 6 rounds  
**Barrel Length:** 2.5", 4", 6", 8.4"  
**Weight:** 41 to 46 ounces  
**Grips:** Hogue black rubber  
**Sights:** Adjustable rear blade, pinned fixed front  
**Misc:** Stainless steel with full lug ported barrel  
**Price:** \$514 to \$564



**TYPE SD R C H**

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## TAURUS MODEL 44

**Caliber:** 44 Mag.  
**Capacity:** 6 rounds  
**Barrel Length:** 4", 6.5" or 8.4"  
**Weight:** 45 to 57 ounces  
**Grips:** Soft black rubber  
**Sights:** Micro-click adjustable rear; serrated ramp front  
**Misc:** Features include a compensated barrel; a heavy, solid rib on 4" or vent rib barrel on 6.5" and 8.4"  
**Price:** \$500 to \$575



**TYPE SD R C H**

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## TAURUS MODEL 82 & 82SS4

**Caliber:** 38 Special  
**Capacity:** 6 rounds (7 rounds in Model 827)  
**Barrel Length:** 4"  
**Weight:** 36.5 ounces  
**Grips:** Soft black rubber  
**Sights:** Fixed  
**Misc:** Heavy, solid rib barrel and key lock  
**Price:** \$325 (Model 82 blue) to \$375 (Model 82SS4 stainless)



**TYPE SD R C H**

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## TAURUS MODEL 85 & 731

**Caliber:** 38 Special and 32 Mag. (731)  
**Capacity:** 5 rounds, 6 rounds (731)  
**Barrel Length:** 2"  
**Weight:** 17 to 24.5 ounces  
**Grips:** Soft rubber, rosewood, mother of pearl  
**Sights:** Fixed  
**Misc:** Matte, blue or stainless finish; key locks, concealed hammer and Ultra-Lite versions available;  
Model 731: 32 H&R Mag., 6 rounds, 2" barrel, weighs 17 ounces with matte stainless steel finish  
**Price:** \$345 to \$445



**TYPE SD R**



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## TAURUS MODEL 94 & 941

**Caliber:** 22 LR or 22 Mag.  
**Capacity:** 8 or 9 rounds  
**Barrel Length:** 2", 4" or 5"  
**Weight:** 18 to 27.5 ounces  
**Grips:** Soft rubber  
**Sights:** Adjustable  
**Price:** \$325



**TYPE SD R H**

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## TAURUS MODEL 445 & 617

**Caliber:** 44 Special (Model 445 only) or 357 Mag. (Model 617)  
**Capacity:** 5 rounds (Model 445) or 7 rounds (Model 617)  
**Barrel Length:** 2"  
**Weight:** 20 to 28 ounces  
**Grips:** Soft black rubber (617), Ribber (445)  
**Sights:** Fixed  
**Misc:** Options include key locks, ported barrel and concealed hammer; heavy, solid rib barrel on Model 445, also available in titanium  
**Price:** \$345 to \$500



**TYPE SD R**

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## TAURUS MODEL 605 & 817

**Caliber:** 357 Mag. (Model 605) or 38 Special (Model 817)  
**Capacity:** 5 rounds (Model 605) or 7 rounds (Model 817)  
**Barrel Length:** 2"  
**Weight:** 21 to 24 ounces  
**Grips:** Soft rubber  
**Sights:** Fixed  
**Misc:** Available with ported barrel, concealed hammer, key lock and an Ultra-Lite version; comes in a blue, matte or stainless finish  
**Price:** \$345 to \$440



**TYPE SD R**

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## TAURUS MODEL 608

**Caliber:** 357 Mag.  
**Capacity:** 8 rounds  
**Barrel Length:** 4", 6.5" or 8.4"  
**Weight:** 44 to 56 ounces  
**Grips:** Soft rubber  
**Sights:** Adjustable  
**Misc:** Available with ported barrel with solid or vented ribs; in a bright blue or matte stainless finish  
**Price:** \$445 to \$525



**TYPE SD R C H**

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## TAURUS RAGING BULL SERIES

**Caliber:** 454 Casull, 44 Mag. or 45 long Colt  
**Capacity:** 5 or 6 rounds  
**Barrel Length:** 5", 6.5" or 8.4"  
**Weight:** 51 to 63 ounces  
**Grips:** Soft rubber  
**Sights:** Adjustable  
**Misc:** Features a key lock and ported barrel  
**Price:** \$575 (blue) to \$855 (matte stainless)



**TYPE SD R C H**

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## UBERTI 1873 BUCKHORN

**Caliber:** 44 Mag. or 44 Mag./44-40  
**Capacity:** 6 rounds  
**Barrel Length:** 4.75", 5.5" or 7.5"  
**Weight:** 38 ounces  
**Grips:** One-piece smooth walnut  
**Sights:** Blade front, groove rear; fully adjustable rear available  
**Price:** \$410 (steel backstrap) to \$475 (convertible)



**TYPE R C H**

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## UBERTI 1873 CATTLEMAN

**Caliber:** 22 LR/22 WMR, 38 Special, 357 Mag., 44 Special, 44-40 or 45 Colt/45 ACP convertible  
**Capacity:** 6 rounds  
**Barrel Length:** 4.75", 5.5" or 7.5", 44-40, 45 Colt also with 3", 3.5" and 4"  
**Weight:** 38 ounces  
**Grips:** One-piece smooth walnut  
**Sights:** Blade front, groove rear; fully adjustable rear available, Bisley model available  
**Price:** \$365 (brass backstrap) to \$435 (steel backstrap)

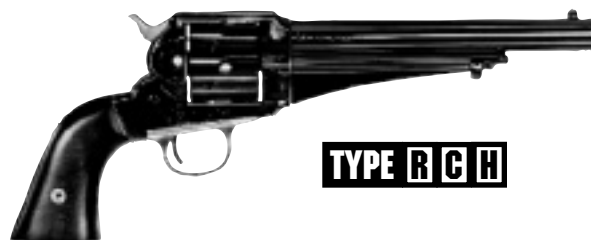


**TYPE R C H**

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## UBERTI 1875 ARMY OUTLAW

**Caliber:** 357 Mag., 44-40, 45 Colt or 45 Colt/45 ACP convertible  
**Capacity:** 6 rounds  
**Barrel Length:** 5.5", 7.5"  
**Weight:** 44 ounces  
**Grips:** Smooth walnut  
**Sights:** Blade front, notch rear  
**Price:** \$435 (blue) to \$475 (convertible)



**TYPE R C H**

---

## UBERTI 1890 ARMY OUTLAW

**Caliber:** 357 Mag., 44-40, 45 Colt or 45 Colt/45 ACP convertible  
**Capacity:** 6 rounds  
**Barrel Length:** 5.5" and 7.5"  
**Weight:** 37 ounces  
**Grips:** American walnut  
**Sights:** Blade front, groove rear  
**Price:** \$435 (blue) to \$475 (convertible)



**TYPE R C H**

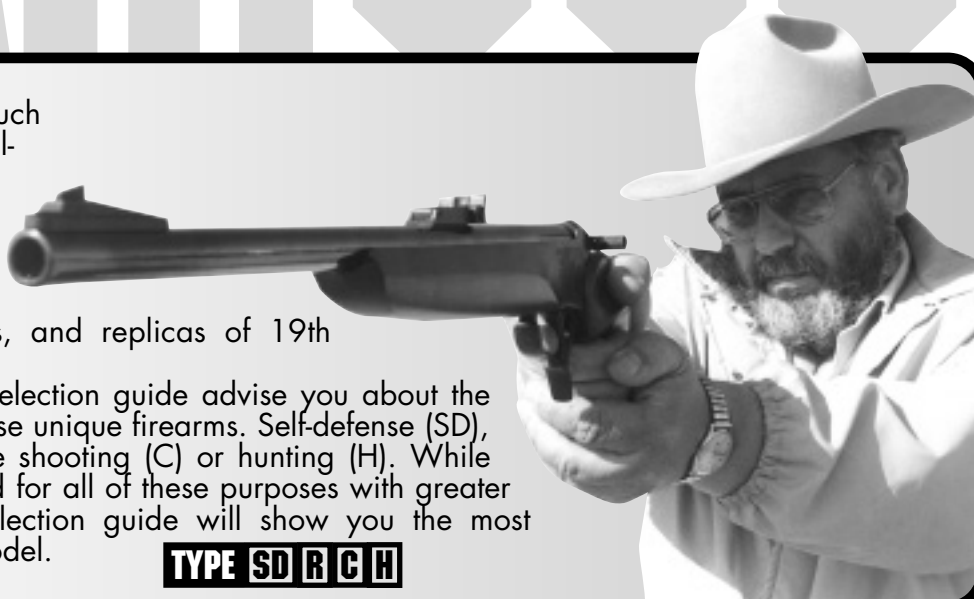


# VARIOUS

This category includes such things as highly specialized, extremely powerful single-shot handguns designed for hunting or long-range competitive shooting. Versatile multi-caliber single-shot pistols, and replicas of 19th century derringers.

Let the *Guns Combat* selection guide advise you about the most common uses for these unique firearms. Self-defense (SD), recreation (R), competitive shooting (C) or hunting (H). While most firearms can be used for all of these purposes with greater or lesser success, the selection guide will show you the most common uses for each model.

**TYPE SD R C H**



## AMERICAN DERRINGER MODEL 1, 7 & 10

**Caliber:** Available in almost any pistol caliber from 22 LR to 45-70 Gov't.  
**Capacity:** 2 rounds  
**Barrel Length:** 3"  
**Weight:** 7.5 (Model 7), 10 (Model 10 and 11) or 15.5 ounces (Model 1)  
**Grips:** Zebra or rosewood  
**Sights:** Blade front  
**Price:** \$260 to \$400



**TYPE SD R**

## AMERICAN DERRINGER MODEL 4

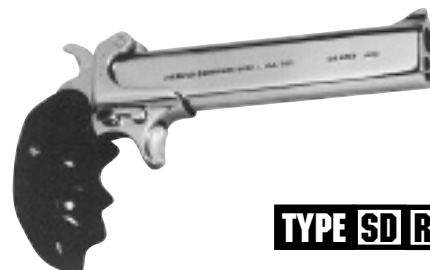
**Caliber:** 45 Colt/410 ga. (3" shells), 45-70, 44 Mag. or 357 Mag.  
**Capacity:** 2 rounds  
**Barrel Length:** 4.1"  
**Weight:** 16.5 ounces  
**Grips:** Rosewood  
**Sights:** Blade front  
**Price:** \$365 (45 Colt/410 ga.) to \$445 (44 Mag.)



**TYPE SD R**

## AMERICAN DERRINGER MODEL 6

**Caliber:** 22 WRM, 357 Mag., 45 ACP or 45 Colt/410 ga. (3")  
**Capacity:** 2 rounds  
**Barrel Length:** 6"  
**Weight:** 21 ounces  
**Grips:** Rosewood  
**Sights:** Blade front  
**Price:** \$365 to \$375 (45 Colt/410 ga.)



**TYPE SD R**

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## AMERICAN DERRINGER LADY DERRINGER

**Caliber:** 32 H&R Mag., 357 Mag., 38 Special, 45 Colt or 45/410  
**Capacity:** 2 rounds  
**Barrel Length:** 3"  
**Weight:** 15.5 ounces  
**Grips:** Scrimshawed synthetic ivory  
**Sights:** Blade front, Diamond ramp front on 14 kt. Engraved Model  
**Misc:** Fitted French jewelry box included  
**Price:** \$290 to \$365



**TYPE SD R**

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## AMERICAN DERRINGER DA 38

**Caliber:** 22 LR, 9mm Para., 38 Special, 357 Mag. or 40 S&W  
**Capacity:** 2 rounds  
**Barrel Length:** 3"  
**Weight:** 14.5 ounces  
**Grips:** Rosewood, walnut or other hardwoods  
**Sights:** Fixed  
**Price:** \$325 to \$365



**TYPE SD R**

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## BOND ARMS SUPER DEFENDER

**Caliber:** 450 Bond Super, 45 ACP, 45 Super  
**Capacity:** 2 rounds with rapid reload  
**Barrel Length:** 3" (interchangeable)  
**Weight:** 20 ounces  
**Grips:** Rosewood or black ash  
**Sights:** Blade front  
**Misc:** With removable trigger guard, additional interchangeable barrels from \$129  
**Price:** \$359



**TYPE SD R**

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## BOND ARMS CENTURY 2000(C2K) DEFENDER

**Caliber:** 410 shotshell, 45 Colt, 45 Schofield  
**Capacity:** 2 rounds with rapid reload  
**Barrel Length:** 3.5" (interchangeable)  
**Weight:** 21 ounces  
**Grips:** Rosewood or black ash  
**Sights:** Blade front  
**Misc:** With removable trigger guard, additional interchangeable barrels from \$129  
**Price:** \$379



**TYPE SD R**

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## BOND ARMS TEXAS DEFENDER

**Caliber:** 15 interchangeable calibers from 22 LR to 410 shotshell  
**Capacity:** 2 rounds with rapid reload  
**Barrel Length:** 3" (interchangeable)  
**Weight:** 20 ounces  
**Grips:** Rosewood or black ash  
**Sights:** Blade front  
**Misc:** With removable trigger guard, additional interchangeable barrels from \$129  
**Price:** \$359



**TYPE SD R**



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## BOND ARMS COWBOY DEFENDER

**Caliber:** 15 interchangeable calibers from 22 LR to 410 shotshell  
**Capacity:** 2 rounds with rapid reload  
**Barrel Length:** 3" (interchangeable)  
**Weight:** 19 ounces  
**Grips:** Rosewood or black ash  
**Sights:** Blade front  
**Misc:** Additional interchangeable barrels from \$129  
**Price:** \$359



**TYPE SD R**

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## BOND ARMS COWBOY CENTURY 2000(CCK) DEFENDER

**Caliber:** 410 shotshell, 45 Colt, 45 Schofield  
**Capacity:** 2 rounds with rapid reload  
**Barrel Length:** 3" (interchangeable)  
**Weight:** 20 ounces  
**Grips:** Rosewood or black ash  
**Sights:** Blade front  
**Misc:** Additional interchangeable barrels from \$129  
**Price:** \$379



**TYPE SD R**

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## DAVIS DERRINGER

**Caliber:** 22 LR, 22 WMR, 25 ACP or 32 ACP  
**Capacity:** 2 rounds  
**Barrel Length:** 2.4"  
**Weight:** 9.5 ounces  
**Grips:** Laminated wood or pearl  
**Sights:** Blade front, fixed notch rear  
**Price:** \$100



**TYPE SD R**

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## Downsizer WSP

**Caliber:** 45 ACP or 357 Magnum (Also fires 38 special)  
**Capacity:** Single shot  
**Barrel Length:** 2.1"  
**Weight:** 11 ounces  
**Grips:** Textured polymer  
**Sights:** None, smooth snag free top  
**Misc:** Overall size is smaller than a playing card  
**Price:** \$459



**TYPE SD R**

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## HAMMERLI 160/162 FREE PISTOLS

**Caliber:** 22 LR  
**Capacity:** 1 round  
**Barrel Length:** 11.3"  
**Weight:** 47 ounces  
**Grips:** Target style walnut  
**Sights:** Fully adjustable match rear, changeable front blade  
**Misc:** Model 160 has mechanical set trigger; Model 162 has electronic trigger; Precision target pistols for Free Pistol event of UIT competition; Imported by SIG Arms, Inc.  
**Price:** \$2,085 to \$2,295

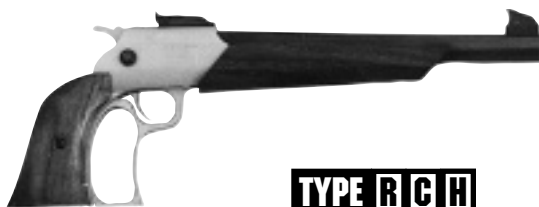


**TYPE R C**

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## M.O.A. MAXIMUM SINGLE SHOT

**Caliber:** Most calibers from 22 LR to 375 H&H  
**Capacity:** 1 round  
**Barrel Length:** 8.5", 10.5" or 14"  
**Weight:** 3 pounds, 8 ounces (8.5"); 3 pounds, 13 ounces (10.5"); 4 pounds, 3 ounces (14")  
**Grips:** Walnut  
**Sights:** Adjustable rear, post front  
**Misc:** Tapped and drilled for scope mount; extra barrels available  
**Price:** \$799 (blue) to \$883 (stainless)



**TYPE RCH**

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## PARDINI ARMS MOD K22 FREE PISTOL

**Caliber:** 22 LR  
**Capacity:** 1 round  
**Barrel Length:** 9.75"  
**Weight:** 34.6 ounces  
**Grips:** Wraparound walnut; adjustable match type  
**Sights:** Interchangeable post front, fully adjustable match open rear  
**Misc:** Imported by Nygord Precision Products  
**Price:** \$1,295



**TYPE RCH**

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## RPM XL SINGLE SHOT PISTOL

**Caliber:** Available in a wide variety of calibers from 22 LR to 45-70  
**Capacity:** 1 round  
**Barrel Length:** 8", 10.75", 12", 14" and 15"  
**Weight:** 60 ounces  
**Grips:** Smooth Goncalo Alves with thumb and heel rests  
**Sights:** Hooded front with interchangeable post or Patridge; ISGW rear adjustable.  
**Price:** \$1,600



**TYPE RCH**

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## SAVAGE STRIKER 516 SERIES

**Caliber:** 223 Rem., 22-250 Rem., 243 Win., 7mm-08 Rem., 308 Win.  
**Capacity:** 2 rounds  
**Barrel Length:** 12" barrel and 2" Adjustable muzzle brake  
**Weight:** 5.5, 5.75 pounds  
**Grips:** Synthetic or wood  
**Sights:** Drilled and tapped for scope mounts  
**Misc:** Stainless barreled action, left-hand bolt, right-side action  
**Price:** N/A



**TYPE RCH**

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## THOMPSON/CENTER ENCORE

**Caliber:** 22-250, 223, 7mm-08, 243, 308, 270, 30-'06 or 44 Mag.  
**Capacity:** 1 round  
**Barrel Length:** 12" and 15", tapered round  
**Weight:** 64 to 64.5 ounces  
**Grips:** Walnut with finger grooves, walnut forend  
**Sights:** Blade on ramp front, adjustable rear, or none  
**Price:** \$555 (12") to \$562 (15")  
\$611 (stainless) to \$619 (stainless)



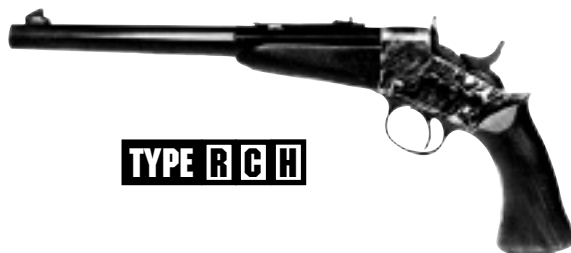
**TYPE RCH**



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## UBERTI ROLLING BLOCK

**Caliber:** 22 LR, 22 WMR, 22 Hornet, 357 Mag. or 45 Colt  
**Capacity:** 1 round  
**Barrel Length:** 9.9"  
**Weight:** 44 ounces  
**Grips:** Walnut grip and forend  
**Sights:** Fully adjustable rear, blade front  
**Price:** \$410

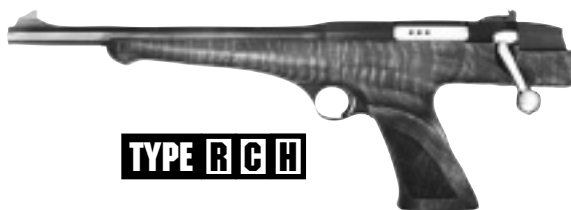


**TYPE R C H**

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## WICHITA CLASSIC SILHOUETTE

**Caliber:** All standard calibers with maximum overall length of 2.80"  
**Capacity:** 1 round  
**Barrel Length:** 11.25"  
**Weight:** 3 pounds 15 ounces  
**Grips:** AAA American walnut with oil finish, checkered  
**Sights:** Adjustable rear, post front  
**Price:** \$3,450



**TYPE R C H**

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## WICHITA INTERNATIONAL

**Caliber:** 22 LR, 22 WMR, 32 H&R Mag., 357 Mag., 357 Super Mag., 7R, 7mm Super Mag., 7-30 Waters or 30-30 Win.  
**Capacity:** 1 round  
**Barrel Length:** 10", 10.5" or 14"  
**Weight:** 3.125 pounds  
**Grips:** Walnut  
**Sights:** Adjustable rear, fixed front  
**Misc:** Stainless steel; extra barrels available  
**Price:** \$775 to \$875



**TYPE R C H**

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## WICHITA SILHOUETTE BOLT ACTION

**Caliber:** All standard calibers with maximum overall length of .280"  
**Capacity:** 1 round  
**Barrel Length:** 14.94"  
**Weight:** 4.5 pounds  
**Grips:** Walnut with oil finish  
**Sights:** Wichita Multi-Range sight system  
**Price:** \$1,800



**TYPE R C H**

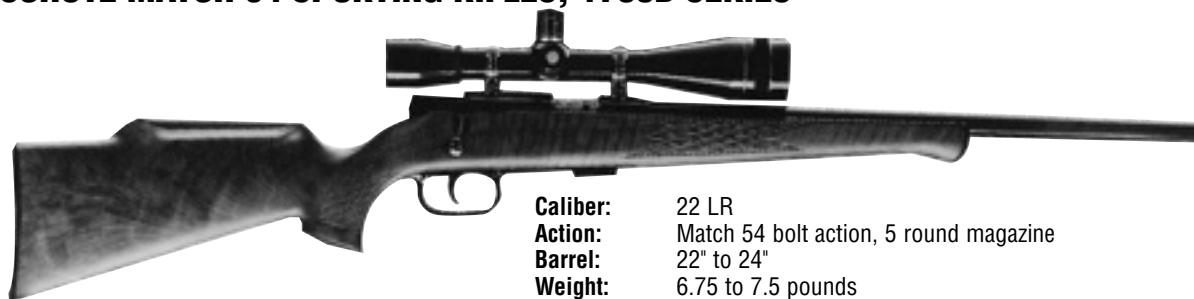
# RIFLES



Rifles of all descriptions are here for your examination. Trim rimfires to train your youngsters, the best of potent, modern bolt action hunting rifles, historic recreations of rifles from the frontier, and phenomenally accurate competition and precision rifles. You'll find single-shot, lever action, pump, bolt action and semiautomatic designs to choose from. Classic blued steel and walnut as well as tough stainless and synthetic designs. Riflemen have never before been offered such variety, and the choice is yours!

## BOLT ACTION & SINGLE-SHOT RIMFIRE RIFLES

### ANSCHUTZ MATCH 54 SPORTING RIFLES, 1700D SERIES



<b>Caliber:</b>	22 LR
<b>Action:</b>	Match 54 bolt action, 5 round magazine
<b>Barrel:</b>	22" to 24"
<b>Weight:</b>	6.75 to 7.5 pounds
<b>Length:</b>	42.5"
<b>Stock:</b>	European walnut or black fiberglass with Monte Carlo comb
<b>Finish:</b>	Blue
<b>Price:</b>	POR
<b>Misc</b>	Meistergrade model features select walnut stock and gold engraved trigger guard. Manufactured in Germany by Anschutz. Imported by AcuSport. Many models available.

### ANSCHUTZ 1827B BIATHLON RIFLES



<b>Caliber:</b>	22 LR
<b>Action:</b>	Super Match 54, with Fortner straight pull bolt,
<b>Barrel:</b>	21.5", designed for subfreezing weather
<b>Weight:</b>	8.5 pounds with sights
<b>Length:</b>	42.5"
<b>Stock:</b>	European walnut
<b>Finish:</b>	Blued or stainless
<b>Price:</b>	\$1,500 to \$2,395 (left-hand with sights)
<b>Misc:</b>	Includes biathlon sights with snow covers, biathlon butthook, adjustable buttplate, nine-way adjustable trigger, adjustable hand-stop rail, and four five-shot clips. Optional sight set. Imported from Germany by Accuracy International, Gunsmithing, Inc.



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## ANSCHUTZ 1903D INTERMEDIATE MATCH RIFLES



**Caliber:** 22 LR  
**Action:** Match 64, single shot, grooved receiver  
**Barrel:** 25.5"  
**Weight:** 10.1 pounds  
**Length:** 43.75"  
**Stock:** Walnut-finished hardwood  
**Finish:** Blue  
**Price:** \$720 to \$758 (left-hand)  
**Misc:** Two stage adjustable trigger, adjustable cheekpiece. Imported from Germany by Accuracy International, Gunsmithing, Inc.

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## EAA/WEIHRAUCH HW660 MATCH RIFLE



**Caliber:** 22 LR  
**Action:** Bolt  
**Barrel:** 26"  
**Weight:** 10.7 pounds  
**Length:** 45.33"  
**Stock:** Stippled European walnut or laminate  
**Finish:** Grayed  
**Price:** \$999 to \$1,159 (laminate stock)  
**Misc:** Two stage adjustable trigger, stippled pistol grip and forend, external thumb safety. Imported from Germany by European American Armory.

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## KIMBER 22 RIMFIRE RIFLES



**Caliber:** 22 LR  
**Action:** All New Bolt Action, 5-round magazine, Mauser claw extractor  
**Barrel:** 22" Sporter, 24" fluted medium (HS), 18" fluted stainless bull (SVT)  
**Weight:** 6.5 to 7.5 pounds  
**Length:** 36.5" to 42.5"  
**Stock:** American, claro, AAA claro or gray laminate  
**Finish:** Satin  
**Price:** \$814 to \$1,560  
**Misc:** Made in USA, 2-position Model 70-type safety, receiver drilled off-center so firing pin is concentric in bolt, fully adjustable trigger, pillar bedding, free floated match grade barrel.

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## MARLIN MODELS 17 AND 17VS



<b>Caliber:</b>	17 HMR
<b>Action:</b>	Bolt action
<b>Barrel:</b>	22" heavy barrel
<b>Weight:</b>	Approx. 7 pounds
<b>Length:</b>	41"
<b>Stock:</b>	Laminated black/grey hardwood Monte Carlo stock
<b>Finish:</b>	Blued Steel and Stainless(17VS)
<b>Price:</b>	\$263 to \$392 (17VS)
<b>Misc:</b>	Includes scope ring mounts and safety lock.

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## MARLIN BOLT ACTION RIMFIRE RIFLES



<b>Caliber:</b>	22 LR (880, 880SS, 880SQ, 81TS, 25N), 22 WMR (882, 882SS, 882L, 883, 883SS, 25MN), 22 S, L, LR (15YN)
<b>Action:</b>	Bolt action repeaters (880, 81TS, 25N) and single shot (15YN)
<b>Capacity:</b>	880S, 882S, 25N, 25MN: 7-shot clip; 883S: 12-shot tubular; 81TS: 17-shot tubular
<b>Barrel:</b>	22" Micro-Groove (15YN: 16.25")
<b>Weight:</b>	5.5 to 7 pounds (15YN: 4.25 pounds)
<b>Length:</b>	41" (15YN: 33.25")
<b>Stock:</b>	Press checkered black walnut, walnut or black synthetic (SS, SQ, 81TS)
<b>Finish:</b>	Blue and stainless steel
<b>Price:</b>	\$204 (15YN) to \$322 (880SQ)
<b>Misc:</b>	Micro-Groove barrels, Mar-Shield finish, Wide-Scan ramp front sights with adjustable rear sights.

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## MARLIN MODEL 882SSV



<b>Caliber:</b>	22 Win. Mag.
<b>Action:</b>	Bolt action, 7-shot clip
<b>Barrel:</b>	Heavy 22" Micro-Groove
<b>Weight:</b>	7 pounds
<b>Length:</b>	41"
<b>Stock:</b>	Monte Carlo black fiberglass-filled synthetic with nickel-plated swivel studs and molded-in checkering
<b>Finish:</b>	Stainless steel
<b>Price:</b>	\$330
<b>Misc:</b>	Stainless steel barrel, receiver, front breech bolt, striker knob and trigger stud. No sights are provided; receiver grooved for scope mounts, 1" ring mounts provided, safety lock included.

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## REMINGTON MODEL 40-XRBR KS



**Caliber:** 22 LR  
**Action:** Single shot, bolt action  
**Barrel:** 24"  
**Weight:** 9.75 pounds  
**Length:** 40"  
**Stock:** Kevlar reinforced fiberglass (Remington green)  
**Finish:** Unblued stainless  
**Price:** \$1,866  
**Misc:** Drilled and tapped for scope mounting and or receiver sights. Externally adjustable trigger. From Remington Custom Shop. Also available: 40-XR Custom Sporter in 22 LR & WMR (\$3,333)

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## RUGER MODEL 77/22 AND 77/17 RIFLES



**Caliber:** 22 LR, 22 Magnum and 17 HMR  
**Action:** Bolt, rotary magazine fed  
**Capacity:** 10 (LR) or 9 (WMR) Detachable Rotary Magazine  
**Barrel:** 20" to 24"  
**Weight:** 6 pounds  
**Length:** 39.25"  
**Stock:** Walnut, all-weather synthetic polymer or Laminate  
**Finish:** Blued or stainless  
**Price:** \$565 to \$585  
**Misc:** Available with or without sights, 1" Ruger rings included. The All-Weather model is stainless steel with a synthetic stock. Three position safety and sling swivels.

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## SAVAGE MARK II-FSS & MARK II-LV



**Caliber:** 22 LR  
**Action:** Bolt action  
**Capacity:** 10 shot magazine  
**Barrel:** 20.5" (FSS); 21" heavy (LV)  
**Weight:** 5 pounds (FSS); 6.5 pounds (LV)  
**Length:** 39.5" (FSS); 39.75" (LV)  
**Stock:** Graphite/polymer (FSS); Checkered laminated hardwood (LV)  
**Finish:** Stainless (FSS); Machined blue (LV)  
**Price:** \$179 (FSS); \$235 (LV)  
**Misc:** Dovetailed receiver for scope mounting. FSS has bead front sight and adjustable open rear sight. LV is precision button rifled with recessed target style muzzle. Other models available.

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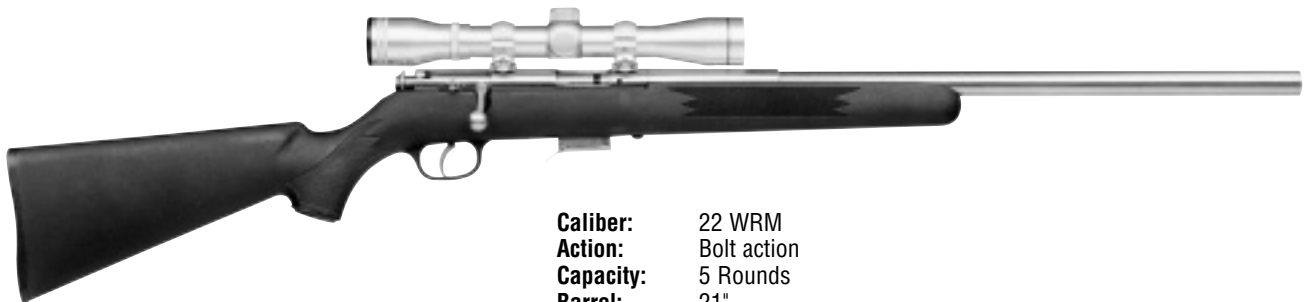
## SAVAGE STEVENS FAVORITE



**Caliber:** 22 LR, 22 WRM, 17 HRM  
**Action:** Falling Block action  
**Capacity:** Single shot  
**Barrel:** 21"  
**Weight:** 4.25 pounds  
**Length:** 36.75"  
**Stock:** American walnut  
**Finish:** Blue  
**Price:** \$214 to \$251  
**Misc:** Sights: Adjustable rear, post front. Full or half octagon barrel dependent upon model.

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## SAVAGE MODEL 93 SERIES



**Caliber:** 22 WRM  
**Action:** Bolt action  
**Capacity:** 5 Rounds  
**Barrel:** 21"  
**Weight:** 5 to 6 pounds  
**Length:** 39.75"  
**Stock:** Black synthetic or walnut finished hardwood  
**Finish:** Stainless or blue  
**Price:** \$166 to \$274  
**Misc:** Drilled and tapped for scope mounting. Models other than heavy barrel varmint feature bead front sight and adjustable open rear sight. Other models available.

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## SPRINGFIELD M6 SCOUT RIFLE



**Caliber:** 22 LR/410 gauge combo ( 22 Hornet/410 combo optional)  
**Action:** Single-shot  
**Barrel:** 18.25"  
**Weight:** 36 ounces  
**Length:** 32"  
**Finish:** Parkerized or stainless steel  
**Price:** \$185 (Parkerized); \$219 (stainless)  
**Misc:** The Scout take-down survival rifle comes in a cardboard box. Features include a special lift-up stock compartment on rifle for storing extra ammunition and a front and rear sight by Savage Arms, Inc.



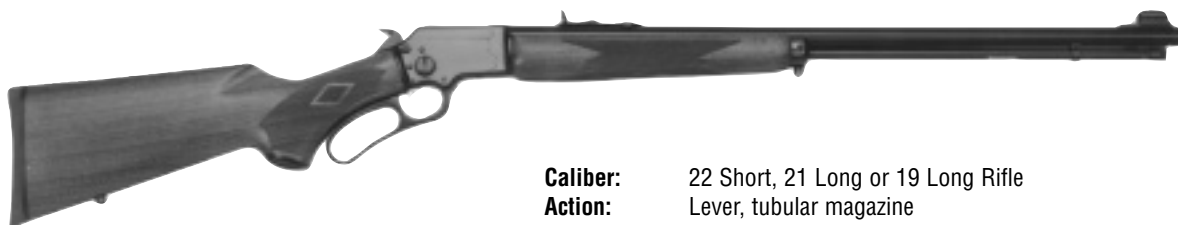
# LEVER ACTION RIMFIRE RIFLES

## BROWNING BL-22 LEVER ACTION RIFLE



**Caliber:** 22 Short, Long or Long Rifle  
**Action:** Short throw lever  
**Capacity:** 15 (LR), 17 (L) or 22 rounds (S)  
**Barrel:** 20" round tapered  
**Weight:** 5 pounds  
**Length:** 36.75"  
**Stock:** Walnut, two-piece straight grip Western-style  
**Finish:** Blue  
**Price:** Basic and Classic models – Grade I: \$423; Grade II: \$480  
**Misc:** Receiver grooved for tip-off scope mounts, half-cock safety.

## MARLIN MODELS 39A LEVER ACTION RIFLE



**Caliber:** 22 Short, 21 Long or 19 Long Rifle  
**Action:** Lever, tubular magazine  
**Barrel:** 24" MicroGroove  
**Weight:** 6.5 pounds  
**Length:** 40"  
**Stock:** American black walnut with cut checkering  
**Finish:** MarShield  
**Price:** \$540  
**Misc:** One step take-down, side eject, holds up to 19 LRs, 21 Longs and 26 Shorts. Adjustable sights. Drilled and tapped for mounts.

## WINCHESTER MODEL 9422 RIFLES



**Caliber:** 22 Short, Long and Long Rifle or 22 WMR  
**Action:** Side eject lever  
**Capacity:** 15 (LR), 17 (L) or 21 (S); Trapper: 11 (LR), 12 (L) or 15 (S)  
**Barrel:** 16.5" (Trapper only) to 20.5"  
**Weight:** 5.5 to 6.25 pounds  
**Length:** 33.125"(Trapper) to 37.125"  
**Stock:** American walnut or laminated, straight grip  
**Finish:** Blue  
**Price:** \$437 to \$488 (Legacy 22 WMR)  
**Misc:** Receiver grooved for scope mounting, open sights (hooded front).

# PUMP ACTION RIMFIRE RIFLES

## REMINGTON MODEL 572 BDL DELUXE FIELDMASTER



**Caliber:** 22 Short, Long, Long Rifle  
**Action:** Pump, tubular magazine fed (capacity: 15 in LR)  
**Barrel:** 21"  
**Weight:** 5.5 pounds  
**Length:** 40"  
**Stock:** Walnut Monte Carlo with cut checkering  
**Finish:** Blue  
**Price:** \$399  
**Misc:** Receiver grooved for scope mounts, high gloss stock, and big game sights. Made in U.S.A.

## TAURUS MODELS 62 SA & 62 SAC / 72SA & 72 SAC



**Caliber:** 22 LR, 22 WMR, 22 Mag.  
**Action:** Pump-action, takedown, tubular magazine  
**Barrel:** 23" round or octagonal (16.25" Carbine)  
**Weight:** 5.75 pounds  
**Length:** 39.25"  
**Stock:** Walnut, straight grip, grooved forend  
**Finish:** Stainless steel or case-hardened blue  
**Price:** \$280 to \$295  
**Misc:** Capacities: 10 (WMR), 14 (LR), 16 (L) or 20 (S). Manufactured in Brazil by Taurus. Bolt mounted firing pin block, Taurus security system in hammer, serrated ramp front & adjustable rear sights.

# SEMI-AUTOMATIC RIMFIRE RIFLES

## BROWNING SEMI-AUTO 22 RIFLE



**Caliber:** 22 LR, 11-shot  
**Action:** Blowback, buttstock fed, bottom eject  
**Barrel:** 19.25"  
**Weight:** 4.75 pounds  
**Length:** 37"  
**Stock:** Select checkered walnut with pistol grip & semi-beavertail forend  
**Finish:** Blue or gray (gray in Grade VI only)  
**Price:** \$489 (\$1,049 VI)  
**Misc:** Grade VI is extensively engraved and gold-plated. Manufactured in Japan. Imported by Browning.



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## BROWNING BUCK MARK



<b>Caliber:</b>	22
<b>Action:</b>	Straight blowback design
<b>Capacity:</b>	10-round magazine Interchangeable with Buck Mark pistol
<b>Barrel:</b>	18"
<b>Weight:</b>	5.8 to 7.6 pounds
<b>Length:</b>	33.5"
<b>Stock:</b>	Classic model available with laminated stock
<b>Price:</b>	\$528 to \$544
<b>Misc:</b>	Integral rail scope mount. Sporter model features tapered sporter barrel. Target models feature a heavy bull barrel.

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## CALICO MODEL M100FS RIFLE



<b>Caliber:</b>	22 LR
<b>Action:</b>	Blowback, magazine fed
<b>Capacity:</b>	100 round helical magazine
<b>Barrel:</b>	16.25"
<b>Weight:</b>	5 pounds
<b>Length:</b>	36"
<b>Stock:</b>	Glass-filled polymer
<b>Finish:</b>	Black
<b>Price:</b>	\$650
<b>Misc:</b>	Features include a lightweight aluminum frame, ambidextrous safety and easy take-down.

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## MARLIN MODEL 60 & 60SS RIFLES



<b>Caliber:</b>	22 LR
<b>Action:</b>	Semi-automatic (last shot hold-open)
<b>Capacity:</b>	14-shot tubular magazine
<b>Barrel:</b>	22" round tapered
<b>Weight:</b>	5.5 pounds
<b>Length:</b>	40.5"
<b>Stock:</b>	Press-checked Monte Carlo walnut finished hardwood (60) and Monte Carlo laminated two-tone black/grey hardwood (60ss).
<b>Finish:</b>	Blue or stainless steel
<b>Price:</b>	\$181 to \$290
<b>Misc:</b>	Receiver grooved for scope mounts. Safety lock included.

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## MARLIN MODELS 795 AND 7000



- Caliber:** 22 LR  
**Action:** Semi-automatic self loader, 10-round magazine with last shot bolt hold-open  
**Capacity:** 795: 18" standard with 16-groove Micro-Groove  
7000: 18" heavy with 16-groove Micro-Groove  
**Barrel:** 22" round tapered  
**Weight:** 4.5 pounds (795), 5.25 pounds (7000)  
**Length:** 37"  
**Stock:** Monte Carlo black fiber glass-filled synthetic with molded-in checkering and swivel studs  
**Price:** \$173 (795), to \$245 (7000)  
**Misc:** Model 795 comes with screw adjustable open rear sight and ramp front sight with brass bead, grooved receiver. Model 7000 comes without sights, includes 1" scope ring mounts.

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## MARLIN MODELS 70PSS RIFLE



- Caliber:** 22 LR  
**Action:** Semi-automatic, side eject, manual hold-open  
**Capacity:** 7-shot magazine  
**Barrel:** 16.25  
**Weight:** 3.25 pounds  
**Length:** 35.25"  
**Stock:** Monte Carlo black fiber glass-filled synthetic with nickel-plated swivel studs, moulded-in checkering  
**Finish:** Blue or stainless steel  
**Price:** \$297  
**Misc:** The 70PSS is a take down (removable barrel) model with grooved receivers, adjustable rear sights and ramp front. Safety lock included.

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## REMINGTON MODEL 552 BDL SPEEDMASTER



- Caliber:** 22 Short, Long and Long Rifle  
**Action:** Semi-automatic, tubular magazine fed  
**Capacity:** 20-shot (S), 17-shot (L), 15-shot (LR)  
**Barrel:** 21"  
**Weight:** 5.75 pounds  
**Length:** 40"  
**Stock:** Walnut  
**Finish:** Blue  
**Price:** \$385  
**Misc:** High gloss finished stock; receiver is grooved for scope mounts and big game sights.



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## REMINGTON M597 AUTOLOADING RIMFIRE RIFLE



- Caliber:** 22 LR, 22 Win. Mag.  
**Action:** Semi-automatic; carbon or stainless steel with alloy receiver  
**Capacity:** Staggered clip magazine (10-LR, 8-WMR)  
**Barrel:** 20", free floated  
**Stock:** Synthetic, laminated hardwood  
**Finish:** Matte black or satin  
**Price:** \$163 to \$399  
**Misc:** Pistol grip, beaver-style forend with finger grooves. Unique bolt guidance system of twin steel rails; redesigned trigger; grooved for standard tip-off mounts, drilled and tapped for Weaver-type bases, adjustable open sights. Available in basic 597, 597LSS, 597SS, Magnum, Magnum LS and New Target Grade Models.

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## RUGER 10/22 RIFLES



- Caliber:** 22 LR, 22 mag  
**Action:** Auto-loading  
**Capacity:** 10-shot rotary magazine, 9 shot (Mag)  
**Barrel:** 18.5" to 20" (Target)  
**Weight:** 5 to 7.5 (Target) pounds  
**Length:** 37.25" to 38.5"  
**Stock:** American hardwood, walnut (DSP), laminated (Target), synthetic (P)  
**Finish:** Blue or stainless  
**Price:** \$239 to \$649  
**Misc:** Models available: 10/22RB, 10/22RP, 10/22 DSP Deluxe Sporter, 10/22 RBI International Carbine with full-length International-style stock, 10/22 RBM 22 Mag. with a 9-shot rotary magazine, 10/22 T Target with blued, hammer-forged spiral finished barrel, K10/22 RPF "all weather" with black Synthetic stock, K10/ 22RB, K10/22 RBI, K10/22 TNZ and K10/22 T with a stainless steel finish and a laminate stock. All models feature sights (except T models) and can receive tip-off scope mounts.

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## SAVAGE MODEL 64F



- Caliber:** 22 LR  
**Action:** Semi-automatic  
**Capacity:** 10-shot clip magazine  
**Barrel:** 20"  
**Weight:** 5.5 pounds  
**Length:** 40"  
**Stock:** Black synthetic  
**Finish:** Blue  
**Price:** \$124  
**Misc:** Side eject; manual bolt hold open and thumb operated safety; front bead sight and adjustable open rear sight.

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## TAURUS MODEL 63



<b>Caliber:</b>	22 LR
<b>Action:</b>	Semi-automatic
<b>Barrel:</b>	23"
<b>Weight:</b>	6 pounds
<b>Length:</b>	32.5"
<b>Stock:</b>	Hand fitted hardwood stock and forend
<b>Finish:</b>	Blued or polished stainless
<b>Price:</b>	\$335
<b>Misc:</b>	Adjustable rear sight and post front. Tang sight available. Faithfull recreation of the Winchester model 63 take-down rifle.

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## THOMPSON/CENTER 22 LR CLASSIC



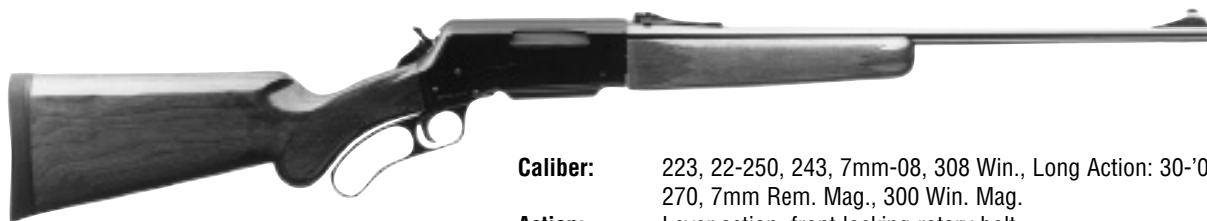
<b>Caliber:</b>	22 LR
<b>Action:</b>	Semi-automatic
<b>Barrel:</b>	22"
<b>Weight:</b>	5.5 pounds
<b>Length:</b>	39.5"
<b>Stock:</b>	Solid American walnut with Monte Carlo satin finish
<b>Finish:</b>	Blued steel
<b>Price:</b>	\$335
<b>Misc:</b>	Adjustable steel rear sight and ramp front. Sling, swivel studs and trigger guard safety lock included.

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# LEVER ACTION CENTERFIRE RIFLES

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## BROWNING LIGHTNING BLR



<b>Caliber:</b>	223, 22-250, 243, 7mm-08, 308 Win., Long Action: 30-'06, 270, 7mm Rem. Mag., 300 Win. Mag.
<b>Action:</b>	Lever action, front locking rotary bolt
<b>Capacity:</b>	4-shot detachable magazine
<b>Barrel:</b>	20", 22" (270 and 30-'06) or 24" (7mm Rem. Mag.)
<b>Weight:</b>	6.8 pounds to 7.75 pounds
<b>Length:</b>	39.5" to 42.8"
<b>Stock:</b>	Walnut, pistol grip type stock
<b>Finish:</b>	Blue
<b>Price:</b>	\$681 to \$721
<b>Misc:</b>	All calibers available with open sights.

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## CIMARRON 1860 HENRY REPLICA



<b>Caliber:</b>	44 WCF, 45 Colt
<b>Action:</b>	Lever
<b>Capacity:</b>	13-shot magazine
<b>Barrel:</b>	Carbine: 22"; Rifle: 24.25"
<b>Weight:</b>	9.5 pounds
<b>Length:</b>	43"
<b>Stock:</b>	European walnut
<b>Finish:</b>	Blue
<b>Price:</b>	\$1,029
<b>Misc:</b>	Original Henry loading system, brass receiver and buttplate.

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## CIMARRON 1873 WINCHESTER CARBINE REPLICAS



<b>Caliber:</b>	357 Magnum, 32-20, 44 WCF, 45 Colt. 38 WCF, 44 Spl.
<b>Action:</b>	Lever
<b>Barrel:</b>	Carbine: 19"
<b>Weight:</b>	9 pounds
<b>Length:</b>	43"
<b>Stock:</b>	European walnut
<b>Finish:</b>	Blue
<b>Price:</b>	\$949
<b>Misc:</b>	Introduced in 1991.

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## CIMARRON ARMS 1873 SPORTING MODELS



<b>Caliber:</b>	357 Magnum, 32-20, 44-40, 45 Colt, 38 WCF, 44 Spl.
<b>Action:</b>	Lever
<b>Barrel:</b>	19", 20", 24", 30" Tapered octagon
<b>Weight:</b>	7.5 to 8.5 pounds
<b>Length:</b>	39" to 48"
<b>Stock:</b>	Walnut
<b>Finish:</b>	Color case-hardened/blue
<b>Price:</b>	\$949 to \$1,149
<b>Misc:</b>	All Cimarron 1873 Models feature original markings including caliber markings on barrel and elevator, Model 1873 markings on tang, and Kings patent marking on the barrels.

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## EMF 1860 HENRY RIFLE



**Caliber:** 44-40, 44 Rimfire  
**Action:** Lever  
**Barrel:** 24.25"  
**Weight:** 9 pounds  
**Length:** 43.75"  
**Stock:** American walnut  
**Finish:** Brass & blue steel  
**Price:** \$875  
**Misc:** First patented by B. Tyler Henry under Oliver Winchester, this is an authentic reproduction. Brass frame and buttplate. Imported by EMF Company, Inc.

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## EMF MODEL 73 RIFLE & CARBINE



**Caliber:** 357 Magnum, 44-40, 45 Colt  
**Action:** Lever  
**Barrel:** Carbine: 19"; Rifle: 24"  
**Weight:** 8 pounds  
**Length:** Carbine: 38.25"; Rifle: 43.25"  
**Stock:** European walnut  
**Finish:** Blue on carbine, color case-hardened on rifle  
**Price:** \$850 to \$865

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## EMF MODEL 1866 YELLOWBOY RIFLE & CARBINE



**Caliber:** 38 Special, 44-40  
**Action:** Lever action  
**Barrel:** Carbine: 19"; Rifle: 24"  
**Weight:** 9 pounds  
**Length:** 38" to 43"  
**Stock:** European walnut  
**Finish:** Brass frame with blued barrel, lever, hammer and buttplate  
**Price:** \$675 to \$690



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## EMF MODEL 1892 HARTFORD



**Caliber:** 45 Colt  
**Action:** Lever action  
**Barrel:** 24", octagon  
**Weight:** 7.5 pounds  
**Length:** 43"  
**Stock:** European walnut  
**Finish:** Blue or case-hardened  
**Price:** \$590  
**Misc:** Exact reproduction of the Winchester Model 1892. Imported by EMF.

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## MARLIN 444P OUTFITTER



**Caliber:** 444 Marlin  
**Action:** Lever action, 5 round tubular magazine  
**Barrel:** 18.5"  
**Weight:** Approx. 7 pounds  
**Length:** 37"  
**Stock:** Straight-grip genuine American black walnut with MarShield  
**Finish:** Blue  
**Price:** \$631  
**Misc:** Adjustable folding semi-buckhorn rear, ramp front sight with brass bead and Wide-Scan hood; receiver tapped for scope mount, offset hammer spur for scope use — works right or left.

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## MARLIN 336C LEVER ACTION CARBINE



**Caliber:** 30-30 or 35 Remington  
**Action:** Lever  
**Capacity:** 6-shot tubular magazine  
**Barrel:** 20" Micro-Groove  
**Weight:** 7 pounds  
**Length:** 38.5"  
**Stock:** Checkered American black walnut pistol grip stock  
**Finish:** Mar-Shield  
**Price:** \$518  
**Misc:** Marlin's "no frills" 336AS, similar to the 336, available for \$429.

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## MARLIN 444 LEVER ACTION SPORTER & 1895 LEVER ACTION RIFLE



**Caliber:** 444 Marlin (444) or 45-70 Gov't (1895)  
**Action:** Lever, side eject  
**Capacity:** 444: 5-shot tubular Mag.; 1895: 4-shot tubular Mag.  
**Barrel:** 444: 22"; 1895: 22"  
**Weight:** 7.5 pounds  
**Length:** 40.5"  
**Stock:** Checkered American black walnut pistol grip stock  
**Finish:** Mar-shield  
**Price:** \$618  
**Misc:** Receiver tapped for scope mount, offset hammer spur, hammer-block safety and rubber buttpad included.

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## MARLIN 1894 COWBOY COMPETITION



**Caliber:** 38 Special  
**Action:** Lever action, 10 round tubular magazine  
**Barrel:** 20" tapered octagon barrel with deep-cut Ballard-type rifling  
**Weight:** Approx. 6 pounds  
**Stock:** Straight-grip genuine American black walnut with MarShield  
**Finish:** Blued fore-end cap, color case hardened receiver, lever and bolt  
**Price:** \$965  
**Misc:** Factory-tuned for competitive Cowboy Action Shooting.

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## MARLIN 1895GS



**Caliber:** 45-70 Government  
**Action:** Lever action, 4 round tubular magazine  
**Barrel:** 18.5"  
**Weight:** Approx. 7 pounds  
**Length:** 37"  
**Stock:** Straight-grip black walnut with cut checkering and MarShield  
**Finish:** Stainless steel  
**Price:** \$744  
**Misc:** Adjustable folding semi-buckhorn rear, ramp front sight with brass bead and Wide-Scan hood; receiver tapped for scope mount, offset hammer spur for scope use – works right or left.



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## MARLIN MODEL 1894 COWBOY



**Caliber:** 45 Colt, 357 Mag./38 Spl. or 44 Mag/44 Spl.  
**Action:** Lever, side eject  
**Capacity:** 10-shot tubular magazine  
**Barrel:** 24" tapered octagon with deep-cut Ballard-type rifling  
**Weight:** 7.5 pounds  
**Length:** 41.5"  
**Stock:** Straight grip, American black walnut  
**Finish:** Mar-Shield  
**Price:** \$802  
**Misc:** Built to meet the needs of Cowboy Action Shooting with an adjustable Marble semi-buckhorn rear and Marble carbine front sight. Other features include a squared finger lever, straight grip stock, blued steel forend tip. Safety lock included.

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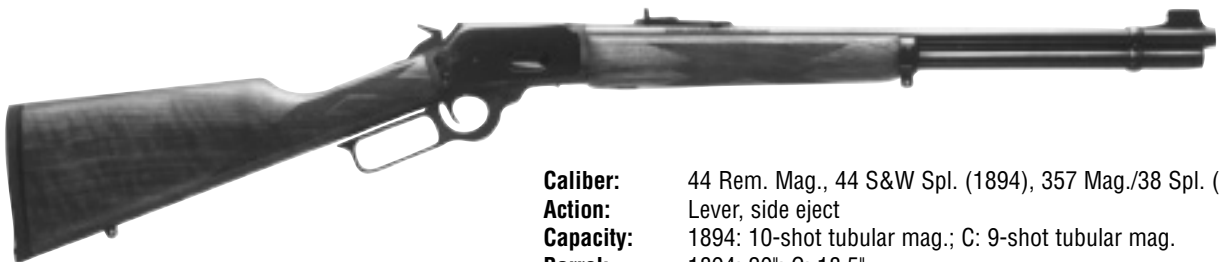
## MARLIN 1895 COWBOY



**Caliber:** 45-70 Government  
**Action:** Lever action, 9 round tubular magazine  
**Barrel:** 26" tapered octagon barrel with deep-cut Ballard-type rifling  
**Weight:** Approx. 8 pounds  
**Length:** 44.5"  
**Stock:** Straight-grip genuine American black walnut with MarShield  
**Finish:** Blued  
**Price:** \$802  
**Misc:** Adjustable Marble semi-buckhorn rear, Marble carbine front sight; receiver tapped for scope mount; offset hammer spur for scope use – works right or left.

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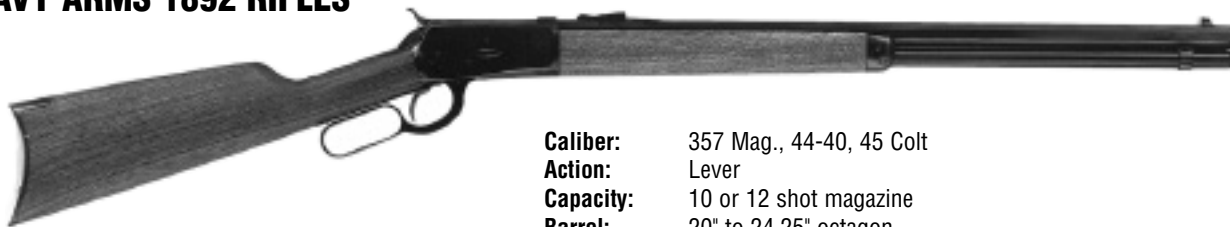
## MARLIN 1894, 1894 C, and 1894SS MODELS



**Caliber:** 44 Rem. Mag., 44 S&W Spl. (1894), 357 Mag./38 Spl. (C)  
**Action:** Lever, side eject  
**Capacity:** 1894: 10-shot tubular mag.; C: 9-shot tubular mag.  
**Barrel:** 1894: 20"; C: 18.5"  
**Weight:** 6 pounds  
**Length:** 1894: 37.5"; C: 36"  
**Stock:** Straight grip, American black walnut, cut checkering  
**Finish:** Mar-shield  
**Price:** \$544 and \$665(Stainless Steel)  
**Misc:** All receivers drilled and tapped and include an offset hammer spur. Safety lock included.

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## NAVY ARMS 1892 RIFLES



<b>Caliber:</b>	357 Mag., 44-40, 45 Colt
<b>Action:</b>	Lever
<b>Capacity:</b>	10 or 12 shot magazine
<b>Barrel:</b>	20" to 24.25" octagon
<b>Weight:</b>	5.75, 6.25 to 7 pounds
<b>Length:</b>	37.75" to 42"
<b>Stock:</b>	American walnut
<b>Finish:</b>	Blue, polished brass, color case-hardened or stainless
<b>Price:</b>	\$515 to \$585
<b>Misc:</b>	Available in 1892 Carbine, 1892 Short Rifle and 1892 Stainless. Imported by Navy Arms.

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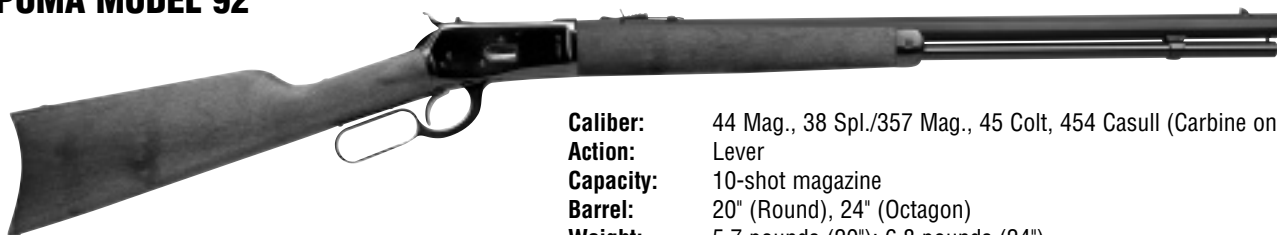
## NAVY ARMS HENRY RIFLES



<b>Caliber:</b>	44-40
<b>Action:</b>	Lever
<b>Capacity:</b>	12-shot magazine
<b>Barrel:</b>	16.5" (Trapper), 22" (Carbine), 24.25" (military)
<b>Weight:</b>	7.5 to 9.25 pounds
<b>Length:</b>	41"
<b>Stock:</b>	European walnut
<b>Finish:</b>	Blue or color case-hardened, polished brass
<b>Price:</b>	\$989 to \$1,035 (Iron Frame Henry)
<b>Misc:</b>	Imported from Italy. Comes in Military, Carbine, Trapper or Iron Frame model types. Military Henry also available in 45 Colt.

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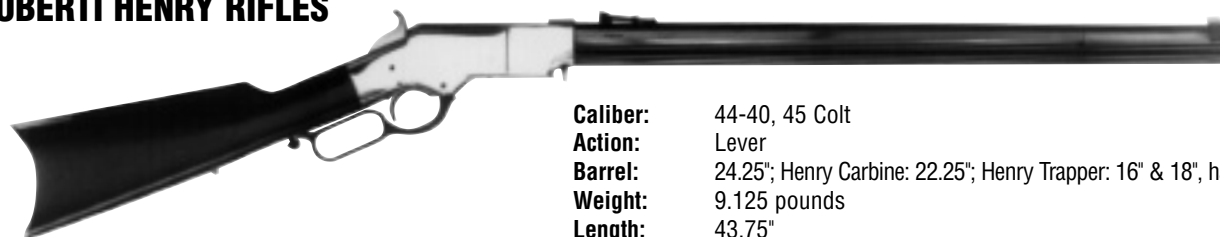
## PUMA MODEL 92



<b>Caliber:</b>	44 Mag., 38 Spl./357 Mag., 45 Colt, 454 Casull (Carbine only)
<b>Action:</b>	Lever
<b>Capacity:</b>	10-shot magazine
<b>Barrel:</b>	20" (Round), 24" (Octagon)
<b>Weight:</b>	5.7 pounds (20"); 6.8 pounds (24")
<b>Stock:</b>	Brazilian hardwood
<b>Finish:</b>	Blued, stainless, brass or case-hardened
<b>Price:</b>	\$407 to \$462 (20"); \$500 to \$561 (24")
<b>Misc:</b>	Fixed front and adjustable rear sights, 3-piece Buckhorn sight set available for \$29.95. From Legacy Sports International.

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## UBERTI HENRY RIFLES



<b>Caliber:</b>	44-40, 45 Colt
<b>Action:</b>	Lever
<b>Barrel:</b>	24.25"; Henry Carbine: 22.25"; Henry Trapper: 16" & 18", half-octagon
<b>Weight:</b>	9.125 pounds
<b>Length:</b>	43.75"
<b>Stock:</b>	American walnut
<b>Finish:</b>	Brass with blue or polished steel
<b>Price:</b>	POR
<b>Misc:</b>	Color case-hardened frame. Imported by Uberti USA.

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## WINCHESTER MODEL 94 RIFLES



<b>Caliber:</b>	Trails End: (standard or large loop) 357 Mag., 44 Mag., 44-40, 45 Colt; Model 94 Legacy: 30-30, 357 Mag., 44 Mag., 45 Colt; Ranger: 30-30 Win., 30-30; Big Bore: 307 Win. and 356 Win., 444 Marlin; Trapper: 357 Mag., 30-30 44 Mag. 45 Colt; Timber Carbine: 444 Marlin
<b>Action:</b>	Lever, positive side ejection; hammer block safety
<b>Barrel:</b>	16" (Carbines), 20", 24"
<b>Weight:</b>	6 to 6.5 pounds
<b>Length:</b>	37.75" to 38.625"
<b>Stock:</b>	Walnut, laminated hardwood or hardwood (Ranger)
<b>Finish:</b>	Blue
<b>Price:</b>	\$337 to \$548 (Timber Carbine)

## SLIDE ACTION CENTERFIRE RIFLES

### REMINGTON MODEL 7600 PUMP



<b>Caliber:</b>	243, 270, 30-'06, 308
<b>Action:</b>	Pump
<b>Barrel:</b>	22"; Carbine: 18.5"
<b>Weight:</b>	7.25 to 7.5 pounds
<b>Length:</b>	39.125" to 42.625"
<b>Stock:</b>	American walnut or black synthetic
<b>Finish:</b>	Blue
<b>Price:</b>	\$484 to \$588
<b>Misc:</b>	Carbine model is only available in 30-'06. Extra four-shot clip magazines available.

## SINGLE-SHOT CENTERFIRE RIFLES

### AA IZH94 DOUBLE RIFLE



<b>Caliber:</b>	222R, 223R, 6.5 X 55, 7.62 X 39, 308, 30-'06
<b>Action:</b>	Non-repeating
<b>Barrel:</b>	24"
<b>Weight:</b>	8.3 pounds
<b>Length:</b>	40.3"
<b>Stock:</b>	Walnut stock and forend
<b>Finish:</b>	Blue
<b>Price:</b>	\$629
<b>Misc:</b>	Double trigger, extractors, express sights, scope base (11mm), rubber butt pad, O/U shotgun & rifle combo also available.

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## BALLARD RIFLES



**Caliber:** 22 LR, 32-40, 38-55, 40-65 Win., 40-70 SS, 45-70, 45-110, 50-70, 50-90  
**Action:** Falling block, single shot  
**Barrel:** 24" to 34"  
**Weight:** 7.5 to 14.5 pounds  
**Stock:** American Walnut (High grade available)  
**Finish:** Blue and real color case hardening  
**Price:** \$2,050 to \$ 3,600  
**Misc:** Not a reproduction. Resumed production of the famed Ballard rifle. Many options in triggers, sights and stock configuration.

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## BALLARD LLC 1885 HIGH WALL RIFLES



**Caliber:** Traditional and modern rimmed cartridges from 17 Ackley Bee to 577 express  
**Action:** Falling block, single shot  
**Barrel:** 24" to 34"  
**Weight:** 7.5 to 14.5 pounds  
**Stock:** American Walnut (High grade available)  
**Finish:** Blue, real color case hardened receiver for low pressure ctgs.  
**Price:** \$2,050 to \$ 4,550  
**Misc:** Extremely fine, built to order High Wall rifle. Many options in triggers, sights and stock configuration.

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## DAKOTA MODEL 10



**Caliber:** Most rimmed or rimless cartridges including Magnums  
**Action:** Falling block, single shot  
**Barrel:** 23"  
**Weight:** 6.5 pounds  
**Length:** 39"  
**Stock:** XX Walnut  
**Finish:** Blue  
**Price:** \$3,495 to \$3,595 (Magnum)



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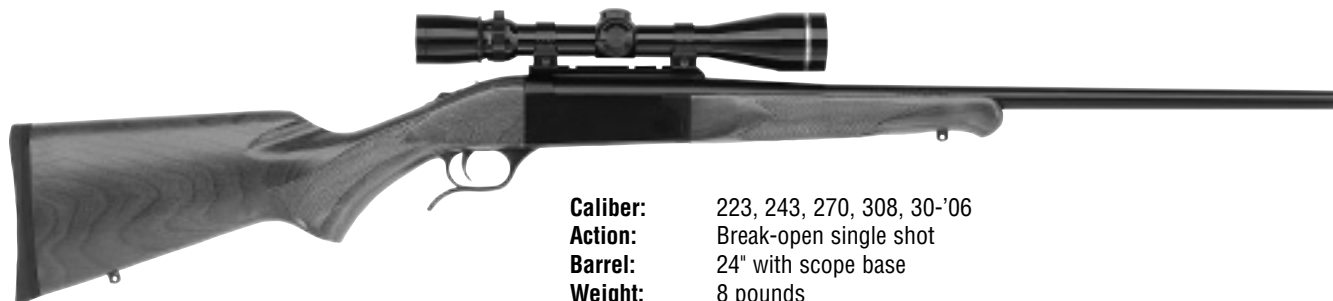
## HARRINGTON & RICHARDSON ULTRA VARMINT & HUNTER RIFLES



**Caliber:** Varmint: 223 Rem., 243 Win.; Hunter: 25-06 Rem., 308 Win., 22 WMR; Ultra Comp: 30-06 Sprg., 270 Win.  
**Barrel:** 22" (308 Win. or 223 with bull barrel), 24" (Varmint) or 26"  
**Weight:** 7.5 pounds (Varmint) to 8 pounds (Hunter)  
**Stock:** Cinnamon laminate (Varmint), cinnamon laminate (Hunter), or camo laminate (Ultra Comp)  
**Finish:** Blued  
**Price:** \$268 to \$303; 22 is \$135  
**Misc:** Break open action with side-lever release, positive ejection. Comes with scope mount, Monte Carlo type stock.

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## MOSSBERG SSI-ONE SPORTER



**Caliber:** 223, 243, 270, 308, 30-'06  
**Action:** Break-open single shot  
**Barrel:** 24" with scope base  
**Weight:** 8 pounds  
**Length:** 40.5"  
**Stock:** Cut checkered walnut  
**Finish:** Satin wood, matte metal  
**Price:** \$469  
**Misc:** Interchangeable rifle and shotgun barrels, accessory barrels include forearm. Cocking indicator, top tang safety, recessed muzzle crown, automatic eject, 12 gauge turkey and slug models available.

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## MOSSBERG SSI-ONE VARMIT-BULL BARREL



**Caliber:** 223, 22-250  
**Action:** Break-open single shot  
**Barrel:** 24" with scope base  
**Weight:** 10 pounds  
**Length:** 40.5"  
**Stock:** Cut checkered black walnut  
**Finish:** Satin wood, matte metal  
**Price:** \$469  
**Misc:** Interchangeable 12 ga. shotgun and sporting rifle barrels, cocking indicator, top tang safety, recessed muzzle crown, automatic eject.

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## NAVY ARMS 1874 SHARPS HEAVY BUFFALO RIFLE



**Caliber:** 45-70  
**Action:** Sharps falling block single shot  
**Barrel:** 28" heavy octagon  
**Weight:** 10 pounds  
**Length:** 46"  
**Stock:** Walnut, checkered grip and forend  
**Finish:** Color case-hardened receivers, blue barrels  
**Price:** \$1,090  
**Misc:** Double set triggers, checkered wrist, optional tang sight available.

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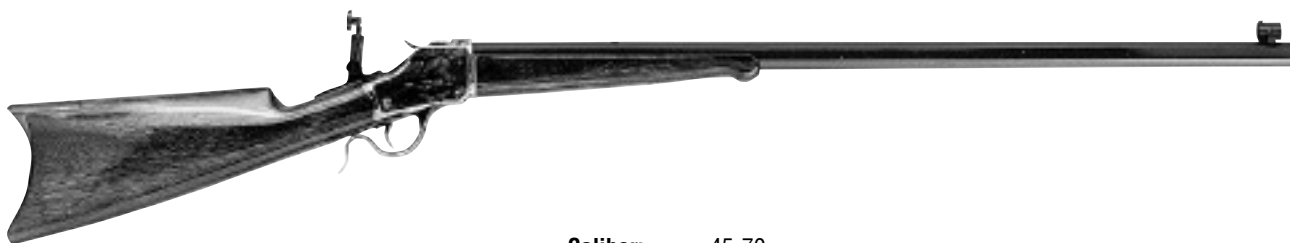
## NAVY ARMS 1874 SHARPS SPORTING RIFLE



**Caliber:** 45-70  
**Action:** Sharps falling block single shot  
**Barrel:** 32" octagon  
**Weight:** 10 pounds  
**Length:** 49.5"  
**Stock:** Walnut  
**Finish:** Color case-hardened receivers, blue barrels  
**Price:** \$1,200  
**Misc:** Double set triggers, pistol grip, optional tang sight available.

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## NAVY ARMS 1885 HIGH WALL RIFLE



**Caliber:** 45-70  
**Action:** Browning design falling block  
**Barrel:** 28" round or 30" octagon  
**Weight:** 9.5 pounds  
**Length:** 45.5" (30" bbl.)  
**Stock:** Walnut  
**Finish:** Color case-hardened receivers, blue barrels  
**Price:** \$920 to \$995  
**Misc:** Available with target sights or buckhorn sight.



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## NAVY ARMS ROLLING BLOCK RIFLES



**Caliber:** 45-70  
**Action:** Rolling block single shot  
**Barrel:** 26" or 30" octagon  
**Weight:** 10 to 11.75 pounds  
**Length:** 43" to 47"  
**Stock:** Walnut  
**Finish:** Color case-hardened receivers, blue barrels  
**Price:** \$730 to \$1,385

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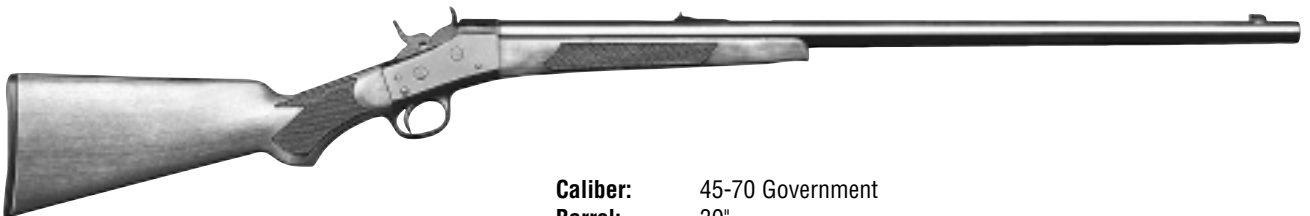
## NEW ENGLAND FIREARMS HANDI-RIFLE



**Caliber:** 22 Hornet, 223, 243, 270, 30-30, 30-'06, 44 Mag., 45-70, 280 Rem., 7x57, 7x64-357, 308 Win.  
**Action:** Break open, side lever release  
**Barrel:** 22", 24", 26" (280 Rem.)  
**Weight:** 7 pounds  
**Length:** 38"  
**Stock:** Walnut-finished hardwood  
**Finish:** Blue  
**Price:** \$210 to \$220  
**Misc:** Drilled and tapped for included scope mounts.

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## REMINGTON NO.1 ROLLING BLOCK



**Caliber:** 45-70 Government  
**Barrel:** 30"  
**Weight:** 11.5 pounds  
**Length:** 46.5"  
**Stock:** American walnut  
**Finish:** Blued  
**Price:** \$3,495 to \$3,595 (Magnum)  
**Misc:** Also available with half round, half octagon barrel, case-colored receiver. Silhouette model includes 1½ inch round heavy barrel.

## REMINGTON 40-XB SERIES TARGET RIFLES



<b>Caliber:</b>	40-XC KS 7.62MM NATO, 40XB Thumbhole stock 22-250, 260 Rem., 7.62 NATO, XB Rangemaster, XB KS: 22-250, 220 Swift, 222 Rem. Mag., 223, 243, 6mm Rem., 6mm BR Rem., 260 Rem, 25-06, 7mm BR Rem., 7mm Rem. Mag., 7.62 NATO (308), 30-'06, 300 Win. Mag.; XBBR KS: 22 BR Rem., 222 Rem. Mag., 223, 6mm BR Rem., 7.62 NATO (308)
<b>Action:</b>	Bolt, single shot or repeater
<b>Barrel:</b>	XB Rangemaster, XB KS: 27.25"; XBBR KS: 24"
<b>Weight:</b>	10.25 pounds XB KS; 10.5 pounds XBBR KS; 11.25 pounds XB Rangemaster
<b>Length:</b>	24" XBBR KS to 27.25" XB Rangemaster and XB KS
<b>Stock:</b>	Walnut and Kevlar (XBBR KS in Remington Green Kevlar) or laminated thumbhole stock
<b>Finish:</b>	Unblued stainless receivers, barrels unblued stainless
<b>Price:</b>	\$1,612 to \$1,941
<b>Misc:</b>	Available from the Remington Custom Shop.

## RUGER No.1 SINGLE SHOT CENTERFIRE RIFLES



<b>Caliber:</b>	RSI-International: 243, 270, 7x57, 30-'06; V-Varmit: 22-250, 220 Swift, 223, 6mm, 25-06; B-Standard: 22-250, 220 Swift, 223, 243, 6mm, 257 Roberts, 25-06, 270, 270 Wthby. Mag., 280, 7mm Rem. Mag., 30-'06, 300 Win. Mag., 300 Wthby. Mag., 338 Win. Mag.; 218 Bee & 22 Hornet, A-Light Sporter: 243, 270, 7x57, 30-'06; S-medium Sporter: 218 Bee, 7mm Rem. Mag., 300 Win. Mag., 338 Win Mag., 45-70; H-Tropical: 416 Rigby & 416 Rem. Mag., 375 H&H, 458 Win. Mag., 1-B 308 Win
<b>Action:</b>	No. 1 Single shot
<b>Barrel:</b>	RSI: 20"; Varmit: 24"; Standard 26"; Light Sporter 22"; Medium Sporter: 26"; Tropical: 24"
<b>Weight:</b>	7.25 to 9 pounds
<b>Stock:</b>	Straight-grained walnut
<b>Finish:</b>	Blued
<b>Price:</b>	\$850 to \$865
<b>Misc:</b>	All except Varmit model include quarter rib scope mounts. Varmit has target scope blocks. 1" rings included with all models. Also available K1-S-BBZ, K1-S-BBZ, K1-B-BBZ and K1-V-BBZ, standard, varmit and tropical in stainless steel with black laminated stack K1-S-BBZ and K1-S-BBZ in stainless.

## C. SHARPS ARMS NEW MODEL 1874 OLD RELIABLE



<b>Caliber:</b>	40-50, 40-70, 40-90, 45-70, 45-90, 45-100, 45-110, 45-120, 50-70, 50-90, 50-140
<b>Barrel:</b>	26", 28" or 30" tapered octagon standard
<b>Weight:</b>	10 pounds
<b>Stock:</b>	American black walnut, straight grip, heavy forend with Schnabel tip.
<b>Price:</b>	\$1,175
<b>Misc:</b>	Drilled and tapped for tang sights. Double set triggers. Re-creation of the model 1874 Old Reliable Sharps Sporting Rifle. Made in the U.S.A. Available through Montana Armory.

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## SHILOH SHARPS 1874 MODELS



- Caliber:** Long Range Express: 40-50 BN, 40-70 BN, 40-90 BN, 45-70 ST, 45-90 ST, 45-110 ST, 50-70 ST, 50-90 ST, 50-110 ST, 32-40, 38-55, 40-70 ST, 40-90 ST; Montana Roughrider: 30-40, 30-30, 40-50x1 $\frac{1}{8}$ " BN, 40-70x2 $\frac{1}{8}$ " BN, 45-70x2 $\frac{1}{8}$ " ST; Business: 40-50 BN, 40-70 BN, 40-90 BN, 45-70 ST, 45-90 ST, 50-70 ST, 50-100 ST, 32-40, 38-55, 40-70 ST, 40-90 ST
- Barrel:** 26" to 34" available in #1 hvy., hvy. half, standard and standard half
- Weight:** 8.5 to 10.5 pounds
- Length:** 40" to 51"
- Stock:** Oil-finished black walnut with a variety of buttstock options, pistol grips and cheek rests
- Price:** \$1,504 to \$1,796
- Misc:** Re-creation of the Sharps Model 1874; double set triggers  
Mfg. in U.S.A. Barrel lengths are an option on any rifle.
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## THOMPSON/CENTER CARBINE



- Caliber:** T/C Carbine: 22 LR, 223 Rem., 7-30 Waters, 30-30 Win.
- Action:** Break top
- Barrel:** 21"
- Weight:** 5.25 pounds
- Length:** 34.75
- Stock:** American black walnut
- Finish:** Blue
- Price:** \$571 to \$583
- Misc:** Lifetime warranty.
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## THOMPSON/CENTER ENCORE RIFLE

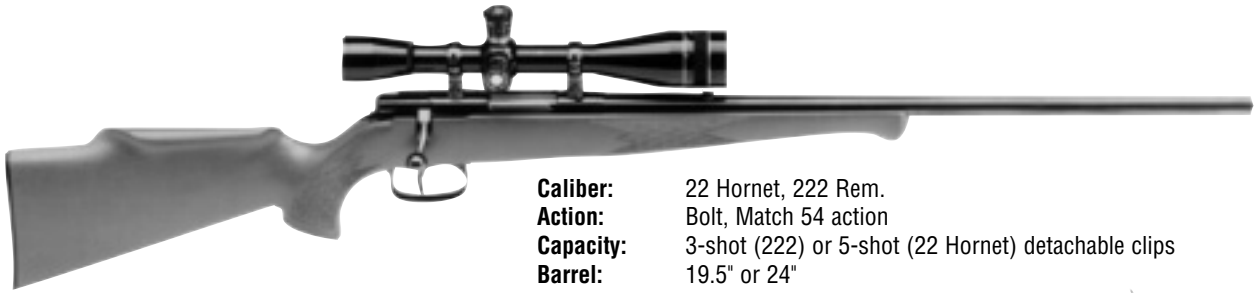


- Caliber:** 223 Rem., 22-250 Rem., 243 Win., 25-06, 260 Rem., 270 Win., 280 Rem., 7mm-08 Rem., 7mm Rem. Mag., 308 Win., 30-'06, 300 Win. Mag., 45-70 Gov't., 25-06
- Action:** Single shot, break open design
- Barrel:** 24" standard or 26" heavy
- Weight:** 6.75 pounds
- Length:** 38.5"
- Stock:** American walnut Monte Carlo with matching forend
- Finish:** Blue
- Price:** \$582 to \$610, SST \$650
- Misc:** Drilled and tapped for scope mounts, interchangeable barrels.
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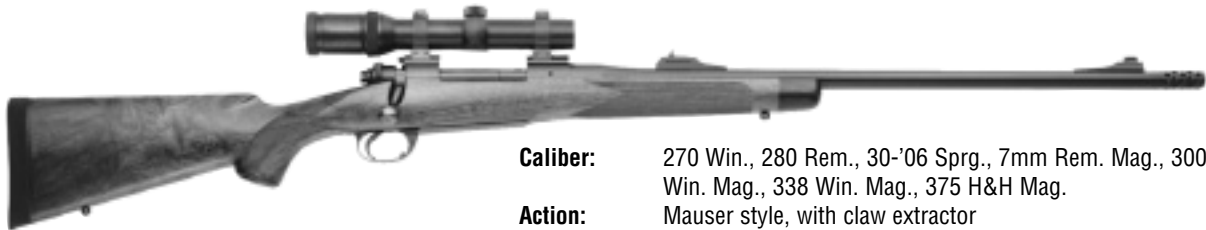
# BOLT ACTION REPEATING CENTERFIRE RIFLES

## ANSCHUTZ 1700D SERIES RIFLES



<b>Caliber:</b>	22 Hornet, 222 Rem.
<b>Action:</b>	Bolt, Match 54 action
<b>Capacity:</b>	3-shot (222) or 5-shot (22 Hornet) detachable clips
<b>Barrel:</b>	19.5" or 24"
<b>Weight:</b>	6.5 pounds
<b>Length:</b>	39" to 43"
<b>Stock:</b>	European walnut
<b>Finish:</b>	Blue
<b>Price:</b>	POR
<b>Misc:</b>	Hooded ramp front sight with folding leaf rear, drilled and tapped for scope mounting. Manufactured in Germany, Imported by AcuSport.

## BERETTA MATO DELUXE AND SYNTHETIC



<b>Caliber:</b>	270 Win., 280 Rem., 30-'06 Sprg., 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag., 375 H&H Mag.
<b>Action:</b>	Mauser style, with claw extractor
<b>Barrel:</b>	23.6", chrome-moly steel
<b>Weight:</b>	7.9 pounds
<b>Length:</b>	44.5"
<b>Stock:</b>	Deluxe features American or European walnut with ebony forend tip. Synthetic features gray composite stocks.
<b>Finish:</b>	Black satin
<b>Price:</b>	Deluxe: \$2,470, 375 H&H: \$2,795, Synthetic: \$1,117, 375 H&H: \$1,474
<b>Misc:</b>	Equipped with leather sling, inletted sling swivel studs, jewelled bolt, raised and checkered bolt handle panel. Swarovski scopes offered as option. Mato synthetic available with matte gray composite stock and neoprene sling.

## BROWNING A-BOLT II ECLIPSE HUNTER & ECLIPSE VARMIN'T



<b>Caliber:</b>	22-250, 223, 243, 270 Win., 7mm Rem. Mag., 308, 30-'06; M-1000: 300 Win. Mag.
<b>Action:</b>	Bolt, 3 to 6 rounds
<b>Barrel:</b>	22" to 26"
<b>Weight:</b>	7.5 pounds
<b>Length:</b>	41.75 to 46.75"
<b>Stock:</b>	Gray/black multi-laminated hardwood with thumbhole
<b>Finish:</b>	Low glare blue
<b>Price:</b>	\$1,048 to \$1,079
<b>Misc:</b>	Available only with the BOSS system. Features include a top tang thumb operated safety, detachable magazine and a lightweight, 60° bolt throw for faster follow-up shots.

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## BROWNING A-BOLT II HUNTER



**Caliber:** 22-250, 223, 243, 25-06, 270 Win., 7mm-08, 280, 7mm Rem. Mag., 308, 30-'06, 300 Win. Mag., 338 Win. Mag. Micro Hunter in 22 Hornet, 223, 22-250, 243, 308, 7mm-08

**Action:** Bolt, 3 to 6 rounds

**Barrel:** 22" (Sporter) to 26" (Magnum)

**Weight:** 6.5 to 7.5 pounds

**Length:** 41.75" (Short) to 44.75" (Magnum and Standard)

**Stock:** Walnut

**Finish:** Low glare blue

**Price:** \$632 to \$639

**Misc:** Available with the optional BOSS system. Features include a cocking indicator for extra safety, a top tang thumb operated safety, detachable magazine and a lightweight, 60° bolt throw for faster follow-up shots.

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## BROWNING A-BOLT II MEDALLION & WHITE GOLD MEDALLION



**Caliber:** Medallion: 22-250, 223 Rem., 243 Win., 25-06, 270 Win., 7mm-08, 280 Rem., 7mm Rem. Mag., 308 Win., 30-'06, 300 Win. Mag., 338 Win. Mag., 375 H&H; Gold Medallion: 270, 7mm Rem. Mag., 30-'06,

**Action:** Bolt, 3 to 6 rounds (Micro Medallion: 3 to 5 rounds)

**Barrel:** 20" to 26"

**Weight:** 6.5 to 7.5 pounds

**Length:** 39.75" to 46.75"

**Stock:** Walnut

**Finish:** Polished blue

**Price:** \$752 to \$1,157

**Misc:** Medallion, Left-hand Medallion, Gold Medallion and Micro-Medallion models. All rifles available, in most calibers, with the optional BOSS system.

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## BROWNING A-BOLT II STAINLESS STALKER, COMPOSITE STALKER & VARMINT STALKER



**Caliber:** Composite Stalker and Stainless Stalker: 22-250, 223 Rem., 243 Win., 25-06, 270, 7mm-08, 280, 7mm Rem. Mag., 308, 30-'06, 300 Win. Mag., 338 Win. Mag., 375 H&H (Stainless Stalker only); Varmint: 22-250, 223 Rem., 308 Win.

**Action:** Bolt, 3 to 6 rounds

**Barrel:** 22" to 26"

**Weight:** 6.25 to 9 pounds

**Length:** 41.75" to 46.75"

**Stock:** Black graphite-fiberglass or Dura Touch finish (Varmint)

**Finish:** Matte silver gray (Stainless Stalker), matte blue (Composite), polished blue (Varmint)

**Price:** \$658 to \$970

**Misc:** Left-hand Stainless Stalker model available. All rifles available, in most calibers, with the optional BOSS system.

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## CZ USA 550 SERIES CENTERFIRE RIFLES



**Caliber:** 243 Win., 270 Win., 308 Win., 22-250, 300 Win Mag., 7mm Rem. Mag., 375 H&H Mag., 416 Rigby, 458 Win. Mag., 7x57, 9.3x62, 6.5x55 SE, 30-'06, 7x64  
**Action:** Bolt  
**Barrel:** 20.5" to 25.6"  
**Weight:** 7.3 to 9.3 pounds  
**Stock:** Walnut with high comb, checkered grip and forend  
**Finish:** Polished blue  
**Price:** \$540 to \$773

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## DAKOTA 76 CLASSIC GRADE RIFLE



**Caliber:** 220 Swift, 22-250, 243 Win., 6mm Rem., 250-3000, 257 Roberts, 7mm-08 Rem., 308 Win., 25-06 Rem., 270 Win., 7x57mm, 280 Rem., 7mm Rem. Mag., 30-'06, 35 Whelen; Short Magnum: 7mm Dakota, 7mm Rem. Mag., 300 Dakota, 300 Win. Mag., 330 Dakota, 338 Win. Mag., 375 Dakota, 458 Win. Mag. plus custom calibers.  
**Action:** Bolt  
**Weight:** 7.5 pounds  
**Length:** 43.5"  
**Stock:** Medium fancy English walnut or composite material  
**Finish:** Blue  
**Price:** \$3,495  
**Misc:** Right- and left-hand versions available. Barreled actions and actions alone. Many options available including: English and Bastogne higher grade stocks to Special Selection grades.

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## DAKOTA 76 SAFARI GRADE RIFLE



**Caliber:** 270 Win., 7x57, 280, 7mm Dakota, 7mm Rem. Mag., 300 Dakota, 30-'06, 300 H&H, 300 Win. Mag., 330 Dakota, 338 Win. Mag., 375 Dakota, 375 H&H, 416 Rem., 458 Win. Mag.  
**Action:** Bolt  
**Barrel:** 23"  
**Weight:** 8.5 pounds  
**Length:** 43.5"  
**Stock:** XXX fancy walnut  
**Finish:** Blue  
**Price:** \$4,495  
**Misc:** Left-hand versions available in all calibers. Barreled actions and actions alone available. Many wood and metal work options available. The 416 Rigby African model is available for \$4,495.



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## DAKOTA LONGBOW T-76 ENGAGEMENT RIFLE



<b>Caliber:</b>	338 Lapua Mag., 330 Dakota Mag., 300 Dakota Mag.
<b>Action:</b>	Controlled round feeding, bolt action
<b>Barrel:</b>	28"
<b>Weight:</b>	13.7 pounds
<b>Length:</b>	50" to 52"
<b>Stock:</b>	Ambidextrous A-2 McMillian fiberglass in black or olive green
<b>Finish:</b>	Matte
<b>Price:</b>	\$4,250
<b>Misc:</b>	Guaranteed 1/2 MOA performance with effective range of 1,500 meters in .338 configuration. Adjustable cheekpiece and length of pull, three-position firing pin block safety, claw extraction system, positive mechanical ejector and Model 70 style trigger. Picatinny one-piece optical rail installed and a complete deployment kit including bipod, case and tool kit.

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## DAKOTA MODEL 97 LONG RANGE HUNTER



<b>Caliber:</b>	25-06 Rem., 257 Roberts, 270 Win., 280 Rem., 7mm Rem. Mag., 7mm Dakota Mag., 30-'06 Sprg., 300 Win. Mag., 300 Dakota Mag., 338 Win. Mag., 330 Dakota Mag., 375 H&H Mag., 375 Dakota Mag.
<b>Action:</b>	Controlled round feeding, bolt action
<b>Barrel:</b>	24" and 26"
<b>Weight:</b>	7.7 pounds
<b>Length:</b>	45" to 47"
<b>Stock:</b>	H-S Precision black synthetic
<b>Price:</b>	\$1,795
<b>Misc:</b>	Mauser-style extractor, three-position stiker blocking safety, unique bolt stop and reverse round follower Rigid cylindrical receiver, match quality free-floating barrel, fully adjustable match trigger, and one-piece bedding block system.

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## DAKOTA MODEL 97 VARMINT AND LIGHTWEIGHT HUNTER

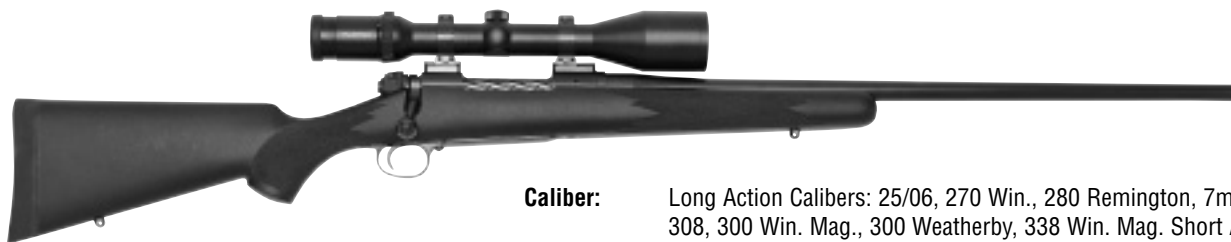


<b>Caliber:</b>	Varmint: 17 Rem., 222 Rem., 223 Rem., 220 Swift, 22-250, 22 BR, 6mm BR, 22 PPC, 6mm FPC Sako, Lightweight: 22-250, 243 Win., 250-3000 Savage, 260 Rem., 7mm-08 Rem., 308 Win., 6mm Rem., 25-06 Rem., 257 Roberts, 270 Win., 280 Rem., 7mm Rem. Mag., 7mm Dak. Mag., 30-'06 Sprg., 300 Win. Mag., 300 Dak. Mag., 375 H&H Mag., 375 Dak. Mag.
<b>Action:</b>	Varmint: Round short action-single shot bolt Lightweight: Controlled round feeding-bolt
<b>Barrel:</b>	22" to 24"
<b>Weight:</b>	6.5 (Lightweight) to 8 (Varmint) pounds
<b>Length:</b>	43" (Lightweight) to 44" (Varmint)
<b>Stock:</b>	X walnut (Varmint) or synthetic (Lightweight)
<b>Finish:</b>	Blue
<b>Price:</b>	\$1,795
<b>Misc:</b>	Barreled actions and actions available.

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## ED BROWN MODEL 702, SAVANNA



**Caliber:** Long Action Calibers: 25/06, 270 Win., 280 Remington, 7mm/08, 308, 300 Win. Mag., 300 Weatherby, 338 Win. Mag. Short Action Calibers: 223, 22-250, 243, 6mm, 260 Rem., 7mm/08, 308, 300 WSM, 270 WSM, 7mm WSM, (WSM cartridges \$100 extra)  
**Barrel:** 23", 24" or 26"  
**Weight:** 8 to 8.5 pounds  
**Stock:** Glass bedded McMillan fiberglass with checkering and recoil pad  
**Price:** From \$2,800 (FET included)  
**Misc:** Features Ed Brown Custom action with machined steel trigger guard and hinged floor plate Options include: Left hand, stock color, stainless steel barrel, different contour barrel, additional calibers, jewell trigger. Other models available.

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## ED BROWN MODEL 702, VARMINT



**Caliber:** 223, 22-250, 220 Swift, 6BR, 243, 6mm, 308  
**Barrel:** 24" to 26" optional contours available  
**Weight:** Approx. 9 pounds  
**Stock:** Fully glass bedded McMillan fiberglass with recoil pad  
**Finish:** Blue or stainless steel  
**Price:** From \$2,500 (FET included)  
**Misc:** Features Ed Brown Custom short single shot action, Fully adjustable trigger guard. Options include: Left hand, stock color, stainless steel barrel, different contour barrel, additional calibers, jewell trigger. Other models available.

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## ED BROWN MODEL 702, TACTICAL



**Caliber:** 7.62 NATO 9308, 300 Win Mag.  
**Barrel:** 26" contour  
**Weight:** Approx. 11.25 pounds  
**Stock:** McMillan A-3 fiberglass Tactical Stock with recoil pad  
**Price:** From \$2,900  
**Sights:** Leupold Mark 4 30mm scope mounts utilizing heavy duty 8-40 screws  
**Misc:** Features Ed Brown Custom short or long repeater action. Action length depends on caliber. Steel trigger guard and hinged floor plate. Options include: Left hand, stock color, stainless steel barrel, different contour barrel, additional calibers, jewell trigger.

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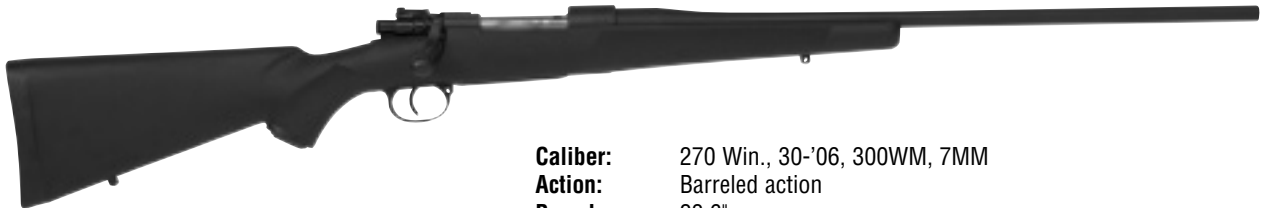
## ED BROWN MODEL 702, M40A2 MARINE SNIPER



**Caliber:** 308 Winchester, 30-'06 Springfield  
**Barrel:** 24"  
**Weight:** Approx. 9.25 pounds  
**Stock:** Hand bedded McMillan GP fiberglass Stock with recoil pad done in special Woodland Camo molded in colors. Not painted.  
**Price:** From \$2,900  
**Misc:** Features Ed Brown Custom short or long repeater action. Action length depends on caliber. Steel trigger guard and hinged floor plate. Options include: Left hand, additional calibers, jewell trigger.

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## EAA BRN098 BOLT ACTION RIFLE



**Caliber:** 270 Win., 30-'06, 300WM, 7MM  
**Action:** Barreled action  
**Barrel:** 23.6"  
**Weight:** 6.9 pounds  
**Length:** 44.5"  
**Stock:** Synthetic stock  
**Finish:** Matte blue finish  
**Price:** \$289  
**Misc:** Tapered barrel. Drilled and tapped for scope mount. Optional scope rail available. Made in Czech Republic.

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## HOWA MODEL 1500 SERIES



**Caliber:** Short Action: 223 Rem., 22-250 Rem., 243 Win., 308 Win.; Long Action: 6.5 x 55, 270 Win., 30-'06, 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag.; Varmint Heavy Barrel: 223 Rem., 22-250 Rem., 308 Win.  
**Action:** Bolt, 3 or 5 round capacity  
**Barrel:** 22" (standard); 24" (Magnum and Varminter); 20" (Ultralight, .243 only))  
**Weight:** 7.6 to 7.7 pounds; 9.3 pounds (Varmint)  
**Stock:** Polymer, wood (walnut finish) or laminated wood (Supreme series)  
**Finish:** Blued or stainless  
**Price:** \$478 to \$588 (Lightning); \$500 to \$612 (Hunter); \$511 to \$536 (Varmint); \$616 to \$794 (Supreme and Varminter series); \$390 to \$484 (barreled action)  
**Misc:** Sights drilled & tapped for scope. Hammer forged barrel & receiver, dual lug bolt system, cramp-proof bolt with fully enclosed bolt face, cocked firing pin indicator. From Legacy Sports International.



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## KIMBER MODEL 84M



<b>Caliber:</b>	22-250 Rem., 243 Win., 260 Rem., 7mm-08 Rem., 308 Win.
<b>Action:</b>	Lightweight bolt with Mauser claw extractor
<b>Capacity:</b>	5-round magazine
<b>Barrel:</b>	22" (Classic); 26" (Varmint)
<b>Weight:</b>	5 pounds, 10 ounces (Classic); 7 pounds, 5 ounces (Varmint)
<b>Length:</b>	41.25" (Classic); 45.25" (Varmint)
<b>Stock:</b>	Claro walnut with 30 lpi panel checkering
<b>Finish:</b>	Satin
<b>Price:</b>	\$895 (Classic); \$978 (Varmint)
<b>Misc:</b>	Made in the U.S.A. 2-position Model 70-type safety, match grade trigger, chamber & barrel. Lightest production centerfire rifle available today.

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## KRICO MODEL 700 BOLT ACTION RIFLES



<b>Caliber:</b>	17 Rem., 22-250, 222, 222 Rem. Mag., 223, 5.6x50 Mag., 5.6x57 RWS, 243, 6x62 Freres, 6.5x55, 6.5x57, 6.5x68, 270, 7x57, 7x64, 7mm Rem. Mag., 7.5 Swiss, 308, 30-'06, 300 Win. Mag., 8x68S, 9.3x62, 9.3x64
<b>Action:</b>	Bolt
<b>Barrel:</b>	23.5" to 25.5" (magnum calibers)
<b>Weight:</b>	7 pounds
<b>Length:</b>	43.25" (standard calibers)
<b>Stock:</b>	European walnut with Bavarian cheekpiece
<b>Price:</b>	POR
<b>Misc:</b>	Removable box magazine, blade on ramp front, open adjustable rear sights, and sliding safety. Drilled and tapped for scope mounting.

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## LEGACY SPORTS INTERNATIONAL MAUSER 98 RIFLE



<b>Caliber:</b>	300 Win. Mag.
<b>Action:</b>	Bolt; controlled feed
<b>Barrel:</b>	24", 1-10" twist
<b>Weight:</b>	8.4 pounds
<b>Length:</b>	45"
<b>Stock:</b>	Premium American walnut
<b>Finish:</b>	Blued
<b>Price:</b>	\$995 (rifle); \$445 to \$580 (barreled actions)
<b>Misc:</b>	Square-bridge Mauser 98 action dovetailed for one-piece ring mounts; ring mounts available. three-position thumb safety; hinged floorplate; adjustable trigger.

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## REMINGTON MODEL 700 RIFLES



- Caliber:** 700 ADL: 270 Win., 30-'06, 7mm Rem.Mag.; 700 ADL Synthetic: 22-250 Rem., 223 Rem., 243 Win., 270 Win., 30-'06, 308 Win., 7mm Rem. Mag., 300 Win.Mag., 700 ADL Synthetic Youth: 243 Win., 308 Win.; 700 BDL Custom Deluxe: 222 Rem., 22-250 Rem., 223 Rem., 243 Win., 25-06 Rem., 7mm-08 Rem., 270 Win., 280 Rem., 30-'06, 17 Rem., 7mm Rem. Mag., 300 Win. Mag, 338 Win. Mag, 7mm Rem. Ultra Mag., 300 Rem. Ultra Mag., 338 Rem Ultra Mag., 375 Rem. Ultra Mag.
- Action:** Bolt, 3 to 5 round capacity
- Barrel:** 22" to 26" (20" youth)
- Weight:** 6.75 to 7.5 pounds
- Length:** 39.125" to 44.5"
- Stock:** Checkered American walnut or black/synthetic
- Finish:** Blue
- Price:** \$484 to \$688; \$688 to \$728 ( LH Model)
- Misc:** Available with sights or drilled and tapped for scope mounts. Comes with Monte Carlo cheekpiece. Fine-line engraving available on BDL. BDL Custom Deluxe available in left hand offerings: 270 Win., 30-'06, 7mm Rem.Mag., 7mm Rem. Ultra Mag, 300 Rem. Ultra Mag, 338 Rem. Ultra Mag. Many other variations and grades available including Stainless Steel and Varminter models.

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## REMINGTON MODEL 700 CLASSIC



- Caliber:** .221 Remington Fireball Limited Edition
- Action:** Bolt, four-round capacity
- Barrel:** 24"
- Weight:** 7.25 pounds
- Length:** 44.5"
- Stock:** Checkered, satin-finished American walnut
- Finish:** Polished blue
- Price:** \$661
- Misc:** 22nd annual edition — available for one year only.

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## REMINGTON MODEL 700 SPECIALIZED RIFLES



- Caliber:** BDL DM: 270 Win., 7mm Rem. Mag., 30-'06, 300 Win. Mag., Mountain Rifle (DM): 25-06, 270, 280, 7mm-08, 30-'06; 260 Rem.
- Action:** Bolt, 3 to 5 round capacity
- Barrel:** 22" to 24" (Mountain Rifle only in 22")
- Weight:** 6.5 to 7.5 pounds
- Length:** 41.5" to 44.5"
- Stock:** Checkered American walnut
- Finish:** Polished blue or satin blue (Mountain)
- Price:** \$728 to \$755
- Misc:** Features include a quick-release detachable magazine (DM) and pistol-grip stocks. BDL DM comes with a Monte Carlo cheekpiece stock, the Mountain Rifle with a straight comb, slim-line stock.

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## REMINGTON MODEL 700 SENDERO



<b>Caliber:</b>	Sendero: 25-06, 7mm Rem. Mag., 300 Win. Mag.; Sendero SF: 25-06, 7mm Rem. Mag., 7mm STW, 300 Win. Mag., 7mm Rem Ultra Mag., 300 Rem. Ultra Mag., 338 Rem Ultra Mag.
<b>Action:</b>	Bolt, 3 to 4 round magazine
<b>Barrel:</b>	26" (heavy or fluted)
<b>Weight:</b>	8.5 to 9 pounds
<b>Length:</b>	45.75"
<b>Stock:</b>	Black Kevlar reinforced
<b>Finish:</b>	Blue or stainless (SF only)
<b>Price:</b>	\$788 to \$989
<b>Misc:</b>	SF model features a stainless, fluted barrel. Comes without sights for scope mounting.

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## REMINGTON MODEL 700 ALASKAN WILDERNESS & AFRICAN PLAINS RIFLES



<b>Caliber:</b>	700 APR: 7mm Rem. Mag., 7mm RUM, 300 Win. Mag., 300 Wthby. Mag., 300 RUM, 338 Win. Mag., 338 RUM, 375 H&H, 375 RUM; 700 AWR: 7mm Rem. Mag., 7mm STW, 7mm RUM, 300 Win. Mag., 300 Wthby. Mag., 300 RUM., 338 Win. Mag., 338 RUM, 375 H&H, 375 RUM
<b>Action:</b>	Bolt
<b>Barrel:</b>	24" (AWR) to 26" (APR)
<b>Weight:</b>	6.75 pounds (AWR) to 7.75 pounds (APR)
<b>Length:</b>	44.5" (AWR) to 46.5" (APR)
<b>Stock:</b>	Black Kevlar (AWR), Monte Carlo laminate (APR)
<b>Finish:</b>	Black matte finish (AWR) or traditional blue polish (APR)
<b>Price:</b>	\$1,569 (AWR) to \$1,690 (APR)
<b>Misc:</b>	Built to order through Remington's Custom Shop.

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## REMINGTON MODEL 710



<b>Caliber:</b>	270 Win., 30-'06
<b>Action:</b>	Bolt-action centerfire
<b>Barrel:</b>	22"
<b>Weight:</b>	7.1 pounds
<b>Length:</b>	42.5"
<b>Stock:</b>	Gray Synthetic
<b>Price:</b>	\$425
<b>Misc:</b>	Features a first-ever bolt-to-barrel lock-up design



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## REMINGTON MODEL 700 ETRONIX CENTERFIRE RIFLE



<b>Caliber:</b>	220 Swift, 22-250 Rem., .243 Win.
<b>Barrel:</b>	26"
<b>Weight:</b>	8.5 pounds
<b>Length:</b>	45.75"
<b>Stock:</b>	Black synthetic
<b>Finish:</b>	Satin Stainless
<b>Price:</b>	\$1,999
<b>Misc:</b>	First ever electronic fire control has no moving parts other than trigger. Cased centerfire cartridges are fired by a system that ignites primers by means of an electrical pulse.

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## REMINGTON MODEL 700 TITANIUM



<b>Caliber:</b>	260 Rem., 270 Win., 7mm Rem. Ultra Mag., 308 Win.
<b>Action:</b>	Bolt
<b>Barrel:</b>	22"
<b>Weight:</b>	5.5 pounds
<b>Length:</b>	42.5"
<b>Stock:</b>	Carbon-fiber synthetic
<b>Finish:</b>	Satin stainless
<b>Price:</b>	\$1,239
<b>Misc:</b>	Long or short actions available.

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## REMINGTON MODEL SEVEN RIFLES

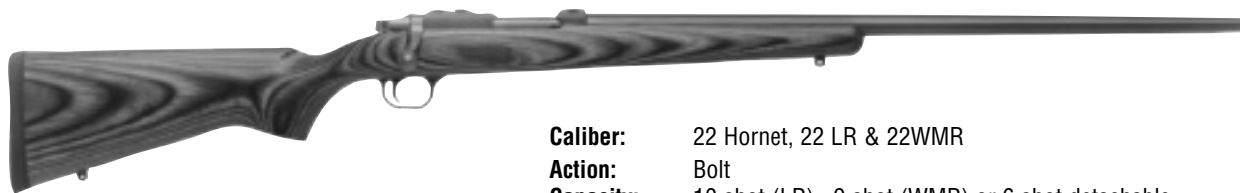


<b>Caliber:</b>	Seven LSS: 22-250 Rem., 7mm-08; Seven SS: 223 Rem., 243 Win., 260 Rem., 7mm-08, 308 Win.; Seven LS Lightweight: 223 Rem., 243 Win., 7mm-08, 308; Seven Youth: 223 Rem., 243 Win., 260 Rem., 7mm-08, Seven Magnum LS or SS: 7MM RSUM, 300 RSUM
<b>Action:</b>	Bolt, 4 to 5 round magazine
<b>Barrel:</b>	20"
<b>Weight:</b>	6.125 to 6.25 pounds
<b>Length:</b>	38.75" to 39.25"
<b>Stock:</b>	Brown laminate, black synthetic or hardwood
<b>Finish:</b>	Matte flat or stainless satin finish
<b>Price:</b>	\$531 to \$740 and \$717 to \$743 (Magnum)
<b>Misc:</b>	Model Seven Youth features hardwood stock.

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## RUGER K77/22 VHZ VARMINT RIFLE



**Caliber:** 22 Hornet, 22 LR & 22WMR  
**Action:** Bolt  
**Capacity:** 10 shot (LR), 9 shot (WMR) or 6 shot detachable rotary magazine (22 Hornet)  
**Barrel:** 24" heavy  
**Weight:** 6.25 to 6.875 pounds  
**Length:** 43.25"  
**Stock:** Laminated American hardwood  
**Finish:** Target gray stainless steel  
**Price:** \$599 to \$625  
**Misc:** Features integral scope bases of the patented Ruger Scope Mounting System and comes with 1" Ruger scope rings. K77/22 VHZ heavy barrel version with laminated stock.

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## RUGER 77/22RH



**Caliber:** 22 Hornet  
**Action:** Bolt  
**Capacity:** 6 rounds, detachable rotary magazine  
**Barrel:** 20"  
**Weight:** 6 pounds  
**Length:** 39.25"  
**Stock:** Oil-finished walnut  
**Finish:** Blued  
**Price:** \$589 to \$625  
**Misc:** Comes with sights or with the integral scope bases of the patented Ruger Scope Mounting System and with 1" Ruger scope rings.

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## RUGER M-77 MARK II RIFLES



**Caliber:** M77 R: 7mm RSUM, 223, 22-250, 6mm Rem., 243 Win., 300 RSUM, 257 Roberts, 25-06, 6.5x55 Swedish, 270, 7x57, 280, 7mm Rem. Mag., 30-'06, 308, 300 Win. Mag., 220 Swift, 300 WSM, 338 Win. Mag.; RS: 243 Win., 25-06, 270, 6mm Rem., 7mm Rem. Mag., 30-'06, 308, 300 Win. Mag., 338 Win. Mag., RSI: 243 Win., 270, 30-'06, 308  
**Action:** Bolt, with three-position safety  
**Capacity:** 3 to 4 round magazine  
**Barrel:** 18" (RSI only), 22" or 24" (magnum lengths)  
**Weight:** 7 pounds  
**Stock:** Checkered American walnut with pistol grip  
**Finish:** Blued  
**Price:** \$675 to \$769  
**Misc:** Ruger rings included. Available with no sights (R) or open sights (RS and RSI). RSI carbine features full-length Mannlicher style stock.

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## RUGER M-77 MARK II SPECIALTY RIFLES



- Caliber:** M77 RL: 223, 243 Win., 257 Roberts, 270, 30-'06, 308; LR: 270, 7mm Rem. Mag., 30-'06, 300 Win. Mag.; VT: 223, 22-250, 220 Swift, 243 Win., 25-06, 308, Compact: 7MM-08
- Action:** Bolt, with three-position safety
- Capacity:** 3 to 4 round magazine
- Barrel:** 16.5" (Compact), 20" (RL), 22" to 24" (LR), or 26" (VT)
- Weight:** 6 (RL) to 9.75 pounds (VT)
- Stock:** Checkered American walnut with pistol grip or heavy laminated hardwood (VT only)
- Finish:** Blued or target gray stainless
- Price:** \$675 to \$819
- Misc:** Ruger rings included. LR model features a left-handed stock. RL (Ultra Light) model is extra light in weight. VT (Target Rifle) features beavertail forend and a two-stage trigger. New models include RBZ Compact and RSBZ Sporter in stainless with laminate stock, and LRBBZ (a left-handed Sporter) with a stainless finish and black laminate stock.

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## RUGER M-77 MARK II EXPRESS & MARK II MAGNUM RIFLES



- Caliber:** Express: 270, 7mm Rem. Mag., 30-'06, 300 Win. Mag., 338 Win. Mag.; Magnum: 375 H&H and 416 Rigby
- Action:** Bolt, with three-position safety
- Capacity:** 3 to 4 round magazine
- Barrel:** 22" (standard calibers) to 24" (magnums)
- Weight:** 7.5 pounds (EX) to 9.75 pounds (mag)
- Stock:** Checkered Circassian walnut
- Finish:** Blued
- Price:** \$1,625 to \$1,695
- Misc:** Factory machined for Ruger scope mounts. Comes with a set of 1" rings. Features include a three-position safety, steel floor-plate and trigger guard, blade front sight and V-notch rear express sights.

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## RUGER M-77 MARK II ALL WEATHER RIFLES



- Caliber:** RFP: 223, 22-250, 243 Win., 270, 280, 7mm Rem. Mag., 7MM RSUM, 300 RSUM, 300 WSM, .25-06, 260 Rem, 30-'06, 308, 300 Win. Mag., 338 Win. Mag.; RSP: 243, 270, 7mm Rem. Mag., 30-'06, 300 Win. Mag., 338 Win. Mag., & RLFP: 243 Win., 270 Win., 30-'06
- Action:** Bolt, with three-position safety
- Capacity:** 3 to 4 round magazine
- Barrel:** 20" to 24"
- Weight:** 6.5 to 7 pounds
- Stock:** Black Synthetic stock
- Price:** \$675 to \$759
- Misc:** Similar to M-77 Mark II but with all-weather Synthetic stock and stainless steel barrel, receiver, sights and trigger group. Models available in stainless steel with laminated stocks, Ruger rings included.



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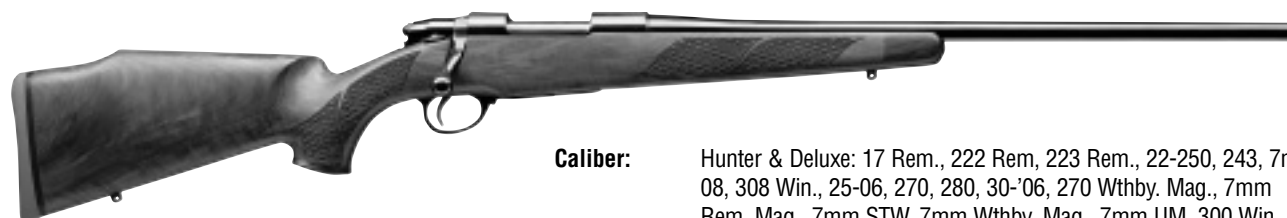
## SAKO 75 STAINLESS SYNTHETIC & FINNLIGHT



<b>Caliber:</b>	Stainless & Finnlite: 22-250, 243, 7mm-08, 308 Win., 25-06, 270, 280, 30-'06, 270 Wthby. Mag., 7mm Rem. Mag., 7mm STW, 7mm UM, 300 Win. Mag., 300 Wthby. Mag., 338 Win. Mag., 300 UM, 340 Wthby. Mag., 375 H&H, 416 Rem. Mag.; Stainless Synthetic: 22-250, 243, 308 Win. 25-06, 270, 30-'06, 7mm Rem. Mag., 300 Win. Mag.
<b>Action:</b>	Bolt
<b>Barrel:</b>	20", 22", 24", 26"
<b>Weight:</b>	6.5 to 7.75 pounds
<b>Length:</b>	41.75" to 47.25"
<b>Stock:</b>	Synthetic
<b>Finish:</b>	stainless steel
<b>Price:</b>	\$1,239 to \$1,274
<b>Misc:</b>	Magazines in 4 to 5 rounds. Imported by Beretta USA Corp.

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## SAKO 75 HUNTER & DELUXE RIFLES



<b>Caliber:</b>	Hunter & Deluxe: 17 Rem., 222 Rem, 223 Rem., 22-250, 243, 7mm-08, 308 Win., 25-06, 270, 280, 30-'06, 270 Wthby. Mag., 7mm Rem. Mag., 7mm STW, 7mm Wthby. Mag., 7mm UM, 300 Win. Mag., 300 Wthby. Mag., 338 Win. Mag., 340 Wthby. Mag., 375 H&H Mag., 300 UM
<b>Action:</b>	Bolt
<b>Barrel:</b>	22", 24", 26"
<b>Weight:</b>	7.75 pounds
<b>Length:</b>	41.75" to 47.25"
<b>Stock:</b>	High-Grade or Select Walnut
<b>Finish:</b>	Blue or stainless steel
<b>Price:</b>	\$1,129 (Hunter) to \$1,688 (Deluxe)
<b>Misc:</b>	Magazines in 4 to 6 rounds. Imported by Beretta USA Corp.

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## SAKO TRG-S, TRG 22, AND TRG 42



<b>Caliber:</b>	338 Lapua Mag., 30-378 WEA, 308 Win. Mag. (TRG 22), 300 Win Mag. (TRG 42)
<b>Barrel:</b>	26" to 27½"
<b>Weight:</b>	In pounds: 8½ (TRG-S), 10.25 (TRG 22), and 11.75 (TRG 42)
<b>Length:</b>	45.5"
<b>Stock:</b>	Synthetic
<b>Finish:</b>	Blued, green and all black (TRG 22 and 42)
<b>Price:</b>	\$882 (TRG-S) to \$3,243
<b>Misc:</b>	Resistance-free bolt with 60 degree lift. Recoil pad adjustable for length. Free-floating barrel, detachable five-shot magazine and ten-shot (TRG 42), full adjustable trigger, fully-adjustable stock (TRG 22 and 42). Imported from Finland by Beretta USA Corp.

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## SAKO FINNFIRE



**Caliber:** 22 LR  
**Barrel:** 22" (Hunter ), 23" (Varmint and Sporter)  
**Weight:** 5.75 pounds (Hunter)  
**Stock:** Select walnut; Sporter has competition stock  
**Price:** \$854 Hunter, \$896 (Varmint) and \$951 (Sporter)  
**Misc:** 50 degree bolt lift, free floating barrel, adjustable trigger, 5-round magazine (Sporter has 10-round magazine), Varmint has beavertail forend, Sporter has fully adjustable stock. Imported from Finland by Beretta USA Corp.

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## SAUER 202



**Caliber:** 25-06 Rem., 270 Win., 30-'06 Sprg., 308 Win., 7mm Rem., 300 Win., 375 H&H, 22-250 Rem., 243 Win., 300 Wthby  
**Capacity:** 3 round magazine  
**Barrel:** 24", 26"  
**Weight:** 7.5 to 7.7 pounds  
**Stock:** McMillan high-grade composite or walnut  
**Price:** \$1,259 (Synthetic), \$1,249 (Walnut)  
**Misc:** 202 Supreme available in left-hand model. Features include detachable steel box magazine, two-position safety, and interchangeable barrels. Varmint model & Lightweight model also available.

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## SAVAGE MODEL 11/111 SERIES



**Caliber:** 223 Rem, 22-250, 243, 25-06, 270, 7mm RSUM, 7mm-08, 7mm Rem. Mag., 7mm Rem. Ultra Mag., 308, 30-'06, 300 RSUM, 300 Rem. Ultra Mag., 300 Win. Mag., 300 WSM, 338 Win. Mag.  
**Action:** Bolt  
**Barrel:** 22" to 26"  
**Weight:** 6.5 to 7.25 pounds  
**Length:** 41.5" to 47.25"  
**Stock:** Black synthetic or walnut hardwood  
**Finish:** blue  
**Price:** \$411 to \$468  
**Misc:** Available with top loading or detachable box-type magazines. Left-handed models and customized rifle package options available. Many models available.

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## SAVAGE MODEL 12/112 SERIES



<b>Caliber:</b>	22-250, 223, 25-06, 7mm Rem. Mag., 308 Win., 300 Win. Mag., 243 Win., 30-06, 7mm STW.
<b>Action:</b>	Bolt
<b>Barrel:</b>	24" to 26"
<b>Weight:</b>	8.5 to 11.25 pounds
<b>Length:</b>	44" to 46.75"
<b>Stock:</b>	Laminated wood or black composite
<b>Finish:</b>	Stainless steel or blue
<b>Price:</b>	\$481 to \$900
<b>Misc:</b>	Standard and heavy barrel versions available. 112 Varminter features Choat stock, fluted, free-floating barrel and Sharpshooter trigger. Many versions available.

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## SAVAGE MODEL 114 SERIES



<b>Caliber:</b>	270 Win., 7mm Rem. Mag., 30-06, 300 Win. Mag., 7mm STW
<b>Action:</b>	Bolt
<b>Barrel:</b>	22" to 24"
<b>Weight:</b>	7 to 7.5 pounds
<b>Length:</b>	43.25" to 45.25"
<b>Stock:</b>	Oil finished walnut American
<b>Finish:</b>	Polished blue
<b>Price:</b>	\$532
<b>Misc:</b>	Drilled and tapped for scope mounts. Cut checkering, black forend tip.

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## SAVAGE MODEL 16/116 SERIES



<b>Caliber:</b>	223 Rem., 243 Win., 7mm-08 Rem., 7mm RSUM, 7mm STW, 7mm Rem. Ultra Mag., 270, 7mm Rem. Mag., 30-06, 308 Win., 300 Win. Mag., 300 RSUM, 300 Rem Ultra Mag., 338 Win. Mag., 375 H&H, 458 Win.
<b>Action:</b>	Bolt Action
<b>Barrel:</b>	22" to 24"
<b>Weight:</b>	6.5 to 8.5 pounds
<b>Length:</b>	41.5" to 46.5"
<b>Stock:</b>	Black graphite/fiberglass composite, laminated or walnut (116 SE Safari)
<b>Finish:</b>	Stainless steel
<b>Price:</b>	\$500 to \$975
<b>Misc:</b>	Some models feature Savage's Adjustable Muzzle Brake System. Many models available.

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## SAVAGE MODEL 10FPXP-LE POLICE



**Caliber:** 308 Win.  
**Action:** Bolt  
**Barrel:** 26"  
**Weight:** 10.5 pounds  
**Length:** 46"  
**Stock:** black composite  
**Finish:** Matte blue  
**Price:** \$1,100  
**Misc:** Ready to go out of the box LE rifle. Features Harris bipod, Sharpshooter trigger, oversize bolt handle, Burris 3.5-10 scope and aluminum hard case.

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## SAVAGE MODEL 10GY YOUTH



**Caliber:** 223 Win., 243 Win., 308 Win.  
**Action:** Bolt  
**Barrel:** 22"  
**Weight:** 6.5 pounds  
**Length:** 41.5"  
**Stock:** Oil finished walnut American  
**Finish:** Polished blue  
**Price:** \$532  
**Misc:** Drilled and tapped for scope mounts. Cut checkering,

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## STEYR SBS PRO-HUNTER RIFLE



**Caliber:** 243 Win., 25-06, 270 Win., 7mm-08, 308 Win., 30-06, 280 Rem., 7mm Rem. Mag., 300 Win. Mag.  
**Action:** Safe Bolt System  
**Capacity:** Detachable 4-round magazine, 3-round for Mag. Calibers  
**Barrel:** 23.5", 25.5" Mag. Calibers  
**Weight:** 7.5 pounds  
**Length:** 44.5", 46.5" Mag. Calibers  
**Stock:** ABS synthetic or Mossy Oak Breakup  
**Price:** \$799 to \$1,045  
**Misc:** Matte blue or stainless barrel, ambidextrous roller tang safety and removable butt spacers. Optional 10-round magazine kit and custom calibers are also available. Imported by GSI, Inc.

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## STEYR SCOUT BOLT RIFLE



- Caliber:** 308 Win., 223 Rem.  
**Action:** Safe Bolt System  
**Capacity:** 5- or 10-round detachable box magazine  
**Barrel:** 19", fluted  
**Weight:** 6.5 pounds  
**Length:** 39.5"  
**Stock:** Synthetic gray or black Zytel  
**Price:** \$2,699  
**Misc:** Adjustable single trigger, three-position safety with safe, loading and fire positions. Removable modular buttstock spacers, quick detachable flush mounted sling swivels. Imported by GSI, Inc.

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## TIKKA WHITETAIL HUNTER BOLT ACTION RIFLES



- Caliber:** Whitetail Hunter Synthetic: 223, 22-250, 243 Win., 7mm-08, 308, 25-06, 270, 30-'06, 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag.; Whitetail Hunter Deluxe: 223, 22-250, 243, 308, 7mm-08 Rem., 25-06, 270, 30-'06, 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag.  
**Action:** Bolt  
**Capacity:** 3 rounds  
**Barrel:** 22.44" to 24.375"  
**Stock:** European walnut with Monte Carlo comb, checkered grip and forend, black synthetic, or laminated  
**Price:** \$615 to \$775  
**Misc:** Varmint/Continental has a heavy barrel and beavertail forend. Manufactured by Sako. Imported from Finland by Beretta USA Corp.

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## TIKKA SPORTER



- Caliber:** 223, 22-250, 308, 7mm-08 Rem.  
**Action:** Bolt  
**Barrel:** 23.5" heavy  
**Weight:** 9 pounds  
**Length:** 43.625"  
**Stock:** Walnut target stock with adjustable cheekpiece  
**Price:** \$950  
**Misc:** Competition-style stock with adjustable buttpad and cheekpiece. Imported from Finland by Beretta USA Corp.

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## WEATHERBY MARK V ACCUMARK RIFLES



**Caliber:** 22-250 Rem., 243 Win., 25-06 Rem., 270 Win., 7mm-08 Rem., 280 Rem., 30-'06 Spr., 308 Win., 240 Wthby. Mag., 257, 270, 30-378 Wthby. Mag, 7mm, 7mm STW, 7mm Rem., 300, 300 Win., 340 Wthby. Mag., 338-378 Wthby. Mag.  
**Action:** Bolt  
**Barrel** 24", 26", 28"  
**Weight:** 7 to 8.5 pounds  
**Length:** 44" to 46.625"  
**Stock:** Kevlar fiberglass, Monte Carlo with aluminum bedding plate  
**Finish:** Stainless  
**Price:** \$1,299 to \$1,649  
**Misc:** Uses Mark V action with heavy contour stainless steel barrel with black oxidized flutes, left-hand model available.

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## WEATHERBY MARK V STAINLESS & SYNTHETIC RIFLES



**Caliber:** 257, 270, 7mm, 300, 340 Wthby. Mag., 7mm Rem., 338 Win. Mags., 375 H&H, 30-378 Wthby. Mag.  
**Action:** Bolt  
**Barrel** 20", 24" or 26"  
**Weight:** 8 pounds  
**Length:** 44"  
**Stock:** Injection-moulded with Monte Carlo  
**Finish:** 410 Series: stainless steel  
**Price:** \$699 to \$899  
**Misc:** Mark V action and standard caliber versions also available

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## WEATHERBY MARK V RIFLES



**Caliber:** Mark V Deluxe: All Weatherby calibers; Euromark: 257, 270, 7mm, 300, 340 Wthby. Mags., 7mm Rem. Mag., 300 & 338 Win. Mag., 375 H&H, 378 Wthby. Mag., 416 Wthby. Mag.; Lazermark: 257, 270, 7mm, 300, 340 Wthby. Mag., 378 Wthby. Mag., 416 Wthby. Mag., 460 Wthby. Mag.  
**Action:** Bolt  
**Barrel:** 24", 26", 28"  
**Weight:** 6.75 to 10.5 pounds  
**Length:** 44.625" to 46.75"  
**Stock:** Walnut with Monte Carlo comb  
**Finish:** High lustre finish or blue  
**Price:** \$1,649 to \$2,464  
**Misc:** Adjustable trigger, thumb safety, quick detachable sling swivels, cocking indicator, and hinged floorplate. Standard calibers also.



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## WEATHERBY MARK V SPORTER & EUROSPORT RIFLES



**Caliber:** 257, 270, 7mm, 300, 340 Wthby. Mag., 7mm Rem., 300 & 338 Win. Mag., 375 H&H  
**Action:** Bolt  
**Barrel:** 24" or 26"  
**Weight:** 6.75 to 9.5 pounds  
**Length:** 44.625" to 46.625"  
**Stock:** Walnut with Monte Carlo cheekpiece  
**Price:** \$1,049  
**Misc:** Sights or scope not included. Standard calibers also.

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## WINCHESTER MODEL 70 CLASSIC SUPER GRADE



**Caliber:** 270 Win., 7mm Rem. Mag., 30-'06, 7mm STW, 300 Win. Mag., 338 Win. Mag.  
**Action:** Bolt, 3 round capacity  
**Barrel:** 24" to 26" (magnums)  
**Weight:** 7.75 to 8 pounds  
**Length:** 44.5"  
**Stock:** Walnut  
**Finish:** Blue  
**Price:** \$702  
**Misc:** Features include controlled round feeding with stainless steel claw extractor, bolt guide rail, three-position safety. Many other models available including a stainless steel version.

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## WINCHESTER MODEL 70 CLASSIC FEATHERWEIGHT ALL-TERRAIN



**Caliber:** 270 Win., 7mm Rem. Mag., 30-'06, 300 Win. Mag.  
**Action:** Bolt, 3 to 5 round capacity  
**Barrel:** 22" to 24"  
**Weight:** 7.25 pounds  
**Length:** 42.5" to 44.75"  
**Stock:** Black synthetic composite  
**Finish:** Stainless steel  
**Price:** POR  
**Misc:** Features ornate checkering, Schnabel forend, claw-controlled round feed system, inletted swivel bases, and recoil pad.

## WINCHESTER MODEL 70 CLASSIC SUPER EXPRESS



<b>Caliber:</b>	375 H&H Mag., 416 Rem. Mag., 458 Win. Mag.
<b>Action:</b>	Bolt, 3 round capacity
<b>Barrel:</b>	22" to 24"
<b>Weight:</b>	8.25 to 8.5 pounds
<b>Length:</b>	42.75" to 44.75"
<b>Stock:</b>	Checkered American walnut with Monte Carlo style cheekpiece
<b>Finish:</b>	Blue
<b>Price:</b>	POR
<b>Misc:</b>	Receiver is drilled and tapped for scope mounting. Adjustable rear sight and hooded front. The sling is positioned on the barrel to protect the hand during recoil. Controlled round feed. Left-hand option in 375 H&H only.

## SEMI-AUTOMATIC CENTERFIRE RIFLES

### BAER CUSTOM ULTIMATE AR M-4 FLATTOP MODEL



<b>Caliber:</b>	223
<b>Barrel:</b>	16"
<b>Stock:</b>	Civilian model standard stock, law enforcement model available with collapsible stock
<b>Finish:</b>	Baer Coat finish on upper, lower barrel and free float system
<b>Price:</b>	\$2,195
<b>Misc:</b>	Jewell 2 stage trigger standard (optional single stage trigger available), LBC 4-way free float Picatinney rail system (12" standard), guaranteed to shoot 1/2" groups (1/2 MOA), many optional equipment features are available for the state-of-the-art M4.

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## BAER CUSTOM ULTIMATE AR SUPER VARMINT MODEL



<b>Caliber:</b>	223
<b>Barrel:</b>	20" (Standard), 22" and 24" (optional)
<b>Finish:</b>	Baer Coat all-weather finish on upper, lower barrel and small parts
<b>Price:</b>	\$1,989
<b>Misc:</b>	LBC forged and precision machined "matched" upper and lower receivers, Picatinny-style flattop rail, LBC Ultimate National Match Carrier (chromed), LBC Ultimate Bolt (chromed), LBC bench rest quality stainless steel 416-7000 series barrel, 3-5 micron finish, hand lapped and polished before and after rifling, 1:12 twist (optional twists available). Super Varmint Model is guaranteed to shoot 1/2" MOA groups.

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## BARRETT MODEL 82A1



<b>Caliber:</b>	50
<b>Action:</b>	Semi-automatic Rifle
<b>Capacity:</b>	5 or 10-Round Detachable Magazine
<b>Barrel:</b>	29"
<b>Weight:</b>	28.5 pounds
<b>Length:</b>	57"
<b>Stock:</b>	Synthetic
<b>Price:</b>	\$7,300
<b>Misc:</b>	Match-grade barrel, high-efficiency muzzle brake, extendable bipod legs, Picatinny-style rail, carry handle, comes equipped with airtight/watertight carrying case.



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## BROWNING BAR



<b>Caliber:</b>	243, 270, 7mm Rem. Mag., 308, 30-'06, 300 Win. Mag., 338 Win. Mag., 22-250, 25-06
<b>Action:</b>	Semi-automatic
<b>Barrel:</b>	20" in lightweight, 22" in standard, 24" in Magnum calibers
<b>Weight:</b>	7.125 to 8.375 pounds
<b>Length:</b>	41" in lightweight, 43" in standard, 45" in Magnum calibers
<b>Stock:</b>	French walnut with hand checkering
<b>Finish:</b>	Blue
<b>Price:</b>	\$833
<b>Misc:</b>	New bolt release lever, redesigned gas and buffer system, magazine fed, available with optional BOSS. Many different models and variations available including the new lightweight stalker and high grade models.

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## CALICO LIBERTY 50 & 100 CARBINE SERIES



<b>Caliber:</b>	9mm Para. (50 or 100 round magazines)
<b>Action:</b>	Semi-automatic retarded blowback, CETME type
<b>Barrel:</b>	16"
<b>Weight:</b>	7 pounds
<b>Length:</b>	34.5" overall
<b>Stock:</b>	Glass filled, impact resistant polymer
<b>Finish:</b>	Black and phosphate
<b>Price:</b>	\$860 to \$925
<b>Misc:</b>	Helical fed magazine, ambidextrous safety, static cocking handle, rotating sear/striker block safety.

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## COLT MATCH TARGET RIFLES

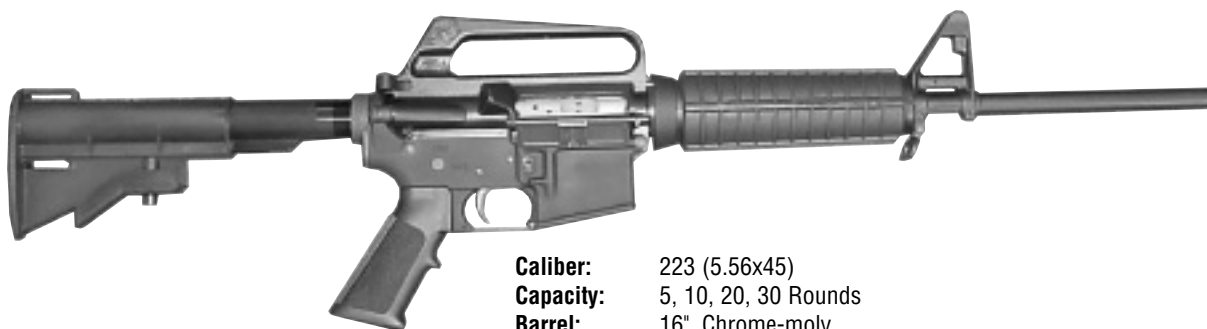


<b>Caliber:</b>	223 Rem.
<b>Capacity:</b>	8 round, 5 shot detachable box magazine
<b>Barrel:</b>	16" to 20"
<b>Weight:</b>	8 to 8.5 pounds
<b>Length:</b>	34.5" to 39"
<b>Stock:</b>	Composition stock grip forend
<b>Finish:</b>	Military matte black
<b>Price:</b>	\$1,040 to \$1,295
<b>Misc:</b>	Features include: sling swivels, forward bolt assist.

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## DPMS PANTHER CLASSIC LITE 16



**Caliber:** 223 (5.56x45)  
**Capacity:** 5, 10, 20, 30 Rounds  
**Barrel:** 16", Chrome-moly  
**Weight:** 7.5 pounds  
**Stock:** Synthetic  
**Price:** \$789  
**Misc:** Windage/elevation adjustable A2 sights. Other models available.

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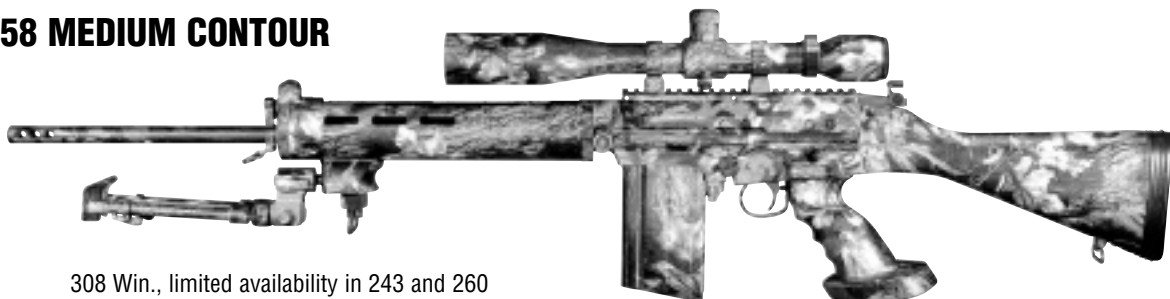
## DSA SA58 CARBINE



**Caliber:** 308 Win., limited availability in 243 and 260  
**Capacity:** 5, 10 or 20 round detachable metric pattern  
**Barrel:** 1 in 11" twist, 16.25" premium grade 4140 chrome moly or 416R stainless steel U.S. manufactured barrel with integrally machined muzzle brake — double stress relieved then cryogenically treated.  
**Weight:** 8.25 pounds  
**Length:** 38.25" overall length  
**Stock:** Injection molded fiberglass reinforced synthetic handguard, variety of camo finishes available  
**Finish:** 4140 steel — manganese phosphate, aluminum — hard anodized  
**Price:** \$1,395, stainless steel \$1,645; camo option additional  
**Misc:** U.S. made, gas operated semi-automatic with fully adjustable gas system, heat treated 4140 high grade steel or 416 stainless steel upper receiver machined from a 19 pound solid billet, elevation adjustable protected post front sight with windage adjustable rear peep sight.

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## DSA SA58 MEDIUM CONTOUR



**Caliber:** 308 Win., limited availability in 243 and 260  
**Capacity:** 5, 10 or 20 round detachable metric pattern  
**Barrel:** 1 in 11" twist, 21" premium grade 4140 chrome moly or 416R stainless steel U.S. manufactured barrel with integrally machined muzzle brake — double stress relieved then cryogenically treated.  
**Weight:** 9.75 pounds  
**Length:** 43" overall length  
**Stock:** Injection molded fiberglass reinforced synthetic handguard, variety of camo finishes available  
**Finish:** 4140 steel — manganese phosphate, aluminum — hard anodized  
**Price:** \$1,475, Stainless Steel Barrel \$1,525; scope, mount, bipod, free float handguard, target grip and camo options additional  
**Misc:** U.S. made, gas operated semi-automatic with fully adjustable gas system, heat treated 4140 high grade steel or 416 stainless steel upper receiver machined from a 19 pound solid billet, elevation adjustable protected post front sight with windage adjustable rear peep sight.

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## DSA SA58 STANDARD



**Caliber:** 308 Win.  
**Capacity:** 5, 10 or 20 round detachable metric pattern  
**Barrel:** 1 in 11" twist, 21" premium grade 4140 chrome moly  
U.S. manufactured barrel with integrally machined muzzle brake — double stress relieved then cryogenically treated.  
**Weight:** 8.75 pounds  
**Length:** 43" overall length  
**Stock:** Injection molded fiberglass reinforced synthetic handguard, variety of camo finishes available  
**Finish:** 4140 steel — manganese phosphate, aluminum — hard anodized  
**Price:** \$1,395  
**Misc:** U.S. made, gas operated semi-automatic with fully adjustable gas system, heat treated 4140 high grade steel upper receiver machined from a 19 pound solid billet, elevation adjustable protected post front sight with windage adjustable rear peep sight. Many other models available.

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## DSA SA58 OSW



**Caliber:** 7.62 NATO  
**Capacity:** 10 or 20 round detachable metric pattern  
**Barrel:** 1 in 11" twist, 11" or 13" precision C.N.C.  
turned 4140 chrome moly barrel with muzzle brake, double stress relieved then cryogenically treated.  
**Weight:** 7.85 lbs  
**Length:** 33" overall length  
**Stock:** Injection molded fiberglass reinforced synthetic handguard, variety of camo finishes available  
**Finish:** 4140 steel — manganese phosphate, aluminum — hard anodized  
**Price:** \$1,575; Rail interface handguard, vertical foregrip system, holographic sight and cheekrest options additional  
**Misc:** U.S. made, gas operated semi-automatic or select fire with fully adjustable gas system, heat treated 4140 high grade steel upper receiver machined from a 19 pound solid billet.

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## DS ARMS SA58 RIFLES



**Caliber:** 308 Win.  
**Capacity:** 20 shot detachable box magazine  
**Barrel:** 16.25"  
**Weight:** 8.25 pounds  
**Length:** 38.25"  
**Stock:** Synthetic  
**Finish:** Military matte black  
**Price:** \$1,595  
**Misc:** Features include: last shot bolt hold open, elevation adjustable protected post front sight, and tilting bolt locking system.

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## KEL-TEC SUB RIFLE 2000



<b>Caliber:</b>	9mm, 40 S&W
<b>Capacity:</b>	Various double columns
<b>Action:</b>	Semi-automatic
<b>Barrel:</b>	16.1"
<b>Weight:</b>	4 pounds (unloaded)
<b>Length:</b>	30" (open); 16" (closed)
<b>Stock:</b>	Tubular steel stock with polymer butt stock
<b>Finish:</b>	Hard anodized black (aluminum parts) and blue (steel parts)
<b>Price:</b>	\$383
<b>Misc:</b>	By rotating the barrel upwards and back, the SUB-2000 can be reduced to a size of 16"x7" for secure storage. Also features an internal keyed deployment lock.

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## REMINGTON MODEL 7400 AUTOLOADING



<b>Caliber:</b>	7400/7400 Synthetic: 243 Win., 270 Win., 30-'06, 308 Win.
<b>Action:</b>	Semi-automatic, gas operated
<b>Capacity:</b>	4-shot magazine
<b>Barrel:</b>	22" round tapered (18.5" Carbine 30-'06 only)
<b>Weight:</b>	7.25 to 7.5 pounds
<b>Length:</b>	42.625" (39.125" Carbine)
<b>Stock:</b>	American walnut, deluxe cut-checkered pistol grip and forend or black synthetic
<b>Finish:</b>	Satin or high gloss finish
<b>Price:</b>	\$509 to \$624
<b>Misc:</b>	Gold bead front sight on ramp, windage adjustable step rear. Receiver tapped for scope, positive cross-bolt safety.

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## RUGER MINI-14/5 & MINI-14/5R RANCH RIFLES



<b>Caliber:</b>	223
<b>Action:</b>	Auto-loading, gas operated
<b>Capacity:</b>	5-shot detachable box magazine
<b>Barrel:</b>	18.5"
<b>Weight:</b>	6.5 to 6.875 pounds
<b>Length:</b>	37.13"
<b>Stock:</b>	American hardwood or synthetic
<b>Finish:</b>	Blued or satin stainless (K-models)
<b>Price:</b>	\$636 to \$745
<b>Misc:</b>	Available with or without rings. The ranch rifle comes with scope ring mounts cast onto the receiver. Side ejection designed for use with scope. Patented recoil buffer helps protect scope. Available with black synthetic stocks in stainless steel version K Mini-14/5P (\$696) and K Mini-14/5RP (\$745).

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## RUGER 99/44 DEERFIELD



**Caliber:** 44 Mag.  
**Action:** Auto-loading, gas operated  
**Capacity:** 4-shot detachable  
**Barrel:** 18.5"  
**Weight:** 6.25 pounds  
**Length:** 36.875"  
**Stock:** American hardwood  
**Finish:** Blued  
**Price:** \$675  
**Misc:** Standard accessories include high scope rings, cable lock with keys, scope protector and instruction manual. Rear sights are adjustable folding aperture; gold bead, front. Scope bases are integral to receiver.

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## RUGER MINI THIRTY



**Caliber:** 7.62x39 Russian Service Round, 223  
**Action:** Auto-loading  
**Capacity:** 5-shot detachable  
**Barrel:** 18.5"  
**Weight:** 6.875 pounds  
**Length:** 37.125"  
**Stock:** American hardwood or synthetic stock  
**Finish:** Blued or stainless steel  
**Price:** \$675 to \$745  
**Misc:** Designed for North American deer, the Mini Thirty has scope mounts cast onto the receiver and includes rings as standard equipment. Side ejection designed for use with scope. Patented recoil buffer helps protect scope.

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## RUGER PC4 AND PC9 CARBINE



**Caliber:** 40 (PC4) or 9x19 mm (PC9)  
**Action:** Mass impulse delayed blowback, auto-loading  
**Capacity:** 10 rounds  
**Barrel:** 16.25"  
**Weight:** 6.375 pounds  
**Length:** 34.375"  
**Stock:** Synthetic matte black  
**Finish:** Matte black oxide  
**Price:** \$605  
**Misc:** Ghost ring models PC 4GR or PC 9GR (\$628). Manual push button cross bolt safety and internal firing pin block safety, bolt lock to prevent accidental unloading or chambering of a cartridge. Sights are blade front, open rear or ghost ring sights, plus provision for scope mounts.

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## SPRINGFIELD ARMORY M1A, STANDARD, NATIONAL & SUPER MATCH



**Caliber:** 308 Win. (7.62mm NATO)  
**Action:** Rotating bolt, semi-automatic, gas operated  
**Barrel:** 22" without flash suppressor  
**Weight:** 9 to 11 pounds  
**Length:** 44.3"  
**Stock:** Fiberglass, walnut, heavy walnut match  
**Finish:** Parkerized  
**Price:** \$1,319 to \$2,895  
**Misc:** Accurizing and accessories available.  
5-, 10- or 20-shot box magazine.

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## THOMPSON MODEL 1927 A1



**Caliber:** 45 ACP  
**Action:** Semi-automatic  
**Barrel:** 16"  
**Weight:** 11.5 pounds  
**Length:** 42"  
**Stock:** Walnut, with vertical forend  
**Finish:** Blue  
**Price:** POR  
**Misc:** Deluxe and lightweight versions come with a legal 30-round stick magazine. 10-round drum sold separately. Also available, 20-round stick magazines. Available from Kahr Arms.

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## WILSON COMBAT URBAN TACTICAL RIFLE



**Caliber:** 5.56mm/223 Remington  
**Action:** Semi-automatic  
**Barrel:** 16.25"  
**Weight:** 6.5 pounds  
**Length:** 34.5"  
**Stock:** polymer  
**Finish:** Parkerized or optional Armour-Tuff  
**Price:** \$1,599  
**Misc:** Other models available



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## WILSON COMBAT TACTICAL PRECISION RIFLE



**Caliber:** 5.56mm/223 remington  
**Action:** Semi-automatic  
**Barrel:** 18"  
**Weight:** 6.5 pounds  
**Length:** 36.5"  
**Stock:** Polymer  
**Finish:** Parkerized or optional Armour-Tuff  
**Price:** \$1,599  
**Misc:** Other models available

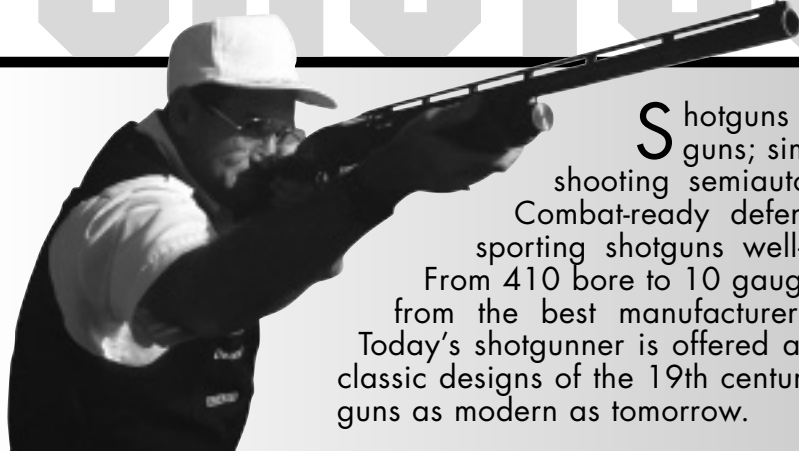
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## WILSON COMBAT TACTICAL CARBINE



**Caliber:** 5.56mm/223 remington  
**Action:** Semi-automatic  
**Barrel:** 16.25"  
**Weight:** 6.5 pounds  
**Length:** 34.5"  
**Stock:** Polymer  
**Finish:** Parkerized or optional Armour-Tuff  
**Price:** \$1,575  
**Misc:** Other models available

# SHOTGUNS



Shotguns for the choosing! Elegant double-guns; simple, reliable, single barrels; soft shooting semiautos; and workhorse pump guns. Combat-ready defensive shotguns and streamlined sporting shotguns well-suited to pleasant days afield. From 410 bore to 10 gauge, you'll find excellent selections from the best manufacturers, both domestic and foreign. Today's shotgunner is offered a wide array of choices from the classic designs of the 19th century to stainless and synthetic shotguns as modern as tomorrow.

## BOLT ACTION SHOTGUNS

### SAVAGE MODEL 210FT



**Gauge:** 12, 3"  
**Barrel:** 24"  
**Weight:** 7.5 pounds  
**Length:** 43.5"  
**Stock:** Glass-filled polymer  
**Finish:** Advantage camo  
**Price:** \$466  
**Misc:** Ventilated rubber recoil pad, swivel studs, lightweight, controlled round feed, triple front locking lugs, drilled and tapped scope mounting, bead front sight.

## OVER/UNDER SHOTGUNS

### AMERICAN ARMS SILVER I & II O/U



**Gauge:** 12 and 20 or 410 ga. (3"); 28 (2.75")  
**Barrel:** 26" (IC and Mod), 28" (Mod and Full)  
**Weight:** 6.75 pounds  
**Stock:** Checkered walnut  
**Finish:** Silver finished receiver, blue barrels  
**Price:** Silver I: \$649 (12 and 20 ga.) to \$679 (28 and 410 ga.)  
 Silver II: \$765 (12 and 20 ga.) to \$815 (28 and 410 ga.)  
 Silver II Two-barrel set: \$1,239  
**Misc:** Boxlock action, scroll engraving. Single selective trigger, manual safety, automatic ejectors. Metal bead front sights. Imported from Italy by American Arms, Inc.

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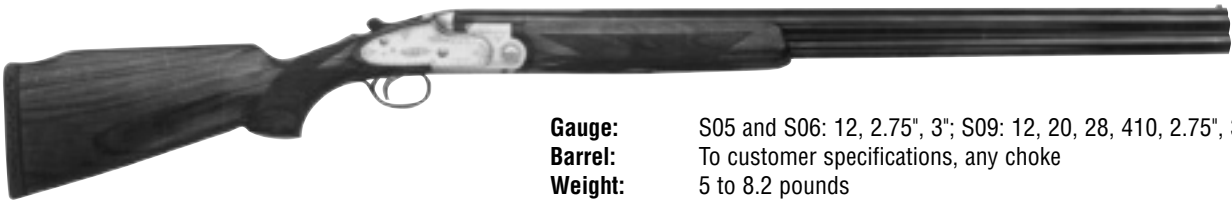
## AMERICAN ARMS SILVER SPORTING O/U



**Gauge:** 12 (2.75"), 20 (3")  
**Barrel:** 28" or 30" (Skeet, IC, Mod, Full choke tubes)  
**Weight:** 7.375 pounds  
**Length:** 45.5" overall  
**Stock:** Figured walnut  
**Finish:** Chrome-nickel frame, blue barrels  
**Price:** \$965  
**Misc:** Sporting Clays quick-mount butt pad. Boxlock action, single selective trigger and automatic ejectors. Chrome bores. Imported from Italy by American Arms, Inc.

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## BERETTA S05, S06, & S09 O/U



**Gauge:** S05 and S06: 12, 2.75", 3"; S09: 12, 20, 28, 410, 2.75", 3"  
**Barrel:** To customer specifications, any choke  
**Weight:** 5 to 8.2 pounds  
**Stock:** To customer specifications  
**Finish:** S05 has light scroll pattern hand-engraved side plates, silvered, with blue barrels. EELL models have fine hand engraving.  
**Price:** \$19,500 (S05 Trap, Skeet, Sporting Clays); \$25,000 (S06 Field, Trap, Skeet, Sporting Clays); \$42,750 (S06 EELL Field custom); \$44,500 (S09)

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## BERETTA WHITEWING



**Gauge:** 12, 20  
**Barrel:** 26" & 28"  
**Weight:** 6.7 pounds  
**Stock:** Walnut, checkered  
**Finish:** Gloss  
**Price:** \$1,298 to \$1,398 (Blackwing with Schnadel forend)

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## BERETTA SERIES 682 GOLD E TRAP, SKEET & SPORTING CLAYS O/U



**Gauge:** 12, 3"  
**Barrel:** 28", 30", 32", 34"  
**Weight:** 7.5 to 8.8 pounds  
**Stock:** Close-grained, highly selected walnut  
**Finish:** Greystone receiver with matte black barrels  
**Price:** \$2,790 to \$3,845 (Gold Trap Top Combo)  
**Misc:** Available in a single O/U barrel or a combo set with an extra O/U trap barrel set. Triggers are auto and selective on low profile box lock action. Imported from Italy by Beretta U.S.A.

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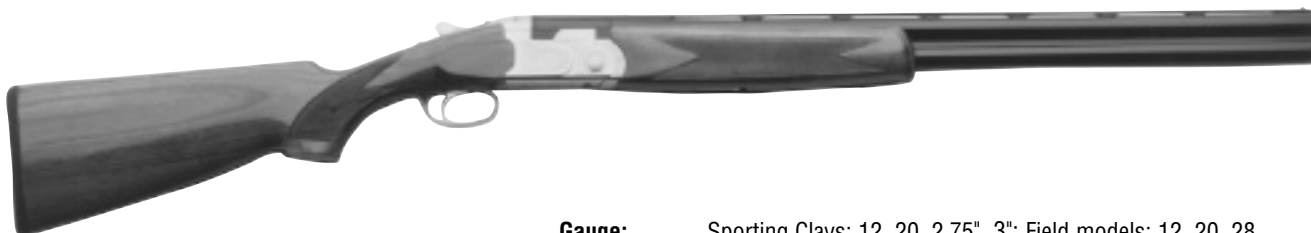
## BERETTA S682 SERIES O/U



<b>Gauge:</b>	12, 2.75", 3"
<b>Barrel:</b>	28", 30", 31", 32", 34"
<b>Weight:</b>	7.5 to 8.8 pounds
<b>Stock:</b>	Highly select walnut, Monte Carlo style available
<b>Finish:</b>	Oil or matte
<b>Price:</b>	\$3,100 to \$4,610
<b>Misc:</b>	Receiver available in Greystone or nickel finish with scroll engraving, adjustable stock available with stock memory system.

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## BERETTA S686 & S687 SERIES O/U



<b>Gauge:</b>	Sporting Clays: 12, 20, 2.75", 3"; Field models: 12, 20, 28, 410 in 2.75", 3" and 3.5"
<b>Barrel:</b>	Sporting Clays: 28", 30", 32" (Mobilchoke); Field models: 26", 28" (Mobilchoke)
<b>Weight:</b>	5.3 to 8.2 pounds
<b>Stock:</b>	Hand-checked walnut
<b>Finish:</b>	Matte barrels
<b>Price:</b>	\$1,869 (686 Silver Pigeon) to \$6,245 (687 EELL Diamond Pigeon Skeet 2-bbl set)
<b>Misc:</b>	The EL & EELL versions have engraved side locks. The 686 and 687EL Silver Pigeon versions are also available with silvered receivers.

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## BERETTA S686 ONYX & S686 ONYX SPORTING O/U



<b>Gauge:</b>	12 and 20, 3"
<b>Barrel:</b>	26", 28", 30" mobilchoke tube
<b>Weight:</b>	6.8 to 7.7 pounds
<b>Stock:</b>	Selected walnut, checkered
<b>Finish:</b>	Semi-matte black receiver
<b>Price:</b>	\$1,639 to \$1,778 (X-tra Wood Models)

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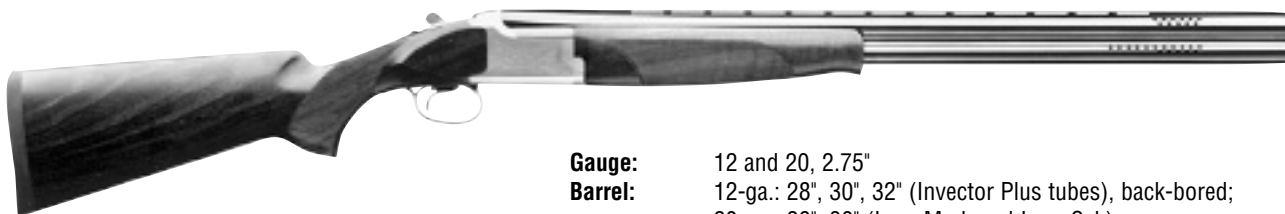
## BERETTA ULTRALIGHT & ULTRALIGHT DELUXE



**Gauge:** 12, 2.75"  
**Barrel:** 26", 28"  
**Weight:** 5.75 pounds  
**Stock:** Select walnut, checkered  
**Finish:** Gloss, Ultralight Deluxe has matte oil finish  
**Price:** \$1,931 to \$2,323  
**Misc:** Electroless nickel finish receiver with game scene engraving.

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## BROWNING CITORI 425 SPORTING CLAYS



**Gauge:** 12 and 20, 2.75"  
**Barrel:** 12-ga.: 28", 30", 32" (Invector Plus tubes), back-bored;  
20-ga.: 28", 30" (Imp. Mod. and Imp. Cyl.)  
**Weight:** 7.8 pounds  
**Stock:** Select walnut  
**Finish:** Satin finished walnut  
**Price:** Grade I: \$1,855; Golden Clays: \$3,507  
**Misc:** Grayed receiver with engraving, blued barrels. Barrels are ported on 12-gauge guns. Has 10mm wide vent ribs. Comes with three interchangeable trigger shoes to adjust length of pull.

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## BROWNING CITORI O/U



**Gauge:** 12, 20, 28, 410; 2.75" and 3" chamber  
**Barrel:** 26", 28" (Invector Plus: 12 and 20; Invector: 28 and 410, Back-bored, 12 and 20 ga.)  
**Weight:** 6.5 to 7.75 pounds  
**Length:** 41" (24" Barrel) or 47" (30" Barrel)  
**Stock:** Hand checkered select walnut in all Grade I guns  
**Finish:** Blue  
**Price:** \$1,534 to \$3,893 (standard Citori Lightning Superlight models in grades I to VI); \$1,486 (Gram Lightning); \$1,564 to \$1,636 (Lightning Sporting Clays with Invector-Plus); \$1,800 to \$3,396 ; \$1,636 to \$1,856 (Special Sporting Clays with Invector-Plus)  
**Misc:** Many other models and grades available. Higher grade wood and metalwork is included in the higher grade models. Imported from Japan by Browning.

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## BROWNING CITORI LIGHTNING FEATHER



**Gauge:** 12, 2.75"  
**Barrel:** 26", 28"  
**Weight:** 7.56 pounds to 7.69 pounds  
**Length:** 43", 45"  
**Stock:** Select walnut, checkering  
**Finish:** Grayed  
**Price:** \$1,744

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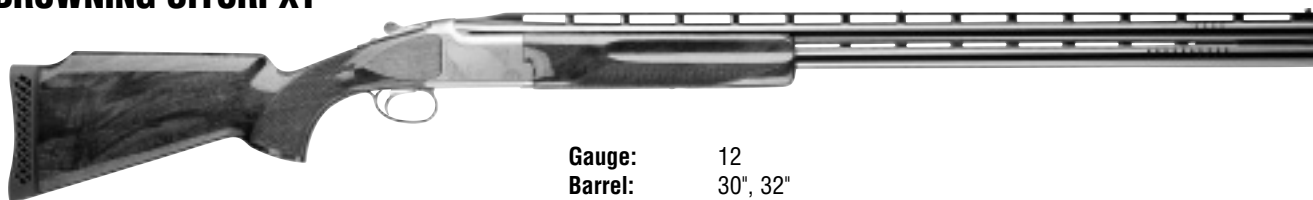
## BROWNING CITORI SUPERLIGHT FEATHER



**Gauge:** 12, 2.75"  
**Barrel:** 26", 28"  
**Weight:** 6 pounds  
**Length:** 43", 45"  
**Stock:** Select walnut, checkering  
**Finish:** Grayed  
**Price:** \$1,809

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## BROWNING CITORI XT



**Gauge:** 12  
**Barrel:** 30", 32"  
**Weight:** 8 pounds  
**Length:** 47", 49"  
**Stock:** Walnut  
**Finish:** Grayed Silver nitride with gold accents  
**Price:** \$2,083 (Monte Carlo), \$2,333 (adjustable comb)

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## BROWNING CITORI XS SERIES



**Gauge:** 12, 20, 28, 410  
**Barrel:** 28", 30"  
**Weight:** 6 to 8 pounds  
**Length:** 45.5" to 47.5"  
**Stock:** Walnut  
**Finish:** silver nitride  
**Price:** \$2,227 to \$3,796 (XS Pro Comp)  
**Misc:** Many different grades and models available.



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## BROWNING CITORI 525 SERIES



<b>Gauge:</b>	12 and 20
<b>Action:</b>	Over/Under
<b>Barrel:</b>	26", 28" and 30"
<b>Weight:</b>	6.6 to 8.3 pounds
<b>Length:</b>	43" to 47.5"
<b>Stock:</b>	Pronounced pistol grip and European comb.
<b>Finish:</b>	Blued
<b>Price:</b>	\$1,777 to \$3,993
<b>Misc:</b>	Many different grades and models available.

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## BROWNING SPORTING CLAYS MODELS



<b>Gauge:</b>	12 and 20; 2.75" to 3"
<b>Barrel:</b>	Lightning Sporting Clays: 30" back-bored Invector Plus barrels and either high post tapered or lower hunting rib; Special Sporting Clays: 28", 30", 32" with back-bored Invector Plus chokes porting
<b>Weight:</b>	7.3125 to 8.625 pounds
<b>Length:</b>	45" (28" bbl.) to 49" (32" bbl. Special Sporting)
<b>Stock:</b>	Select walnut, Sporting Clays stock dimensions
<b>Finish:</b>	Blue
<b>Price:</b>	Lightning Sporting: \$1,691 to \$1,770
<b>Misc:</b>	All models are specifically designed for sporting clays. All have a single selective trigger, three trigger shoes in varying styles, and adjustable length of pull. Ribs vary in all models from 1/2" low (Ultra Sporter) to high tapered post ribs (Special and Lightning Sporting). Adjustable comb is optional on all sporting clays models.

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## EAA/BAIKAL IZH-27 AND MP-233 OVER/UNDER SHOTGUNS



<b>Gauge:</b>	12, 16, 20, 410 (IZH-27); 12 (MP-233)
<b>Barrel:</b>	26.5", 28.5" (IZH-27); 26", 28", 30" (MP-233)
<b>Weight:</b>	7.28 pounds
<b>Stock:</b>	Walnut (MP-233), hardwood or walnut (IZH-27)
<b>Finish:</b>	Grayed
<b>Price:</b>	POR
<b>Misc:</b>	Hammer forged barrels, machined receivers, automatic tang safety (IZH-27), removable trigger assembly (single selective or double) (MP-233).

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## FABARM MAX LION OVER/UNDER



**Gauge:** 12 and 20  
**Barrel:** 26", 28", 30"  
**Weight:** 7.4 pounds  
**Stock:** European walnut  
**Length:** 47.5" to 51.5"  
**Finish:** Silver  
**Price:** \$1,899  
**Misc:** 3" chamber, single selective adjustable trigger, auto ejectors, set of five choke tubes, locking fitted luggage case. Imported by Heckler & Koch, Inc.

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## HK FABARM LION SERIES OU



**Gauge:** 12, 3.5" or 20, 3"  
**Action:** Over and under  
**Barrel:** 20", 24", 26", 28" and 30"  
**Weight:** 6 to 7.9 pounds  
**Length:** 37.25" to 47.3"  
**Stock:** Walnut, camo pattern on some models  
**Finish:** Silver, case color or camo  
**Price:** \$1,199 to \$1,899  
**Misc:** Many models and variations available. Free carrier, alloy receiver. Lifetime warranty.

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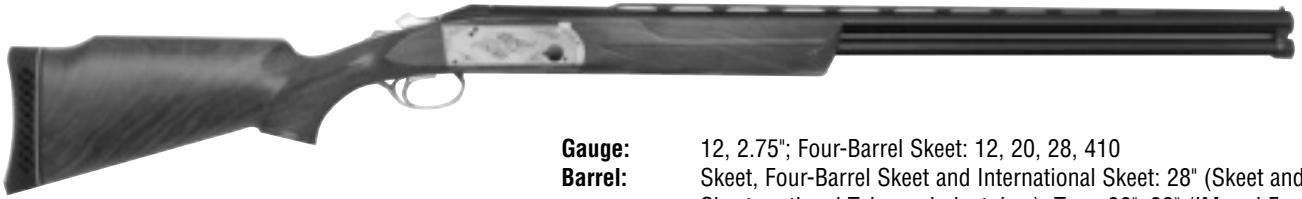
## KIMBER AUGUSTA O/U SHOTGUNS



**Gauge:** 12, 2.75" (Trap & Skeet), 3.0" (Field & Sporting)  
**Action:** Over and under  
**Barrel:** 26" to 34"  
**Weight:** 7.5 pounds  
**Stock:** High grade walnut  
**Finish:** Blue, coin-finished receiver on Field and Sporting models  
**Price:** POR  
**Misc:** Features vary by model. Back bored barrels, Hi-Viz sights, Pachmeyr Decelerator pads. Automatic ejectors, choke sets standard.

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## KRIEGHOFF K-80 SERIES SPORTING SHOTGUNS



- Gauge:** 12, 2.75"; Four-Barrel Skeet: 12, 20, 28, 410  
**Barrel:** Skeet, Four-Barrel Skeet and International Skeet: 28" (Skeet and Skeet, optional Tula or choke tubes); Trap: 30", 32" (IM and F, or choke tubes); Live Bird: 28", 30" (Imp. Mod. and Super Full, or choke tubes), 29" (Imp. Mod. and Special Full)  
**Weight:** 7 to 8.5 pounds  
**Stock:** European walnut  
**Finish:** Satin nickel plated receiver, blue barrels  
**Price:** \$6,900 to \$11,840 (Skeet); \$7,375 to \$9,975 (Trap); \$7,825 (International Skeet); \$16,950 (Four-Barrel Skeet)  
**Misc:** Selective mechanical triggers, three rib designs, choke tubes available on all models at extra cost. Imported from Germany by Krieghoff International, Inc. Two barrel sets available.

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## MAROCCHI CONQUISTA O/U SHOTGUN



- Gauge:** 12, 2.75"  
**Barrel:** 28", 30", 32"  
**Weight:** 8 pounds  
**Stock:** American walnut with checkering; right or left hand  
**Price:** Grade I: \$1,995 to \$2,120; Grade II: \$2,330 to \$2,685; Grade III: \$3,599 to \$3,995  
**Misc:** Has lower monoblock and frame profile. Fast lock time. Ergonomically-shaped trigger is adjustable for pull length and weight. Comes with five choke tubes, hard case. Imported from Italy by Precision Sales International.

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## MERKEL O/U SHOTGUNS



- Gauge:** 12 and 20, 28; 2.75" and 3"  
**Barrel:** 26.75", 28", 30"  
**Weight:** 6.4 to 7 pounds  
**Stock:** Luxury grade walnut  
**Price:** \$5,495 (200EL) to \$19,995 (303EL)  
**Misc:** Models available 2000EL (Standard and Sporter), 2001EL (Standard and Sporter), 2002EL, 303EL. All boxlock except 303EL (sidelock). Kersten Double cross-bolt locking mechanism, single selective or double triggers, manual safety, automatic ejectors, English or pistol grip. Silver-grayed receiver with light scroll engraving or detailed hunting scenes.



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## PERAZZI O/U SHOTGUNS



<b>Barrel:</b>	12, 20, 28 ga. and 410 bore, 2.75" (3"-20 ga.) 26" to 34", standard chokes
<b>Weight:</b>	6.5 to 8.5 pounds
<b>Stock:</b>	Select walnut
<b>Finish:</b>	Deep blue to highly engraved with blue barrels
<b>Price:</b>	MX8/MX8 Special Trap/Skeet: \$8,670 to \$9,010; MX8 Sporting Classic: \$10,950; MX12 Hunting: \$8,670 to \$9,290; MX20 Hunting: \$8,670 to \$9,290; MX28 and MX410 Hunting: \$17,330
<b>Misc:</b>	Combo versions for trap are also available.

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## REMINGTON MODEL 332 O/U



<b>Gauge:</b>	12
<b>Action:</b>	O/U
<b>Barrel:</b>	26"; 28", and 30"
<b>Weight:</b>	7.5 to 8 pounds
<b>Length:</b>	42.75" to 47.25"
<b>Stock:</b>	American walnut
<b>Finish:</b>	Satin Blued
<b>Price:</b>	\$1532
<b>Misc:</b>	Ivory bead front sight. Engraving/checkering standard.

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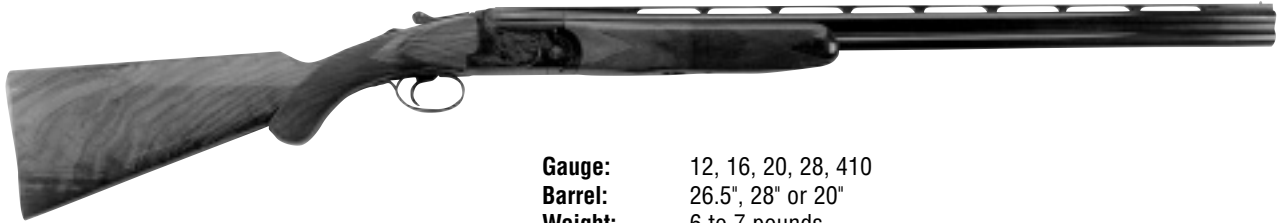
## RIZZINI MODEL S 782 EMEL



<b>Gauge:</b>	12, 2.75"
<b>Barrel:</b>	26", 27.5" (Imp. Cyl. and Imp. Mod.)
<b>Weight:</b>	7 pounds
<b>Stock:</b>	Extra fancy select walnut
<b>Finish:</b>	Silvered
<b>Price:</b>	\$9,200 and up
<b>Misc:</b>	Hand engraved with Bulino game scenes and gold inlays by Italy's most famous engravers. Delivered in all leather presentation style luggage case with accessories. Imported from Italy by Wm. Larkin Moore & Co.

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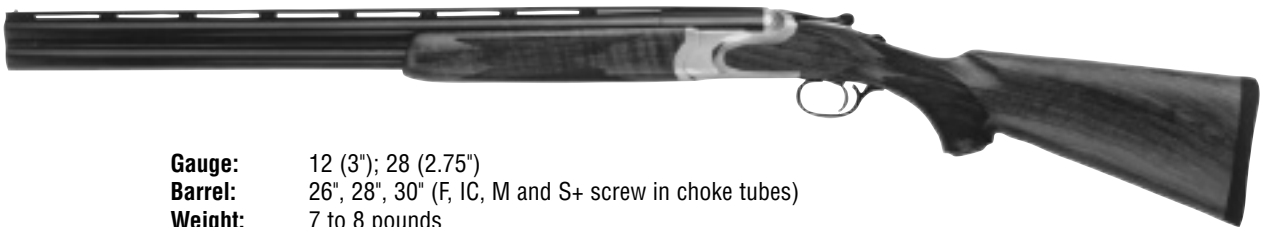
## RIZZINI MODEL UPLAND EL



**Gauge:** 12, 16, 20, 28, 410  
**Barrel:** 26.5", 28" or 20"  
**Weight:** 6 to 7 pounds  
**Stock:** Select Turkish walnut with checkered butt  
**Finish:** Case-hardened  
**Price:** \$2,800 and up  
**Misc:** Boxlock action, single selective trigger, detailed engraving on silvered receiver. ABS type luggage case. Imported from Italy by Wm. Larkin Moore and Co.

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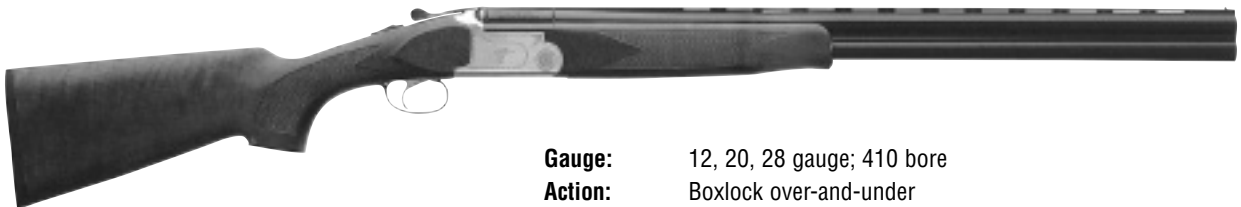
## RUGER RED LABEL & WOODSIDE



**Gauge:** 12 (3"); 28 (2.75")  
**Barrel:** 26", 28", 30" (F, IC, M and S+ screw in choke tubes)  
**Weight:** 7 to 8 pounds  
**Length:** 43" to 47"  
**Stock:** Choice of blue or stainless  
**Finish:** Satin finished stainless receiver, blued rib and barrels  
**Price:** \$1,399 (with Screw-in Chokes), \$1,443 (Sporting Clays — 12 or 20 ga.) or \$1,889 (Woodside)  
**Misc:** Red Label features hammer forged barrels, single selective trigger, tang safety, vent rib. Woodside series features a Circassian walnut stock with a pistol grip or straight stock. Available in 12 gauge and 20 gauge (Red Label only) with barrel lengths of 26", 28" or 30" with choke tubes, new stainless and engraved versions available. A 12 gauge Trap model with a deluxe walnut checkered stock is also available for \$2,850.

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## SILMA MODEL 70EJ



**Gauge:** 12, 20, 28 gauge; 410 bore  
**Action:** Boxlock over-and-under  
**Barrel:** 28" (Deluxe and Standard); 26" (Superlight)  
**Weight:** 6.9 to 7.6 pounds; 5.6 pounds (Superlight)  
**Length:** 45", 43"  
**Stock:** Premium European walnut (Deluxe); Standard walnut (Standard)  
**Finish:** Blued barrels, polished steel receiver; alloy receiver (Superlight)  
**Price:** \$657 to \$735; \$817 to \$950 (Deluxe); \$995 (Superlight)  
**Misc:** Chrome-moly steel barrels, raised ventilated rib. Automatic ejectors, automatic safety. 3.5" chambers (12 gauge), 3" chambers (20 gauge and 410 bore; 12 gauge Superlight); 2.75" (28 gauge). Multichoke tubes (IC, M, F) or fixed chokes (IC/M or M/F). Single mechanical trigger, gold (Deluxe) or silver (Standard). Engraved brushed receivers. Rubber recoil pad. From Legacy Sports International.

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## SKB 85TSS SPORTING CLAYS, SKEET, AND TRAP MODELS



- Gauge:** 12, 20, 28 and 410  
**Action:** O/U  
**Barrel:** 28", 30", 32" and 34"  
**Stock:** Matte finish with 17 line checkering  
**Finish:** Silver nitrate with rolled engraving  
**Price:** \$1,949 to \$3,279 (sets \$3,149 to \$4,859)  
**Misc:** Many model variations available including skeet and clay sets with extra interchangeable barrels. Optional pigeon porting by Mag-Na-Port is also available. Optional adjustable combs.

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## SKB MODELS 585 & 785 O/U SHOTGUNS



- Gauge:** 12 and 20, 28, 410; 2.75", 3"  
**Barrel:** 26", 28", 30", 32", 34" (Inter-Choke tube, 12 ga.), 26", 28" (Inter-Choke tube, 20 ga.) 26", 28" (Inter-Choke tubes, 28 ga.), 26", 28" (IC & M, M & F, 410)  
**Weight:** 6.5 to 8.5 pounds  
**Length:** 43" to 51.4"  
**Stock:** Walnut, checkered with high-gloss finish  
**Finish:** Silver nitride finish with engraving  
**Price:** Field: \$1,329 to \$2,029; Field Sets: \$2,129 to \$2,929; Sporting Clays and Sets: \$1,479 to \$2,999; Skeet and Sets: \$1,479 to \$4,089; Trap: \$1,429 to \$2,029; Trap Combo: \$2,129 to \$2,829;  
**Misc:** Field, Trap, Skeet and Sporting Clays versions available in 585 and 785 (high grade) models; Boxlock action, automatic selective ejectors, single-selective trigger and manual safety; Gold packages available.

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## STOEGER/IGA O/U CONDOR AND CONDOR SUPREME DELUXE MODEL SHOTGUN



- Gauge:** 12 and 20, 2.75" and 3"  
**Barrel:** 24" (Condor Supreme Deluxe); 26" (IC and M); 28" (M and F) choke tubes  
**Weight:** 7.5 to 7.8 pounds  
**Stock:** Oil-finished hardwood, American walnut (Supreme Deluxe)  
**Finish:** Blue  
**Price:** \$430 (Condor) to \$490 (Supreme Deluxe)  
**Misc:** Single trigger, vent rib, tang safety, extractors, checkered pistol grip and forend, recoil pad standard. Condor Supreme features ejectors, single selective trigger, red front & mini-beads, upgraded wood. Imported from Brazil by Stoeger Industries.



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## WEATHERBY ATHENA III, IV, V & ORION O/U SHOTGUN



**Gauge:** 12 and 20, 28, 3"  
**Barrel:** Field: 26", 28" & 30" with IMC multi choke tubes. Sporting: 28" & 30" with Sk/Sc1/Sc2/IC/Mod chokes  
**Weight:** 6.5 to 9 pounds  
**Length:** 43.25" to 49.5"  
**Stock:** American walnut  
**Finish:** Athena: Silvered engraved receiver, blue barrels; Orion: Blue  
**Price:** \$1,999 (Athena III), \$2,399 to \$2,799 (Athena IV & V); \$1,199 to \$1,899 (Orion Models)  
**Misc:** Selective automatic ejectors, single selective inertia set trigger.

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## PUMP ACTION SHOTGUNS

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### BENELLI NOVA PUMP SHOTGUNS



**Gauge:** 12, 2.75", 3", 3.5"  
**Barrel:** 18.5" (Nova Pump Slug), 24", 26", 28"  
**Weight:** 7.2 to 8.1 pounds (Nova Pump Rifled Slug)  
**Stock:** Synthetic or camo (Nova Pump)  
**Finish:** Athena: Silvered engraved receiver, blue barrels; Orion: Blue  
**Price:** \$325 to \$575 (Nova Pump Rifled Slug)  
**Misc:** Three choke tubes provided (improved cylinder, modified and full).

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### BROWNING BPS



**Barrel:** Hunting/Stalker: 10 ga. Mag. 3.5", 24" or 30" Invector; 12 ga. Mag. 3.5", 24" to 30" Invector-Plus; 12 ga. 3", 22" and 26" to 30" Invector-Plus; Standard Buck Special: 12 ga. 3", 24" Slug/Buck shot; Upland Special: 12 ga. and 20 ga. 3", 22" Invector-Plus; Hunter: 20 ga. 3", 26" to 28" Invector-Plus, 28 ga. 2.75" 26" to 28" Invector; Youth & Ladies: 20 ga. 3", 22" Invector, Micro 20 ga.  
**Weight:** 6.75 pounds (Youth & Ladies) to 9.5 pounds (10 ga. Hunting/ Stalker)  
**Length:** 41.75" (Youth) to 52" (10 ga.)  
**Stock:** Walnut and graphite-fiberglass composite (Stalker)  
**Finish:** Blue and dull matte blue (Stalker)  
**Price:** \$473 (Buck Special) to \$617 (10 ga. Camo Pump)  
**Misc:** Bottom eject, vent-rib (adjustable sights on Buck Special), pump action shotguns from Browning. Stalker model has a composite stock and forend with a totally non-reflective surface over the entire gun. Imported from Japan by Browning. Many Different rmodels and variations available.

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## FABARM FP6 PUMP ACTION SHOTGUN



**Gauge:** 12, 3"  
**Barrel:** 20", 14" TriBore system  
**Weight:** 6.4 to 6.7 pounds  
**Stock:** Polymer stock and forearm  
**Finish:** Matte, carbon fiber or black protective  
**Price:** \$499 to \$525  
**Misc:** 3" chamber; cylinder barrel-threaded for chokes.

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## HK FABARM FP6



**Gauge:** 12, 3"  
**Action:** Pump  
**Barrel:** 20"  
**Weight:** 6.5 to 6.7 pounds  
**Length:** 48.25"  
**Stock:** Polymer  
**Finish:** Black matte or carbo fiber  
**Price:** \$499  
**Misc:** Extended forearm has hard points for mounting accessories, threaded outer barrel for chokes, Ergal 55 alloy receiver, can use a variety of accessories, including folding stocks, compact hand grip, and magazine extension. Many grades of sporting and law enforcement models available. Lifetime warranty.

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## HK FABARM FIELD OR CAMO PUMP



**Gauge:** 12, 3"  
**Action:** Pump  
**Barrel:** 28"  
**Weight:** 7 pounds  
**Length:** 48.25"  
**Stock:** Polymer  
**Finish:** Black matte or camo  
**Price:** \$399 (black matte), \$469 (camo)  
**Misc:** Ergonomic extended forearm, choice of corrosion resistant black matte or Mossy oak Break-up camouflage. Accessory barrels available. Lifetime warranty.

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## ITHACA MODEL 37 ENGLISH ULTRAFEATHERLIGHT



**Gauge:** 16 gauge  
**Action:** Pump Shotgun  
**Barrel:** 22" or 24"  
**Weight:** 15.5 pounds  
**Stock:** Grade 2 American Black walnut, English style recoil pad.  
**Finish:** Blue  
**Price:** \$802  
**Misc:** Interchangeable barrels available for deer and turkey. Receiver is machined from a solid block of aircraft aluminum allowing for an overall weight of under 5.5 pounds.

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## ITHACA MODEL 37 DEERSLAYER III



<b>Gauge:</b>	20
<b>Action:</b>	Pump Shotgun
<b>Barrel:</b>	26"
<b>Weight:</b>	9.5-10 pounds
<b>Stock:</b>	Monte Carlo laminate with cut checkering, ventilated recoil pad.
<b>Finish:</b>	Matte blue
<b>Price:</b>	\$899
<b>Misc:</b>	Factory mounted Weaver style scope base. Fully free floated barrel, with a 3" chamber and is fully rifled.

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## ITHACA MODEL 37 PUMP SHOTGUNS



<b>Gauge:</b>	12, 16, 20, 3"
<b>Barrel:</b>	20" to 30" with chokes in DS, DSR, DSR1, DSR2 and CTF.
<b>Weight:</b>	6.75 to 7 pounds
<b>Stock:</b>	Walnut and Monte Carlo (Deerslayer II) and synthetic
<b>Finish:</b>	High-gloss lacquer (Deerslayer II) and camo (Turkeyslayer)
<b>Price:</b>	\$546 to \$696
<b>Misc:</b>	Five shot magazines, extra barrels and chokes available, bottom ejection, accommodates both right- and left-hand shooters. Water-fowler, turkey-slayer and deer-slayer models available in Realtree camo patterns.

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## MOSSBERG 835 ULTI-MAG WOODLANDS CAMO

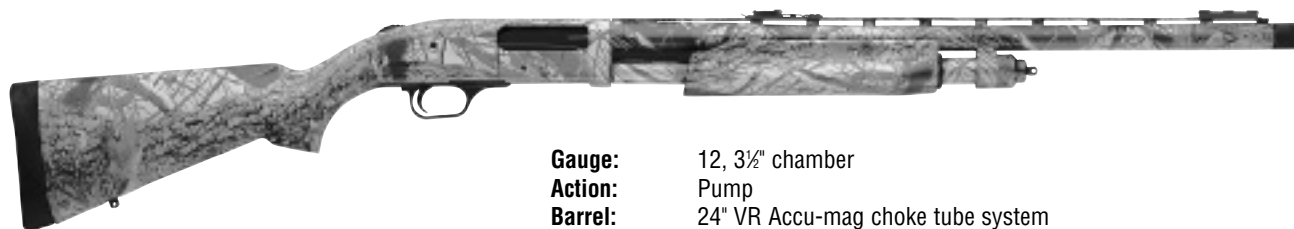


<b>Gauge:</b>	12 gauge, 3" chamber
<b>Action:</b>	Pump
<b>Barrel:</b>	28" and 24" VR Accu-mag choke tube system
<b>Weight:</b>	7.75 pounds (28")
<b>Length:</b>	48"
<b>Stock:</b>	Synthetic
<b>Finish:</b>	OFM Woodland painted camo
<b>Price:</b>	\$419 to \$437
<b>Misc:</b>	Overbored ported barrel, Adj. fiber-optic sight on Turkey model, ambidextrous safety, dual extractors. Cablelock included.



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## MOSSBERG 835 ULTI-MAG REALTREE HARDWOODS CAMO



<b>Gauge:</b>	12, 3½" chamber
<b>Action:</b>	Pump
<b>Barrel:</b>	24" VR Accu-mag choke tube system
<b>Weight:</b>	7.5 pounds
<b>Length:</b>	44.75"
<b>Stock:</b>	Synthetic camouflaged
<b>Finish:</b>	Fully camouflaged
<b>Price:</b>	\$541
<b>Misc:</b>	Also available with Advantage Timber, OFM Woodlands and Mossy Oak finishes, overbored, ported barrels, Adj. fiber-optic sights, ambidextrous safety, dual extractors. Cablelock included.

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## MOSSBERG 500 20 GAUGE "BANTAM" (YOUTH MODEL)



<b>Gauge:</b>	20
<b>Action:</b>	Pump
<b>Barrel:</b>	22" VR Accu-choke
<b>Weight:</b>	6.5 pounds
<b>Length:</b>	40.75"
<b>Stock:</b>	Cut Checkered Birch
<b>Finish:</b>	Honey Satin wood, blued metal
<b>Price:</b>	\$307-\$395
<b>Misc:</b>	E-Z Reach stock is 1" shorter than standard, has pistol grip closer to trigger guard and forearm is positioned closer to shooter. Available as slug model and camo Turkey model. Top tang safety, barrels fully interchangeable with standard 20 gauge models

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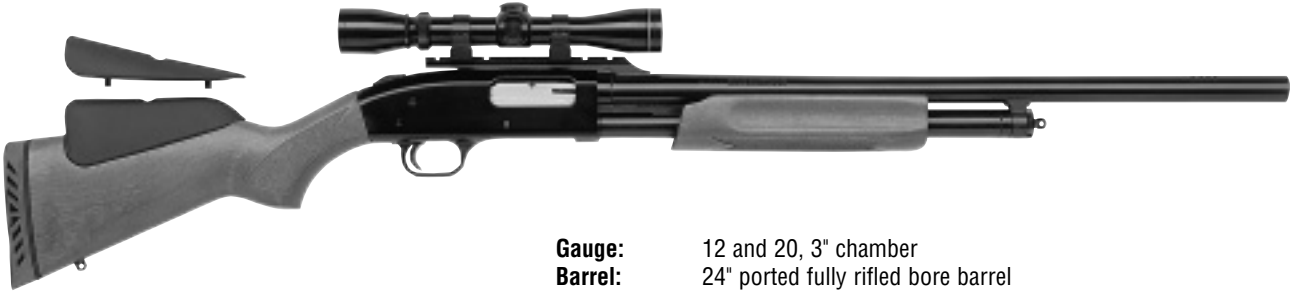
## MOSSBERG 500 SPORTING SERIES



<b>Gauge:</b>	12 and 20, 410, 3"
<b>Barrel:</b>	18.5" to 28" barrels with Accu-choke and vent rib
<b>Weight:</b>	6.25 (410) to 7.25 (12) pounds
<b>Length:</b>	48" (28" barrel)
<b>Stock:</b>	Cut-Checkered Honey Satin hardwood
<b>Finish:</b>	Blue
<b>Price:</b>	\$307 to \$410 (Sporting Combos)
<b>Misc:</b>	White bead front sights, ambidextrous thumb safety, twin extractors, many with ported barrels. Mossberg Cablelock included.

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## MOSSBERG 500 SLUGSTER



**Gauge:** 12 and 20, 3" chamber  
**Barrel:** 24" ported fully rifled bore barrel  
**Weight:** 7.25 pounds  
**Length:** 44"  
**Stock:** Honey Satin with dual comb inserts  
**Finish:** Blue  
**Price:** \$406  
**Misc:** Ambidextrous safety, twin extractors, recoil pad and quick detach swivel studs. Comes with integral scope mount. Mossberg Cablelock included.

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## MOSSBERG 835 ULTI-MAG SHOTGUN



**Gauge:** 12, 3.5" chamber  
**Barrel:** 24" and 28" Accu-Mag tubes, ported 24" rifled bore  
**Weight:** 7.75 pounds  
**Length:** 48.5"  
**Stock:** Cut checkered Honey satin finish or synthetic  
**Finish:** Blue  
**Price:** \$382  
**Misc:** Ambidextrous safety and twin extractors, back-bored and ported barrel. Mossberg Cablelock included.

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## REMINGTON MODEL 870 PUMP ACTION SHOTGUNS



**Gauge:** 12, 16, 20, 28, and 410  
**Barrel:** 20" to 30"  
**Weight:** 6 to 8 pounds  
**Length:** 41.5" to 50.5"  
**Stock:** American walnut and synthetic (Black and camo), hardwood  
**Finish:** Blue, matte black, camo  
**Price:** \$332 to \$784  
**Misc:** Models available: Wingmaster, Youth, Super Magnum 3.5, Express, Special Purpose, Classic Trap, Marine Magnum, Turkey, Deer, Police and Left-hand versions.

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## REMINGTON MODEL 870 EXPRESS SYNTHETIC 18"



<b>Gauge:</b>	12, 3"
<b>Barrel:</b>	18"
<b>Weight:</b>	7.25 pounds
<b>Length:</b>	38.5"
<b>Stock:</b>	Black synthetic stock and forend
<b>Finish:</b>	Matte black
<b>Price:</b>	\$319
<b>Misc:</b>	Features an 18" cylinder choke barrel and bead front sight.

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## REMINGTON MODEL 870 SUPER MAGNUM



<b>Gauge:</b>	12, 2.75", 3", 3.5"
<b>Barrel:</b>	23", 26" or 28"
<b>Weight:</b>	7.25 to 7.5 pounds
<b>Length:</b>	40.5 to 48.5"
<b>Stock:</b>	Hardwood or black synthetic and camo
<b>Finish:</b>	Matte or polished blue
<b>Price:</b>	\$376 to \$659
<b>Misc:</b>	Available in turkey and combo versions. Also available in Wingmaster, Special Purpose & Express.

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## WILSON COMBAT SCATTERGUN TECHNOLOGIES BORDER PATROL MODEL



<b>Gauge:</b>	12
<b>Action:</b>	Pump action
<b>Barrel:</b>	18"
<b>Weight:</b>	8 pounds
<b>Length:</b>	34"
<b>Stock:</b>	Polymer
<b>Finish:</b>	Parkerized or optional Armour-Tuff
<b>Price:</b>	\$735
<b>Misc:</b>	Other models available.



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## WILSON COMBAT SCATTERGUN TECHNOLOGIES STANDARD MODEL



**Gauge:** 12  
**Action:** Pump action  
**Barrel:** 18"  
**Weight:** 8 pounds  
**Length:** 34"  
**Stock:** Polymer  
**Finish:** Parkerized or optional Armour-Tuff  
**Price:** \$959  
**Misc:** Other models available.

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## WINCHESTER MODEL 1300 PUMP SHOTGUNS



**Gauge:** 12 and 20, 3"  
**Barrel:** 18", 22", 24", 28" with standard Winchoke tubes  
**Weight:** 6.4 to 7.25 pounds  
**Length:** 29" to 50"  
**Stock:** American walnut or WinTuff laminated with cut checkered pistol grip  
**Finish:** Blue and non-glare finish  
**Price:** \$343 (Ranger) to \$391 (Walnut & Upland Special)  
**Misc:** Roll-engraved receiver, cross-bolt safety, twin-action slide bars.

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## WINCHESTER MODEL 1300 DEER & TURKEY GUNS



**Gauge:** 12 and 20, 3"  
**Barrel:** 22" to 28" (Deer: rifled, VR or smooth; Turkey: VR or smooth)  
**Weight:** 6.75 to 7.25 pounds  
**Length:** 42.75" to 49"  
**Stock:** Deer: Black composite stock and forend  
Turkey: Realtree Camo synthetic  
**Finish:** Deer: Matte black  
Turkey: Matte black  
**Price:** \$329 (black synthetic) to \$353 (rifled barrel Deer model)  
**Misc:** Deer models available with either rifled or smooth barrels (with cylinder choke tube). Turkey comes with cylinder choke tube. Deer model features open sights and is drilled and tapped for scope mounting. Turkey model features a ventilated rib top, front bead sight, and is also drilled and tapped for a scoped sight.

# SEMI-AUTOMATIC SHOTGUNS

## A391 XTREMA 3.5



**Gauge:** 12, 24, 26 and 28  
**Weight:** 7.8 pounds  
**Stock:** Synthetic with rubber inlays  
**Finish:** Black synthetic; Realtree hardwoods 4D camo; Advantage Timber 4D Camo; Advantage Wetlands  
**Price:** \$1,129 to \$1,241  
**Misc:** Optima-choke plus with Optima bore.

## BENELLI LEGACY MODEL



**Gauge:** 12 and 20, 3"  
**Barrel:** 24", 26", 28" (SK, IC, M, IM and F)  
**Weight:** 7 to 7.5 pounds  
**Length:** 49.625"  
**Stock:** European walnut  
**Finish:** High gloss etched two-piece steel/aluminum receiver with bright on lower and blue upper  
**Price:** \$1,380  
**Misc:** Montefeltro rotating bolt inertia recoil operating system.

## BENELLI MONTEFELTRO SUPER 90 SERIES



**Gauge:** 12 and 20, 3"  
**Barrel:** 21", 24", 26" and 28" (tubes in F, IM, M and IC)  
**Weight:** 5.75 to 7.5 pounds  
**Length:** 40" to 45.5"  
**Stock:** Checkered walnut  
**Finish:** High gloss  
**Price:** \$975 to \$1,005  
**Misc:** Inertia recoil, rotating bolt action. Scope mount included. Left hand version available.

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## BENELLI M1 SUPER 90 SERIES



**Gauge:** 12 and 20, 3"  
**Barrel:** 21", 24", 26", 28" (choke tubes)  
**Weight:** 6.8 to 7.25 pounds  
**Length:** 39.75" to 41" overall  
**Stock:** High impact black polymer; wood on 26", 28"  
**Finish:** Blue (Field)  
**Price:** \$960 to \$1,145  
**Misc:** Ventilated rib barrel, comes with set of five choke tubes (Field), left-hand model and slug barrel available.

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## BENELLI M4 SUPER 90



**Gauge:** 12, 2.75", 3"  
**Barrel:** 18.5"  
**Weight:** 8.4 pounds  
**Length:** 39.8"  
**Stock:** Synthetic  
**Finish:** Matte  
**Price:** POR  
**Misc:** Gas-operated, quickly reconfigured without tools with choice of three modular buttstocks and two barrels.

---

## BERETTA AL391 URIKA SERIES



**Gauge:** 12 and 20, 3"  
**Barrel:** 24", 26", 28", 30" 32" (Mobilchoke tubes)  
**Weight:** 6.61 to 7.27 pounds  
**Stock:** Select walnut, adjustable drop cast or matte black synthetic  
**Finish:** Semi-gloss  
**Price:** \$984 (Urika) to \$1,254 (Urika Gold Trap), \$1,296 (Sporting)  
**Misc:** Ambidextrous safety, magazine cut-off; available in Urika, Urika Gold (Trap or Sporting) Urika Synthetic, Urika Camouflage and Urika Youth.



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## BERETTA 1201FP RIOT



**Gauge:** 12, 3"  
**Barrel:** 18" (fixed cylinder choke)  
**Weight:** 6.3 pounds  
**Stock:** Matte black technopolymer, grooved  
**Finish:** Matte black  
**Price:** \$890  
**Misc:** Designed for adverse field conditions. Blade front, adjustable rear sights. Five-round magazine capacity. Imported from Italy by Beretta.

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## BERETTA PINTAIL AUTO SHOTGUN



**Gauge:** 12, 3", 28"  
**Barrel:** 24" or 26" (Mobilchoke tubes)  
**Weight:** 7.3 pounds  
**Stock:** Checkered black synthetic  
**Finish:** Matte black  
**Price:** \$749 to \$932 (combo)  
**Misc:** Fully rifled barrel with 1:28" twist. Rifled slug available in combo set. Comes with sling swivels. Imported from Italy by Beretta.

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## BROWNING GOLD DEER HUNTER SEMIAUTOMATIC SHOTGUN



**Gauge:** 12 and 20, 3"  
**Barrel:** 22" rifled or standard invector with 5" rifled tube  
**Weight:** 7.75 pounds  
**Stock:** Walnut or synthec stock  
**Finish:** Blue or Mossy Oak Breakup  
**Price:** \$987 to \$1,046 (Mossy Oak)  
**Misc:** Special cantilever scope mount. Many different models available.

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## BROWNING GOLD SEMIAUTOMATIC SERIES



**Gauge:** 10, 3.5"; 12 and 20, 3", 3.5"  
**Barrel:** 26" to 30" with Standard Invector (10 ga.) and Invector Plus (12, 20 ga.) choke tubes  
**Weight:** 6.75 (20 ga.) to 10.9 (10 ga.) pounds  
**Length:** 46.25" (20 ga.) to 52" (10 ga.)  
**Stock:** Walnut, graphite/fiberglass composite (10 ga. Stalker only)  
**Finish:** Blue, Mossy Oak Breakup, Mossy Oak Shadow grass  
**Price:** \$894 to \$1,255  
**Misc:** Self-cleaning gas system and a lightweight composite buffer and aluminum gas piston help reduce recoil. Back-bored barrels. Four-shot magazine capacity. Browning 10 gauges manufactured in Japan. Now available in camo. 12 and 20 gauges made in Belgium. Many different grades and models available

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## EAA/BAIKAL MP-153 SEMIAUTOMATIC SHOTGUN



**Gauge:** 12, 3.5"  
**Barrel:** 18.5", 20", 24", 26", 28"  
**Weight:** 7.8 pounds  
**Stock:** Hardwood, walnut or polymer  
**Finish:** Black  
**Price:** POR  
**Misc:** Full length rib, tube magazine holds 4 + 1 rounds. Imported by European American Armory.

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## ESCORT SEMI-AUTOMATIC SHOTGUN



**Gauge:** 12  
**Action:** Gas-operated semi-automatic  
**Barrel:** 28"  
**Weight:** 7 pounds  
**Stock:** Turkish walnut; polymer  
**Finish:** Blued steel barrels; blued alloy receiver.  
**Price:** \$382 (polymer stock); \$404 (walnut stock)  
**Misc:** 3" chambers; Multi-choke tubes (IM/M/F) and wrench; screw adjustment for standard or magnum loads; magazine cut-off; 3-shot waterfowl plug; two stock adjustment shims; 7-shot magazine extender; sling swivel studs. From Legacy Sports International.

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## FRANCHI 48/AL



**Gauge:** 12 and 20, 28, 2.75"  
**Barrel:** 24", 26", 28" (Franchoke IC, M, Full choke tubes)  
**Weight:** 5.2 pounds  
**Stock:** Walnut with checkered grip and forend  
**Price:** \$700 to \$950  
**Misc:** Chrome-lined bores, cross-bolt safety, recoil operating action. Imported from Italy by Benelli U.S.A.

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## HK FABARM LION SERIES SEMI-AUTOS



**Gauge:** 12, 3"  
**Action:** Semi-automatic  
**Barrel:** 24", 26" and 28"  
**Weight:** 6.9 to 7.2 pounds  
**Length:** 44.25" to 48.25"  
**Stock:** Walnut or polymer, accessory folding stock available  
**Finish:** Blued, black matte or camo  
**Price:** \$849 to \$1,049  
**Misc:** Many other models and variations available. Free carrier, alloy receiver. Lifetime warranty.

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## REMINGTON SP-10 MAGNUM AUTO SHOTGUN



**Gauge:** 10, 3.5"  
**Barrel:** 26" or 30"; Remington chokes  
**Weight:** 10.75 to 11 pounds  
**Length:** 47.5" (Magnum Combo) to 51.5"  
**Stock:** Walnut or synthetic (black or camo)  
**Finish:** Matte, satin or camo  
**Price:** \$1,292 to \$1,412  
**Misc:** Ventilated rib barrel, three-shot magazine, full and modified.



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## REMINGTON 11-87 AUTOLOADING SHOTGUNS



**Gauge:** 12 and 20  
**Barrel:** 21" to 30"  
**Weight:** 6.5 to 8.5 pounds  
**Length:** 41.5" to 50.5"  
**Stock:** Satin finished American walnut, black or camo synthetic  
**Finish:** Blued, camo  
**Price:** \$765 to \$935  
**Misc:** Available with scope mounts, rifle sights and vent ribs. Extra barrels optional. Available models: Premier (RH & LH), Upland Special, Deer and Turkey versions, Special Purpose, Police, Super Magnum 3.5"

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## REMINGTON MODEL 1100 AUTOLOADING SHOTGUNS



**Gauge:** 12 and 20; 21" (Turkey and Deer)  
**Barrel:** 21" (LT-20 Deer and Turkey), 26" or 28"; Rem Choke tubes  
**Weight:** 6.5 to 7.5 pounds  
**Length:** 40.5" to 48"  
**Stock:** Black synthetic or camo  
**Finish:** Matte black  
**Price:** \$549 to \$629  
**Misc:** Vent Rib models standard.

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## REMINGTON 1100 TARGET AUTOLOADING SHOTGUNS



**Gauge:** 12 Classic trap, Sporting 12 and 20, 28  
**Barrel:** 25", 28", 30"  
**Weight:** 6.5 to 8.25 pounds  
**Length:** 45.75" to 50.5"  
**Stock:** American walnut  
**Finish:** Polished blue  
**Price:** \$868 to \$895  
**Misc:** Models feature sharp-cut checkering on the stocks and vent rib barrels with front bead sight. Extended Rem. chokes.

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## WILSON COMBAT SCATTERGUN TECHNOLOGIES STANDARD MODEL



**Gauge:** 12  
**Action:** Semi-auto  
**Barrel:** 18"  
**Weight:** 8.5 pounds  
**Length:** 34"  
**Stock:** Polymer  
**Finish:** Parkerized or optional Armour-Tuff  
**Price:** \$1,225  
**Misc:** Other models Available

## SIDE-BY-SIDE SHOTGUNS

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### AMERICAN ARMS GENTRY & BRITTANY SHOTGUNS



**Gauge:** Brittany: 12 and 20, 3"; Gentry: 12 and 20, 28, 410 bore, 2.75", 3"  
**Barrel:** 26", 28", IC/M, M/F (Gentry); 26", CT-3 (Brittany)  
**Weight:** 6.25 to 6.75 pounds  
**Stock:** Hand checkered walnut  
**Finish:** Case-hardened, engraved, steel frame  
**Price:** \$750 to \$885  
**Misc:** The Gentry and Brittany have boxlock actions. Imported from Spain by American Arms.

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### BERETTA 470 SILVER HAWK SIDE-BY-SIDE SHOTGUN



**Gauge:** 12 and 20, 3"  
**Barrel:** 26" or 28"  
**Weight:** 5.9 to 6.5 pounds  
**Stock:** Highly select walnut, finely checkered.  
**Finish:** Traditional oil, matte  
**Price:** \$2,596 to \$2,726  
**Misc:** Auto ejection or manual extraction, Electric Discharge Machining, progressive bottom locking system, corrosion-resistant, silver chrome finish on metal parts, single selective trigger, gold inlaid Hawk's head on top lever.

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## EAA/BAIKAL IZH-43 AND MP-213 SIDE-BY-SIDE SHOTGUNS



**Gauge:** 12 and 20 (IZH-43); 12 (MP-213)  
**Barrel:** 24", 26", 28"  
**Weight:** 7.3 pounds  
**Stock:** Walnut or hardwood  
**Finish:** Matte  
**Price:** POR  
**Misc:** Receivers and mono blocks, automatic tang safety (IZH-443). Imported by European American Armory.

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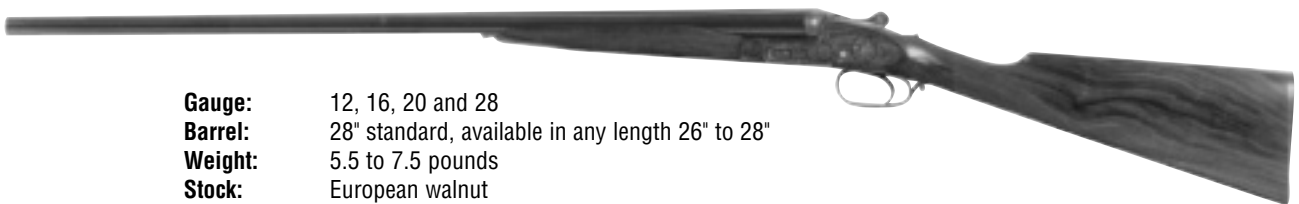
## EMF 1872 STAGECOACH SHOTGUN



**Gauge:** 12, 3"  
**Barrel:** 20"  
**Stock:** Checkered walnut  
**Finish:** Case-hardened receiver, blued barrels  
**Price:** \$575  
**Misc:** Functioning external hammers, two triggers, manual safety. Made in Spain by Aral.

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## GARBI MODEL 100 SERIES SIDE-BY-SIDE



**Gauge:** 12, 16, 20 and 28  
**Barrel:** 28" standard, available in any length 26" to 28"  
**Weight:** 5.5 to 7.5 pounds  
**Stock:** European walnut  
**Finish:** Color case-hardened, coin-finished optional  
**Price:** \$3,700 and up  
**Misc:** H&H type sidelock action, choked to customer specifications (IC-M standard), standard double trigger, upgraded wood and many other options available. Imported from Spain by Wm. Larkin Moore.

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## GARBI MODEL 200 SIDE-BY-SIDE



**Gauge:** 12, 16, 20 and 28  
**Barrel:** 26" or 28"  
**Weight:** 5.5 to 7.5 pounds  
**Stock:** Well-figured walnut  
**Finish:** Case-hardened  
**Price:** \$8,000 and up  
**Misc:** Heavy-duty locks and magnum proofed. Barrels choked to customer specifications, sidelock action and automatic ejectors. Double triggers standard but single trigger option available. Very fine Continental-style floral and scroll engraving. Imported from Spain by Wm. Larkin Moore.



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## HK FABARM CLASSIC LION SERIES SXS



**Gauge:** 12, 3" (Grade I & II); 12 ga., 2 $\frac{3}{4}$ " (Elite)  
**Action:** Side-by-side  
**Weight:** 7 to 7.5 pounds  
**Length:** 44.5" to 48.5"  
**Stock:** Enhanced walnut  
**Finish:** silver (Grade I & Grade II), case-hardened (Elite)  
**Price:** \$1,499 (Grade I), \$2,249 (Grade II), \$1,599 (Elite)  
**Misc:** Uses strong monoblock barrel construction and four separate lugs instead of two, eliminating any lateral weakness. The grade II has removeable side plates. Lifetime warranty.

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## IAR COWBOY EXPOSED HAMMER SIDE-BY-SIDE SHOTGUNS



**Gauge:** 12  
**Barrel:** 20" or 28"  
**Weight:** 7 pounds  
**Stock:** Walnut  
**Finish:** Bright finished lock with barrel blue or color case-hardened lock and brown patina finished barrel  
**Price:** \$1,895  
**Misc:** Two exposed hammer models available: both in either 20" or 28" barrels. Manufactured in Italy by European craftsmen.

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## MERKEL SIDE-BY-SIDE SHOTGUNS



**Gauge:** 410, 28, 20, 16, 12, 2.75" or 3"  
**Barrel:** 26.75" or 28"  
**Weight:** 6 to 7 pounds  
**Stock:** Oil finished walnut; regular or luxury grade  
**Finish:** Hand-engraved gray receiver  
**Price:** \$2,995 (47E) to \$9,695 (447SL)  
**Misc:** Boxlock Models: 47E, 147E, 147EL, 1620, 1620EL, 280EL and 360EL; Sidelock Models: 47SL, 147SL, 247SL, 1620SL, 280SL, 360SL and 447SL. All Merkel Side-by-Side Shotguns are equipped with Greener cross bolt locking systems, double under barrel locking lugs and automatic ejectors. Imported from Germany by GSI Inc.

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## PIOTTI SIDE-BY-SIDE SHOTGUN



**Gauge:** 10, 12, 16, 20, 28 and 410  
**Barrel:** 25" to 32" or to customer specs. Chokes as specified.  
**Weight:** Built to customer specified weight  
**Stock:** Fancy Turkish walnut or may be selected by customer  
**Finish:** Case-hardened or coin-finished  
**Price:** Boxlock from \$10,900  
**Misc:** A hand-made best quality gun. Every detail may be specified by the customer. Each gun is made to order. Approximate delivery time is 18 months. Imported from Italy by Wm. Larkin Moore. Available in boxlock and sidelock.

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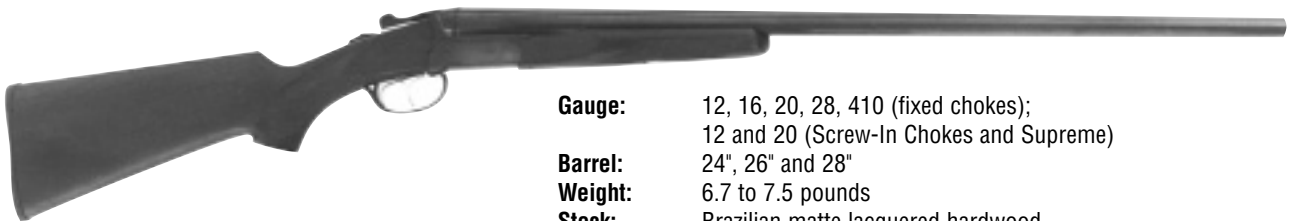
## RUGER GOLD LABEL SIDE-BY-SIDE SHOTGUN



**Gauge:** 12, 3.0"  
**Barrel:** 28"  
**Weight:** 6.5 pounds  
**Stock:** Grade A American walnut, straight or pistol grip.  
**Finish:** Blue, polished stainless receiver  
**Price:** \$1,950  
**Misc:** Single selective trigger, automatic ejectors. Furnished with choke tube set.

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## STOEGER/IGA UPLANDER SIDE-BY-SIDE SHOTGUN



**Gauge:** 12, 16, 20, 28, 410 (fixed chokes);  
12 and 20 (Screw-In Chokes and Supreme)  
**Barrel:** 24", 26" and 28"  
**Weight:** 6.7 to 7.5 pounds  
**Stock:** Brazilian matte lacquered hardwood,  
American walnut checkered stock (Supreme)  
**Finish:** Blue  
**Price:** \$325 to \$435 (Supreme)  
**Misc:** Automatic safety, extractors only. Double triggers and solid matted barrel rib. Imported from Brazil by Stoeger Industries.

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## TRISTAR "ROTA" MODEL 411 SIDE-BY-SIDE SHOTGUN



**Gauge:** 12, 20, 28 and 410  
**Barrel:** 26" to 28"  
**Stock:** Walnut pistol grip style with cut checkering  
**Finish:** Blued frame or case-colored frame  
**Price:** POR  
**Misc:** Double triggers, top tang safety, solid rib with matted sight plane.

# SINGLE-SHOT SHOTGUNS

## BROWNING BT-99



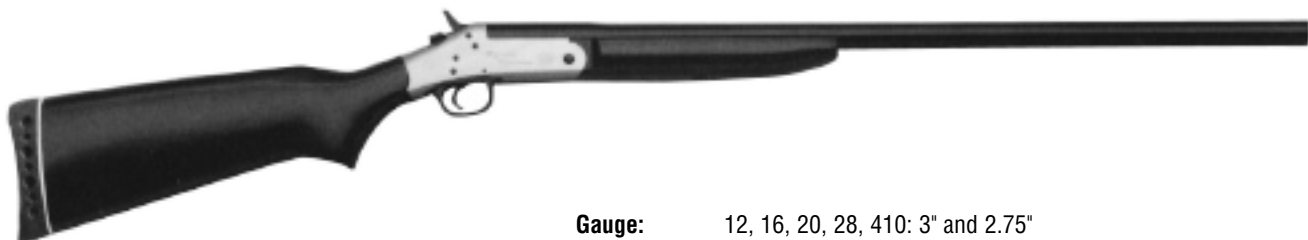
<b>Gauge:</b>	12, 2.75"
<b>Barrel:</b>	32" to 34"
<b>Weight:</b>	8.4 to 8.6 pounds
<b>Stock:</b>	Walnut with high gloss
<b>Finish:</b>	Blue or stainless steel
<b>Price:</b>	Conventional stock: \$1,240, Adjustable comb: \$1,478
<b>Misc:</b>	Features include Invector Plus choke tubes (or conventional full choke barrel ), conventional stock (with adjustable comb)

## EAA/BAIKAL IZH-18 SINGLE SHOT SHOTGUN



<b>Gauge:</b>	12, 16, 20, 410
<b>Barrel:</b>	26.5", 29.5"
<b>Stock:</b>	Walnut stained hardwood
<b>Finish:</b>	Black
<b>Price:</b>	Under \$110
<b>Misc:</b>	Hammer forger steel barrel, machined steel receiver, cross trigger block safety, decocking/cocking lever. Imported by European American Armory.

## HARRINGTON & RICHARDSON TOPPER MODEL 098



<b>Gauge:</b>	12, 16, 20, 28, 410: 3" and 2.75"
<b>Barrel:</b>	26", 28"
<b>Weight:</b>	5 to 6 pounds
<b>Stock:</b>	Black finished hardwood
<b>Finish:</b>	Blued
<b>Price:</b>	\$115 to \$135 (Deluxe)
<b>Misc:</b>	Satin nickel frame, brake open action with slide-lever release, automatic ejector. Available in Youth and Deluxe.



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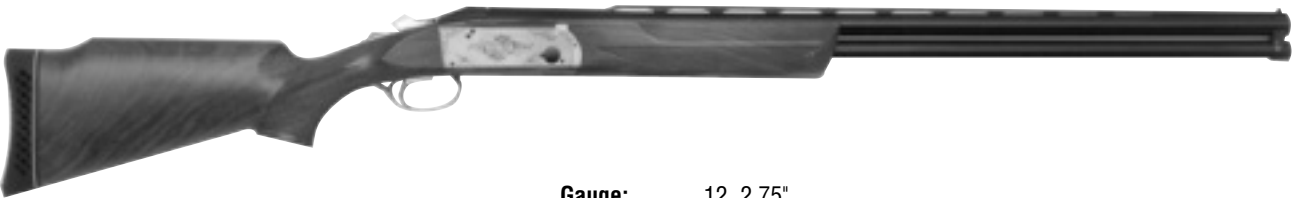
## KRIEGHOFF KS-5 SPECIAL



**Gauge:** 12, 2.75"  
**Barrel:** 32" or 34"  
**Weight:** 8.5 pounds  
**Stock:** European walnut  
**Finish:** Nicked or blue receiver, blue barrels  
**Price:** \$4,695 (KS-5 Trap: \$3,695 to \$4,120)  
**Misc:** Adjustable rib and stock. Adjustable or optional release trigger. Fitted aluminum case included. Imported from Germany by Krieghoff International, Inc.

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## KRIEGHOFF K-80 SINGLE BARREL TRAP GUN



**Gauge:** 12, 2.75"  
**Barrel:** 32" or 34" Unsingle; 34" Top Single, fixed full or choke tubes  
**Weight:** 8.75 pounds  
**Stock:** European walnut  
**Finish:** Satin nickel  
**Price:** \$7,950 (Unsingle) to \$9,975 (Top Single Combo)  
**Misc:** Selective mechanical adjustable trigger. Fixed Full or choke tubes. For removable trigger option add \$1,000.

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## NEW ENGLAND FIREARMS PARDNER SHOTGUNS



**Gauge:** 12 and 20, 410 (3"); 16, 28 (2.75")  
**Barrel:** 26", 28", 32"  
**Weight:** 5 to 6 pounds  
**Length:** 43" overall  
**Stock:** Walnut-finished hardwood  
**Finish:** Blue  
**Price:** \$106  
**Misc:** Side-lever action release. Youth model available.

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